FODESCO
EVERYTHING FOR MOULDS



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# Standardilevyt
# Standard plates
# Стандартные блок-пакеты

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## Suomeksi

Fodesco on vuonna 1986 perustettu muovi- ja metalliteollisuuden alihankkija. Valmistamme muotti- ja leikkaintyökalujen standardikomponentteja sekä asiakaskohtaisia erikoisosia. Asiakkaamme ovat työkalujen valmistajia ja ruiskupuristajia. Tuotantoyksikkömme sijaitsevat Suomessa (Kontiolahti) ja Venäjällä (Tver).

Pyrimme tuottamaan palvelukonseptillamme lisäarvoa asiakkaidemme liiketoimintaan, antamalla heille ratkaisuja kustannustehokkaampaan toimintaan. Uskomme, että kustannustehokkuus syntyy siitä, että tunnemme asiakkaidemme tarpeet ja vastaamme niihin sekä teemme tuotteiden tilaamisen helpoksi ja nopeaksi. Ydinosaamistamme ovat työkaluissa tarvittavien levyjen koneistaminen. Olemme tarkkuuskoneistuksen asiantuntija. Koneistamme päivittäin levyjä, joissa vaadittu valmistustoleranssi on ± 0,0025mm.

Yksi keskeinen osa palveluamme on WEBSHOP-tilausjärjestelmä. Tilausjärjestelmää käyttää jo tuhannet rekisteröityneet käyttäjät. Sivuston käyttö on helppoa ja nopeaa. Ostoskori on kokoajan käyttäjän näkyvillä. Ennen tilauksen lähettämistä, asiakas voi todeta, mitä tilaus tulee maksamaan lattialle toimitettuna. Haluamme olla nyt ja tulevaisuudessa asiakkaidemme arvostama partneri. Uudistumme jatkuvasti sekä teknologisesti että henkisesti olemalla avoimessa vuorovaikutuksessa asiakkaidemme kanssa.




## in English

Fodesco is a subcontractor of plastic- and metal industry established in 1986. Fodesco's production units are located in Kontiolahti (Finland) and Tver (Russia). Fodesco manufactures standard components for mould and cutting tools as well as customer-specific special parts. Our target customers are toolmakers for mould industry and appliers of injection molding.

Mission: Fodesco's service concept aims at creating added value for our customers' businesses by providing with solutions for cost-effective performance. We believe that cost-effectiveness originates from being aware of customers' needs, responding in those needs and providing fast and easy environment for ordering the needed products. Now and in future, we aim at being a partner valued and respected by our customers. Fodesco strives at constant technical and spiritual development by being in open-minded interaction with its customers.

Core competences: Fodesco is a professional of high precision manufacturing. We manufacture plates with required tolerance of ± 0,0025 mm daily. Thus, our core competence is in production of plates required in mould tools.

Webshop: An essential part of our service concept is WEBSHOP – ordering system. The system is already used by thousands of registered users. Use of the system is fast and easy as the shopping cart is visible at all times. Before submitting the order, the user can verify the price of order delivered to own floor.



## Po Ruski

Компания Fodesco основана в 1986 году.
Fodesco производит целый ряд как унифицированных, так и специальных деталей пресс-форм и штампов для производителей инструмента и переработчиков пластмасс. Fodesco является субпоставщиком для производителей литья из пластмассы, резины, цветных металлов и металлообрабатывающей промышленности. Заводы Fodesco находятся в Финляндии (Контиолахти) и в России (г. Тверь).

Нашей задачей является содействие в развитии бизнеса наших клиентов. Сотрудничая с нами, наши партнеры могут быть уверены в качестве, конкурентоспособности и высокой рентабельности конечного продукта. Мы знаем и изучаем потребности своих клиентов и можем удовлетворить их наилучшим образом, создавая условия, которые позволяют просто и легко заказывать нашу продукцию.
Мы специализируемся в прецизионной механической обработке плит и изготовлении направляющих для пресс-форм и штампов. Мы являемся специалистами в области точной механической обработки. Имеющееся оборудование в Финляндии позволяет достичь точности ±0,0025 мм., а в России ±0,01 мм.
Интернет-магазин WEBSHOP является одним из основополагающих направлений. Интернет-магазин Fodesco прост и удобен в использовании. В настоящее время у нас на сайте зарегистрированы несколько тысяч компаний. Эти пользователи имеют возможность не только делать заказы с использованием WEBSHOP, но и получать при этом скидки, быстроту обслуживания и возможность видеть стоимость деталей в реальном времени.

Мы надеемся, что являемся для Вас надежным и уважаемым партнером. Мы всегда рады не только Вашим пожеланиям, но и критике. В тесном сотрудничестве с Вами, мы постоянно совершенствуем наши процессы.



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| 5060 | 496 596 | 106 |
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# Tilaaminen / Ordering / Заказ



= *Tilauskoodi*
= *Order code*
= *Код заказа*

**E-mail:**

sales@fodesco.fi sale@fodesco.ru

**Phone:**

+358 400 303 101 (4822) 42-23-24

**Webshop:**

→ **www.fodesco.com** → **Klikkaa “Webshop”** → **Kirjaudu sisään tai rekisteröidy**
→ **Valitse tuotteet ja lisää ostoskoriin** → **Lähetä tilaus**

**Miksi kannattaa tilata Fodesco Webshopista?**

- Tilaaminen on edullista, helppoa ja nopeaa.
- Lisäksi sinulla on pääsy kaikkeen tarvitsemaasi materiaaliin, kuten 3D- ja 2D-malleihin, materiaaleihin sekä mittoihin.

**Webshop:**

→ **www.fodesco.com** → **Click “Webshop”** → **Log-in or Register**
→ **Choose products and Add to shopping cart** → **Place order**

**Why to order from Fodesco Webshop?**

- For discounts, easiness and time-saving.
- Moreover, you have 24/7 access to all product data needed i.e. 3D-models, 2D-models, materials and measures.

**Интернет-магазин:**

→ **www.fodesco.ru** → **Переход в ”Интернет-магазин”** → **Вход или Регистрация**
→ **Выберите изделия и положите их в корзину** → **Заказать**

**Зачем делать заказ через Интернет-магазин?**

- Проще, дешевле, удобнее и быстрее.
- Более того, Вы получите доступ к технической информации, такой как 3D-модели, чертежи, материалы и т.п.

**Lyhenteet / Abbreviations / Сокращения :**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ML | = | Muottilevy | ML | = | Mould plate | ML | = | Формообразующая плита |
| KL 1 | = | Kiinnityslevy | KL 1 | = | Clamping plate | KL1 | = | Крепежная плита |
| KL 2 | = | Kiinnityslevy | KL 2 | = | Clamping plate | KL 2 | = | Крепежная плита |
| KL 5 | = | Kiinnityslevy | KL 5 | = | Clamping plate | KL 5 | = | Крепежная плита |
| KL 6 | = | Kiinnityslevy | KL 6 | = | Clamping plate | KL 6 | = | Крепежная плита |
| TL | = | Tukilevy | TL | = | Support plate | TL | = | Опорная плита |
| TP | = | Tukipala | TP | = | Spacer plate | TP | = | Опорная деталь |
| UL 1 | = | Ulostyöntölevy | UL 1 | = | Ejector plate | UL 1 | = | Плита выталкиватель |
| UL 2 | = | Ulostyöntölevy | UL 2 | = | Ejector plate | UL 2 | = | Плита выталкиватель |

# Toimitus / Delivery / Доставка



Varastotuotteet toimitetaan heti tilauksen saapumisen jälkeen. Toimitusajan valmistettaville tuotteille vahvistaa joko Webshop tai myyntitiimi. Toimitukset voidaan asiakkaan toiveiden mukaan aikatauluttaa esim. siten, että kaikki tuotteet saapuvat samanaikaisesti.

Kuljetusmuoto voidaan järjestää rekkakuljetuksena, lentorahtina tai yhdistelmänä asiakkaan toivomuksen tai projektin kiireellisyyden mukaan.

Stock parts are delivered immediately after receiving an order. Delivery time for manufactured parts is confirmed by the Webshop or correspondingly by the Sales team. Deliveries can be scheduled according to customer’s wishes i.e. to have all parts arriving in one consignment.

Transportation may be arranged by road, air or the combination of these two depending on the urgency of the shipment.

Складские позиции могут быть отправленны немедленно после оплаты заказа. На позиции, отсутствующие на складе, срок изготовления/поставки уточняйте в отделе продаж. Условия и способ доставки устанавливаются по договоренности.

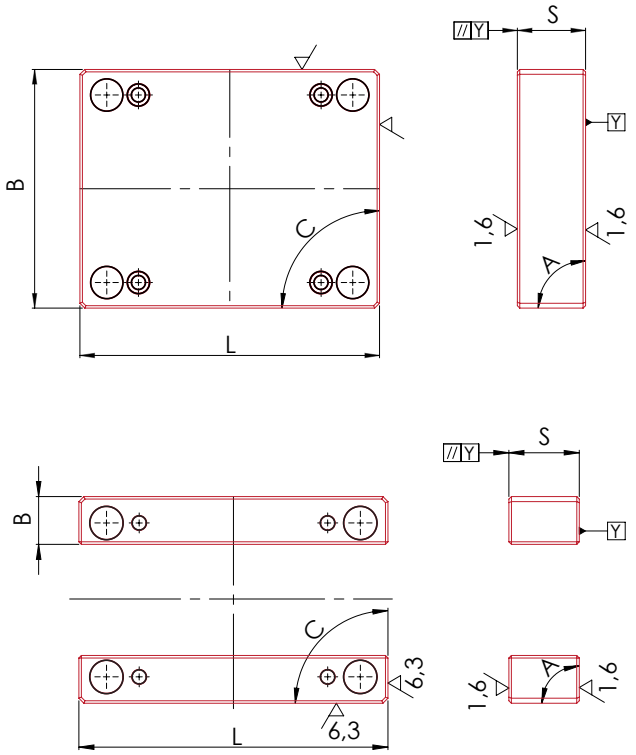
# Materiaalit / Materials / Материалы

| KOODI<br>CODE<br>КОД | KOVUUS<br>HARDNESS<br>ТВЕРДОСТЬ | LUOKITUS<br>CLASSIFICATION<br>КЛАССИФИКАЦИЯ | KÄYTTÖ<br>APPLICATIONS<br>ПРИМЕНЕНИЯ |
|---|---|---|---|
| w.1.1730<br><br>DIN<br>C 45 W 3 | 190 HB | Rakenneteräs<br><br>Structural steel<br><br>Сталь конструкционная | Karkaisemattomat levyt, joille ei ole asetettu korkeita lujuusvaatimuksia mm. kiinnityslevyt, tukilevyt, tukipalat, jne.<br><br>Unhardened plates without high strenght requirements, e.g. clamping plates, support plates, spacer plates, etc.<br><br>Плиты без высоких требований по твердости, такие как плиты крепления, стойки и т.п. |
| w.1.2083<br><br>DIN<br>X 42 Cr 13 | 225 HB | Karkaistava ruostumaton teräs<br><br>Hardening stainless steel<br><br>Нержавеющая закаленная сталь | Ruostumattomat karkaistut levyt, joille on asetettu korkeita lujuus- ja syöpymisenestovaatimuksia, mm. muottien insertit, teknisesti vaativat muottilevyt, jne.<br><br>Stainless hardened plates, which meet the high requirements for strenght and corrosion resistance, incl. mould inserts, technically demanding moulding plates, etc.<br><br>Закаленные плиты из нержавеющей стали, которые требуют высокой прочности, твердости, коррозионной стойкости, такие как, вставки обоймы и т.п. |
| w.1.2085<br><br>DIN<br>X33 CrS 16 | 290-330 HB | Nuorrutettu ruostumaton teräs<br><br>Pre-toughened stainless steel<br><br>Термоулучшенная нержавеющая сталь | Karkaisemattomat levyt, joille on asetettu korkeita lujuus- ja syöpymisenesto vaatimuksia mm. muottirungot, teknisesti vaativat muottilevyt, jne. Käyttövalmis.<br><br>Unhardened plates, which meet the high requirements for strenght and corrosion resistance, e.g. moulding frames, technically demanding moulding plates, etc. Ready-to-use.<br><br>Плиты из термоулучшенной нержавеющей стали, которые требуют высокой прочности и коррозионной стойкости, такие как обоймы, формообразующие |
| w.1.2311<br><br>DIN<br>40 CrMnMo 7 | 290-330 HB | Nuorrutusteräs<br><br>Pre-toughened steel<br><br>Термоулучшенная сталь | Karkaisemattomat levyt, joille on asetettu korkeita lujuus- vaatimuksia mm. muotti rungot, insertit, teknisesti vaativat muottilevyt jne. Käyttö toimitustilassa.<br><br>Unhardened plates, which meet the high requirements for strenght, e.g. moulding frames, inserts, technically demanding moulding plates, etc. Ready-to-use.<br><br>Плиты из термоулучшенной стали, которые требуют высокой прочности, такие как обоймы, формообразующие детали и т.п. |
| w.1.2312<br><br>DIN<br>40 CrMnMoS 86 | 290-330 HB | Nuorrutusteräs<br><br>Pre-toughned steel<br><br>Термоулучшенная сталь | Karkaisemattomat levyt, joille on asetettu korkeita lujuusvaatimuksia mm. muotti rungot, tukilevyt, kiinnityslevyt jne. Käytetään toimitustilassa.<br><br>Unhardened plates, which meet the high requirements for strenght, e.g. moulding frames, support plates, clamping plates etc. Ready-to-use.<br><br>Плиты из термоулучшенной стали, которые требуют высокой прочности, такие как обоймы, формообразующие детали и т.п. |
| w.1.2343<br><br>DIN<br>X 38 CrMoV 51 | 235 HB | Kuumatyöteräs<br><br>Hot work steel, alloyed<br><br>Сталь для горячего деформирования с ЭШП | Karkaistavat levyt, joille on asetettu korkeita lujuusvaatimuksia, mm. insertit ja muottirungot painevalu- ja ruiskupuristusmuotteihin.<br><br>Hardened plates, which meet the high requirements for strenght, e.g. inserts and moulding frames, for die casting and injection mould.<br><br>Термообработанные плиты, обладающие высокой прочностью, такие как вставки, обоймы для пресс-форм и штампов. |
| 1.7035<br><br>40X | 210 HB | Hehkutettu teräs<br><br>Annealed steel<br><br>Оттоженная | Kovaksi hehkutettu teräs. Se on vahva ja vakaa lämpökäsittelyn ja koneistuksen aikana. Kovuus lämpökäsittelyn jälkeen 44-48 HRC. Hyvä kiillottuvuus.<br><br>The hardness annealed steel. It's strong and stable during heat treatment and machining. The hardness after heat treatment is 44-48 HRC. It's also very good polished.<br><br>Сталь конструкционная легированная. Для плит блока п/ф. После термообработки твердость до 48 HRC. Хорошая обрабатываемость резанием, полируемость. |
| STAVAX.ESR<br><br>DIN<br>C 0,38<br>Si 0,9<br>Mn 0,5<br>Cr 13,6<br>V 0,3 | 190 HB | Ruostumaton teräs<br><br>Stainless steel<br><br>Сталь нержавеющая | Korkealaatuinen korroosionkestävä teräs, jossa yhdistyvät kiillotettavuus, kulumiskestävyys, työstettävyys ja mitan. pitävyys karkaisussa. Soveltuu kaikentyyppisiin muottityökaluihin, kuitenkin parhaiten kohteisiin, joissa edellytetään korroosionkestävyyttä, kulumiskestävyyttä ja hyvää pinnanlaatua.<br><br>Uddeholm Stavax ESR is a premium stainless mould steel for small and medium inserts and cores. Uddeholm Stavax ESR combines corrosion and wear with excellent polishability, good machinability and stability in hardening.<br><br>Uddeholm Stavax ESR -высококачественная нержавеющая сталь для маленьких и небольших вставок и знаков. Uddeholm Stavax ESR совмещает в себе коррозионностойкость и износостойкость с отличной полируемостью, хорошая обрабатываемость резанием и стабильность в термообработке. |

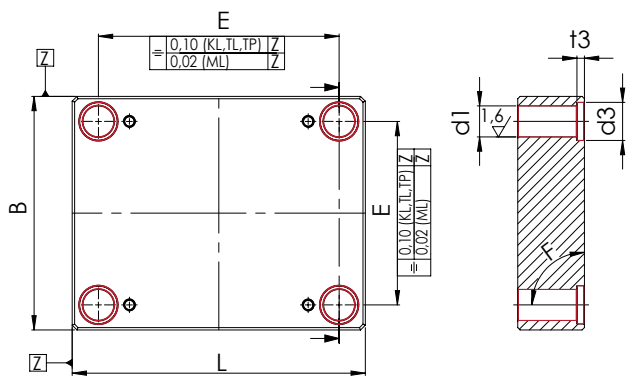
# Materiaalit / Materials / Материалы

| KOODI<br>CODE<br>КОД | KOVUUS<br>HARDNESS<br>ТВЕРДОСТЬ | LUOKITUS<br>CLASSIFICATION<br>КЛАССИФИКАЦИЯ | KÄYTTÖ<br>APPLICATIONS<br>ПРИМЕНЕНИЯ |
|---|---|---|---|
| NIMAX<br><br>DIN<br>C 0,1<br>Si 0,9<br>Mn 2,5<br>Cr 3,0<br>Mo 0,3<br>Ni 1,0 | 380 HB | Muovimuottiteräs<br><br>Plastic mould steel<br><br>Для обработки пластика | Niukkahiilinen muovimuottiteräs, jolla on erinomainen työstettävyys ja kiillottuvuus. Suuri kovuus ja hyvä sitkeys ehkäisevät painumien syntymistä. Soveltuu monentyyppisiin käyttökohteisiin työkalujen runkomateriaaliksi ja koneenrakennuskomponentteihin.<br><br>Low carbon plastic mould steel. The excellent machinability and easy weldability. The high hardness in combination with a high toughness results. Suitable for many different types of applications within the plastic segment and the building of the machine to the components.<br><br>Инструментальная низкоуглеродистая сталь для литья пластмасс. Характеризуется превосходной обрабатываемостью резанием, хорошей свариимостью и полируемостью. Высокая ударная вязкость. Примерный аналог сталь 40Х2Г2НМ |
| Impax Supreme<br><br>DIN<br>C 0,37<br>Si 0,30<br>Mn 1,40<br>Cr 2,00<br>Ni 1,00<br>Mo 0,20<br>S <0,01 | 310 HB | Nuorrutettu teräs<br><br>Prehardened mould steel<br><br>Термоулучшенная | Korkealaatuinen nuorrutettu kromi/nikkeli/molybdeeni -seosteinen teräs, jossa alhainen rikkipitoisuus ja tasainen mikrorakenne. Hyvä kiillotettavuus, foto syövytettävyys, tasainen kovuus, hyvä työstettävyys. Soveltuu mm. kestomuovien ruiskuvalu- ja puhallusmuotteihin, pursotussuulakkeisiin, muovaustyökaluihin ja rakenneosiin.<br><br>Premium prehardened mould steel with very good polishing and texturing properties. Its available in a very wide dimensional range, where even the largest dimensions show a very uniform hardness profile all through the cross section. Suitable for general constructional parts, like machine components requiring improved fatigue strength and reliabilit, moulds for plastic ingection moulding and moulds for blow moulding.<br><br>Высококачественная инструментальная сталь для литья пластмасс с хорошей полируемостью. Низкое содержание серы обеспечивает стали хорошую обрабатываемость. Применяется для производства деталей п/ф под давлением и выдувного литья. |
| Orvar Supreme<br><br>DIN<br>C 0,39<br>Si 1,0<br>Mn 0,4<br>Cr 5,2<br>Mo 1,4<br>V 0,9 | 180 HB | Seosteräs<br><br>Alloyed Steel<br><br>Для горячего деформирования | Kromi/molybdeeni/vanadiini -seostoinen teräs, jossa erinomainen läpikarkenevuus, hyvä lämpökuormituksen ja termisen väsymisen kestävyys. Sitkeys kaikissa suunnissa erinomainen ja suuri lujuus korkeissa lämpötiloissa. Hyvä työstettävyys ja kiillotettavuus. Soveltuu työkaluihin, joihin kohdistuu suurta mekaanista ja termistä väsymiskuormitusta, esim. painevalumuotit, taonta- ja pursotustyökalut.<br><br>Chromiummolybdenum-vanadium-alloyed steel which is characterized by high level of resistance to thermal shock and thermal fatigue, good high-temperature strength, excellent toughness and ductility in all directions, good machinability and polishability, excellent through-hardening properties and good dimensional stability during hardening. Suitable for tooling subjected to high mechanical and thermal fatigue stresses, e.g. die casting dies, forging tools and extrusion tooling.<br><br>Горячештамповая инструментальная сталь, легированная хромом, молибденом и ванадием. Выдающимися свойствами стали являются высокая теплостойкость, вязкость, теплопроводность, стойкость к горячему растрескиванию. Инструменты для литья под давлением и экструзии легких металлов. Кузнечные формы и ковочные штампы. Российский аналог - сталь 4Х5МФС-Ш |
| RAMAX HH<br><br>DIN<br>C 0,12<br>Si 0,2<br>Mn 1,3<br>Cr 13,4<br>Mo 0,5<br>Ni 1,6<br>V 0,2<br>S 0,1<br>+N | 340 HB | Ruostumaton teräs<br><br>Stainless steel<br><br>Нержавеющая сталь | Ruostumaton muottirunkoteräs, jolla on erinomainen lastuttavuus, hyvä korroosion kestävyys, hyvä karkenevuus, tasainen kovuus kaikissa mitoissa ja hyvä kestävyys painumia vastaan. Soveltuu muovimuottien kiinnitys- ja runkolevyihin, muovinpursotussuulakkeisiin, rakenneosiin sekä muovi- ja kumimuotteihin silloin, kun kiillotettavuus ominaisuudet eivät ole ensisijaisia.<br><br>Chromium alloyed stainless holder steel. Characterized by good corrosion resistance, uniform hardness even in large dimensions, good indentation resistance, good machinability, less indentations and less wear. Suitable olders/bolsters for plastic moulds, plastic and rubber moulds with low require ments on polishability, dies for plastic extrusion and constructional parts.<br><br>Легированная хромом инструментальная сталь для обойм пресс-формы. Идеально сочетаются коррозионная стойкость и экономичность в обработке резанием. |
| RAMAX LH<br><br>DIN<br>C 0,12<br>Mn 1,45<br>Cr 14,0<br>Mo 0,20<br>Ni 0,36<br>V 0,10<br>S 0,13<br>+N | 290 HB | Ruostumaton teräs<br><br>Stainless steel<br><br>Нержавеющая сталь | Kromiseosteinen ruostumaton muottirunkoteräs, joka toimitetaan nuorrutettuna. Erinomaisten lastuttavuusominaisuuksiensa ansiosta se soveltuu hyvin muottirunkomateriaaliksi. Teräksen hyvästä korroosionkestävyydestä on etua kosteissa tuotanto- ja varasto-olosuhteissa.<br><br>New chromium alloyed stainless holder steel. Characterized by outstanding machinability, good corrosion resistance, good hardenability, uniform hardness in all dimensions and good indentation resistance. Will have good resistance to rusting caused by humid working and storage conditions and when moulding corrosive plastics under normal production condition.<br><br>Легированная хромом инструментальная сталь для обойм пресс-формы. Идеально сочетаются коррозионная стойкость и экономичность в обработке резанием. |

# K-Toleranssit / K-Tolerances / Допуски

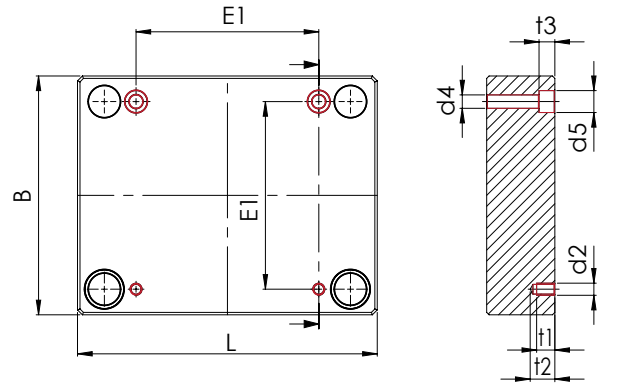



| B / L | | | B / L | |
|---|---|---|---|---|
| B / L | | | ML | KL,TL,TP,UL |
| 20 | > | 246 | ± 0,05 | ± 0,2 |
| 296 | > | 346 | | |
| 396 | > | 496 | ± 0,1 | |
| 546 | > | 996 | ± 0,3 | ± 0,5 |
| | | | **S** | |
| B / L | | | 1730, 2311, 2312, 2085 | 2083, 2343, Stavax |
| 20 | > | 246 | + 0,20 / + 0,30 | + 0,40 / + 0,50 |
| 296 | > | 346 | | + 0,50 / + 0,60 |
| 396 | > | 496 | | |
| 546 | > | 996 | + 0,30 / + 0,40 | + 0,60 / + 0,70 |
| // | | Y | A / C | A / C |
| ML,KL,TL,UL | | | ML | KL,TL,TP,UL |
| 0,008 / 100 | | | 0,01 / 100 | 0,04 / 100 |
| TP > S= +0,02 | | | | |




| B / L | | | E | d3 | t3 |
|---|---|---|---|---|---|
| 96 | > | 156 | ± 0,01 | + 0,5 | + 0,2 |
| 156 | > | 296 | | | |
| 296 | > | 496 | | | |
| 496 | > | 696 | ± 0,015 | | |
| 696 | > | 996 | | | |

| d1 | | |
|---|---|---|
| Ø | ML,KL,TL,TP | F |
| 14 | H7 | 0,01 / 100 |
| 20 | H7 | |
| 26 | + 0,01 / + 0,03 | |
| 30 | + 0,01 / + 0,03 | |
| 42 | + 0,01 / + 0,03 | |
| 54 | + 0,01 / + 0,03 | |




| d2 / d4 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| d2 | M5 | M6 | M8 | M10 | M12 | M16 | M20 | M24 |
| t1 | 10 | 10 | 14 | 15 | 18 | 27 | 32 | 38 |
| t2 | 14 | 15 | 20 | 20 | 24 | 35 | 43 | 52 |
| t3 | ± 0,2 | | | ± 0,3 | | ± 0,4 | | |
| d4 | + 0,3 | | | + 0,5 | | + 0,5 | | |
| d5 | ± 0,2 | | | ± 0,2 | | ± 0,2 | | |
| E1 | ± 0,2 | | | | | | | |



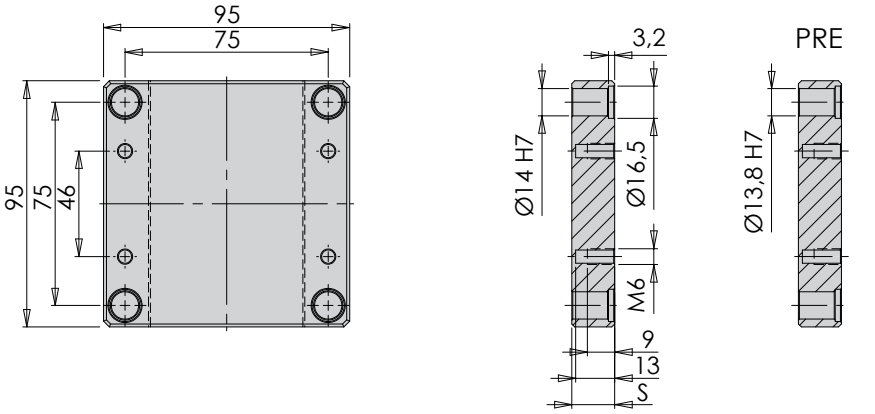
# Standardilevyt
# Standard plates
# Стандартные блок-пакеты

K

# 95 x 95

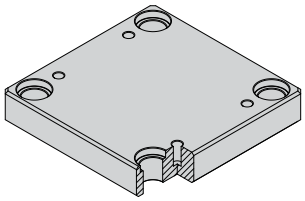
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

● = *Standardivalikoima*
● = *Standard assortment*
● = *Стандартные диапазон*



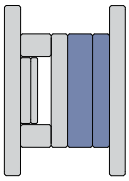

## ML

1010-S-ML.Mat



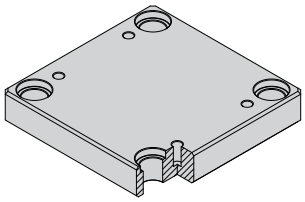
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 2085 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 2311 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 2312 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



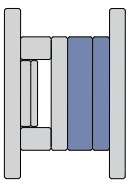
## ML - PRE

1010-S-ML.Mat.PRE



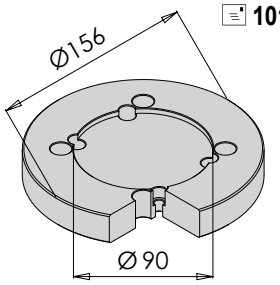
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 2311 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 2312 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 2083 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 2343 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| STAVAX | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

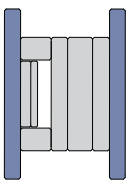


## KL 1

1010-S-KL1.Mat

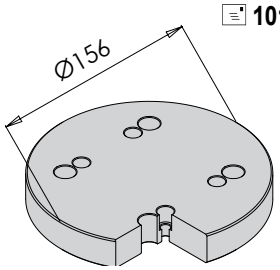



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | | | | | | | | | | | | | |
| 2085 | | | | | ● | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

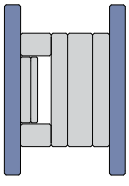


## KL 5

1010-S-KL5.Mat

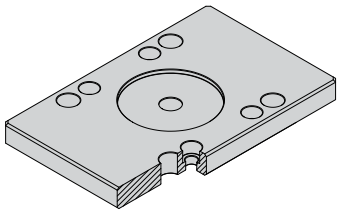



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | | | | | | | | | | | | | |
| 2085 | | | | | ● | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
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| STAVAX | | | | | | | | | | | | | | | | | | |

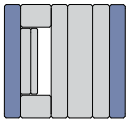


## KL 2

1010-S-KL2.Mat

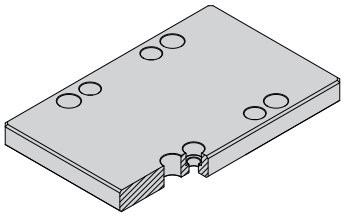


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

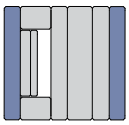


## KL 6

1010-S-KL6.Mat

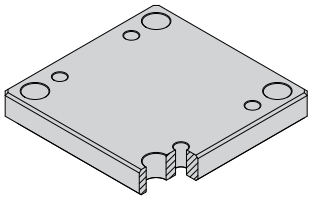


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

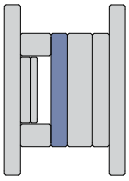


## TL

1010-S-TL.Mat

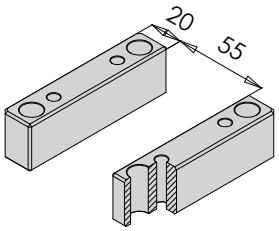


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 2085 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

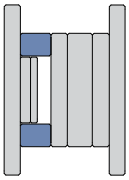


## TP

1010-S-TP.Mat

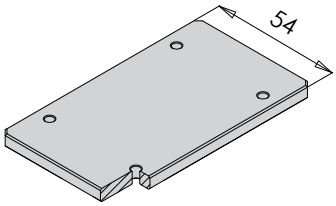



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | ● | ● | | | | | | | | | | |
| 2085 | | | | | ● | ● | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

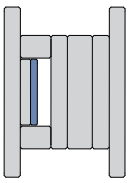


## UL1

1010-S-UL1.Mat

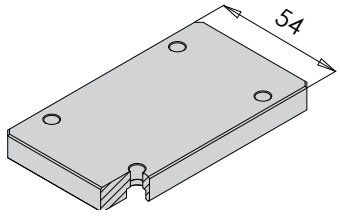



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | ● | | | | | | | | | | | | | | | | | |
| 2085 | ● | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

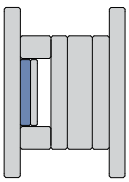


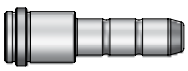
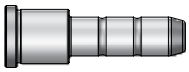
## UL2

1010-S-UL2.Mat

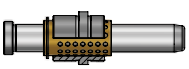


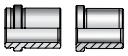
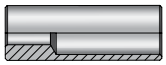

| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | ● | | | | | | | | | | | | | | | | |
| 2085 | | ● | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
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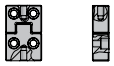


Z1010 - p.128

Z1020 - p.130

Z1030 - p.132

Z1040 - p.132

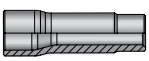
Z1080 - p.133

Z1100 - p.134

Z1210 - p.135

Z1250 - p.136

Z1410 - p.137

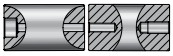
Z1610 - p.138

Z1810 - p.139

Z2010 - p.140

Z2210/11 - p.141

Z2240 - p.142

Z2251 - p.143

Z2320 - p.144

Z2610 - p.145

Z2820 - p.146

Z3010 - p.148

Z3030 - p.148

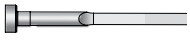
Z3040 - p.149

Z3050 - p.151

Z3060 - p.152

Z3070 - p.153

Z3080 - p.155

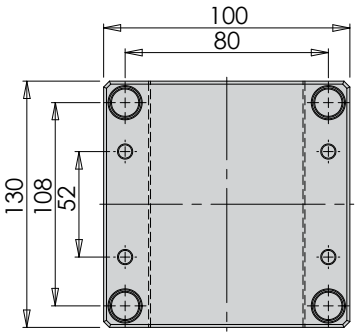
Z3090 - p.156

Z3100 - p.157

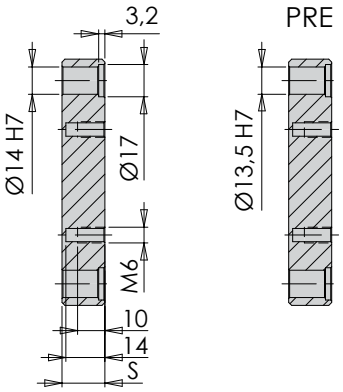
Z4057 - p.160


# 100 x 130

*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

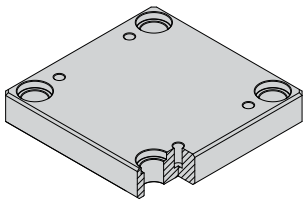
- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



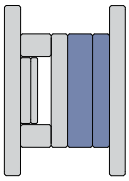

## ML

1013-S-ML.Mat



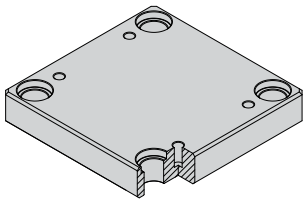
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 2085 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 2311 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 2312 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



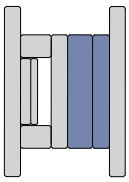
## ML - PRE

1013-S-ML.Mat.PRE



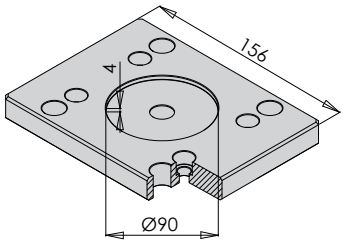
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 2311 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 2312 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 2083 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 2343 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| STAVAX | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

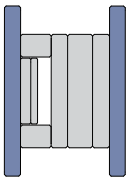


## KL 1

1013-S-KL1.Mat

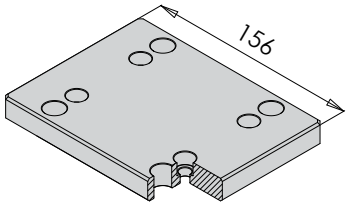



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | | | | | | | | | | | | | |
| 2085 | | | | | ● | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

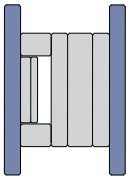


## KL 5

1013-S-KL5.Mat

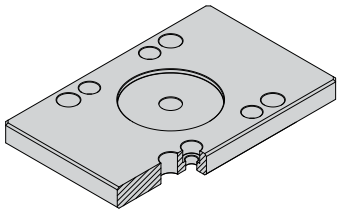



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | | | | | | | | | | | | | |
| 2085 | | | | | ● | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

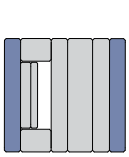


## KL 2

1013-S-KL2.Mat

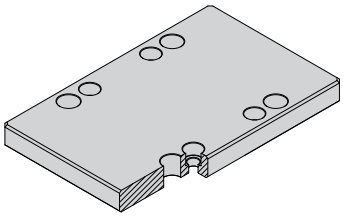


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

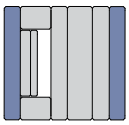


## KL 6

1013-S-KL6.Mat

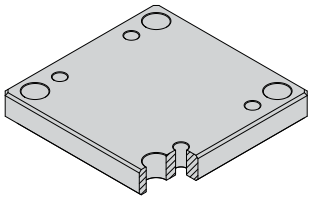


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
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| STAVAX | | | | | | | | | | | | | | | | | | |

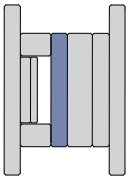


## TL

1013-S-TL.Mat

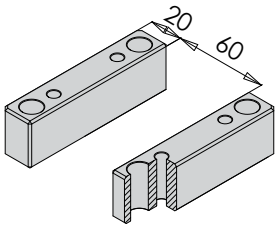


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 2085 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

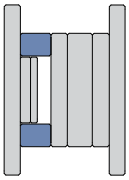


## TP

1013-S-TP.Mat

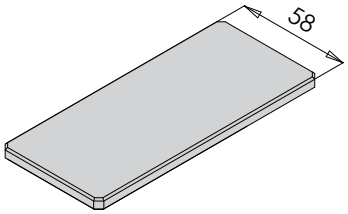



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | | | | | | | | | | |
| 2085 | | | | | | ● | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
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| STAVAX | | | | | | | | | | | | | | | | | | |

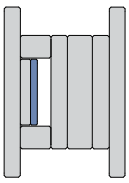


## UL1

1013-S-UL1.Mat

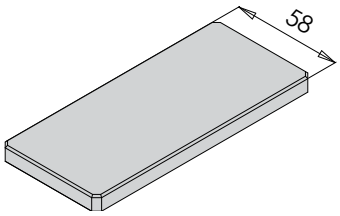



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | ● | | | | | | | | | | | | | | | | | |
| 2085 | ● | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
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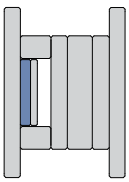


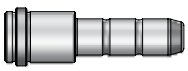
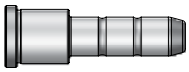
## UL2

1013-S-UL2.Mat

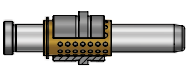


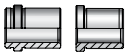
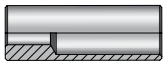

| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | ● | | | | | | | | | | | | | | | | |
| 2085 | | ● | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

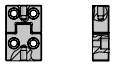


Z1010 - p.128

Z1020 - p.130

Z1030 - p.132

Z1040 - p.132

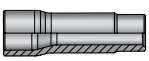
Z1080 - p.133

Z1100 - p.134

Z1210 - p.135

Z1250 - p.136

Z1410 - p.137

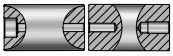
Z1610 - p.138

Z1810 - p.139

Z2010 - p.140

Z2210/11 - p.141

Z2240 - p.142

Z2251 - p.143

Z2320 - p.144

Z2610 - p.145

Z2820 - p.146

Z3010 - p.148

Z3030 - p.148

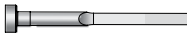
Z3040 - p.149

Z3050 - p.151

Z3060 - p.152

Z3070 - p.153

Z3080 - p.155

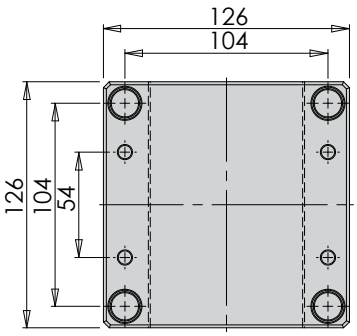
Z3090 - p.156

Z3100 - p.157

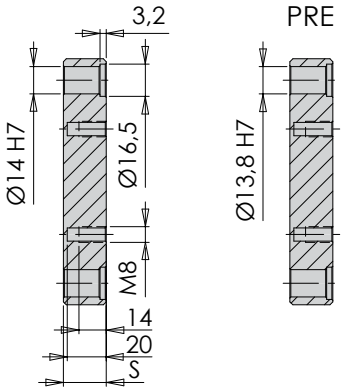
Z4057 - p.160


# 126 x 126

*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

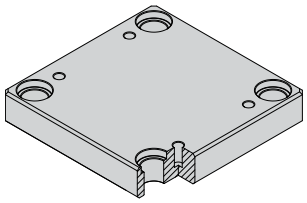
● = *Standardivalikoima*
● = *Standard assortment*
● = *Стандартные диапазон*



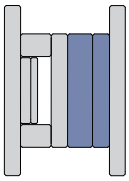

## ML

1313-S-ML.Mat



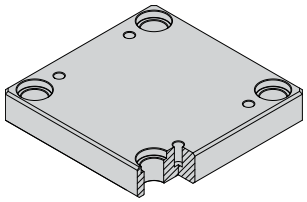
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 2085 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 2311 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 2312 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



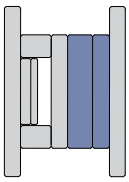
## ML - PRE

1313-S-ML.Mat.PRE



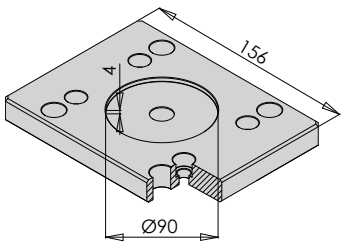
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 2311 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 2312 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 2083 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 2343 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| STAVAX | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

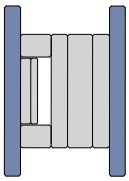


## KL 1

1313-S-KL1.Mat

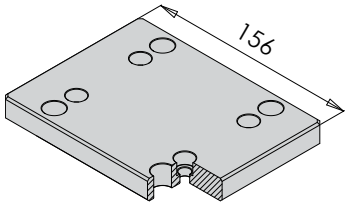



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | ● | | | | | | | | | | | | | |
| 2085 | | | | ● | ● | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

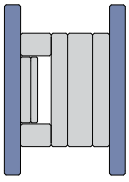


## KL 5

1313-S-KL5.Mat

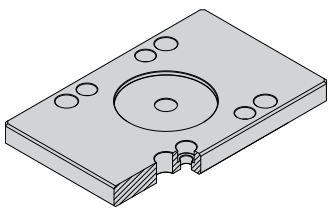



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | ● | | | | | | | | | | | | | |
| 2085 | | | | ● | ● | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

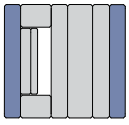


## KL 2

1313-S-KL2.Mat

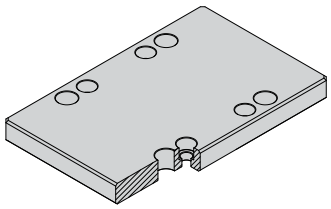


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

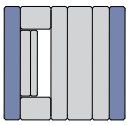


## KL 6

1313-S-KL6.Mat

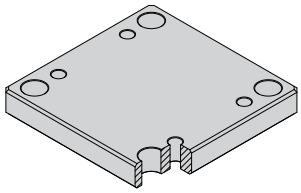


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

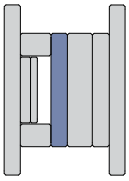


## TL

1313-S-TL.Mat

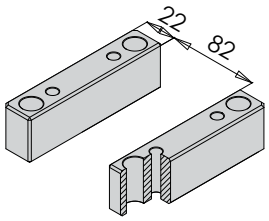


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 2085 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

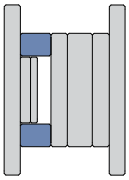


## TP

1313-S-TP.Mat

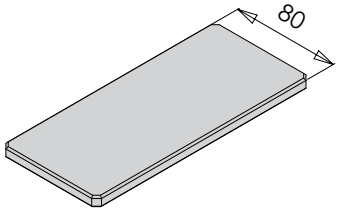



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | ● | ● | | | | | | | | |
| 2085 | | | | | | | ● | ● | ● | ● | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

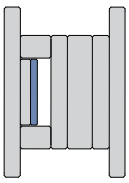


## UL1

1313-S-UL1.Mat

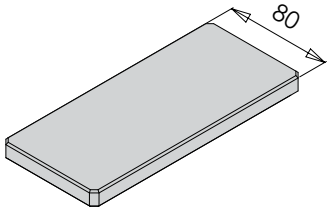



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | ● | | | | | | | | | | | | | | | | |
| 2085 | | ● | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

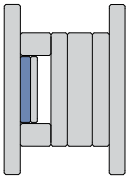


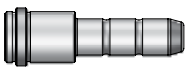
## UL2

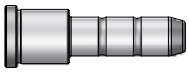
1313-S-UL2.Mat




| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | ● | | | | | | | | | | | | | | | |
| 2085 | | | ● | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

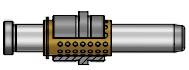


Z1010 - p.128


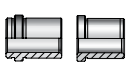
Z1020 - p.130


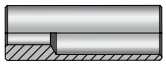
Z1030 - p.132


Z1040 - p.132

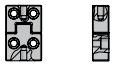

Z1080 - p.133


Z1100 - p.134


Z1210 - p.135


Z1250 - p.136


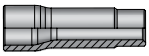
Z1410 - p.137

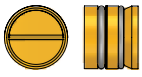

Z1610 - p.138


Z1810 - p.139

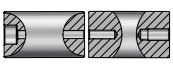

Z2010 - p.140


Z2210/11 - p.141


Z2240 - p.142


Z2251 - p.143


Z2320 - p.144


Z2610 - p.145


Z2820 - p.146


Z3010 - p.148


Z3030 - p.148


Z3040 - p.149


Z3050 - p.151


Z3060 - p.152


Z3070 - p.153


Z3080 - p.155


Z3090 - p.156

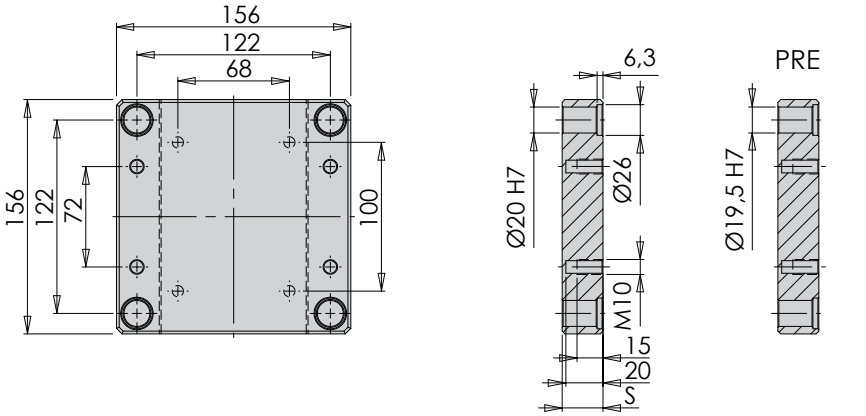

Z3100 - p.157


Z4057 - p.160


# 156 x 156

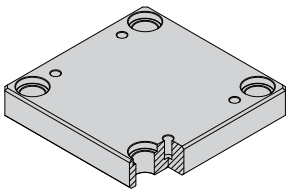
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

● = *Standardivalikoima*
● = *Standard assortment*
● = *Стандартные диапазон*



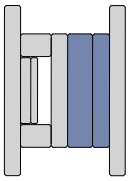

## ML

1616-S-ML.Mat



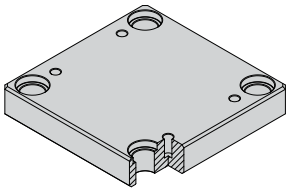
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2085 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2311 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2312 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



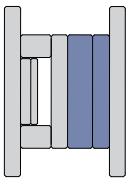
## ML - PRE

1616-S-ML.Mat.PRE



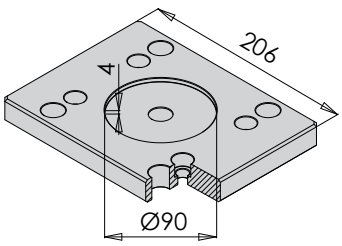
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2311 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2312 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2083 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

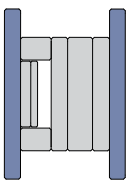


## KL 1

1616-S-KL1.Mat

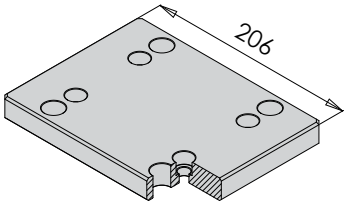



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | | | | | | | | | | | | |
| 2085 | | | | | ● | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

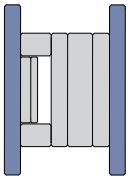


## KL 5

1616-S-KL5.Mat

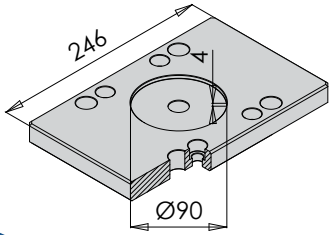



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | | | | | | | | | | | | |
| 2085 | | | | | ● | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

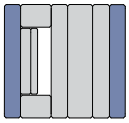


## KL 2

1616-S-KL2.Mat

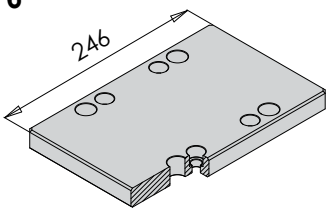



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | | | | | | | | | | | | |
| 2085 | | | | | ● | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

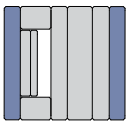


## KL 6

1616-S-KL6.Mat

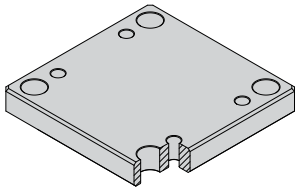



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | | | | | | | | | | | | |
| 2085 | | | | | ● | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

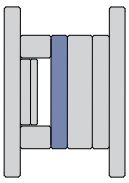


## TL

1616-S-TL.Mat

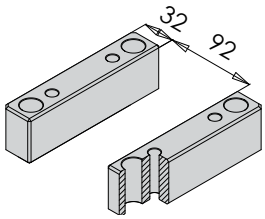


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2085 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

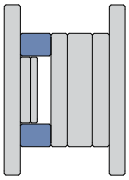


## TP

1616-S-TP.Mat

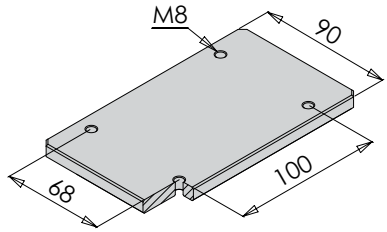



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | ● | ● | | ● | | | | | | | |
| 2085 | | | | | | | | ● | ● | | ● | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
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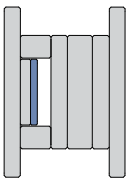


## UL1

1616-S-UL1.Mat

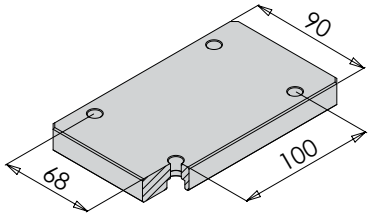



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | ● | | | | | | | | | | | | | | | | |
| 2085 | | ● | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
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| STAVAX | | | | | | | | | | | | | | | | | | |

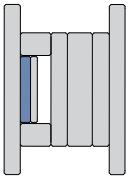


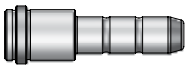
## UL2

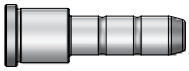
1616-S-UL2.Mat

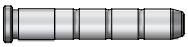



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | | | | | | | | | | | | | | |
| 2085 | | | | ● | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

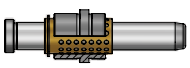


Z1010 - p.128


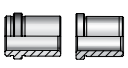
Z1020 - p.130


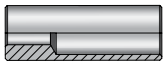
Z1030 - p.132


Z1040 - p.132

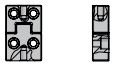

Z1080 - p.133


Z1100 - p.134


Z1210 - p.135


Z1250 - p.136


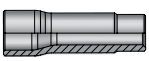
Z1410 - p.137

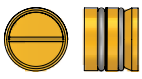

Z1610 - p.138


Z1810 - p.139

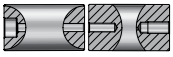

Z2010 - p.140


Z2210/11 - p.141


Z2240 - p.142


Z2251 - p.143


Z2320 - p.144


Z2610 - p.145


Z2820 - p.146


Z3010 - p.148


Z3030 - p.148

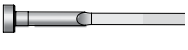

Z3040 - p.149


Z3050 - p.151


Z3060 - p.152


Z3070 - p.153


Z3080 - p.155


Z3090 - p.156


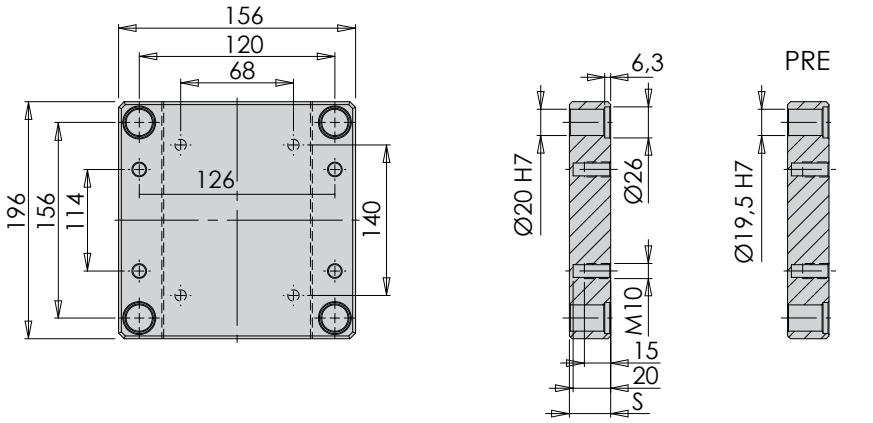
Z3100 - p.157


Z4057 - p.160


# 156 x 196

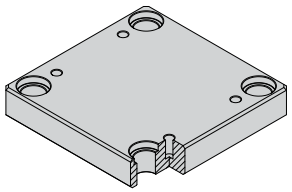
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



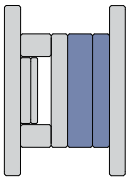

## ML

1620-S-ML.Mat



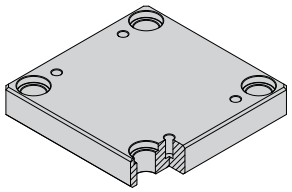
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2085 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2311 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2312 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



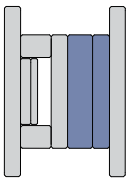
## ML - PRE

1620-S-ML.Mat.PRE



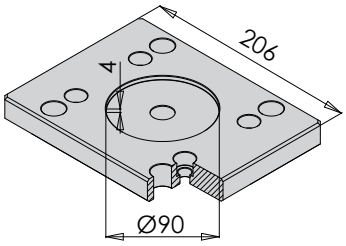
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2311 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2312 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2083 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

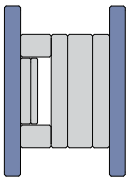


## KL 1

1620-S-KL1.Mat

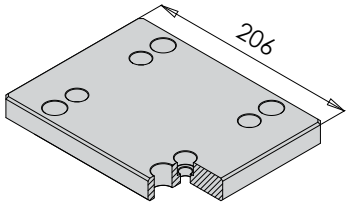



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | | | | | | | | | | | | |
| 2085 | | | | | ● | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

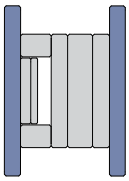


## KL 5

1620-S-KL5.Mat

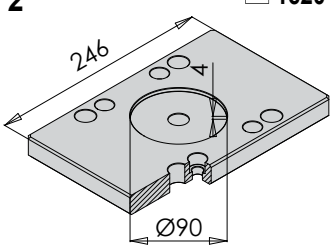



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | | | | | | | | | | | | |
| 2085 | | | | | ● | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

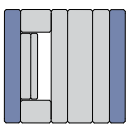


## KL 2

1620-S-KL2.Mat

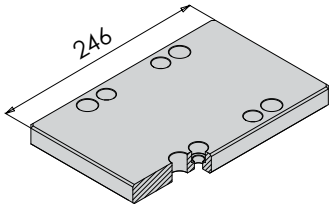



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | | | | | | | | | | | | |
| 2085 | | | | | ● | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

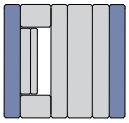


## KL 6

1620-S-KL6.Mat

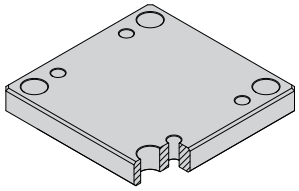



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | | | | | | | | | | | | |
| 2085 | | | | | ● | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

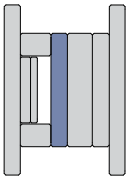


## TL

1620-S-TL.Mat

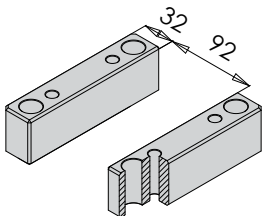


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2085 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

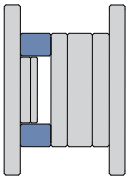


## TP

1620-S-TP.Mat

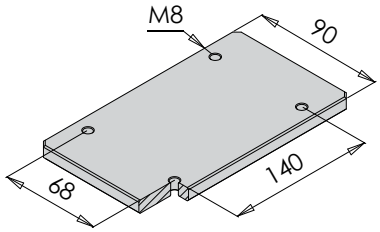



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | ● | ● | | ● | | | | | | | |
| 2085 | | | | | | | | ● | ● | | ● | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

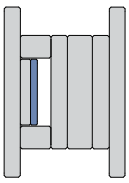


## UL1

1620-S-UL1.Mat

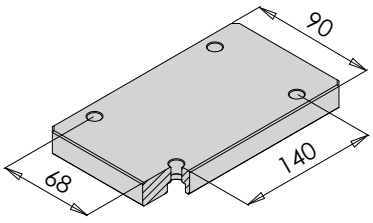



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | ● | | | | | | | | | | | | | | | | |
| 2085 | | ● | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

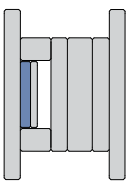


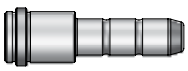
## UL2

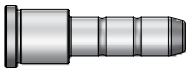
1620-S-UL2.Mat




| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | | | | | | | | | | | | | | |
| 2085 | | | | ● | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

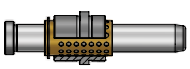


Z1010 - p.128


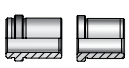
Z1020 - p.130


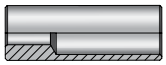
Z1030 - p.132


Z1040 - p.132

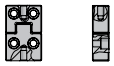

Z1080 - p.133


Z1100 - p.134


Z1210 - p.135


Z1250 - p.136


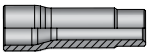
Z1410 - p.137

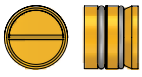

Z1610 - p.138


Z1810 - p.139

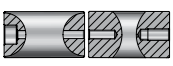

Z2010 - p.140


Z2210/11 - p.141


Z2240 - p.142


Z2251 - p.143


Z2320 - p.144


Z2610 - p.145


Z2820 - p.146


Z3010 - p.148


Z3030 - p.148

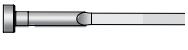

Z3040 - p.149


Z3050 - p.151


Z3060 - p.152


Z3070 - p.153


Z3080 - p.155


Z3090 - p.156


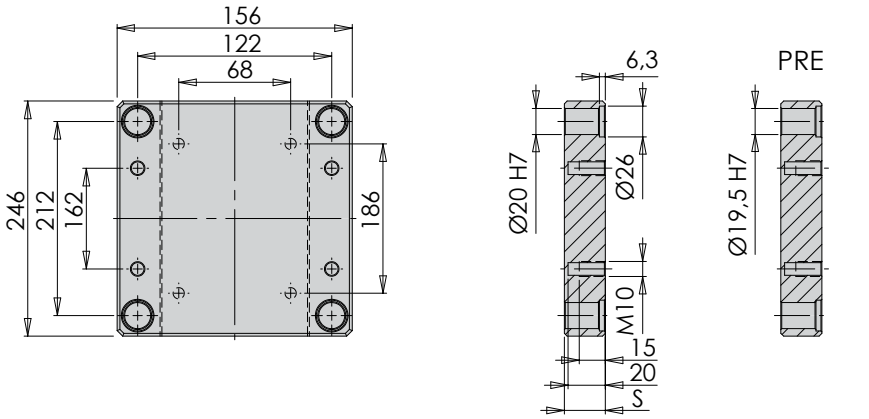
Z3100 - p.157


Z4057 - p.160


# 156 x 246

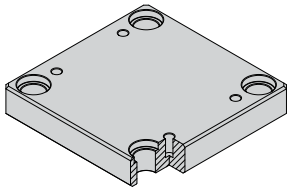
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

● = *Standardivalikoima*
● = *Standard assortment*
● = *Стандартные диапазон*



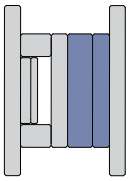

## ML

1625-S-ML.Mat



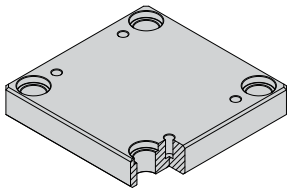
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2085 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2311 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2312 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



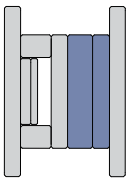
## ML - PRE

1625-S-ML.Mat.PRE



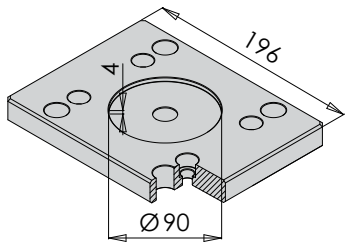
| Mat \ S \ S06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | |
| 2085 | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2311 | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2312 | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2083 | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

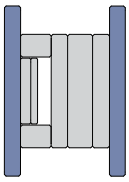


## KL 1

1625-S-KL1.Mat

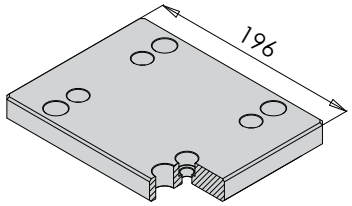



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | | | | | | | | | | | | |
| 2085 | | | | | ● | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

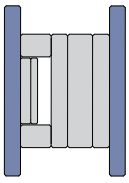


## KL 5

1625-S-KL5.Mat

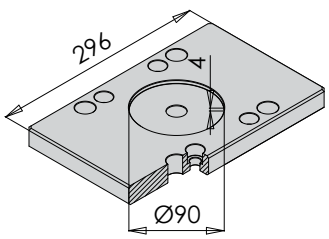



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | | | | | | | | | | | | |
| 2085 | | | | | ● | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

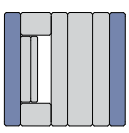


## KL 2

1625-S-KL2.Mat

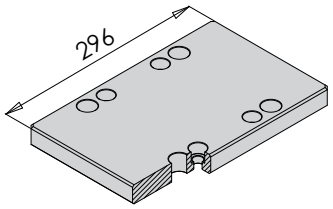



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | | | | | | | | | | | | |
| 2085 | | | | | ● | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

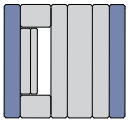


## KL 6

1625-S-KL6.Mat

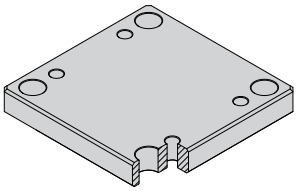



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | | | | | | | | | | | | |
| 2085 | | | | | ● | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

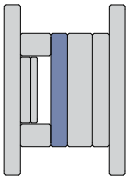


## TL

1625-S-TL.Mat

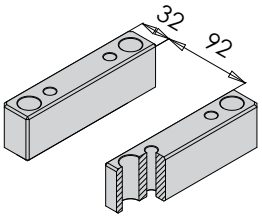


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2085 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

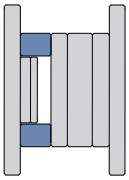


## TP

1625-S-TP.Mat

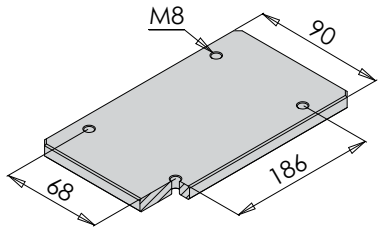



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | ● | ● | | ● | | | | | | | |
| 2085 | | | | | | | | ● | ● | | ● | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

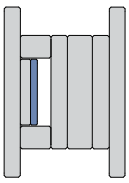


## UL1

1625-S-UL1.Mat

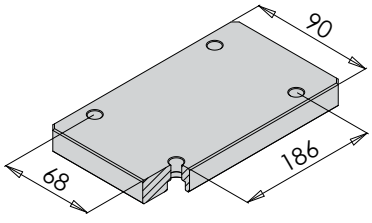



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | ● | | | | | | | | | | | | | | | | |
| 2085 | | ● | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

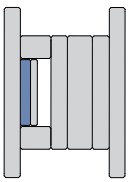


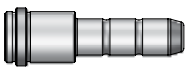
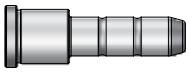
## UL2

1625-S-UL2.Mat

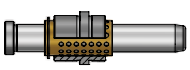


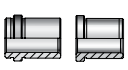
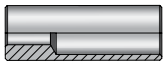

| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | | | | | | | | | | | | | | |
| 2085 | | | | ● | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

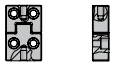


Z1010 - p.128

Z1020 - p.130

Z1030 - p.132

Z1040 - p.132

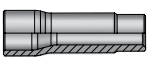
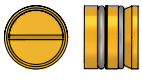
Z1080 - p.133

Z1100 - p.134

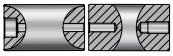
Z1210 - p.135

Z1250 - p.136

Z1410 - p.137

Z1610 - p.138

Z1810 - p.139

Z2010 - p.140

Z2210/11 - p.141

Z2240 - p.142

Z2251 - p.143

Z2320 - p.144

Z2610 - p.145

Z2820 - p.146

Z3010 - p.148

Z3030 - p.148

Z3040 - p.149

Z3050 - p.151

Z3060 - p.152

Z3070 - p.153

Z3080 - p.155

Z3090 - p.156

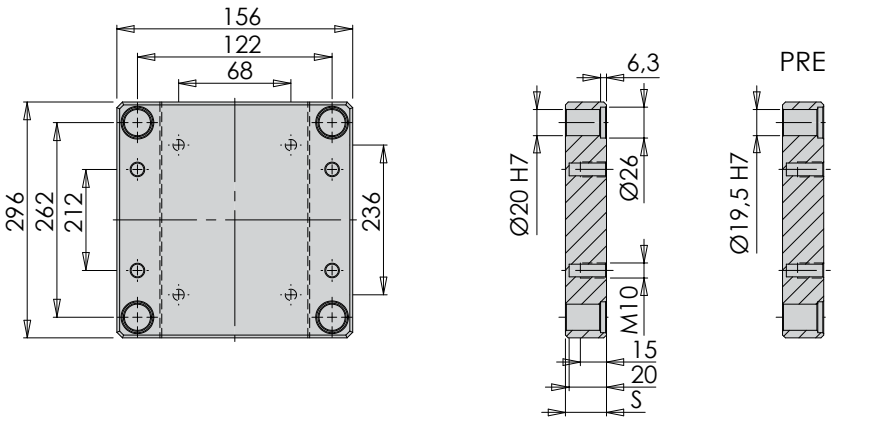
Z3100 - p.157

Z4057 - p.160


# 156 x 296

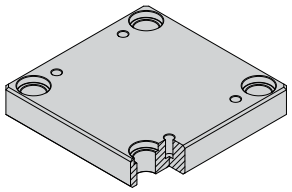
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



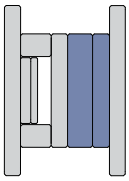

## ML

1630-S-ML.Mat



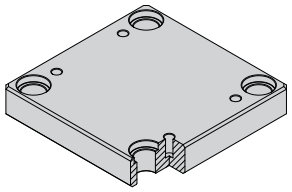
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 2085 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 2311 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 2312 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



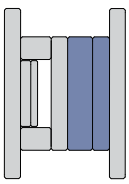
## ML - PRE

1630-S-ML.Mat.PRE



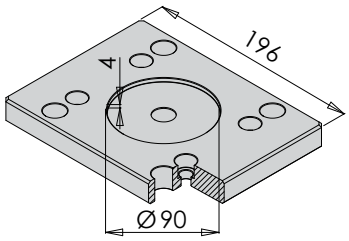
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 2311 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 2312 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 2083 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 2343 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| STAVAX | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

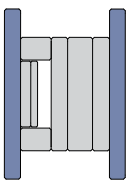


## KL 1

1630-S-KL1.Mat

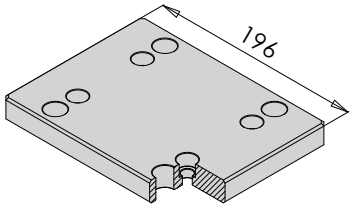



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | | | | | | | | | | | | |
| 2085 | | | | | ● | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

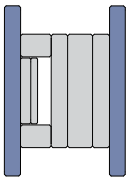


## KL 5

1630-S-KL5.Mat

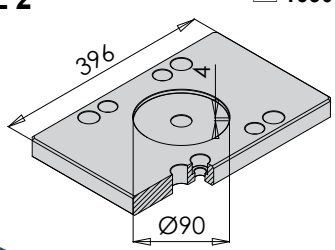



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | | | | | | | | | | | | |
| 2085 | | | | | ● | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

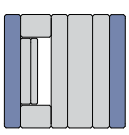


## KL 2

1630-S-KL2.Mat

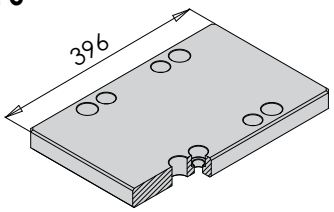



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | | | | | | | | | | | | |
| 2085 | | | | | ● | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

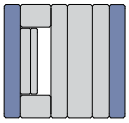


## KL 6

1630-S-KL6.Mat

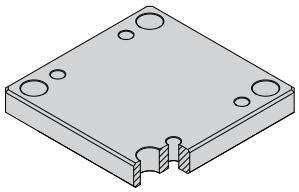



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | | | | | | | | | | | | |
| 2085 | | | | | ● | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

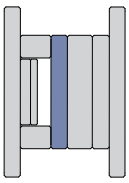


## TL

1630-S-TL.Mat

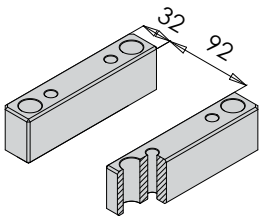


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 2085 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

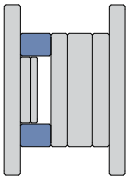


## TP

1630-S-TP.Mat

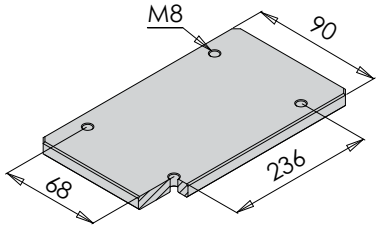



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | ● | ● | | ● | | | | | | | |
| 2085 | | | | | | | | ● | ● | | ● | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

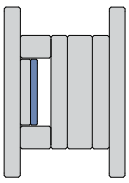


## UL1

1630-S-UL1.Mat

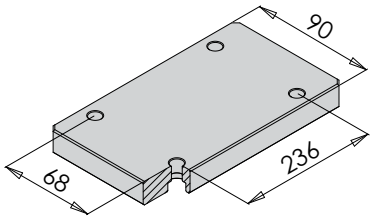



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | ● | | | | | | | | | | | | | | | |
| 2085 | | | ● | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

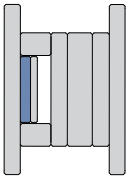


## UL2

1630-S-UL2.Mat




| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | | | | | | | | | | | | | | |
| 2085 | | | | ● | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

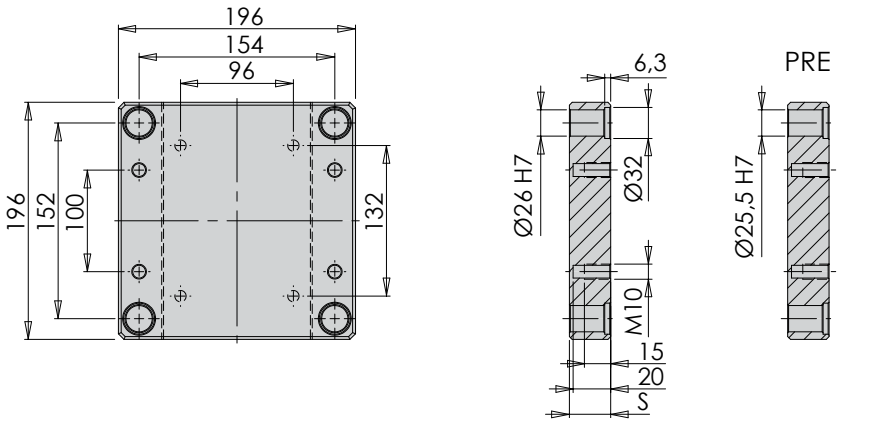


Z1010 - p.128 | Z1020 - p.130 | Z1030 - p.132 | Z1040 - p.132 | Z1080 - p.133 | Z1100 - p.134 | Z1210 - p.135
Z1250 - p.136 | Z1410 - p.137 | Z1610 - p.138 | Z1810 - p.139 | Z2010 - p.140 | Z2210/11 - p.141 | Z2240 - p.142
Z2251 - p.143 | Z2320 - p.144 | Z2610 - p.145 | Z2820 - p.146 | Z3010 - p.148 | Z3030 - p.148 | Z3040 - p.149
Z3050 - p.151 | Z3060 - p.152 | Z3070 - p.153 | Z3080 - p.155 | Z3090 - p.156 | Z3100 - p.157 | Z4057 - p.160

# 196 x 196

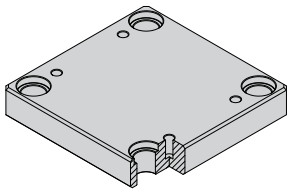
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

● = *Standardivalikoima*
● = *Standard assortment*
● = *Стандартные диапазон*



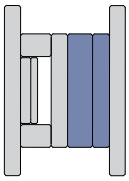

## ML

2020-S-ML.Mat



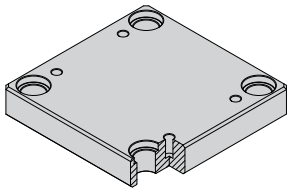
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2085 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2311 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2312 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



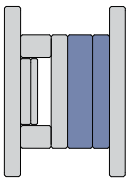
## ML - PRE

2020-S-ML.Mat.PRE



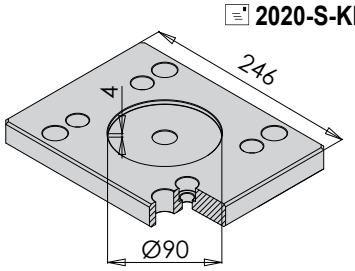
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2311 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2312 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2083 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

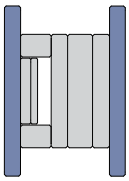


## KL 1

2020-S-KL1.Mat

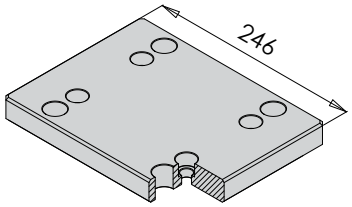



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | | | | | | | | | | | | |
| 2085 | | | | | ● | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

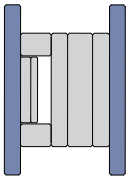


## KL 5

2020-S-KL5.Mat

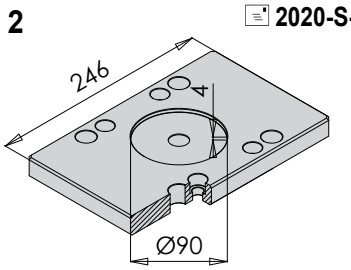



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | | | | | | | | | | | | |
| 2085 | | | | | ● | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

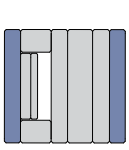


## KL 2

2020-S-KL2.Mat

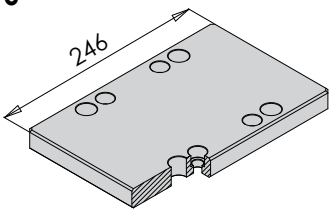



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | | | | | | | | | | | | |
| 2085 | | | | | ● | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

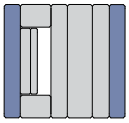


## KL 6

2020-S-KL6.Mat

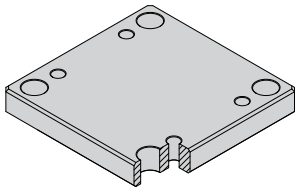



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | | | | | | | | | | | | |
| 2085 | | | | | ● | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

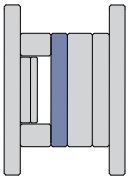


## TL

2020-S-TL.Mat

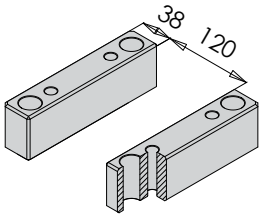


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2085 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

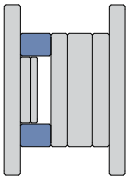


## TP

2020-S-TP.Mat

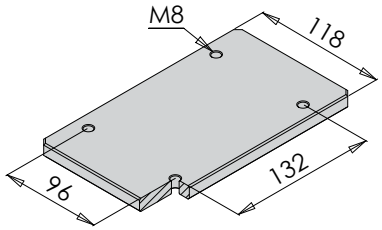



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | ● | ● | | ● | | | | | | | |
| 2085 | | | | | | | | ● | ● | | ● | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

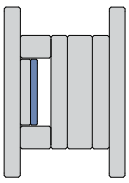


## UL1

2020-S-UL1.Mat

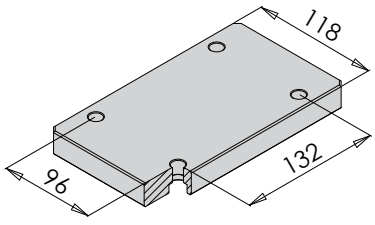



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | ● | | | | | | | | | | | | | | | |
| 2085 | | | ● | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

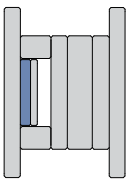


## UL2

2020-S-UL2.Mat




| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | | | | | | | | | | | | | | |
| 2085 | | | | ● | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

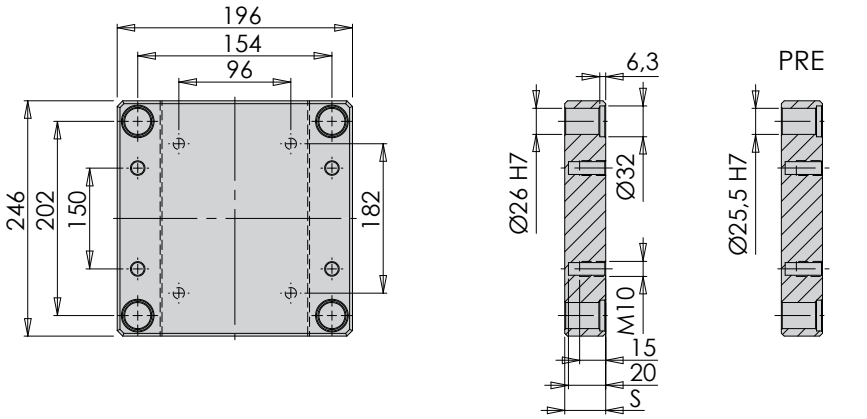


Z1010 - p.128
Z1020 - p.130
Z1030 - p.132
Z1040 - p.132
Z1080 - p.133
Z1100 - p.134
Z1210 - p.135
Z1250 - p.136
Z1410 - p.137
Z1610 - p.138
Z1810 - p.139
Z2010 - p.140
Z2210/11 - p.141
Z2240 - p.142
Z2251 - p.143
Z2320 - p.144
Z2610 - p.145
Z2820 - p.146
Z3010 - p.148
Z3030 - p.148
Z3040 - p.149
Z3050 - p.151
Z3060 - p.152
Z3070 - p.153
Z3080 - p.155
Z3090 - p.156
Z3100 - p.157
Z4057 - p.160

# 196 x 246

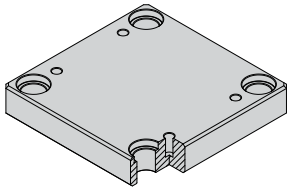
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



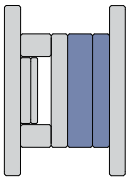

## ML

2025-S-ML.Mat



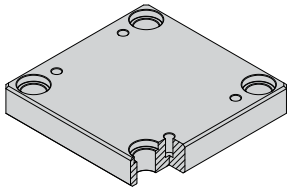
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2085 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2311 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2312 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



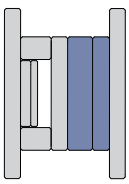
## ML - PRE

2025-S-ML.Mat.PRE



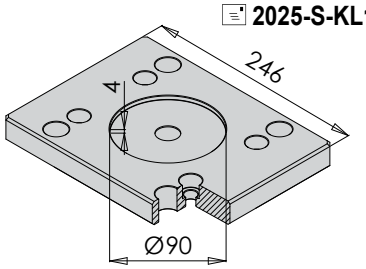
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2311 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2312 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2083 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

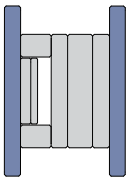


## KL 1

2025-S-KL1.Mat

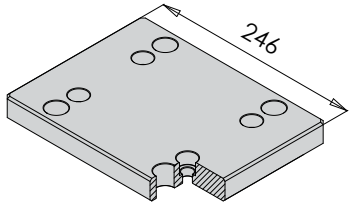



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | | | | | | | | | | | | |
| 2085 | | | | | ● | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

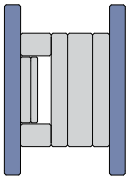


## KL 5

2025-S-KL5.Mat

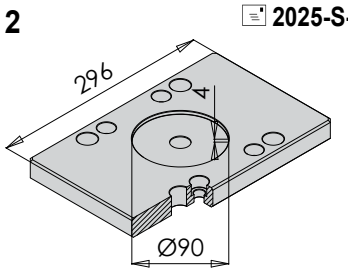



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | | | | | | | | | | | | |
| 2085 | | | | | ● | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

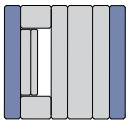


## KL 2

2025-S-KL2.Mat

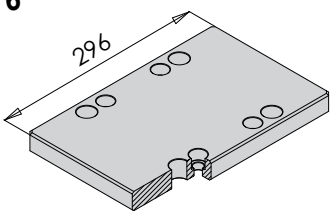



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | | | | | | | | | | | | |
| 2085 | | | | | ● | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

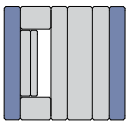


## KL 6

2025-S-KL6.Mat

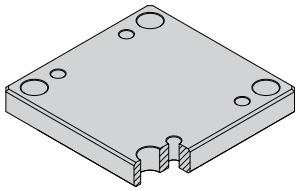



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | | | | | | | | | | | | |
| 2085 | | | | | ● | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

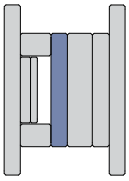


## TL

2025-S-TL.Mat

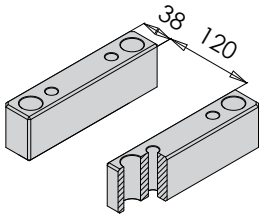


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2085 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

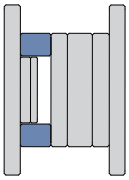


## TP

2025-S-TP.Mat

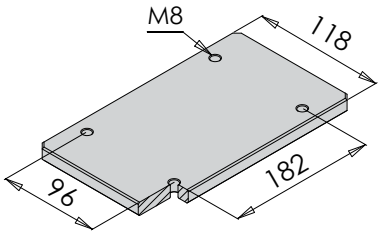



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | ● | ● | | ● | | | | | | | |
| 2085 | | | | | | | | ● | ● | | ● | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
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| STAVAX | | | | | | | | | | | | | | | | | | |

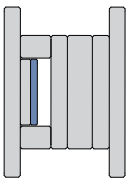


## UL1

2025-S-UL1.Mat

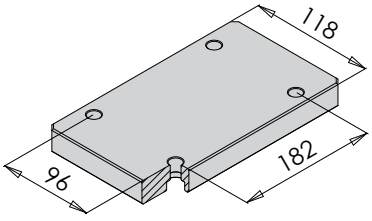



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | ● | | | | | | | | | | | | | | | |
| 2085 | | | ● | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

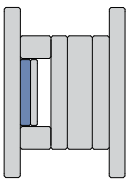


## UL2

2025-S-UL2.Mat




| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | | | | | | | | | | | | | | |
| 2085 | | | | ● | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

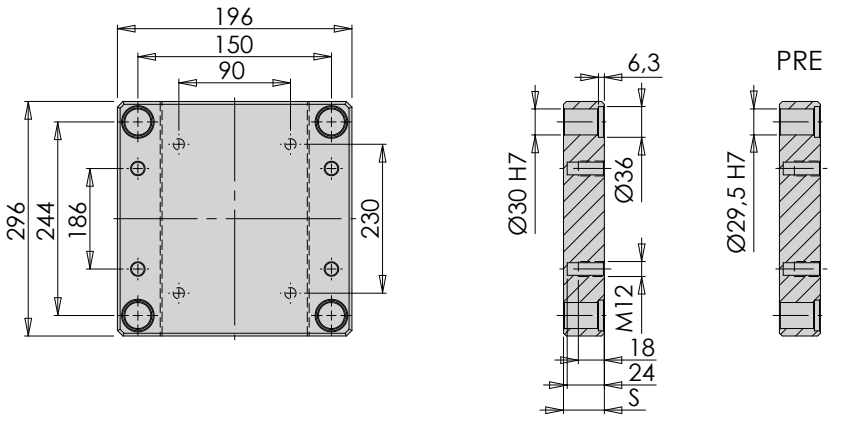


Z1010 - p.128
Z1020 - p.130
Z1030 - p.132
Z1040 - p.132
Z1080 - p.133
Z1100 - p.134
Z1210 - p.135
Z1250 - p.136
Z1410 - p.137
Z1610 - p.138
Z1810 - p.139
Z2010 - p.140
Z2210/11 - p.141
Z2240 - p.142
Z2251 - p.143
Z2320 - p.144
Z2610 - p.145
Z2820 - p.146
Z3010 - p.148
Z3030 - p.148
Z3040 - p.149
Z3050 - p.151
Z3060 - p.152
Z3070 - p.153
Z3080 - p.155
Z3090 - p.156
Z3100 - p.157
Z4057 - p.160

# 196 x 296

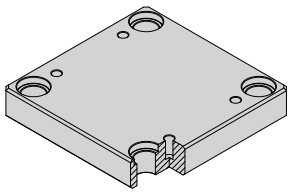
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



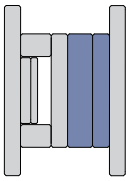

## ML

2030-S-ML.Mat



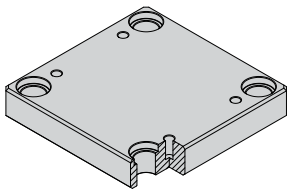
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2085 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2311 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2312 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



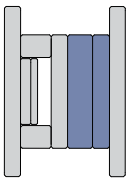
## ML - PRE

2030-S-ML.Mat.PRE



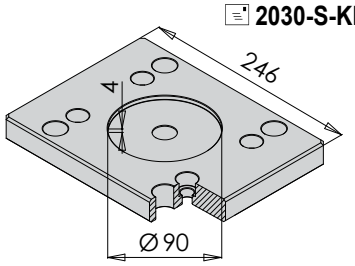
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2311 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2312 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2083 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

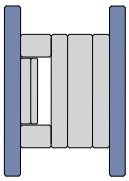


## KL 1

2030-S-KL1.Mat

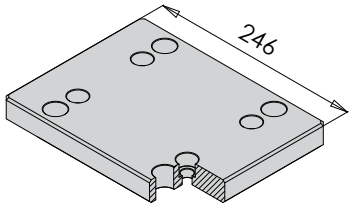



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | | | | | | | | | | | | |
| 2085 | | | | | ● | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

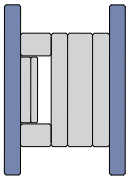


## KL 5

2030-S-KL5.Mat

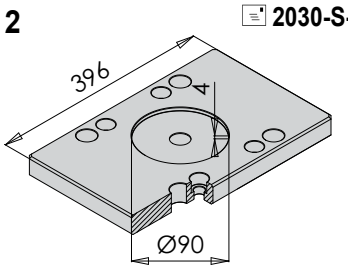



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | | | | | | | | | | | | |
| 2085 | | | | | ● | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

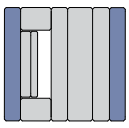


## KL 2

2030-S-KL2.Mat

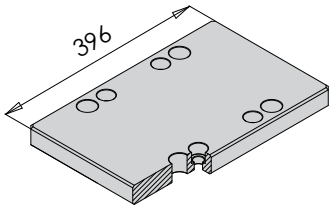



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | | | | | | | | | | | | |
| 2085 | | | | | ● | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

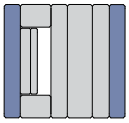


## KL 6

2030-S-KL6.Mat

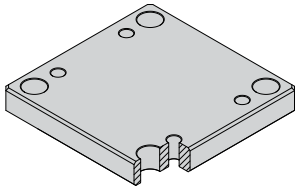



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | | | | | | | | | | | | |
| 2085 | | | | | ● | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

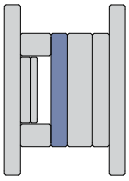


## TL

2030-S-TL.Mat

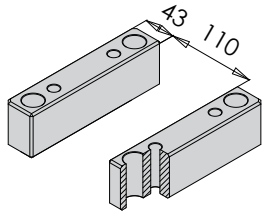


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2085 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

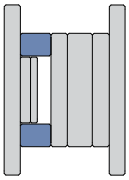


## TP

2030-S-TP.Mat

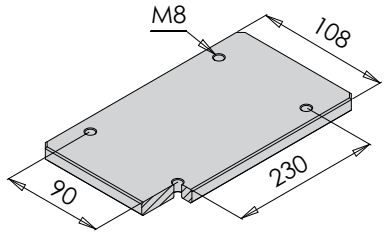



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | ● | | ● | | ● | | | | | |
| 2085 | | | | | | | | | ● | | ● | | ● | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
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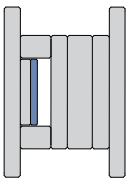


## UL1

2030-S-UL1.Mat

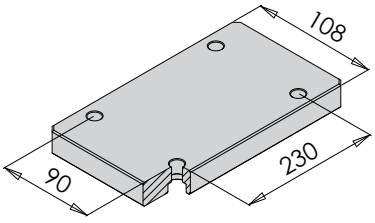



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | ● | | | | | | | | | | | | | | | |
| 2085 | | | ● | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

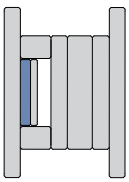


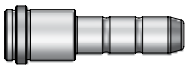
## UL2

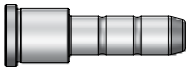
2030-S-UL2.Mat

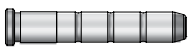



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | | | | | | | | | | | | | | |
| 2085 | | | | ● | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

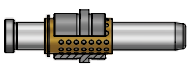


Z1010 - p.128


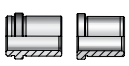
Z1020 - p.130


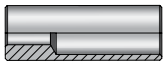
Z1030 - p.132


Z1040 - p.132

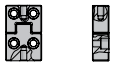

Z1080 - p.133


Z1100 - p.134


Z1210 - p.135


Z1250 - p.136


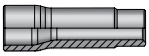
Z1410 - p.137

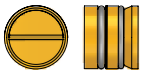

Z1610 - p.138


Z1810 - p.139

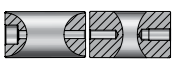

Z2010 - p.140


Z2210/11 - p.141


Z2240 - p.142


Z2251 - p.143


Z2320 - p.144


Z2610 - p.145


Z2820 - p.146


Z3010 - p.148


Z3030 - p.148


Z3040 - p.149


Z3050 - p.151


Z3060 - p.152


Z3070 - p.153


Z3080 - p.155


Z3090 - p.156

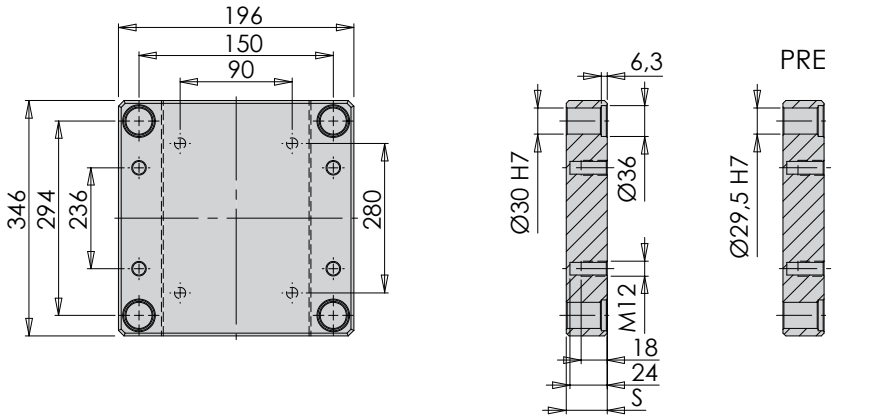

Z3100 - p.157


Z4057 - p.160


# 196 x 346

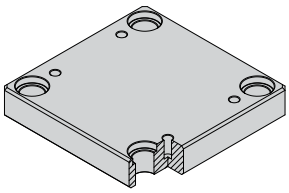
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



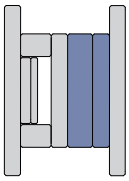

## ML

2035-S-ML.Mat



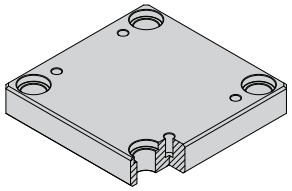
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2085 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2311 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2312 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



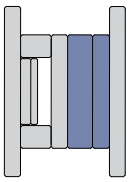
## ML - PRE

2035-S-ML.Mat.PRE



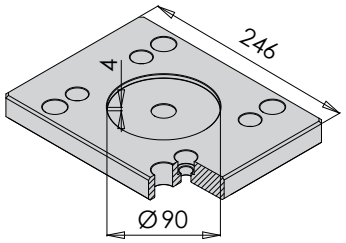
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2311 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2312 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2083 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

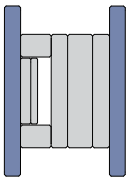


## KL 1

2035-S-KL1.Mat

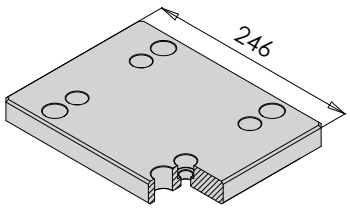



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

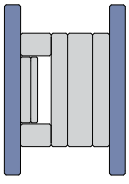


## KL 5

2035-S-KL5.Mat

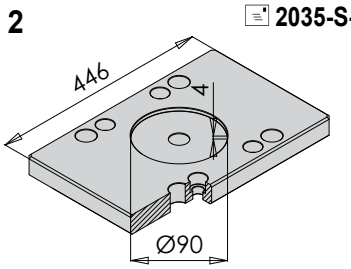



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

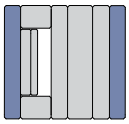


## KL 2

2035-S-KL2.Mat

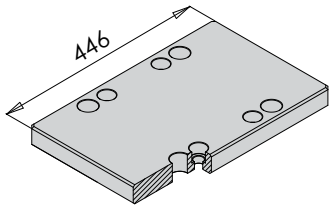



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

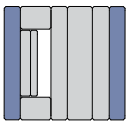


## KL 6

2035-S-KL6.Mat

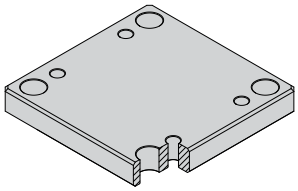



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | • | • | | | | | | | | | | | |
| 2085 | | | | | | • | • | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

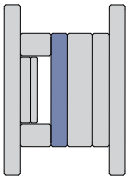


## TL

2035-S-TL.Mat

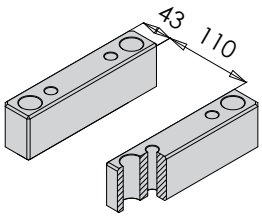


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | • | • | • | • | • | • | • | • | • | | | | | |
| 2085 | | | | | • | • | • | • | • | • | • | • | • | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | • | • | • | • | • | • | • | • | • | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
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| STAVAX | | | | | | | | | | | | | | | | | | |

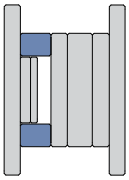


## TP

2035-S-TP.Mat

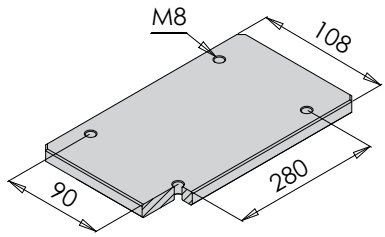



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | • | | • | | • | | | | | |
| 2085 | | | | | | | | | • | | • | | • | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

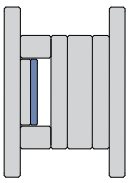


## UL1

2035-S-UL1.Mat

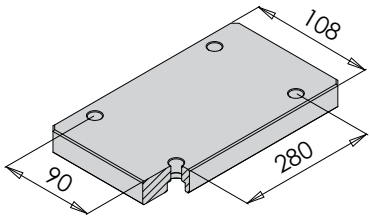



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | • | | | | | | | | | | | | | | | |
| 2085 | | | • | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

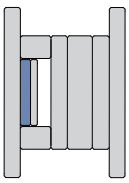


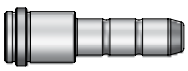
## UL2

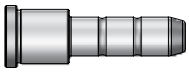
2035-S-UL2.Mat

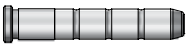



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | • | | | | | | | | | | | | | | |
| 2085 | | | | • | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

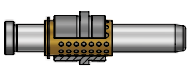


Z1010 - p.128


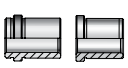
Z1020 - p.130


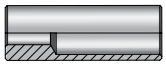
Z1030 - p.132


Z1040 - p.132

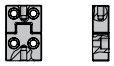

Z1080 - p.133


Z1100 - p.134


Z1210 - p.135


Z1250 - p.136


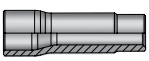
Z1410 - p.137


Z1610 - p.138


Z1810 - p.139

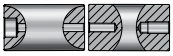

Z2010 - p.140


Z2210/11 - p.141


Z2240 - p.142


Z2251 - p.143


Z2320 - p.144


Z2610 - p.145


Z2820 - p.146


Z3010 - p.148


Z3030 - p.148


Z3040 - p.149


Z3050 - p.151


Z3060 - p.152


Z3070 - p.153


Z3080 - p.155


Z3090 - p.156

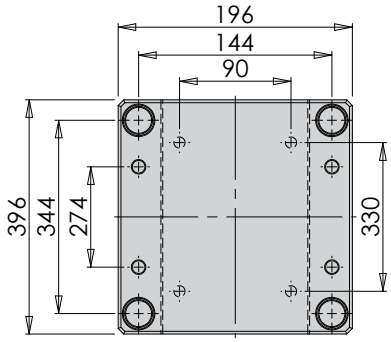

Z3100 - p.157

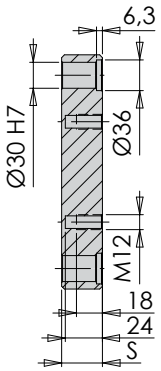

Z4057 - p.160

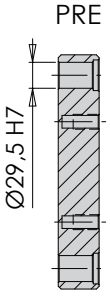

# 196 x 396

*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*

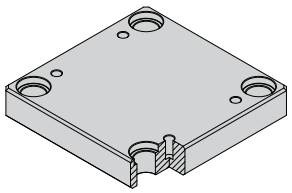


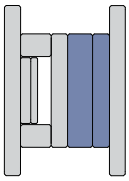

## ML

2040-S-ML.Mat



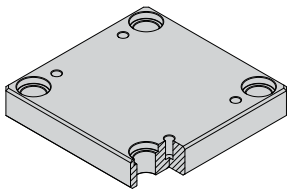
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2085 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2311 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2312 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



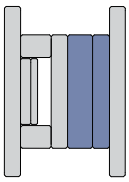
## ML - PRE

2040-S-ML.Mat.PRE



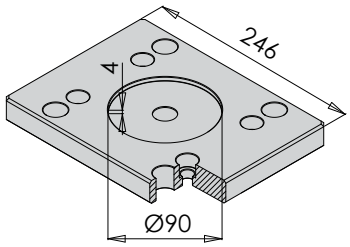
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2311 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2312 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2083 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

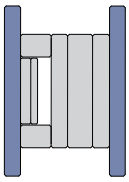


## KL 1

2040-S-KL1.Mat

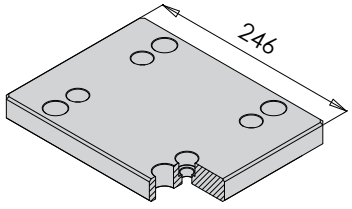



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

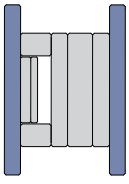


## KL 5

2040-S-KL5.Mat

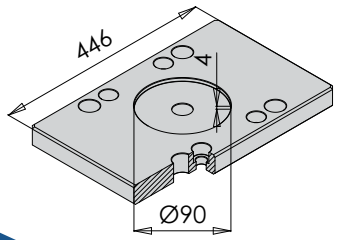



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

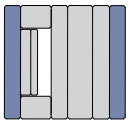


## KL 2

2040-S-KL2.Mat

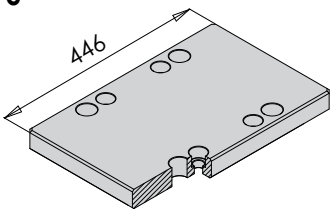



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

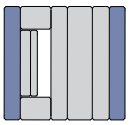


## KL 6

2040-S-KL6.Mat

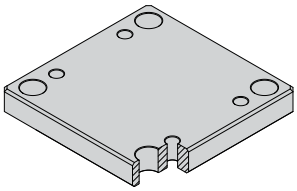



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

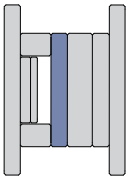


## TL

2040-S-TL.Mat

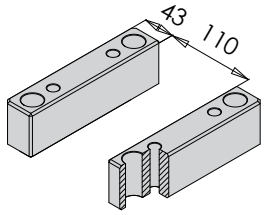


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2085 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
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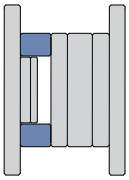


## TP

2040-S-TP.Mat

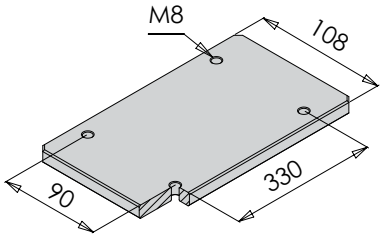



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | ● | | ● | | ● | | | | | |
| 2085 | | | | | | | | | ● | | ● | | ● | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

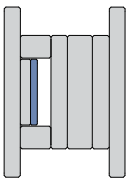


## UL1

2040-S-UL1.Mat

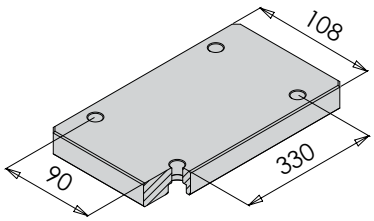



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | | | | | | | | | | | | | | |
| 2085 | | | | ● | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
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| STAVAX | | | | | | | | | | | | | | | | | | |

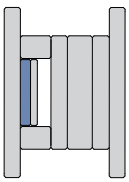


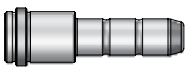
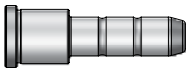
## UL2

2040-S-UL2.Mat

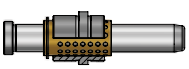


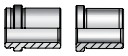
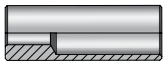

| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | | | | | | | | | | | | | |
| 2085 | | | | | ● | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

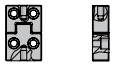


Z1010 - p.128

Z1020 - p.130

Z1030 - p.132

Z1040 - p.132

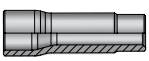
Z1080 - p.133

Z1100 - p.134

Z1210 - p.135

Z1250 - p.136

Z1410 - p.137

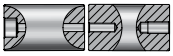
Z1610 - p.138

Z1810 - p.139

Z2010 - p.140

Z2210/11 - p.141

Z2240 - p.142

Z2251 - p.143

Z2320 - p.144

Z2610 - p.145

Z2820 - p.146

Z3010 - p.148

Z3030 - p.148

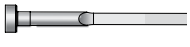
Z3040 - p.149

Z3050 - p.151

Z3060 - p.152

Z3070 - p.153

Z3080 - p.155

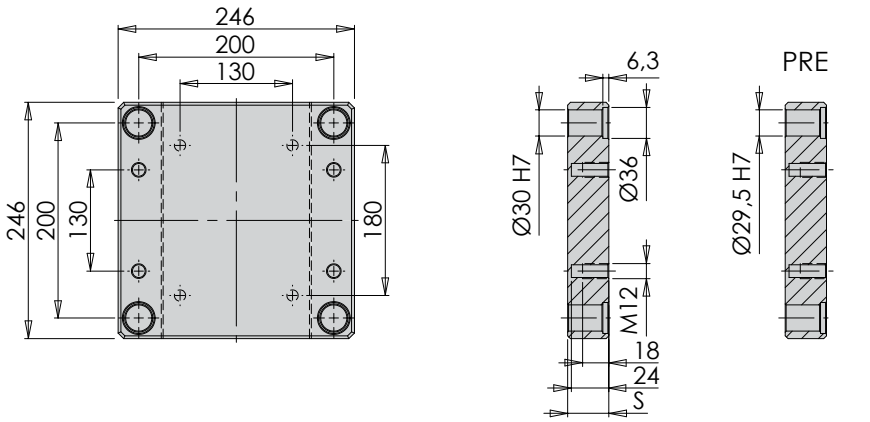
Z3090 - p.156

Z3100 - p.157

Z4057 - p.160


# 246 x 246

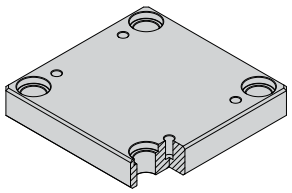
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



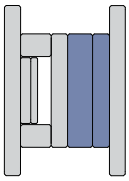

## ML

2525-S-ML.Mat



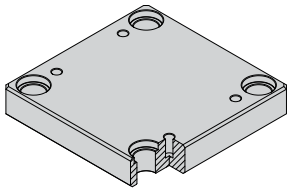
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2085 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2311 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2312 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



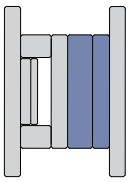
## ML - PRE

2525-S-ML.Mat.PRE



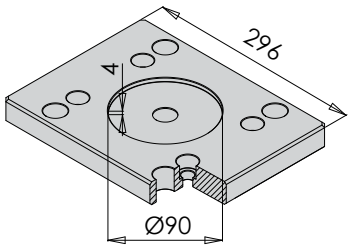
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2311 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2312 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2083 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

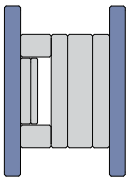


## KL 1

2525-S-KL1.Mat

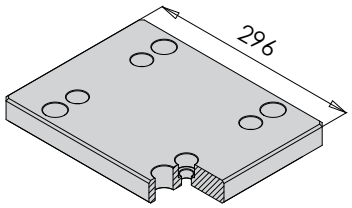



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | | | | | | | | | | | | |
| 2085 | | | | | ● | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

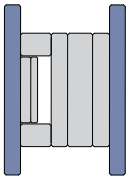


## KL 5

2525-S-KL5.Mat

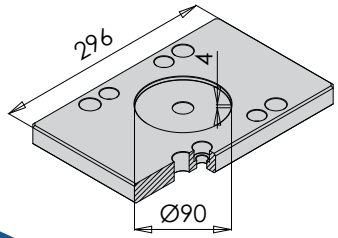



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | | | | | | | | | | | | |
| 2085 | | | | | ● | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

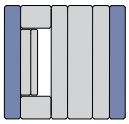


## KL 2

2525-S-KL2.Mat

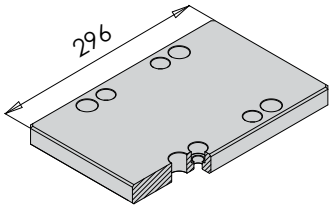



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | | | | | | | | | | | | |
| 2085 | | | | | ● | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

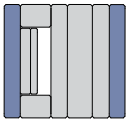


## KL 6

2525-S-KL6.Mat

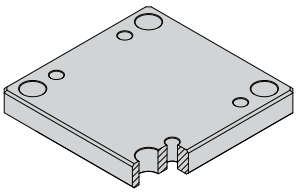



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | | | | | | | | | | | | |
| 2085 | | | | | ● | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

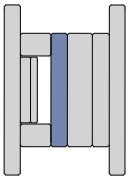


## TL

2525-S-TL.Mat

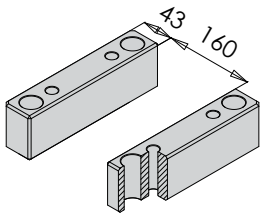


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2085 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

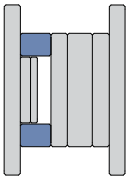


## TP

2525-S-TP.Mat

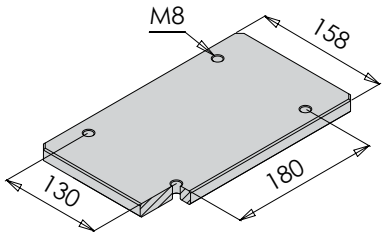



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | ● | | ● | | ● | | | | | |
| 2085 | | | | | | | | | ● | | ● | | ● | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

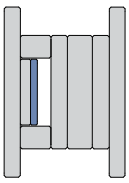


## UL1

2525-S-UL1.Mat

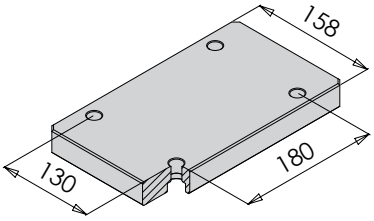



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | ● | | | | | | | | | | | | | | | |
| 2085 | | | ● | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

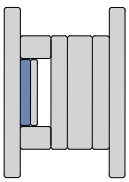


## UL2

2525-S-UL2.Mat




| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | | | | | | | | | | | | | | |
| 2085 | | | | ● | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

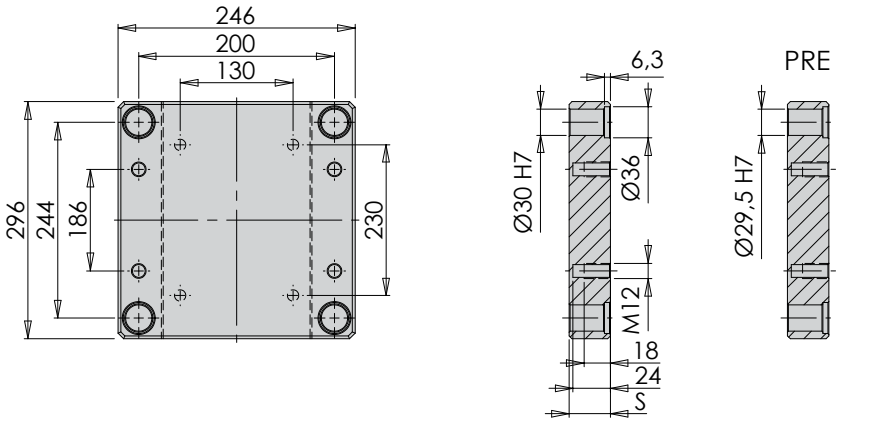


Z1010 - p.128
Z1020 - p.130
Z1030 - p.132
Z1040 - p.132
Z1080 - p.133
Z1100 - p.134
Z1210 - p.135
Z1250 - p.136
Z1410 - p.137
Z1610 - p.138
Z1810 - p.139
Z2010 - p.140
Z2210/11 - p.141
Z2240 - p.142
Z2251 - p.143
Z2320 - p.144
Z2610 - p.145
Z2820 - p.146
Z3010 - p.148
Z3030 - p.148
Z3040 - p.149
Z3050 - p.151
Z3060 - p.152
Z3070 - p.153
Z3080 - p.155
Z3090 - p.156
Z3100 - p.157
Z4057 - p.160

# 246 x 296

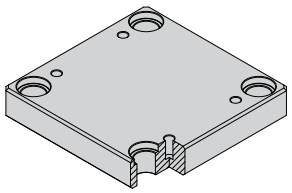
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

● = *Standardivalikoima*
● = *Standard assortment*
● = *Стандартные диапазон*



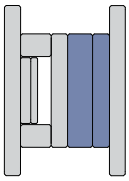

## ML

2530-S-ML.Mat



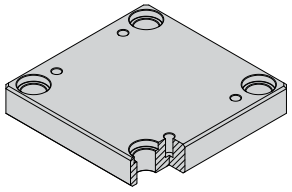
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2085 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2311 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2312 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



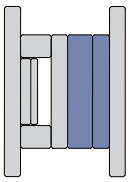
## ML - PRE

2530-S-ML.Mat.PRE



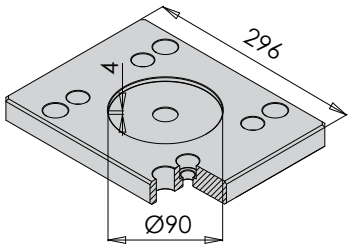
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2311 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2312 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2083 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

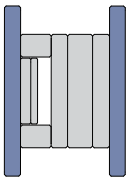


## KL 1

2530-S-KL1.Mat

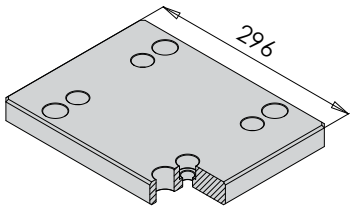



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

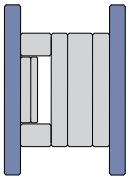


## KL 5

2530-S-KL5.Mat

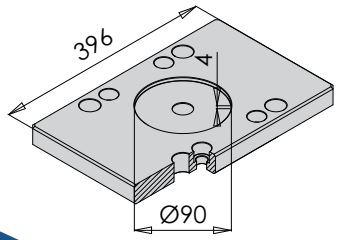



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

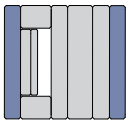


## KL 2

2530-S-KL2.Mat

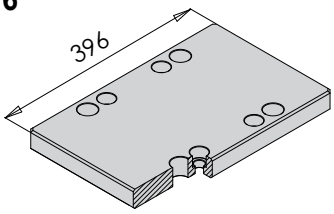



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

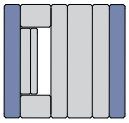


## KL 6

2530-S-KL6.Mat

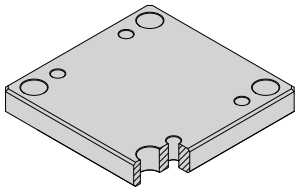



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

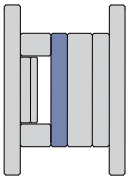


## TL

2530-S-TL.Mat

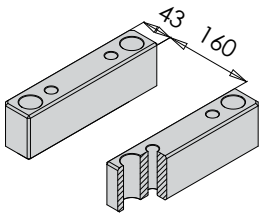


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2085 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

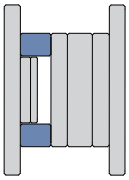


## TP

2530-S-TP.Mat

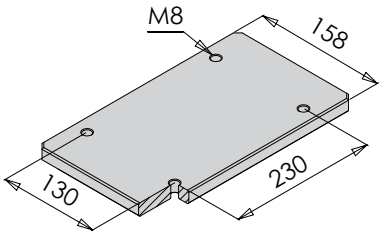



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | ● | | ● | | ● | | | | | |
| 2085 | | | | | | | | | ● | | ● | | ● | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

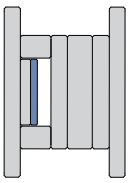


## UL1

2530-S-UL1.Mat

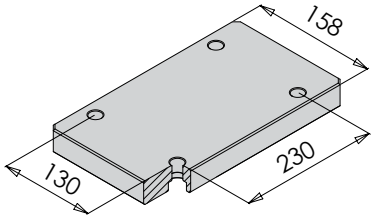



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | ● | | | | | | | | | | | | | | | |
| 2085 | | | ● | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

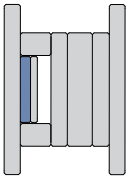


## UL2

2530-S-UL2.Mat




| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | | | | | | | | | | | | | | |
| 2085 | | | | ● | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

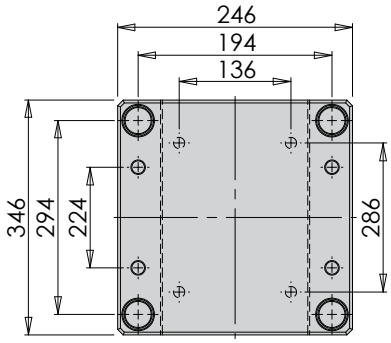


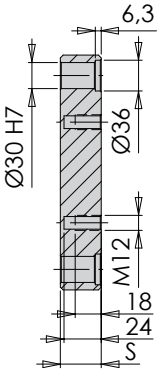
Z1010 - p.128 | Z1020 - p.130 | Z1030 - p.132 | Z1040 - p.132 | Z1080 - p.133 | Z1100 - p.134 | Z1210 - p.135
Z1250 - p.136 | Z1410 - p.137 | Z1610 - p.138 | Z1810 - p.139 | Z2010 - p.140 | Z2210/11 - p.141 | Z2240 - p.142
Z2251 - p.143 | Z2320 - p.144 | Z2610 - p.145 | Z2820 - p.146 | Z3010 - p.148 | Z3030 - p.148 | Z3040 - p.149
Z3050 - p.151 | Z3060 - p.152 | Z3070 - p.153 | Z3080 - p.155 | Z3090 - p.156 | Z3100 - p.157 | Z4057 - p.160

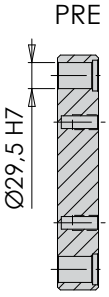
# 246 x 346

*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*

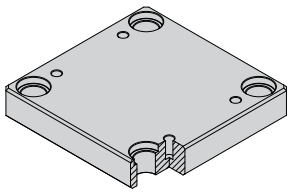


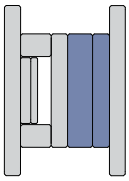

## ML

2535-S-ML.Mat



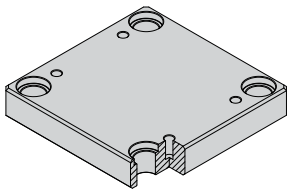
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2085 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2311 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2312 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



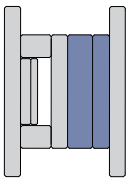
## ML - PRE

2535-S-ML.Mat.PRE



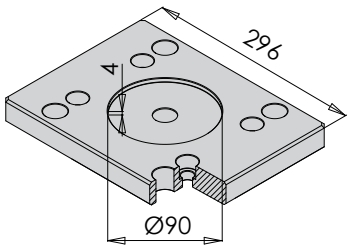
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2311 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2312 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2083 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

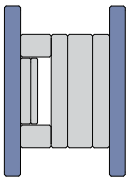


## KL 1

2535-S-KL1.Mat

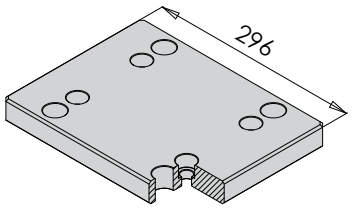



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

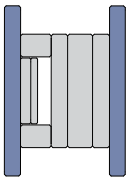


## KL 5

2535-S-KL5.Mat

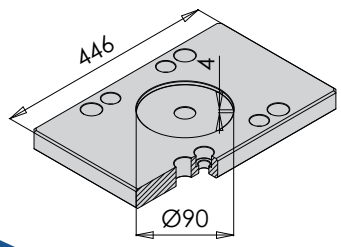



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

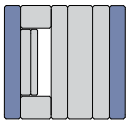


## KL 2

2535-S-KL2.Mat

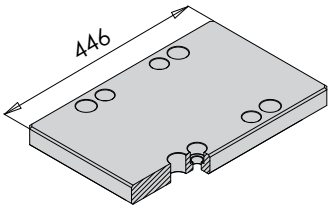



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

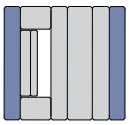


## KL 6

2535-S-KL6.Mat

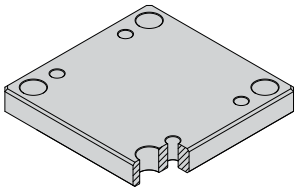



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

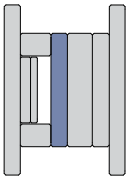


## TL

2535-S-TL.Mat

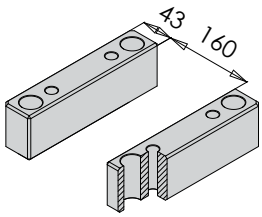


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2085 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

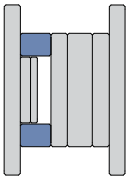


## TP

2535-S-TP.Mat

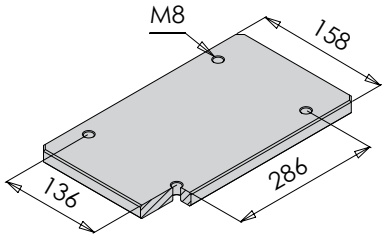



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | ● | | ● | | ● | | | | | |
| 2085 | | | | | | | | | ● | | ● | | ● | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

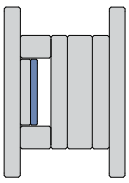


## UL1

2535-S-UL1.Mat

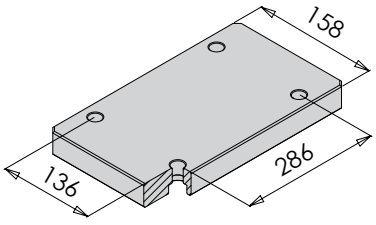



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | | | | | | | | | | | | | | |
| 2085 | | | | ● | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
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| STAVAX | | | | | | | | | | | | | | | | | | |

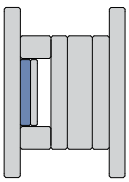


## UL2

2535-S-UL2.Mat




| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | | | | | | | | | | | | | |
| 2085 | | | | | ● | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
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| STAVAX | | | | | | | | | | | | | | | | | | |

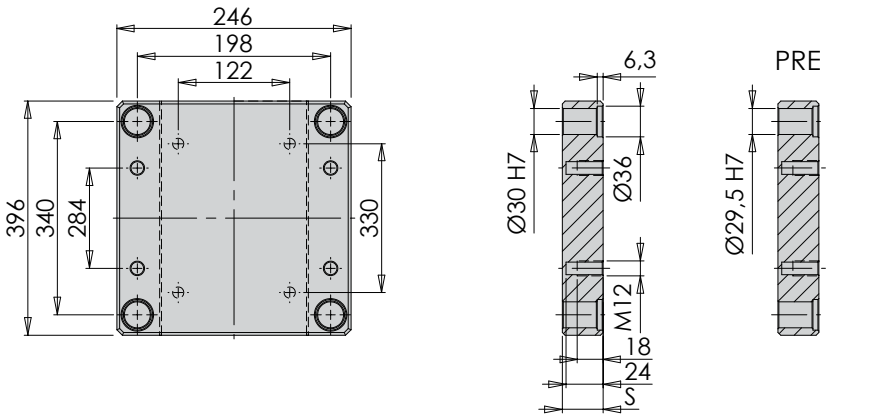


Z1010 - p.128 | Z1020 - p.130 | Z1030 - p.132 | Z1040 - p.132 | Z1080 - p.133 | Z1100 - p.134 | Z1210 - p.135
Z1250 - p.136 | Z1410 - p.137 | Z1610 - p.138 | Z1810 - p.139 | Z2010 - p.140 | Z2210/11 - p.141 | Z2240 - p.142
Z2251 - p.143 | Z2320 - p.144 | Z2610 - p.145 | Z2820 - p.146 | Z3010 - p.148 | Z3030 - p.148 | Z3040 - p.149
Z3050 - p.151 | Z3060 - p.152 | Z3070 - p.153 | Z3080 - p.155 | Z3090 - p.156 | Z3100 - p.157 | Z4057 - p.160

# 246 x 396

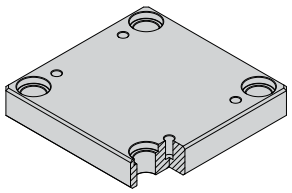
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



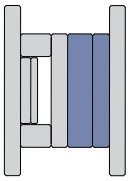

## ML

2540-S-ML.Mat



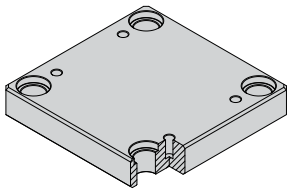
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2085 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2311 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2312 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



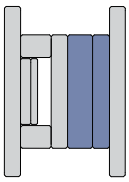
## ML - PRE

2540-S-ML.Mat.PRE



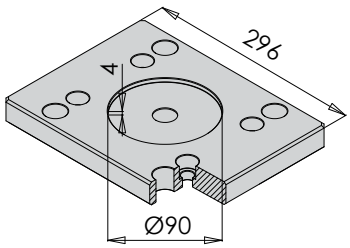
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2311 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2312 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2083 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

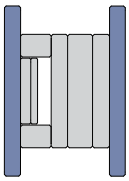


## KL 1

2540-S-KL1.Mat

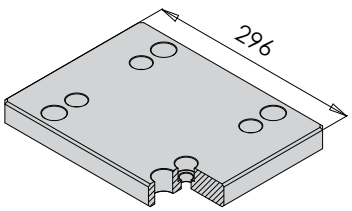



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

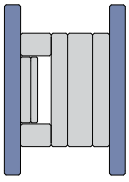


## KL 5

2540-S-KL5.Mat

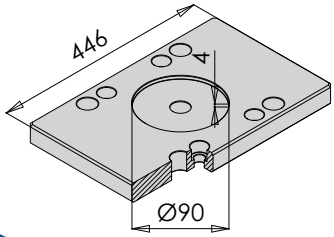



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

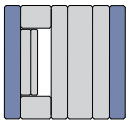


## KL 2

2540-S-KL2.Mat

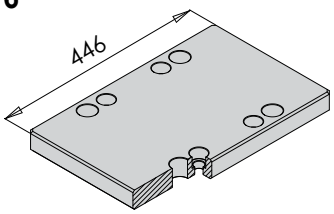



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
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| STAVAX | | | | | | | | | | | | | | | | | | |

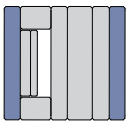


## KL 6

2540-S-KL6.Mat

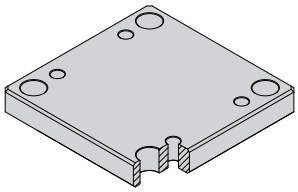



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

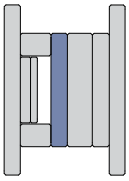


## TL

2540-S-TL.Mat

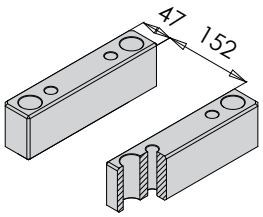


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2085 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

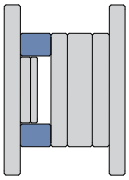


## TP

2540-S-TP.Mat

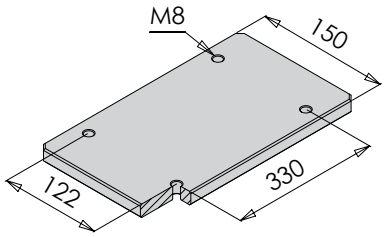



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | ● | | ● | | ● | | | | | |
| 2085 | | | | | | | | | ● | | ● | | ● | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

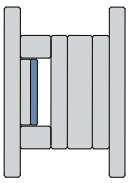


## UL1

2540-S-UL1.Mat

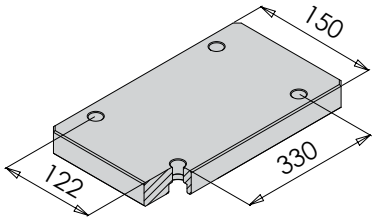



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | | | | | | | | | | | | | | |
| 2085 | | | | ● | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

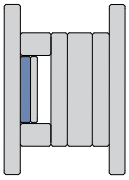


## UL2

2540-S-UL2.Mat




| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | | | | | | | | | | | | | |
| 2085 | | | | | ● | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

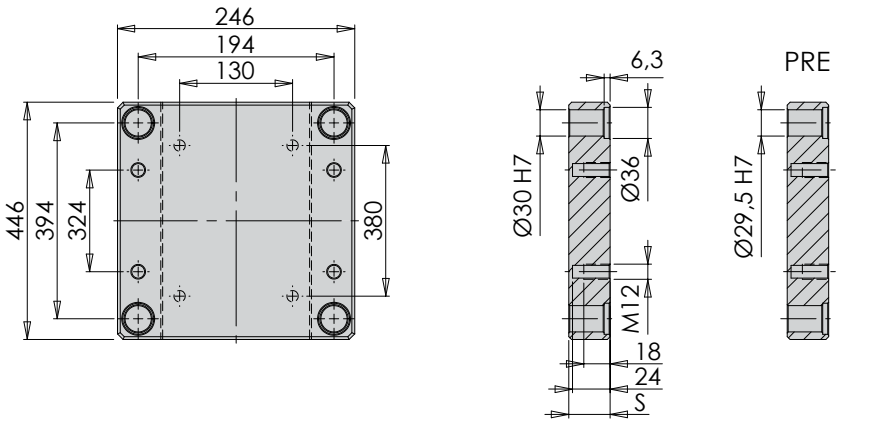


Z1010 - p.128 | Z1020 - p.130 | Z1030 - p.132 | Z1040 - p.132 | Z1080 - p.133 | Z1100 - p.134 | Z1210 - p.135
Z1250 - p.136 | Z1410 - p.137 | Z1610 - p.138 | Z1810 - p.139 | Z2010 - p.140 | Z2210/11 - p.141 | Z2240 - p.142
Z2251 - p.143 | Z2320 - p.144 | Z2610 - p.145 | Z2820 - p.146 | Z3010 - p.148 | Z3030 - p.148 | Z3040 - p.149
Z3050 - p.151 | Z3060 - p.152 | Z3070 - p.153 | Z3080 - p.155 | Z3090 - p.156 | Z3100 - p.157 | Z4057 - p.160

# 246 x 446

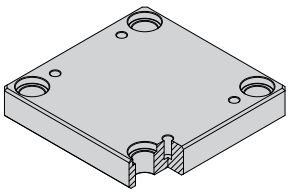
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



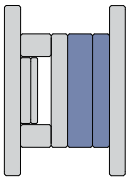

## ML

2545-S-ML.Mat



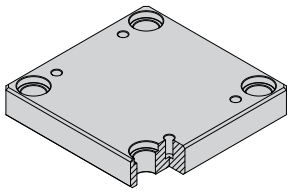
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



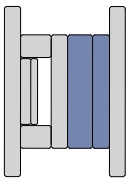
## ML - PRE

2545-S-ML.Mat.PRE



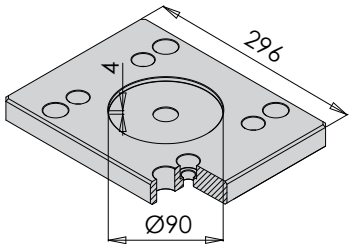
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2083 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

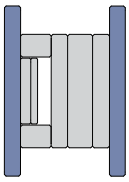


## KL 1

2545-S-KL1.Mat

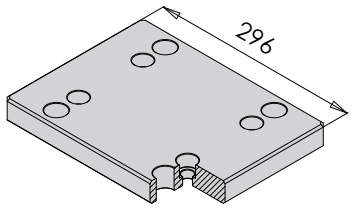



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

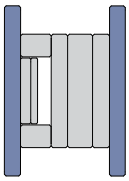


## KL 5

2545-S-KL5.Mat

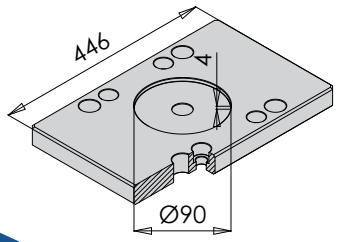



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

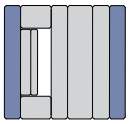


## KL 2

2545-S-KL2.Mat

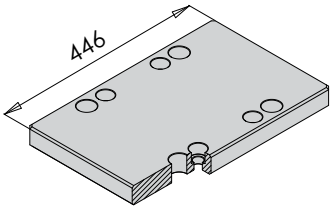



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

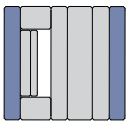


## KL 6

2545-S-KL6.Mat

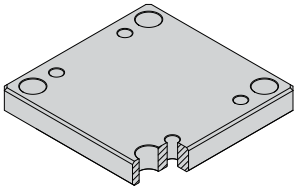



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

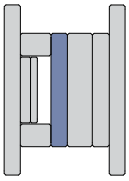


## TL

2545-S-TL.Mat

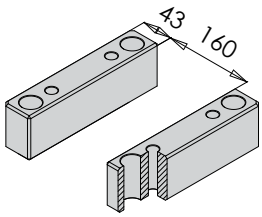


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

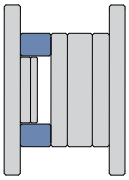


## TP

2545-S-TP.Mat

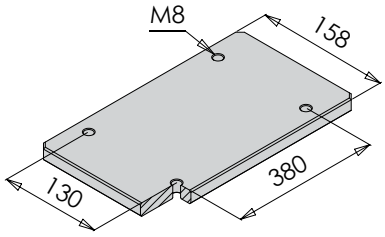



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | ● | | ● | | ● | | | | | |
| 2085 | | | | | | | | | ● | | ● | | ● | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

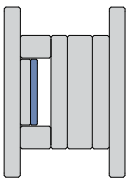


## UL1

2545-S-UL1.Mat

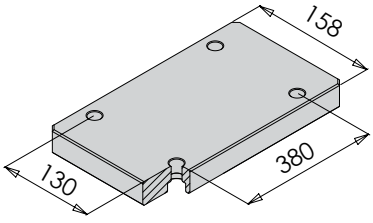



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | | | | | | | | | | | | | | |
| 2085 | | | | ● | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

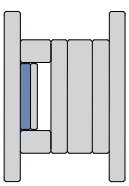


## UL2

2545-S-UL2.Mat




| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | | | | | | | | | | | | | |
| 2085 | | | | | ● | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

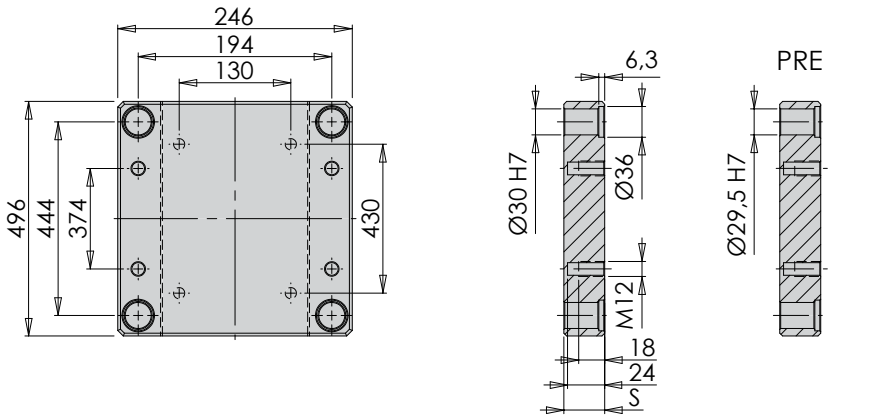


| | | | | | | |
|---|---|---|---|---|---|---|
| Z1010 - p.128 | Z1020 - p.130 | Z1030 - p.132 | Z1040 - p.132 | Z1080 - p.133 | Z1100 - p.134 | Z1210 - p.135 |
| Z1250 - p.136 | Z1410 - p.137 | Z1610 - p.138 | Z1810 - p.139 | Z2010 - p.140 | Z2210/11 - p.141 | Z2240 - p.142 |
| Z2251 - p.143 | Z2320 - p.144 | Z2610 - p.145 | Z2820 - p.146 | Z3010 - p.148 | Z3030 - p.148 | Z3040 - p.149 |
| Z3050 - p.151 | Z3060 - p.152 | Z3070 - p.153 | Z3080 - p.155 | Z3090 - p.156 | Z3100 - p.157 | Z4057 - p.160 |

# 246 x 496

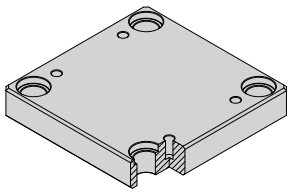
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

● = *Standardivalikoima*
● = *Standard assortment*
● = *Стандартные диапазон*



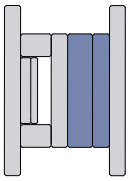

## ML

2550-S-ML.Mat



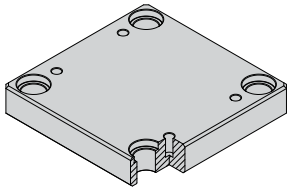
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



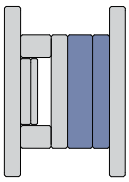
## ML - PRE

2550-S-ML.Mat.PRE



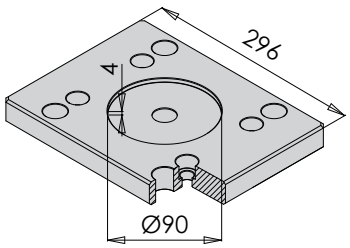
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2083 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

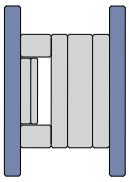


## KL 1

2550-S-KL1.Mat

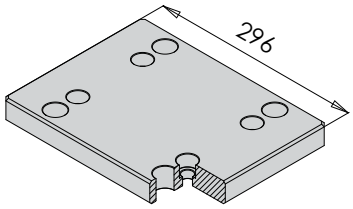



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

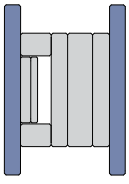


## KL 5

2550-S-KL5.Mat

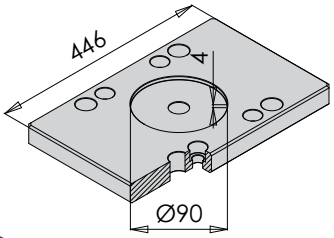



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

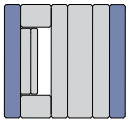


## KL 2

2550-S-KL2.Mat

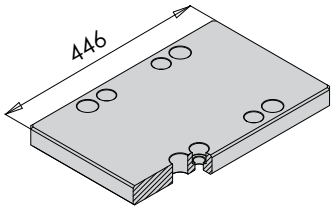



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

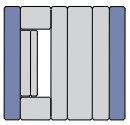


## KL 6

2550-S-KL6.Mat

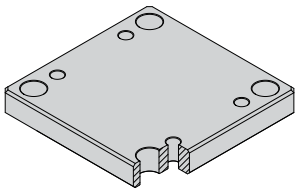



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

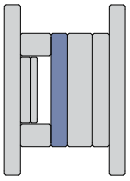


## TL

2550-S-TL.Mat

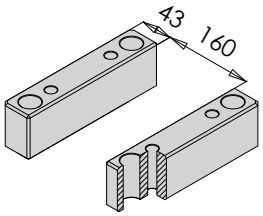


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

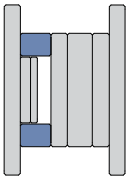


## TP

2550-S-TP.Mat

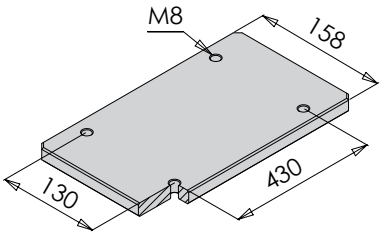



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | ● | | ● | | ● | | | | | |
| 2085 | | | | | | | | | ● | | ● | | ● | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

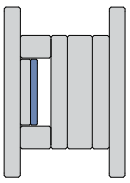


## UL1

2550-S-UL1.Mat

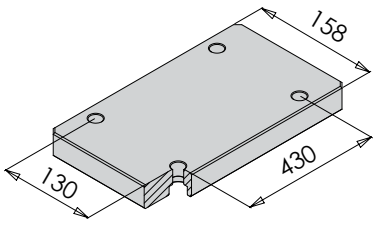



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | | | | | | | | | | | | | | |
| 2085 | | | | ● | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

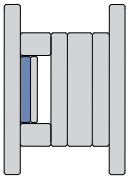


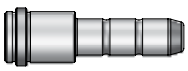
## UL2

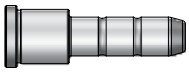
2550-S-UL2.Mat

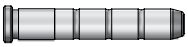



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | | | | | | | | | | | | | |
| 2085 | | | | | ● | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

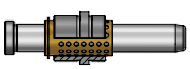


Z1010 - p.128


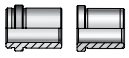
Z1020 - p.130


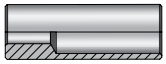
Z1030 - p.132


Z1040 - p.132

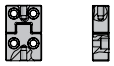

Z1080 - p.133


Z1100 - p.134


Z1210 - p.135


Z1250 - p.136


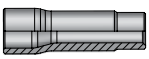
Z1410 - p.137

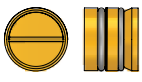

Z1610 - p.138


Z1810 - p.139

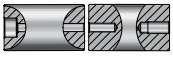

Z2010 - p.140


Z2210/11 - p.141


Z2240 - p.142


Z2251 - p.143


Z2320 - p.144


Z2610 - p.145


Z2820 - p.146


Z3010 - p.148


Z3030 - p.148

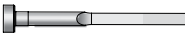

Z3040 - p.149


Z3050 - p.151


Z3060 - p.152


Z3070 - p.153


Z3080 - p.155


Z3090 - p.156


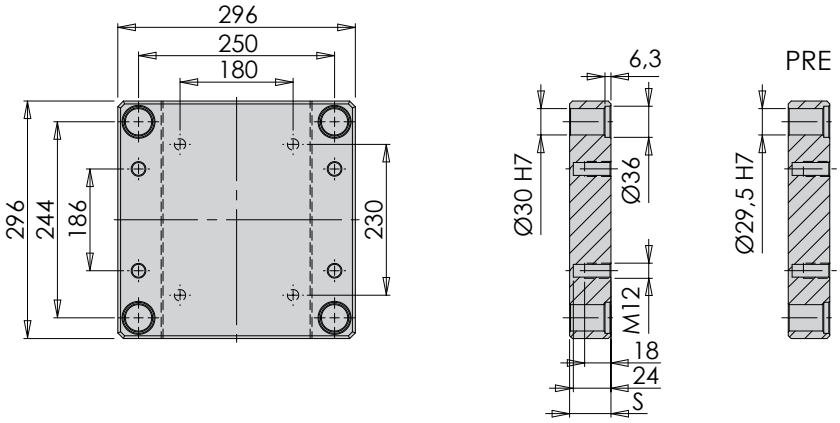
Z3100 - p.157


Z4057 - p.160


# 296 x 296

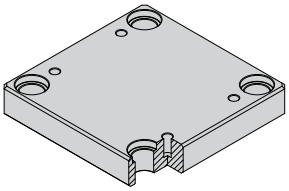
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

● = *Standardivalikoima*
● = *Standard assortment*
● = *Стандартные диапазон*



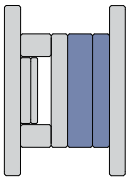

## ML

3030-S-ML.Mat



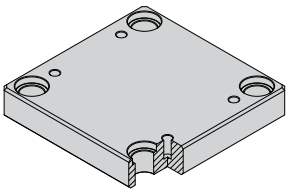
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2085 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2312 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



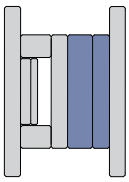
## ML - PRE

3030-S-ML.Mat.PRE



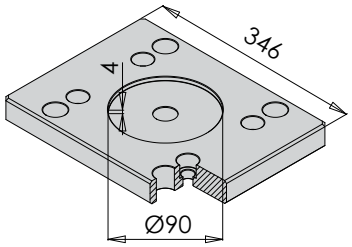
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2312 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

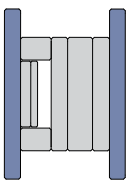


## KL 1

3030-S-KL1.Mat

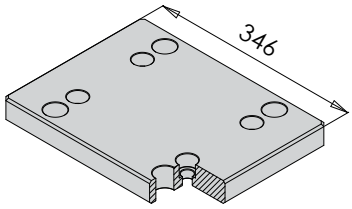



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

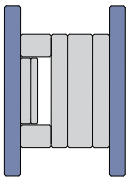


## KL 5

3030-S-KL5.Mat

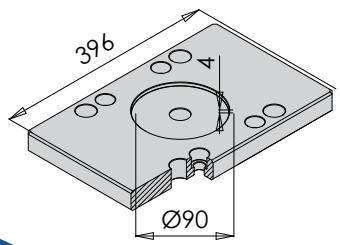



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

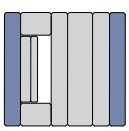


## KL 2

3030-S-KL2.Mat

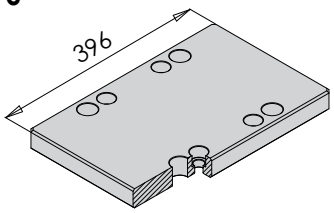



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

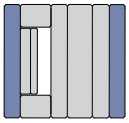


## KL 6

3030-S-KL6.Mat

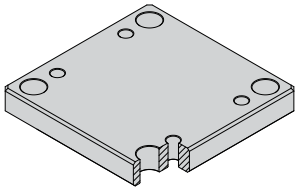



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

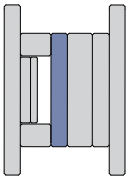


## TL

3030-S-TL.Mat

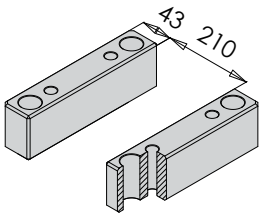


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2085 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

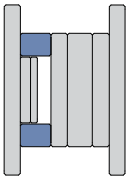


## TP

3030-S-TP.Mat

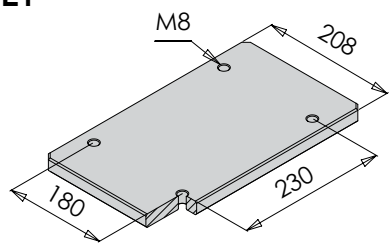



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | ● | | ● | | ● | | | | | |
| 2085 | | | | | | | | | ● | | ● | | ● | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

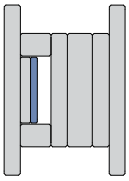


## UL1

3030-S-UL1.Mat

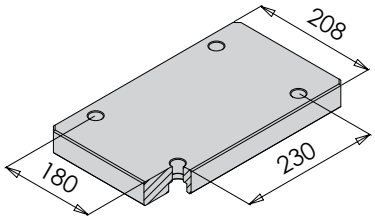



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | ● | | | | | | | | | | | | | | | |
| 2085 | | | ● | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

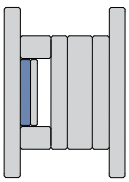


## UL2

3030-S-UL2.Mat




| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | | | | | | | | | | | | | | |
| 2085 | | | | ● | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

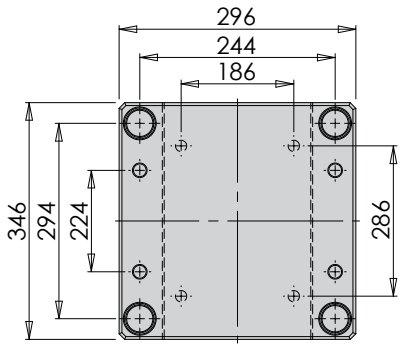


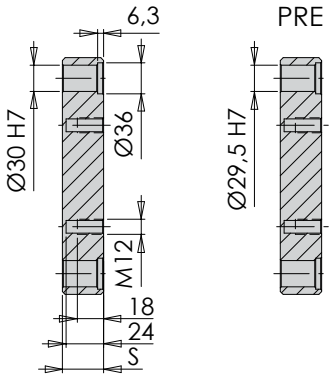
Z1010 - p.128 | Z1020 - p.130 | Z1030 - p.132 | Z1040 - p.132 | Z1080 - p.133 | Z1100 - p.134 | Z1210 - p.135
Z1250 - p.136 | Z1410 - p.137 | Z1610 - p.138 | Z1810 - p.139 | Z2010 - p.140 | Z2210/11 - p.141 | Z2240 - p.142
Z2251 - p.143 | Z2320 - p.144 | Z2610 - p.145 | Z2820 - p.146 | Z3010 - p.148 | Z3030 - p.148 | Z3040 - p.149
Z3050 - p.151 | Z3060 - p.152 | Z3070 - p.153 | Z3080 - p.155 | Z3090 - p.156 | Z3100 - p.157 | Z4057 - p.160

# 296 x 346

*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

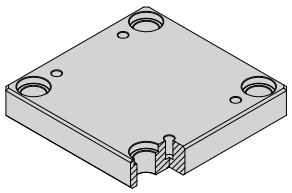
- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



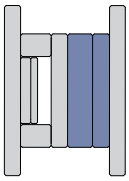

## ML

3035-S-ML.Mat



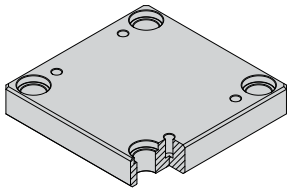
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2085 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2312 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



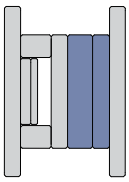
## ML - PRE

3035-S-ML.Mat.PRE



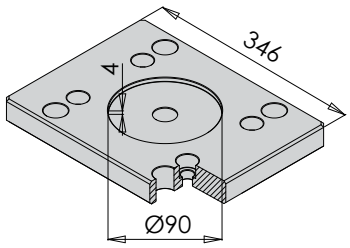
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2312 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

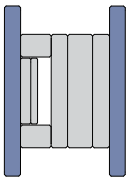


## KL 1

3035-S-KL1.Mat

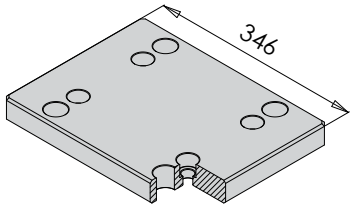



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

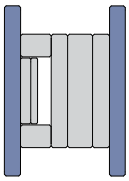


## KL 5

3035-S-KL5.Mat

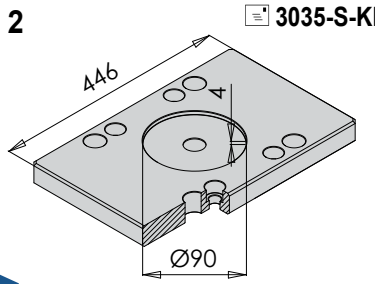



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
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| STAVAX | | | | | | | | | | | | | | | | | | |

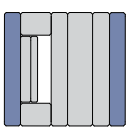


## KL 2

3035-S-KL2.Mat

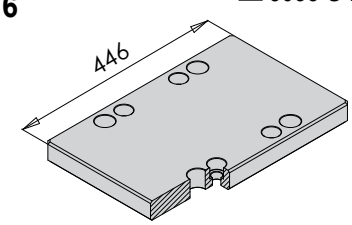



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

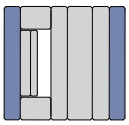


## KL 6

3035-S-KL6.Mat

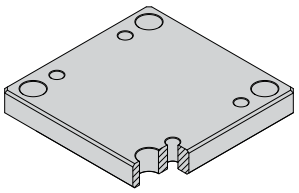



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
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| STAVAX | | | | | | | | | | | | | | | | | | |

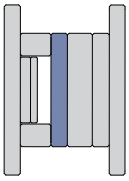


## TL

3035-S-TL.Mat

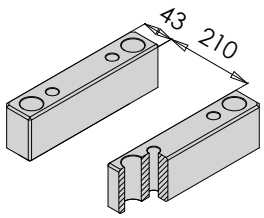


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2085 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

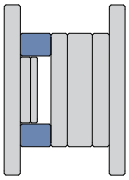


## TP

3035-S-TP.Mat

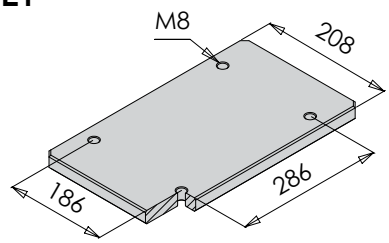



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | ● | | ● | | ● | | | | | |
| 2085 | | | | | | | | | ● | | ● | | ● | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
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| STAVAX | | | | | | | | | | | | | | | | | | |

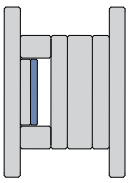


## UL1

3035-S-UL1.Mat

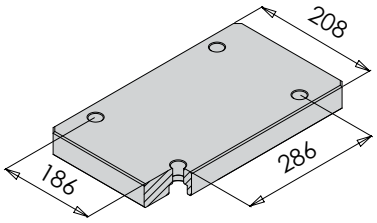



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
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| 1730 | | | | ● | | | | | | | | | | | | | | |
| 2085 | | | | ● | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
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| STAVAX | | | | | | | | | | | | | | | | | | |

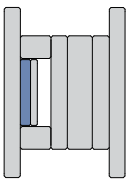


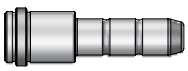
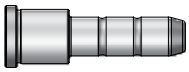
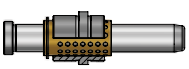
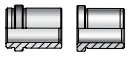
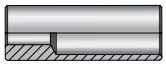
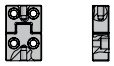
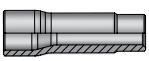
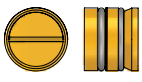
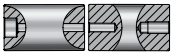
## UL2

3035-S-UL2.Mat




| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | | | | | | | | | | | | | |
| 2085 | | | | | ● | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
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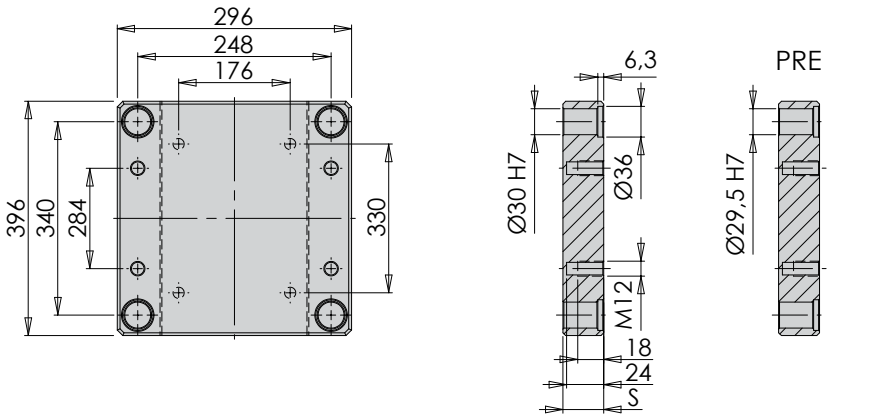



Z1010 - p.128 
Z1020 - p.130 
Z1030 - p.132 
Z1040 - p.132 
Z1080 - p.133 
Z1100 - p.134 
Z1210 - p.135 
Z1250 - p.136 
Z1410 - p.137 
Z1610 - p.138 
Z1810 - p.139 
Z2010 - p.140 
Z2210/11 - p.141 
Z2240 - p.142 
Z2251 - p.143 
Z2320 - p.144 
Z2610 - p.145 
Z2820 - p.146 
Z3010 - p.148 
Z3030 - p.148 
Z3040 - p.149 
Z3050 - p.151 
Z3060 - p.152 
Z3070 - p.153 
Z3080 - p.155 
Z3090 - p.156 
Z3100 - p.157 
Z4057 - p.160 

# 296 x 396

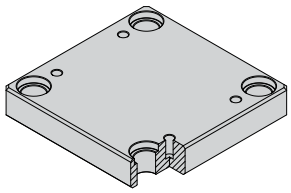
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



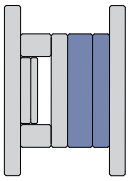

## ML

3040-S-ML.Mat



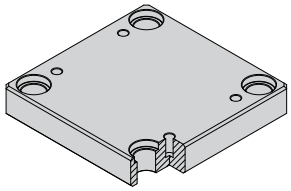
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2085 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2312 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



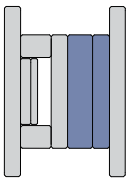
## ML - PRE

3040-S-ML.Mat.PRE



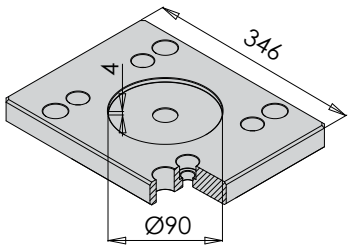
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2312 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

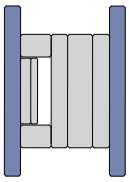


## KL 1

3040-S-KL1.Mat

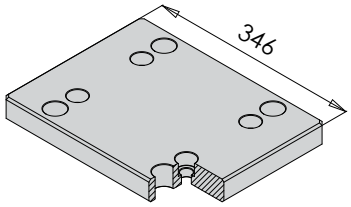



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

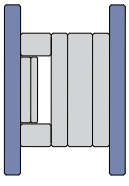


## KL 5

3040-S-KL5.Mat

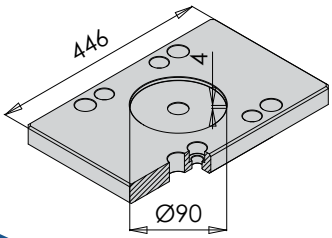



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

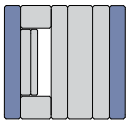


## KL 2

3040-S-KL2.Mat

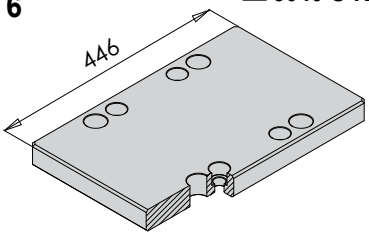



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

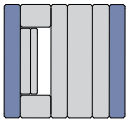


## KL 6

3040-S-KL6.Mat

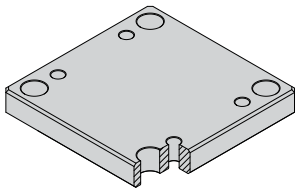



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

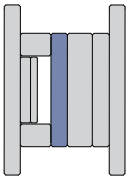


## TL

3040-S-TL.Mat

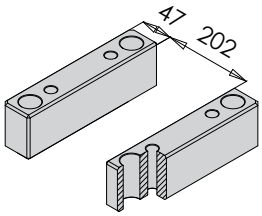


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2085 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

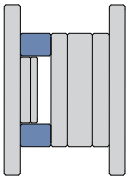


## TP

3040-S-TP.Mat

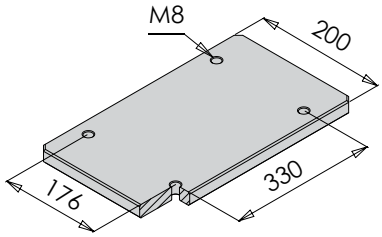



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | ● | | ● | | ● | | | | | |
| 2085 | | | | | | | | | ● | | ● | | ● | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

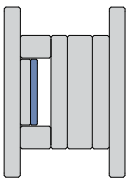


## UL1

3040-S-UL1.Mat

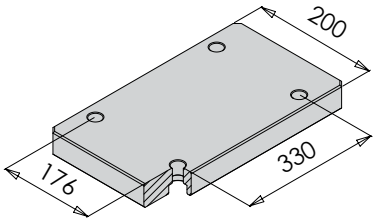



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | | | | | | | | | | | | | | |
| 2085 | | | | ● | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

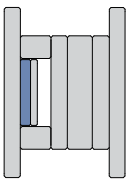


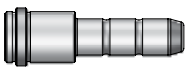
## UL2

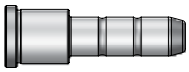
3040-S-UL2.Mat




| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | | | | | | | | | | | | | |
| 2085 | | | | | ● | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

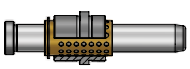


Z1010 - p.128


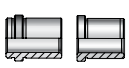
Z1020 - p.130


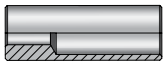
Z1030 - p.132


Z1040 - p.132

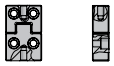

Z1080 - p.133


Z1100 - p.134


Z1210 - p.135


Z1250 - p.136


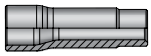
Z1410 - p.137

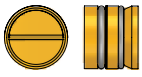

Z1610 - p.138


Z1810 - p.139

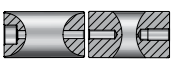

Z2010 - p.140


Z2210/11 - p.141


Z2240 - p.142


Z2251 - p.143


Z2320 - p.144


Z2610 - p.145


Z2820 - p.146


Z3010 - p.148


Z3030 - p.148

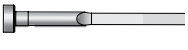

Z3040 - p.149


Z3050 - p.151


Z3060 - p.152


Z3070 - p.153


Z3080 - p.155


Z3090 - p.156


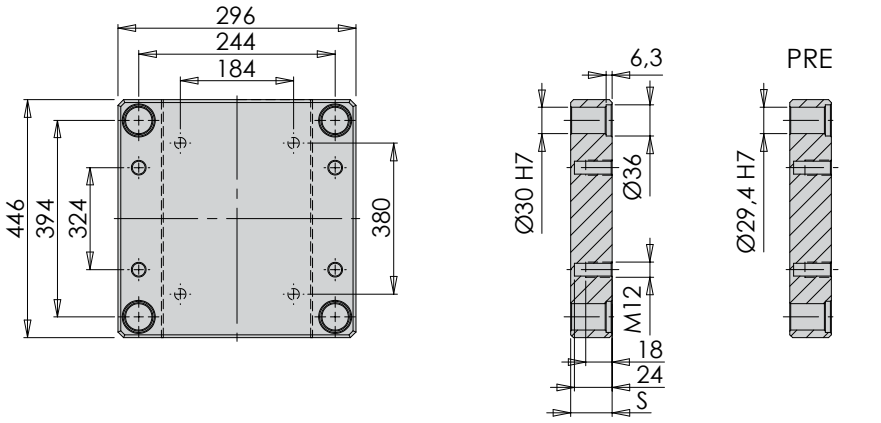
Z3100 - p.157


Z4057 - p.160


# 296 x 446

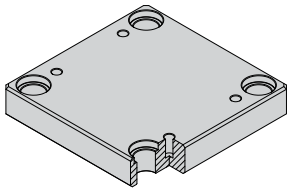
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



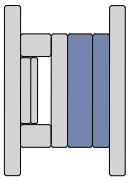

## ML

3045-S-ML.Mat



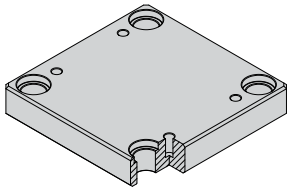
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



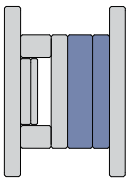
## ML - PRE

3045-S-ML.Mat.PRE



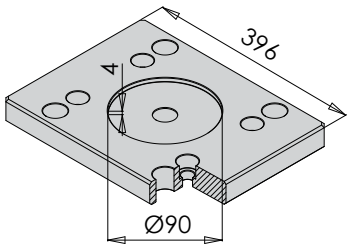
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

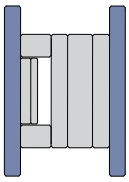


## KL 1

3045-S-KL1.Mat

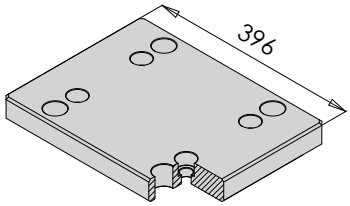



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

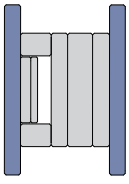


## KL 5

3045-S-KL5.Mat

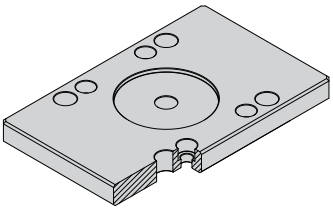



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

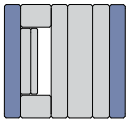


## KL 2

3045-S-KL2.Mat

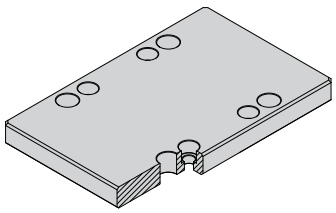


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

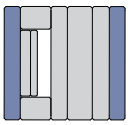


## KL 6

3045-S-KL6.Mat

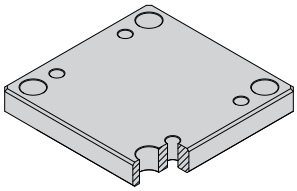


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

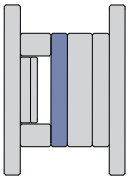


## TL

3045-S-TL.Mat

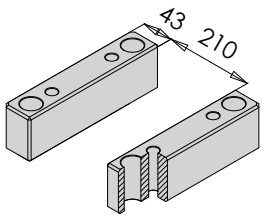


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

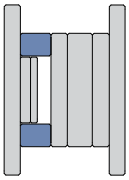


## TP

3045-S-TP.Mat

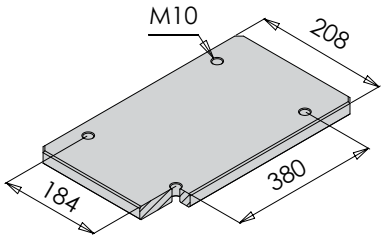



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | ● | | ● | | ● | | | | | |
| 2085 | | | | | | | | | ● | | ● | | ● | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

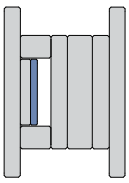


## UL1

3045-S-UL1.Mat

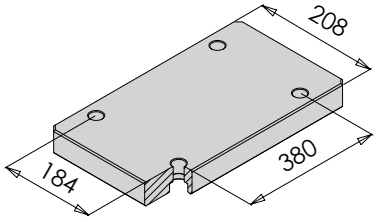



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | | | | | | | | | | | | | | |
| 2085 | | | | ● | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

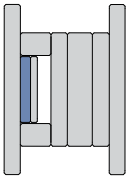


## UL2

3045-S-UL2.Mat




| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | | | | | | | | | | | | | |
| 2085 | | | | | ● | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
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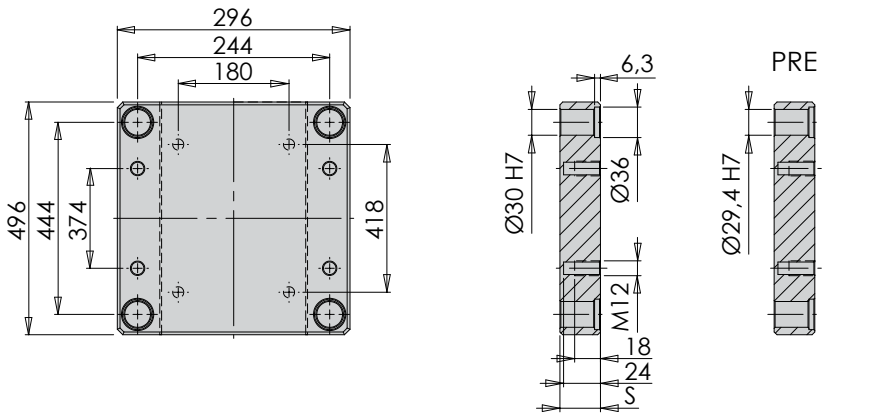


Z1010 - p.128
Z1020 - p.130
Z1030 - p.132
Z1040 - p.132
Z1080 - p.133
Z1100 - p.134
Z1210 - p.135
Z1250 - p.136
Z1410 - p.137
Z1610 - p.138
Z1810 - p.139
Z2010 - p.140
Z2210/11 - p.141
Z2240 - p.142
Z2251 - p.143
Z2320 - p.144
Z2610 - p.145
Z2820 - p.146
Z3010 - p.148
Z3030 - p.148
Z3040 - p.149
Z3050 - p.151
Z3060 - p.152
Z3070 - p.153
Z3080 - p.155
Z3090 - p.156
Z3100 - p.157
Z4057 - p.160

# 296 x 496

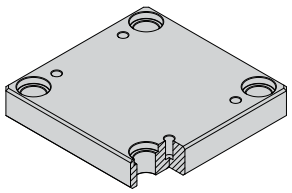
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



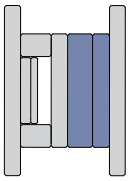

## ML

3050-S-ML.Mat



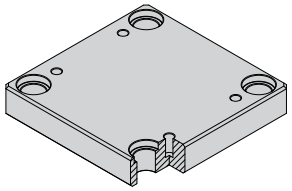
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



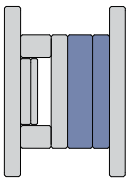
## ML - PRE

3050-S-ML.Mat.PRE



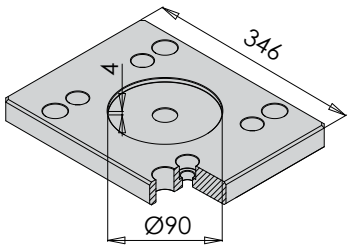
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

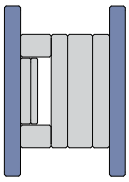


## KL 1

3050-S-KL1.Mat

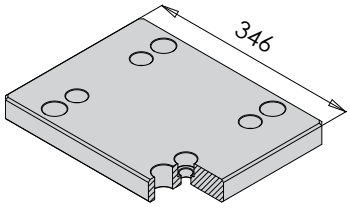



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

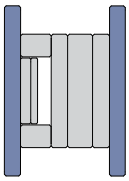


## KL 5

3050-S-KL5.Mat

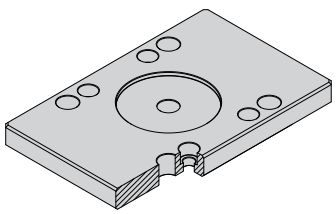



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

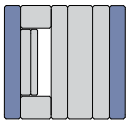


## KL 2

3050-S-KL2.Mat

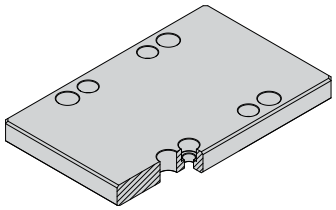


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
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| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

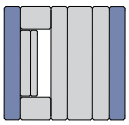


## KL 6

3050-S-KL6.Mat

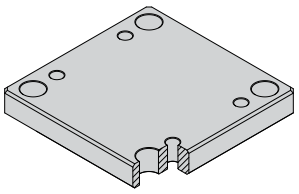


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

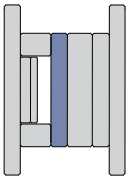


## TL

3050-S-TL.Mat

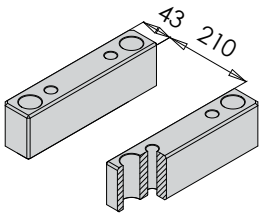


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

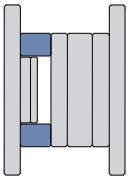


## TP

3050-S-TP.Mat

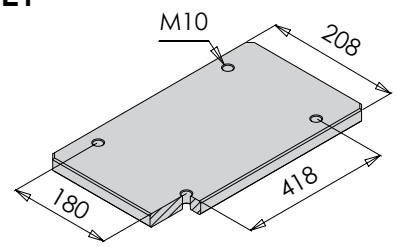



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | ● | | ● | | ● | | | | | |
| 2085 | | | | | | | | | ● | | ● | | ● | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

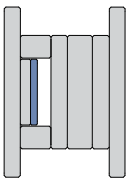


## UL1

3050-S-UL1.Mat

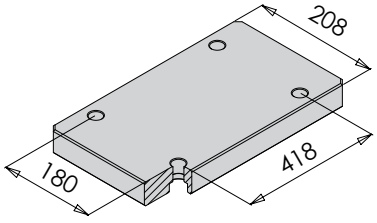



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | | | | | | | | | | | | | | |
| 2085 | | | | ● | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

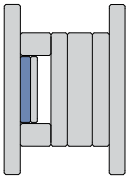


## UL2

3050-S-UL2.Mat




| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | | | | | | | | | | | | | |
| 2085 | | | | | ● | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

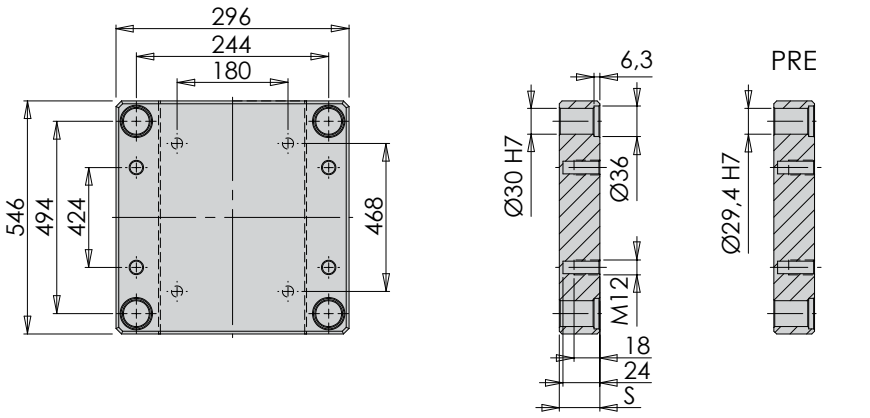


Z1010 - p.128
Z1020 - p.130
Z1030 - p.132
Z1040 - p.132
Z1080 - p.133
Z1100 - p.134
Z1210 - p.135
Z1250 - p.136
Z1410 - p.137
Z1610 - p.138
Z1810 - p.139
Z2010 - p.140
Z2210/11 - p.141
Z2240 - p.142
Z2251 - p.143
Z2320 - p.144
Z2610 - p.145
Z2820 - p.146
Z3010 - p.148
Z3030 - p.148
Z3040 - p.149
Z3050 - p.151
Z3060 - p.152
Z3070 - p.153
Z3080 - p.155
Z3090 - p.156
Z3100 - p.157
Z4057 - p.160

# 296 x 546

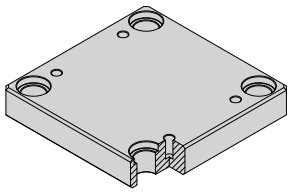
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



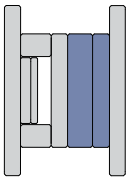

## ML

3055-S-ML.Mat



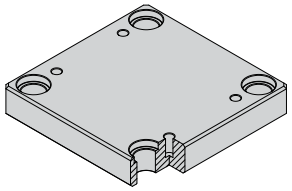
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



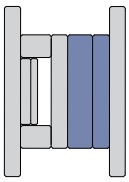
## ML - PRE

3055-S-ML.Mat.PRE



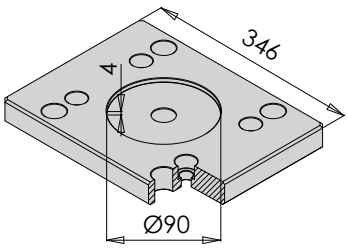
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

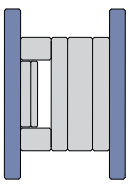


## KL 1

3055-S-KL1.Mat

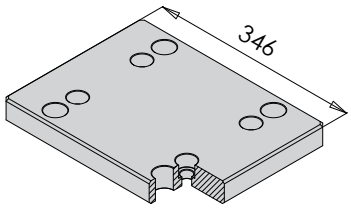



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

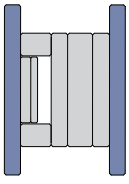


## KL 5

3055-S-KL5.Mat

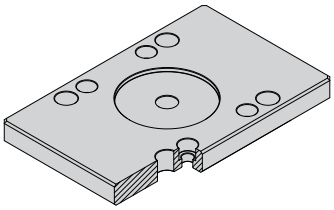



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

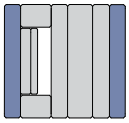


## KL 2

3055-S-KL2.Mat

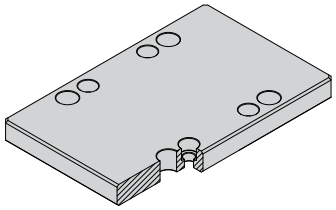


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

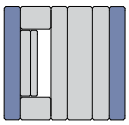


## KL 6

3055-S-KL6.Mat

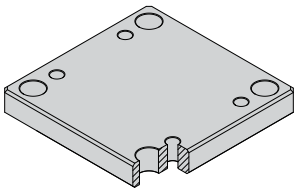


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

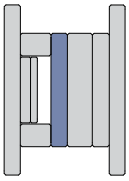


## TL

3055-S-TL.Mat

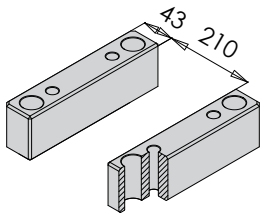


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

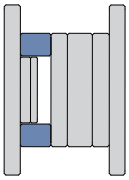


## TP

3055-S-TP.Mat

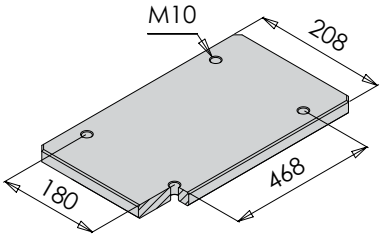



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | ● | | ● | | ● | | | | | |
| 2085 | | | | | | | | | ● | | ● | | ● | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

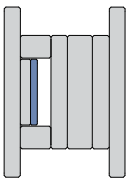


## UL1

3055-S-UL1.Mat

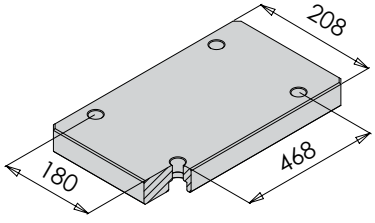



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | | | | | | | | | | | | | | |
| 2085 | | | | ● | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

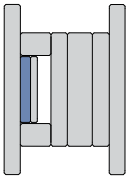


## UL2

3055-S-UL2.Mat




| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | | | | | | | | | | | | | |
| 2085 | | | | | ● | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

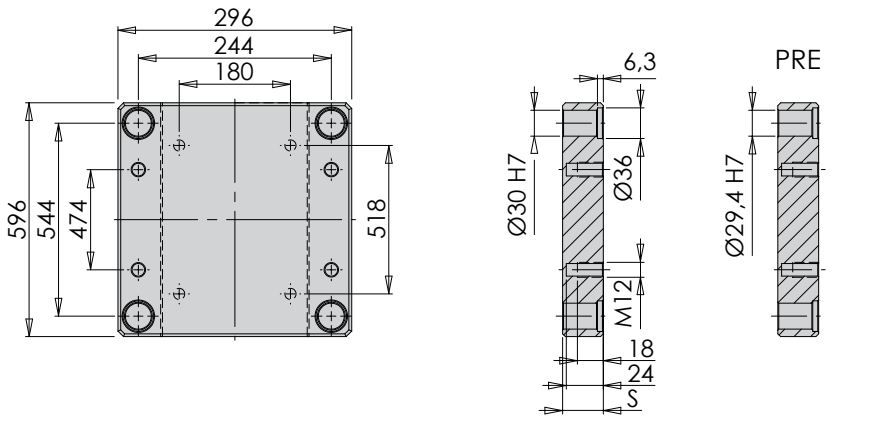


Z1010 - p.128 | Z1020 - p.130 | Z1030 - p.132 | Z1040 - p.132 | Z1080 - p.133 | Z1100 - p.134 | Z1210 - p.135
Z1250 - p.136 | Z1410 - p.137 | Z1610 - p.138 | Z1810 - p.139 | Z2010 - p.140 | Z2210/11 - p.141 | Z2240 - p.142
Z2251 - p.143 | Z2320 - p.144 | Z2610 - p.145 | Z2820 - p.146 | Z3010 - p.148 | Z3030 - p.148 | Z3040 - p.149
Z3050 - p.151 | Z3060 - p.152 | Z3070 - p.153 | Z3080 - p.155 | Z3090 - p.156 | Z3100 - p.157 | Z4057 - p.160

# 296 x 596

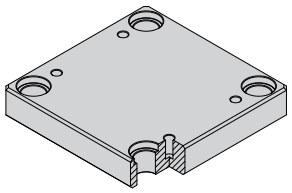
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



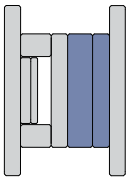

## ML

3060-S-ML.Mat



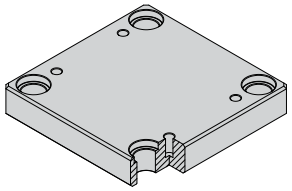
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



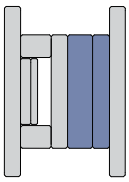
## ML - PRE

3060-S-ML.Mat.PRE



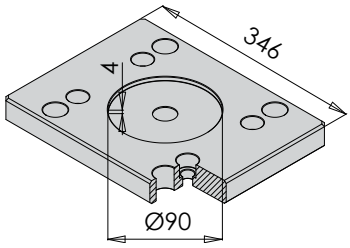
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

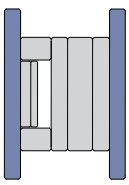


## KL 1

3060-S-KL1.Mat

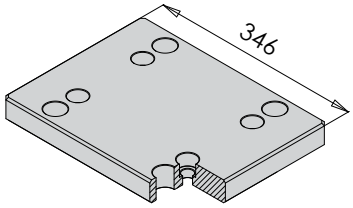



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

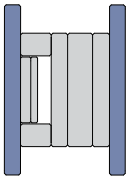


## KL 5

3060-S-KL5.Mat

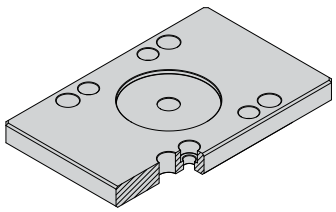



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

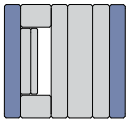


## KL 2

3060-S-KL2.Mat

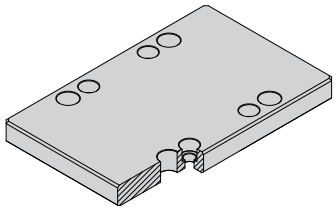


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

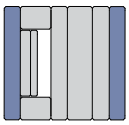


## KL 6

3060-S-KL6.Mat

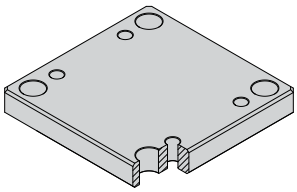


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

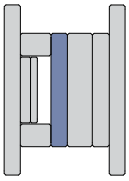


## TL

3060-S-TL.Mat

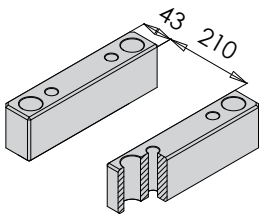


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

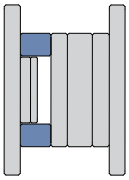


## TP

3060-S-TP.Mat

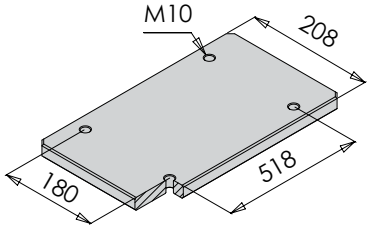



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | ● | | ● | ● | | | | |
| 2085 | | | | | | | | | | | ● | | ● | ● | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

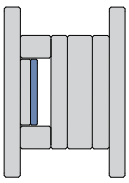


## UL1

3060-S-UL1.Mat

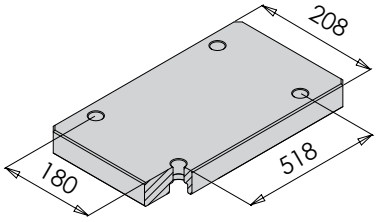



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | | | | | | | | | | | | | |
| 2085 | | | | | ● | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

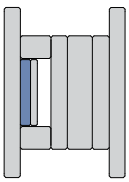


## UL2

3060-S-UL2.Mat




| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | | | | | | | | | | | | |
| 2085 | | | | | | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

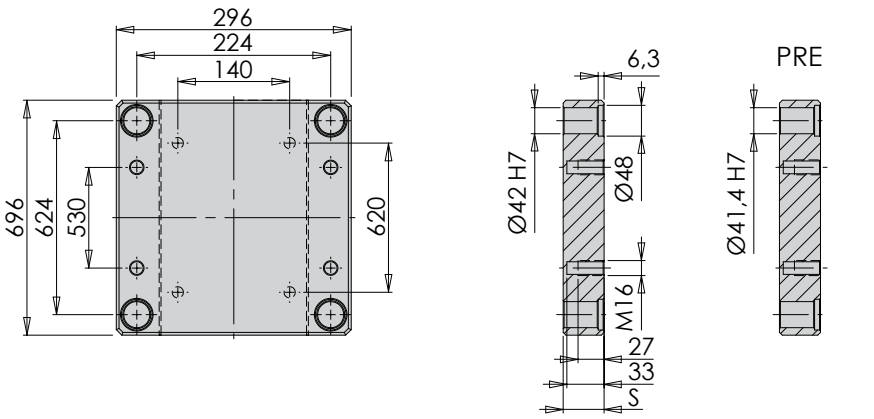


Z1010 - p.128
Z1020 - p.130
Z1030 - p.132
Z1040 - p.132
Z1080 - p.133
Z1100 - p.134
Z1210 - p.135
Z1250 - p.136
Z1410 - p.137
Z1610 - p.138
Z1810 - p.139
Z2010 - p.140
Z2210/11 - p.141
Z2240 - p.142
Z2251 - p.143
Z2320 - p.144
Z2610 - p.145
Z2820 - p.146
Z3010 - p.148
Z3030 - p.148
Z3040 - p.149
Z3050 - p.151
Z3060 - p.152
Z3070 - p.153
Z3080 - p.155
Z3090 - p.156
Z3100 - p.157
Z4057 - p.160

# 296 x 696

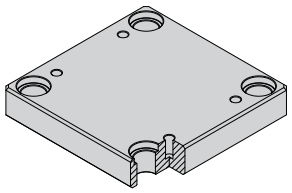
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

● = *Standardivalikoima*
● = *Standard assortment*
● = *Стандартные диапазон*



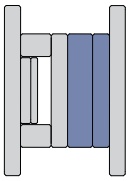

## ML

3070-S-ML.Mat



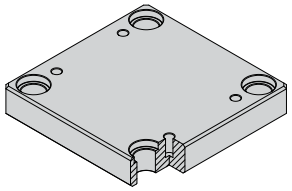
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



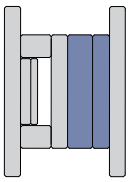
## ML - PRE

3070-S-ML.Mat.PRE



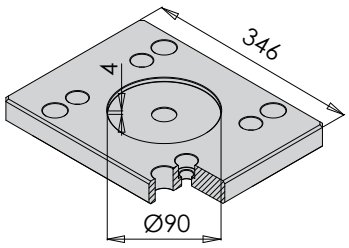
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

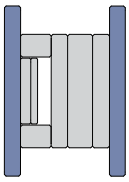


## KL 1

3070-S-KL1.Mat

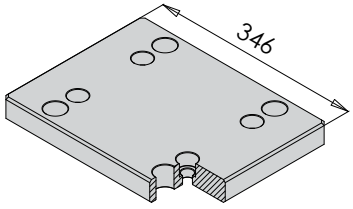



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

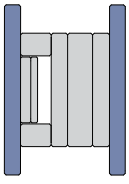


## KL 5

3070-S-KL5.Mat

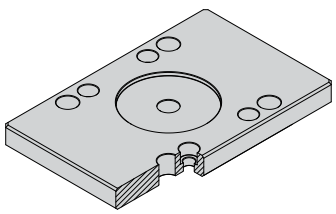



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

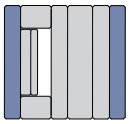


## KL 2

3070-S-KL2.Mat

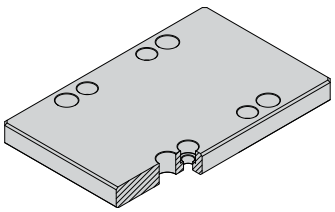


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

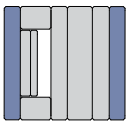


## KL 6

3070-S-KL6.Mat

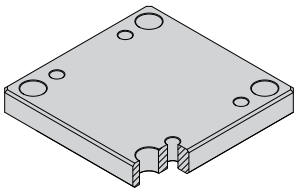


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

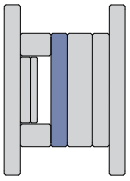


## TL

3070-S-TL.Mat

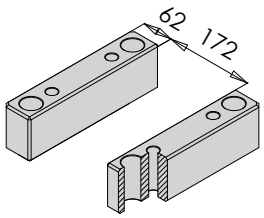


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

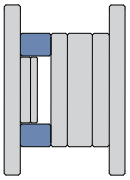


## TP

3070-S-TP.Mat

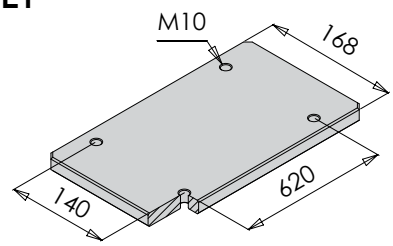



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | ● | ● | ● | ● | ● | | | |
| 2085 | | | | | | | | | | | ● | ● | ● | ● | ● | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

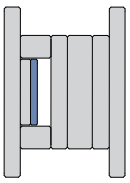


## UL1

3070-S-UL1.Mat

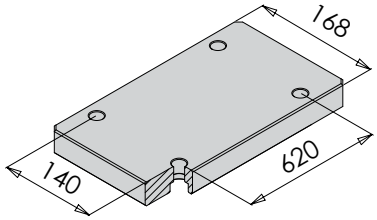



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | | | | | | | | | | | | | |
| 2085 | | | | | ● | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

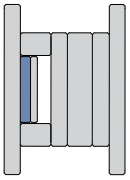


## UL2

3070-S-UL2.Mat




| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | | | | | | | | | | | | |
| 2085 | | | | | | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

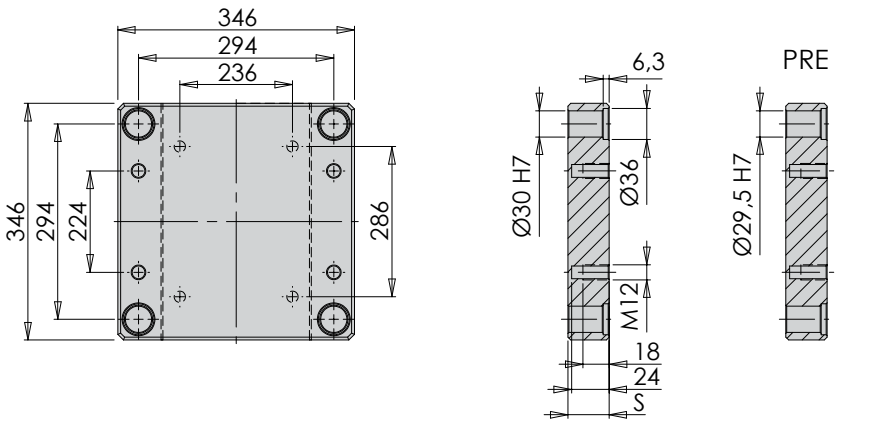


Z1010 - p.128 | Z1020 - p.130 | Z1030 - p.132 | Z1040 - p.132 | Z1080 - p.133 | Z1100 - p.134 | Z1210 - p.135
Z1250 - p.136 | Z1410 - p.137 | Z1610 - p.138 | Z1810 - p.139 | Z2010 - p.140 | Z2210/11 - p.141 | Z2240 - p.142
Z2251 - p.143 | Z2320 - p.144 | Z2610 - p.145 | Z2820 - p.146 | Z3010 - p.148 | Z3030 - p.148 | Z3040 - p.149
Z3050 - p.151 | Z3060 - p.152 | Z3070 - p.153 | Z3080 - p.155 | Z3090 - p.156 | Z3100 - p.157 | Z4057 - p.160

# 346 x 346

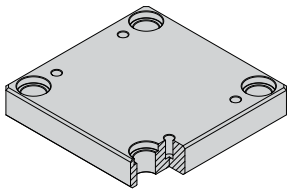
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



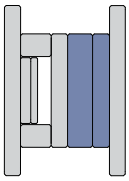

## ML

3535-S-ML.Mat



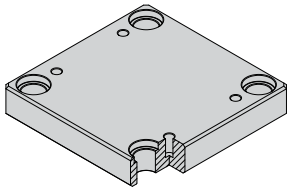
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



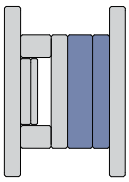
## ML - PRE

3535-S-ML.Mat.PRE



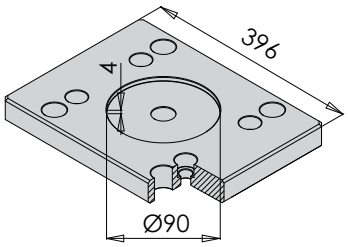
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

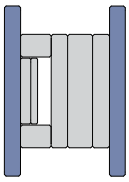


## KL 1

3535-S-KL1.Mat

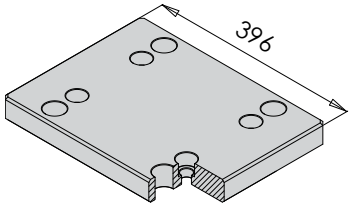



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
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| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

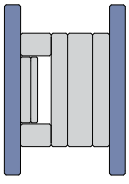


## KL 5

3535-S-KL5.Mat

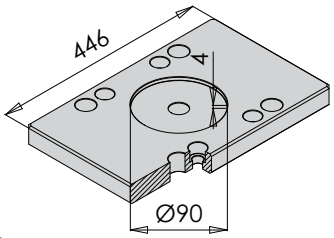



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

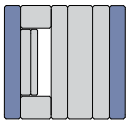


## KL 2

3535-S-KL2.Mat

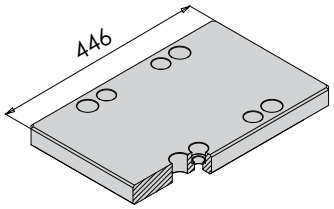



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

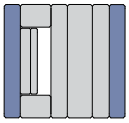


## KL 6

3535-S-KL6.Mat

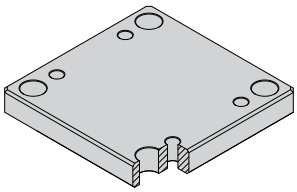



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

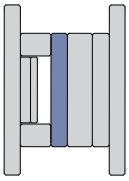


## TL

3535-S-TL.Mat

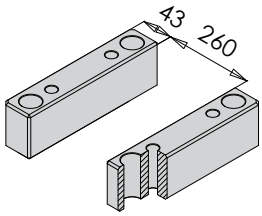


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

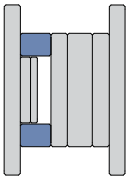


## TP

3535-S-TP.Mat

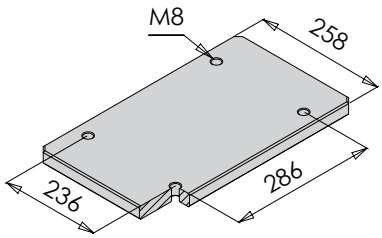



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | ● | | ● | | ● | | | | | |
| 2085 | | | | | | | | | ● | | ● | | ● | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

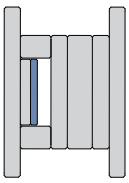


## UL1

3535-S-UL1.Mat

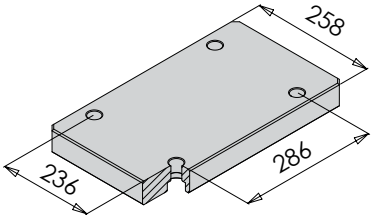



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | | | | | | | | | | | | | | |
| 2085 | | | | ● | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

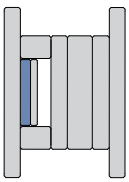


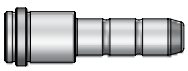
## UL2

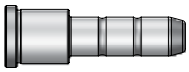
3535-S-UL2.Mat




| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | | | | | | | | | | | | | |
| 2085 | | | | | ● | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

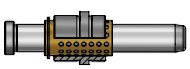


Z1010 - p.128


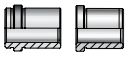
Z1020 - p.130


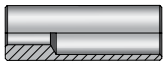
Z1030 - p.132


Z1040 - p.132

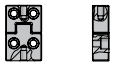

Z1080 - p.133


Z1100 - p.134


Z1210 - p.135


Z1250 - p.136


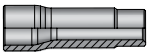
Z1410 - p.137


Z1610 - p.138


Z1810 - p.139

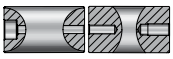

Z2010 - p.140


Z2210/11 - p.141


Z2240 - p.142


Z2251 - p.143


Z2320 - p.144


Z2610 - p.145


Z2820 - p.146


Z3010 - p.148


Z3030 - p.148


Z3040 - p.149


Z3050 - p.151


Z3060 - p.152


Z3070 - p.153


Z3080 - p.155


Z3090 - p.156

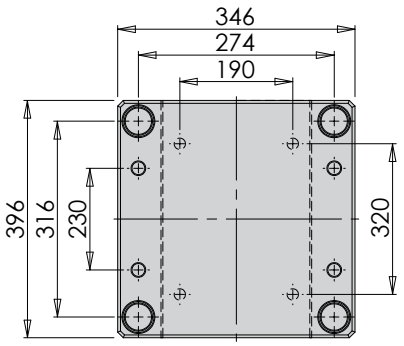

Z3100 - p.157

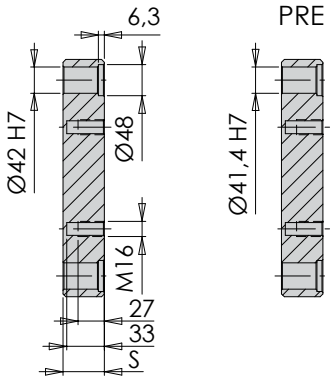

Z4057 - p.160


# 346 x 396

*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

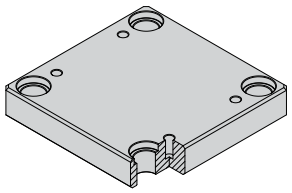
- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



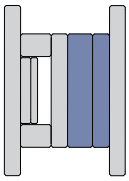

## ML

3540-S-ML.Mat



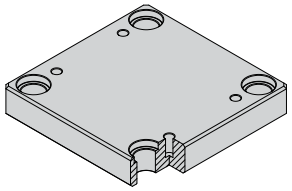
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



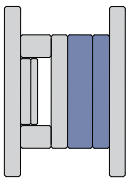
## ML - PRE

3540-S-ML.Mat.PRE



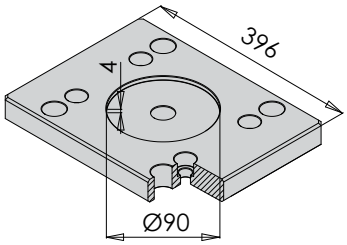
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

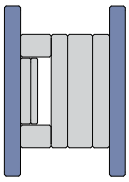


## KL 1

3540-S-KL1.Mat

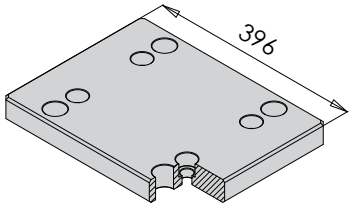



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

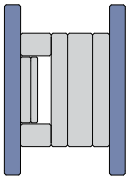


## KL 5

3540-S-KL5.Mat

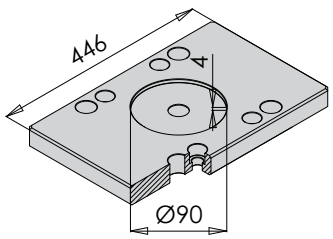



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

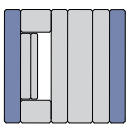


## KL 2

3540-S-KL2.Mat

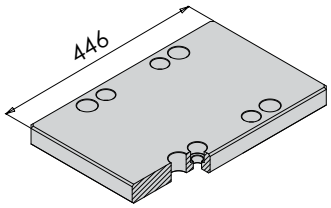



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | | | | | | | | | | |
| 2085 | | | | | | ● | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

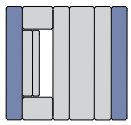


## KL 6

3540-S-KL6.Mat

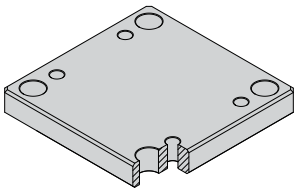



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | | | | | | | | | | |
| 2085 | | | | | | ● | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

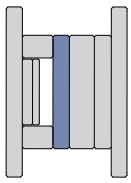


## TL

3540-S-TL.Mat

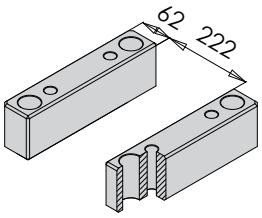


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

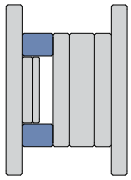


## TP

3540-S-TP.Mat

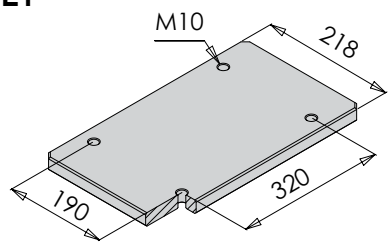



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | ● | ● | ● | ● | ● | ● | | | | |
| 2085 | | | | | | | | | ● | ● | ● | ● | ● | ● | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

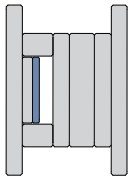


## UL1

3540-S-UL1.Mat

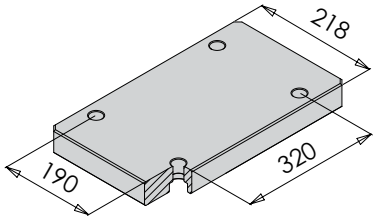



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | | | | | | | | | | | | | | |
| 2085 | | | | ● | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

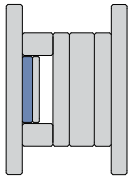


## UL2

3540-S-UL2.Mat




| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | | | | | | | | | | | | | |
| 2085 | | | | | ● | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
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| STAVAX | | | | | | | | | | | | | | | | | | |

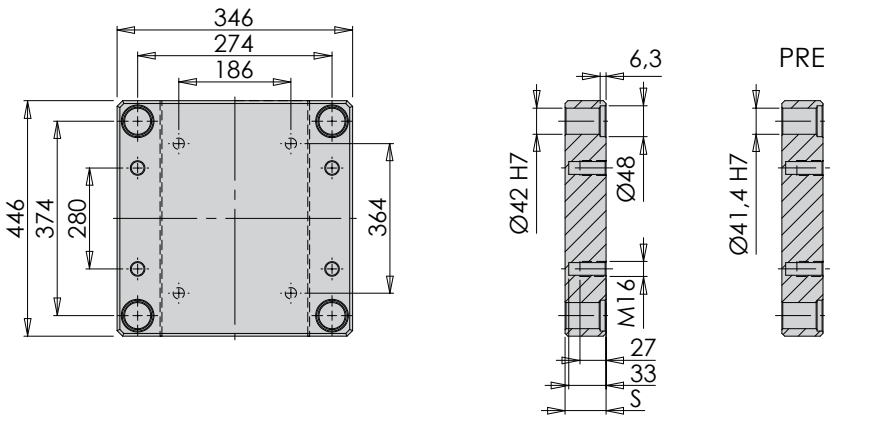


Z1010 - p.128 | Z1020 - p.130 | Z1030 - p.132 | Z1040 - p.132 | Z1080 - p.133 | Z1100 - p.134 | Z1210 - p.135
Z1250 - p.136 | Z1410 - p.137 | Z1610 - p.138 | Z1810 - p.139 | Z2010 - p.140 | Z2210/11 - p.141 | Z2240 - p.142
Z2251 - p.143 | Z2320 - p.144 | Z2610 - p.145 | Z2820 - p.146 | Z3010 - p.148 | Z3030 - p.148 | Z3040 - p.149
Z3050 - p.151 | Z3060 - p.152 | Z3070 - p.153 | Z3080 - p.155 | Z3090 - p.156 | Z3100 - p.157 | Z4057 - p.160

# 346 x 446

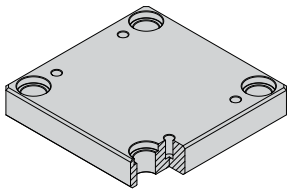
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



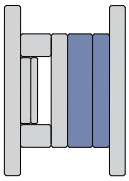

## ML

3545-S-ML.Mat



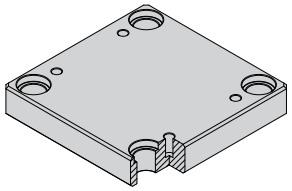
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



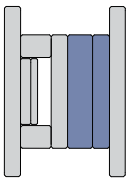
## ML - PRE

3545-S-ML.Mat.PRE



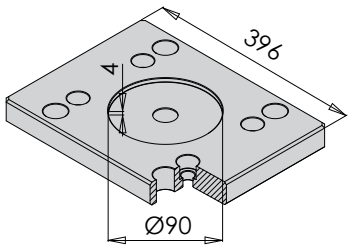
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

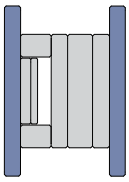


## KL 1

3545-S-KL1.Mat

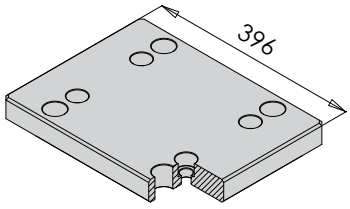



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

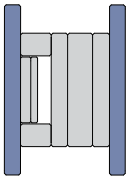


## KL 5

3545-S-KL5.Mat

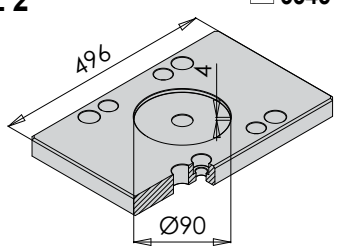



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

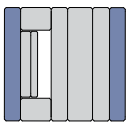


## KL 2

3545-S-KL2.Mat

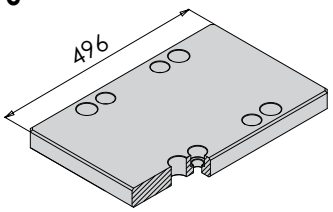



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | | | | | | | | | | |
| 2085 | | | | | | ● | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

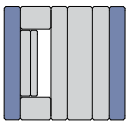


## KL 6

3545-S-KL6.Mat

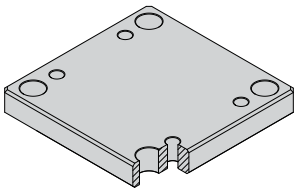



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | | | | | | | | | | |
| 2085 | | | | | | ● | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

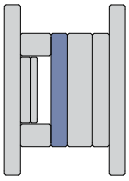


## TL

3545-S-TL.Mat

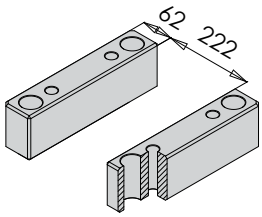


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

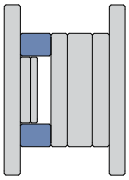


## TP

3545-S-TP.Mat

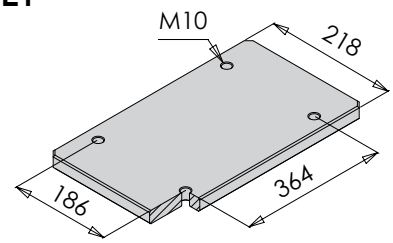



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | | | |
| 2085 | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

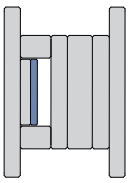


## UL1

3545-S-UL1.Mat

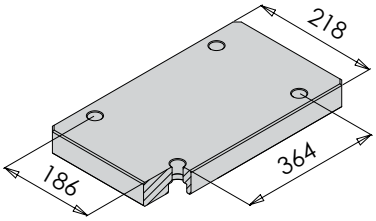



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | | | | | | | | | | | | | | |
| 2085 | | | | ● | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

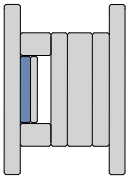


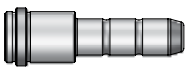
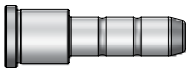
## UL2

3545-S-UL2.Mat

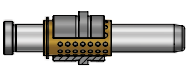


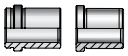
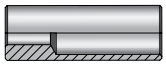

| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | | | | | | | | | | | | | |
| 2085 | | | | | ● | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

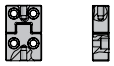


Z1010 - p.128

Z1020 - p.130

Z1030 - p.132

Z1040 - p.132

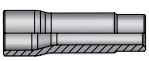
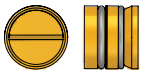
Z1080 - p.133

Z1100 - p.134

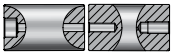
Z1210 - p.135

Z1250 - p.136

Z1410 - p.137

Z1610 - p.138

Z1810 - p.139

Z2010 - p.140

Z2210/11 - p.141

Z2240 - p.142

Z2251 - p.143

Z2320 - p.144

Z2610 - p.145

Z2820 - p.146

Z3010 - p.148

Z3030 - p.148

Z3040 - p.149

Z3050 - p.151

Z3060 - p.152

Z3070 - p.153

Z3080 - p.155

Z3090 - p.156

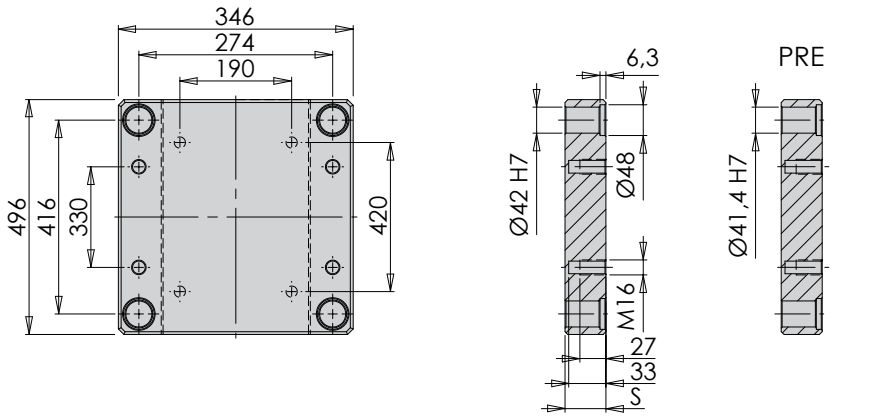
Z3100 - p.157

Z4057 - p.160


# 346 x 496

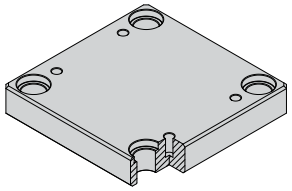
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



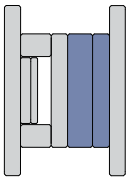

## ML

3550-S-ML.Mat



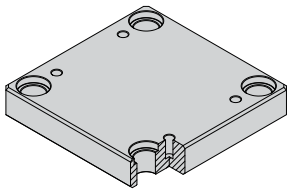
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



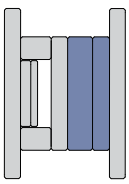
## ML - PRE

3550-S-ML.Mat.PRE



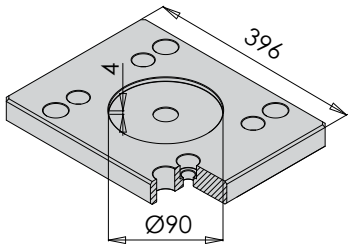
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

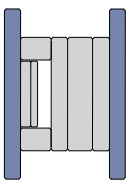


## KL 1

3550-S-KL1.Mat

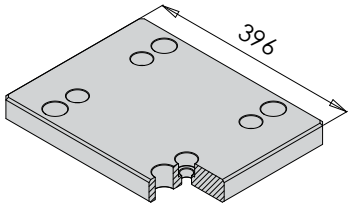



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

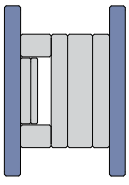


## KL 5

3550-S-KL5.Mat

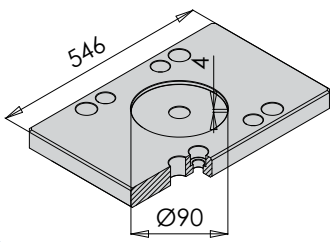



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

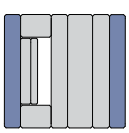


## KL 2

3550-S-KL2.Mat

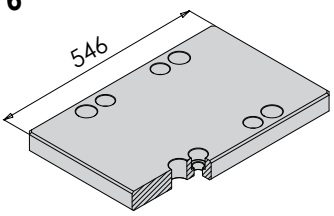



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | | | | | | | | | | |
| 2085 | | | | | | ● | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

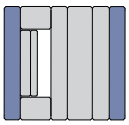


## KL 6

3550-S-KL6.Mat

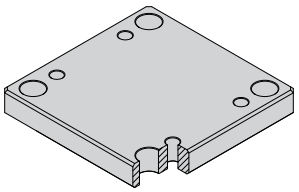



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | | | | | | | | | | |
| 2085 | | | | | | ● | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

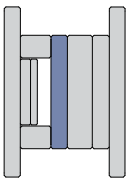


## TL

3550-S-TL.Mat

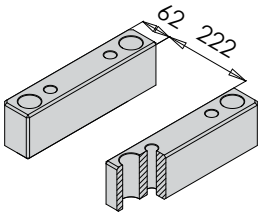


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

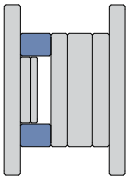


## TP

3550-S-TP.Mat

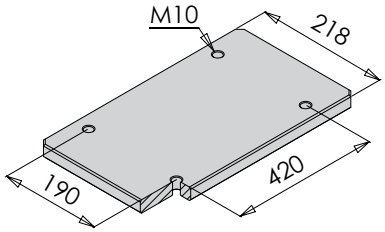



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | | | |
| 2085 | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

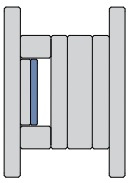


## UL1

3550-S-UL1.Mat

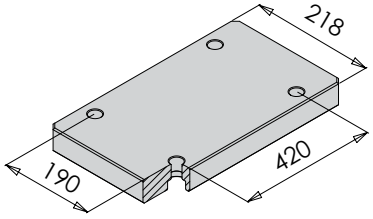



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | | | | | | | | | | | | | | |
| 2085 | | | | ● | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

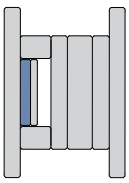


## UL2

3550-S-UL2.Mat




| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | | | | | | | | | | | | | |
| 2085 | | | | | ● | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

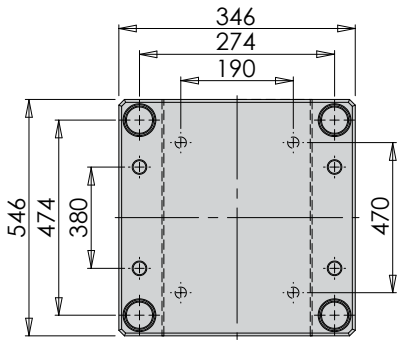


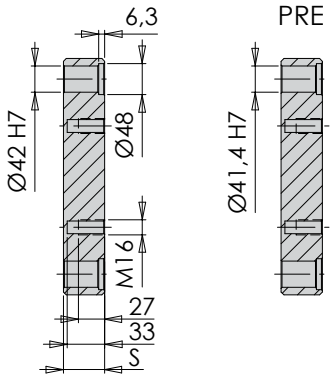
Z1010 - p.128 | Z1020 - p.130 | Z1030 - p.132 | Z1040 - p.132 | Z1080 - p.133 | Z1100 - p.134 | Z1210 - p.135
Z1250 - p.136 | Z1410 - p.137 | Z1610 - p.138 | Z1810 - p.139 | Z2010 - p.140 | Z2210/11 - p.141 | Z2240 - p.142
Z2251 - p.143 | Z2320 - p.144 | Z2610 - p.145 | Z2820 - p.146 | Z3010 - p.148 | Z3030 - p.148 | Z3040 - p.149
Z3050 - p.151 | Z3060 - p.152 | Z3070 - p.153 | Z3080 - p.155 | Z3090 - p.156 | Z3100 - p.157 | Z4057 - p.160

# 346 x 546

*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

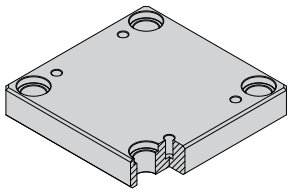
- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



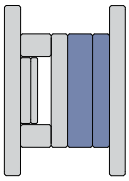

## ML

3555-S-ML.Mat



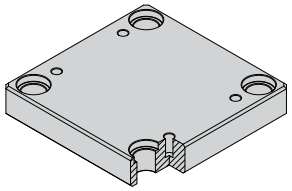
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



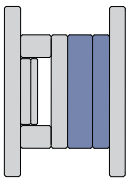
## ML - PRE

3555-S-ML.Mat.PRE



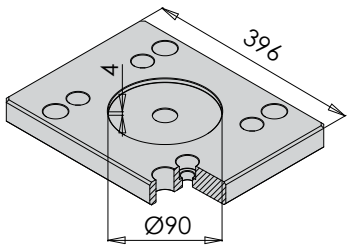
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

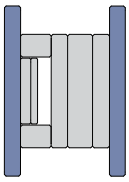


## KL 1

3555-S-KL1.Mat

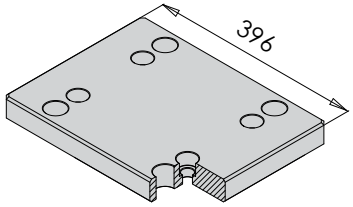



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

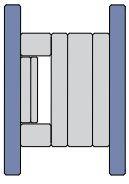


## KL 5

3555-S-KL5.Mat

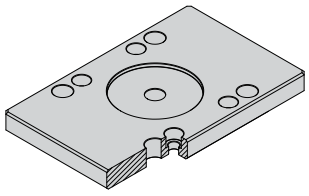



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

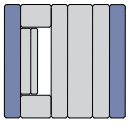


## KL 2

3555-S-KL2.Mat

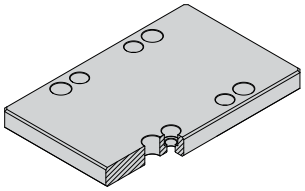


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

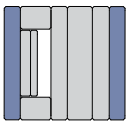


## KL 6

3555-S-KL6.Mat

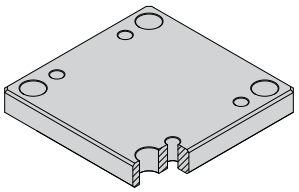


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

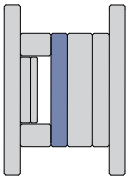


## TL

3555-S-TL.Mat

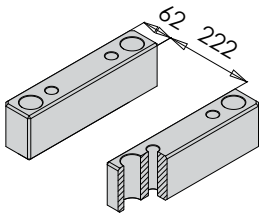


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

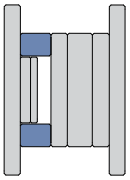


## TP

3555-S-TP.Mat

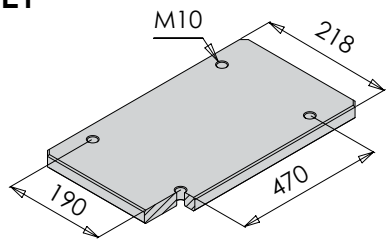



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | ● | ● | ● | ● | ● | ● | | | |
| 2085 | | | | | | | | | | ● | ● | ● | ● | ● | ● | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

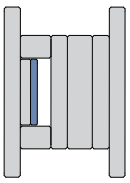


## UL1

3555-S-UL1.Mat

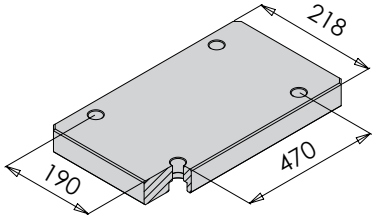



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | | | | | | | | | | | | | | |
| 2085 | | | | ● | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

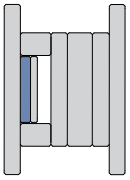


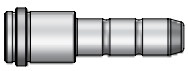
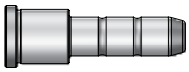
## UL2

3555-S-UL2.Mat

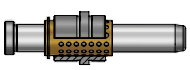


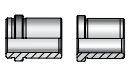
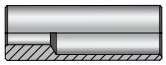

| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | | | | | | | | | | | | | |
| 2085 | | | | | ● | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

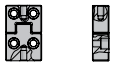


Z1010 - p.128

Z1020 - p.130

Z1030 - p.132

Z1040 - p.132

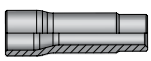
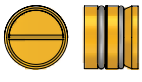
Z1080 - p.133

Z1100 - p.134

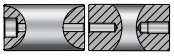
Z1210 - p.135

Z1250 - p.136

Z1410 - p.137

Z1610 - p.138

Z1810 - p.139

Z2010 - p.140

Z2210/11 - p.141

Z2240 - p.142

Z2251 - p.143

Z2320 - p.144

Z2610 - p.145

Z2820 - p.146

Z3010 - p.148

Z3030 - p.148

Z3040 - p.149

Z3050 - p.151

Z3060 - p.152

Z3070 - p.153

Z3080 - p.155

Z3090 - p.156

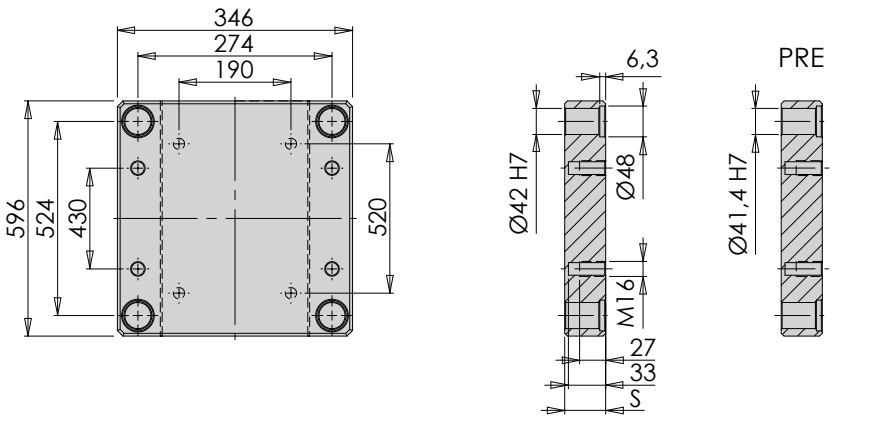
Z3100 - p.157

Z4057 - p.160


# 346 x 596

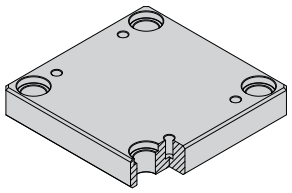
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



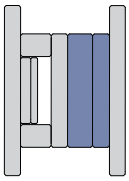

## ML

3560-S-ML.Mat



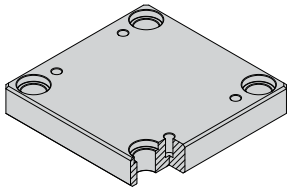
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



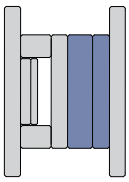
## ML - PRE

3560-S-ML.Mat.PRE



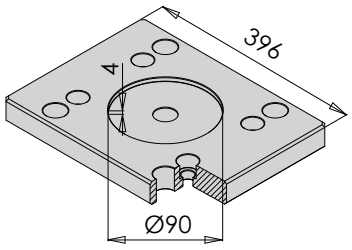
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

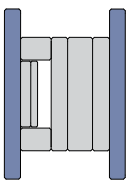


## KL 1

3560-S-KL1.Mat

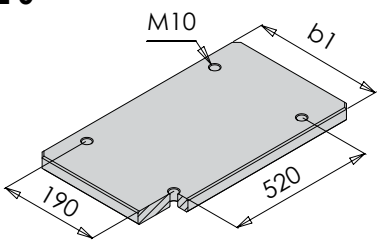



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

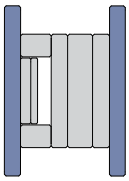


## KL 5

3560-S-KL5.Mat

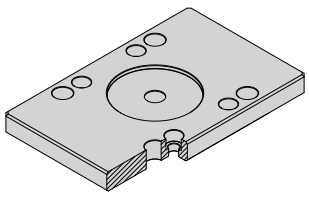



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

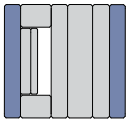


## KL 2

3560-S-KL2.Mat

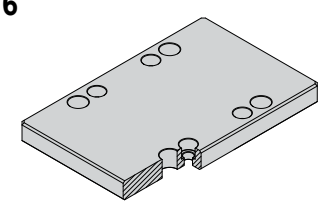


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

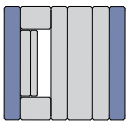


## KL 6

3560-S-KL6.Mat

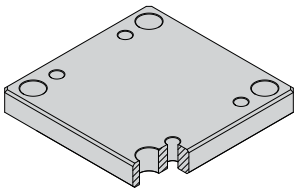


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

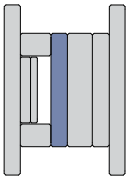


## TL

3560-S-TL.Mat

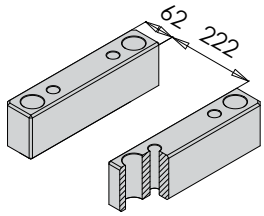


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

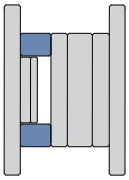


## TP

3560-S-TP.Mat

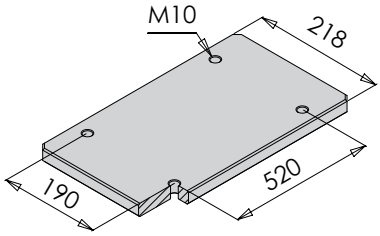



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | ● | ● | ● | ● | ● | ● | | | |
| 2085 | | | | | | | | | | ● | ● | ● | ● | ● | ● | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

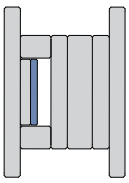


## UL1

3560-S-UL1.Mat

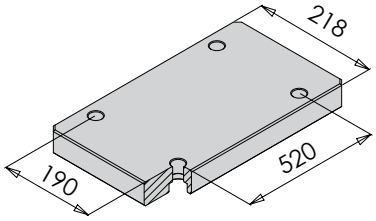



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | | | | | | | | | | | | | |
| 2085 | | | | | ● | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

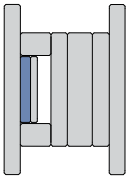


## UL2

3560-S-UL2.Mat




| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | | | | | | | | | | | | |
| 2085 | | | | | | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

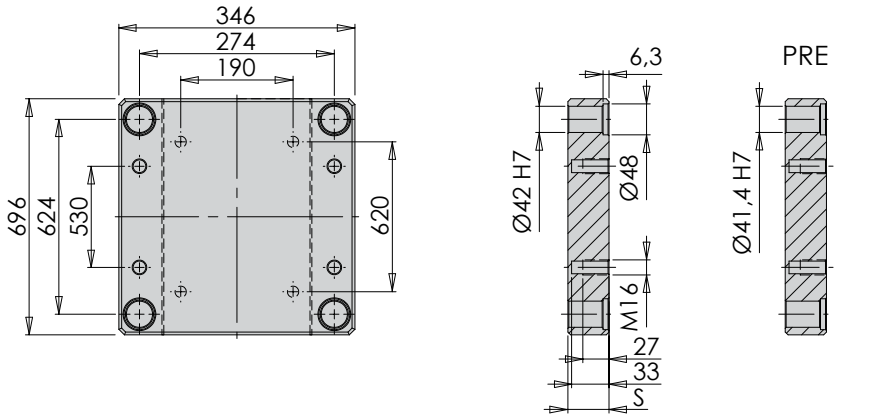


Z1010 - p.128
Z1020 - p.130
Z1030 - p.132
Z1040 - p.132
Z1080 - p.133
Z1100 - p.134
Z1210 - p.135
Z1250 - p.136
Z1410 - p.137
Z1610 - p.138
Z1810 - p.139
Z2010 - p.140
Z2210/11 - p.141
Z2240 - p.142
Z2251 - p.143
Z2320 - p.144
Z2610 - p.145
Z2820 - p.146
Z3010 - p.148
Z3030 - p.148
Z3040 - p.149
Z3050 - p.151
Z3060 - p.152
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Z3080 - p.155
Z3090 - p.156
Z3100 - p.157
Z4057 - p.160

# 346 x 696

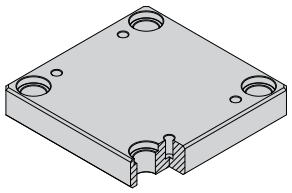
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



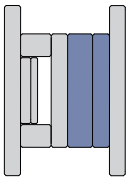

## ML

3570-S-ML.Mat



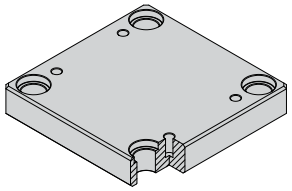
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2085 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2312 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



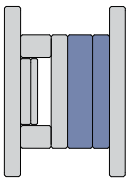
## ML - PRE

3570-S-ML.Mat.PRE



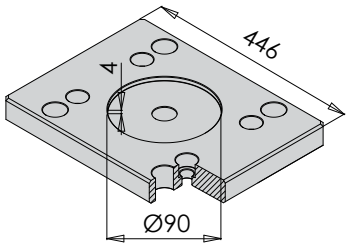
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2312 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

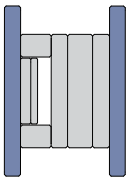


## KL 1

3570-S-KL1.Mat

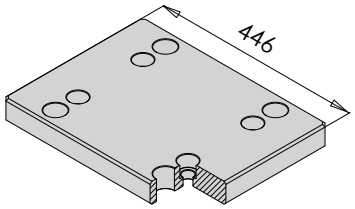



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

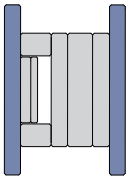


## KL 5

3570-S-KL5.Mat

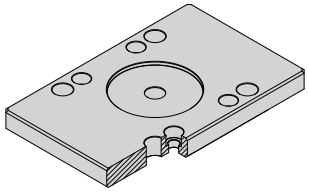



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

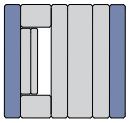


## KL 2

3570-S-KL2.Mat

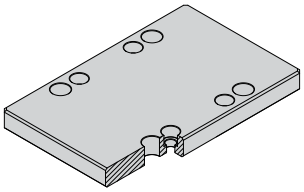


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

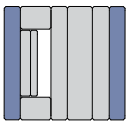


## KL 6

3570-S-KL6.Mat

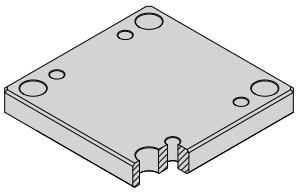


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

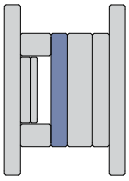


## TL

3570-S-TL.Mat

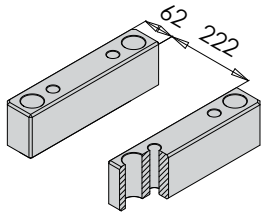


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2085 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

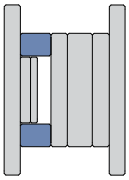


## TP

3570-S-TP.Mat

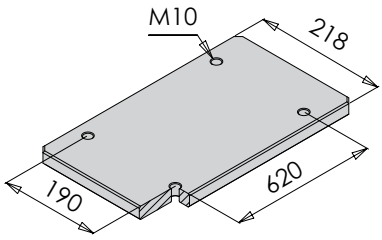



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | ● | ● | ● | ● | ● | | | |
| 2085 | | | | | | | | | | | ● | ● | ● | ● | ● | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

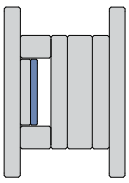


## UL1

3570-S-UL1.Mat

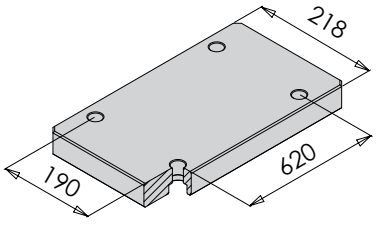



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | | | | | | | | | | | | | |
| 2085 | | | | | ● | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

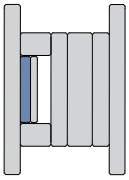


## UL2

3570-S-UL2.Mat




| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | | | | | | | | | | | | |
| 2085 | | | | | | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

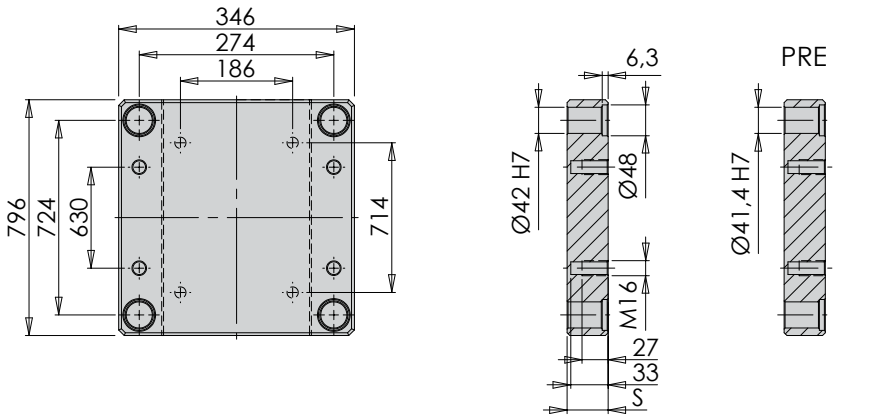



| | | | | | | |
|---|---|---|---|---|---|---|
| Z1010 - p.128 | Z1020 - p.130 | Z1030 - p.132 | Z1040 - p.132 | Z1080 - p.133 | Z1100 - p.134 | Z1210 - p.135 |
| Z1250 - p.136 | Z1410 - p.137 | Z1610 - p.138 | Z1810 - p.139 | Z2010 - p.140 | Z2210/11 - p.141 | Z2240 - p.142 |
| Z2251 - p.143 | Z2320 - p.144 | Z2610 - p.145 | Z2820 - p.146 | Z3010 - p.148 | Z3030 - p.148 | Z3040 - p.149 |
| Z3050 - p.151 | Z3060 - p.152 | Z3070 - p.153 | Z3080 - p.155 | Z3090 - p.156 | Z3100 - p.157 | Z4057 - p.160 |

# 346 x 796

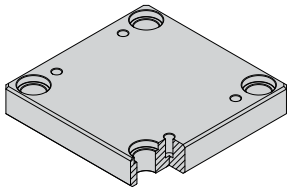
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



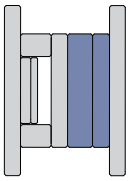

## ML

3580-S-ML.Mat



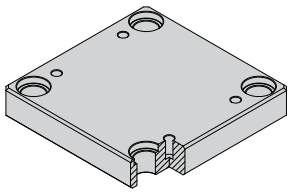
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2085 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2312 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



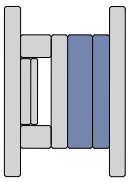
## ML - PRE

3580-S-ML.Mat.PRE



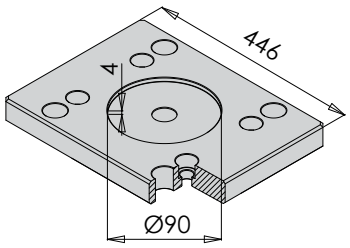
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2312 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

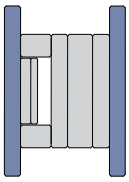


## KL 1

3580-S-KL1.Mat

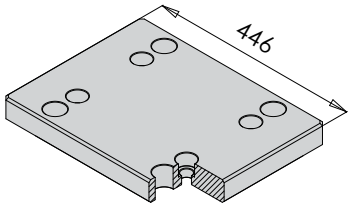



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

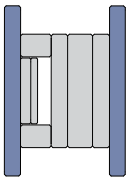


## KL 5

3580-S-KL5.Mat

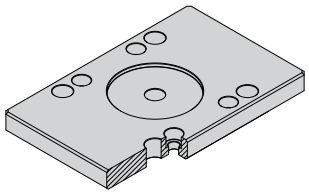



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

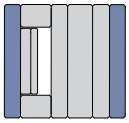


## KL 2

3580-S-KL2.Mat

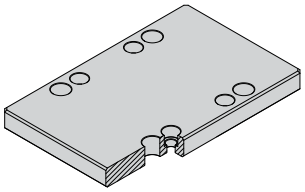


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

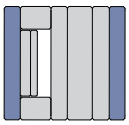


## KL 6

3580-S-KL6.Mat

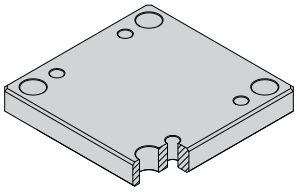


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

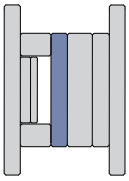


## TL

3580-S-TL.Mat

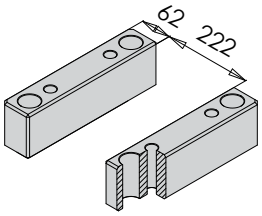


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2085 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

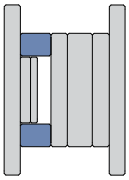


## TP

3580-S-TP.Mat

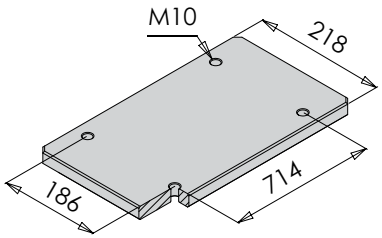



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | ● | ● | ● | ● | ● | | |
| 2085 | | | | | | | | | | | | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

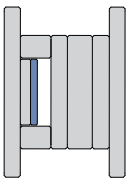


## UL1

3580-S-UL1.Mat

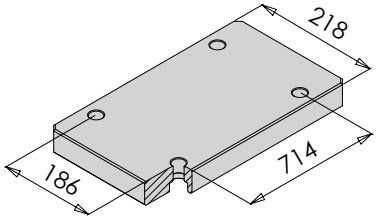



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | | | | | | | | | | | | | |
| 2085 | | | | | ● | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

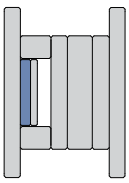


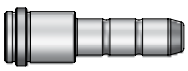
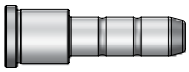
## UL2

3580-S-UL2.Mat

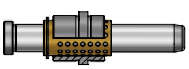


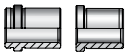
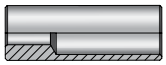

| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | | | | | | | | | | | | |
| 2085 | | | | | | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

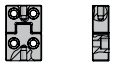


Z1010 - p.128

Z1020 - p.130

Z1030 - p.132

Z1040 - p.132

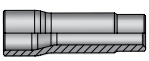
Z1080 - p.133

Z1100 - p.134

Z1210 - p.135

Z1250 - p.136

Z1410 - p.137

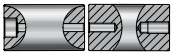
Z1610 - p.138

Z1810 - p.139

Z2010 - p.140

Z2210/11 - p.141

Z2240 - p.142

Z2251 - p.143

Z2320 - p.144

Z2610 - p.145

Z2820 - p.146

Z3010 - p.148

Z3030 - p.148

Z3040 - p.149

Z3050 - p.151

Z3060 - p.152

Z3070 - p.153

Z3080 - p.155

Z3090 - p.156

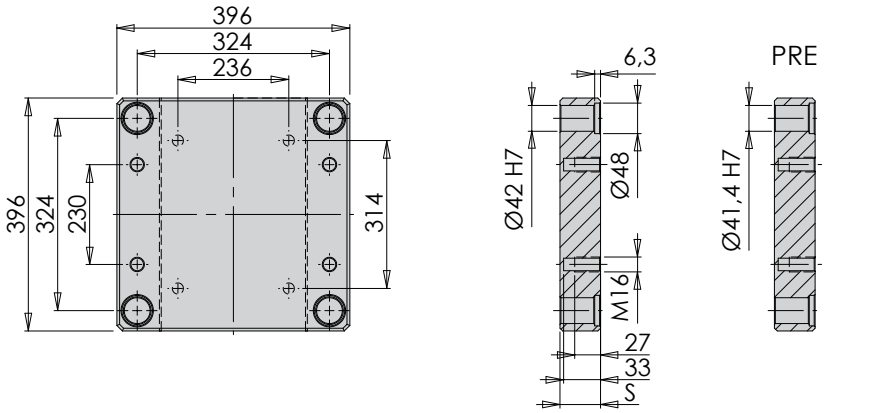
Z3100 - p.157

Z4057 - p.160


# 396 x 396

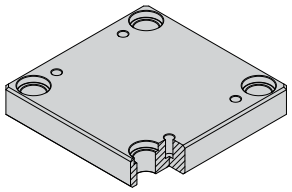
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



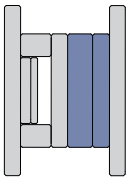

## ML

4040-S-ML.Mat



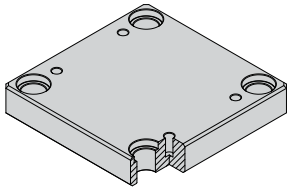
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



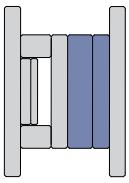
## ML - PRE

4040-S-ML.Mat.PRE



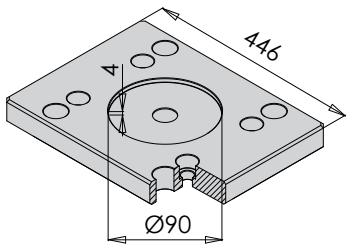
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

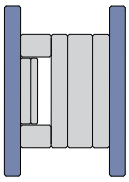


## KL 1

4040-S-KL1.Mat

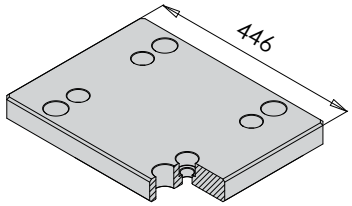



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | | | | | | | | | | |
| 2085 | | | | | | ● | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

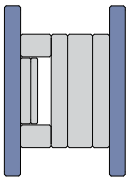


## KL 5

4040-S-KL5.Mat

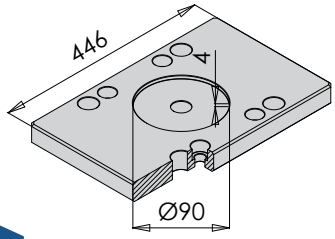



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | | | | | | | | | | |
| 2085 | | | | | | ● | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

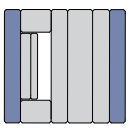


## KL 2

4040-S-KL2.Mat

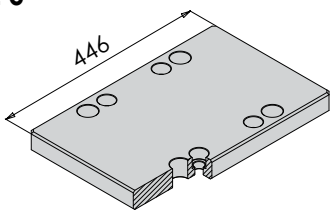



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

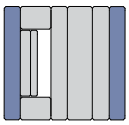


## KL 6

4040-S-KL6.Mat

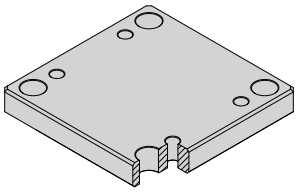



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

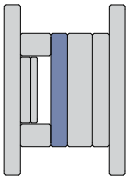


## TL

4040-S-TL.Mat

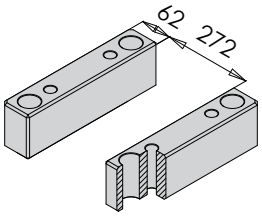


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

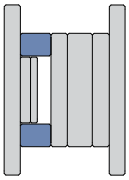


## TP

4040-S-TP.Mat

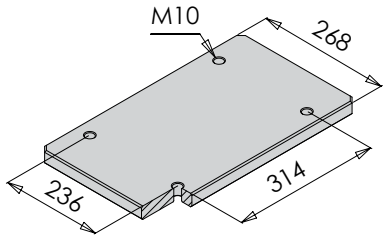



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | ● | ● | ● | ● | ● | ● | | | | |
| 2085 | | | | | | | | | ● | ● | ● | ● | ● | ● | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

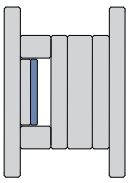


## UL1

4040-S-UL1.Mat

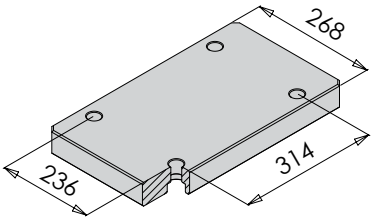



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | | | | | | | | | | | | | | |
| 2085 | | | | ● | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

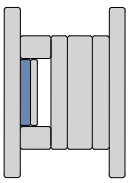


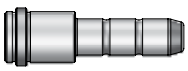
## UL2

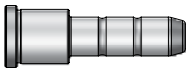
4040-S-UL2.Mat




| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | | | | | | | | | | | | | |
| 2085 | | | | | ● | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

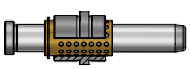


Z1010 - p.128


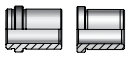
Z1020 - p.130


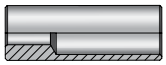
Z1030 - p.132


Z1040 - p.132

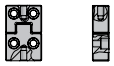

Z1080 - p.133


Z1100 - p.134


Z1210 - p.135


Z1250 - p.136


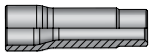
Z1410 - p.137

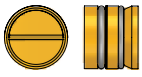

Z1610 - p.138


Z1810 - p.139

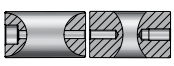

Z2010 - p.140


Z2210/11 - p.141


Z2240 - p.142


Z2251 - p.143


Z2320 - p.144


Z2610 - p.145


Z2820 - p.146


Z3010 - p.148


Z3030 - p.148


Z3040 - p.149


Z3050 - p.151


Z3060 - p.152


Z3070 - p.153


Z3080 - p.155


Z3090 - p.156

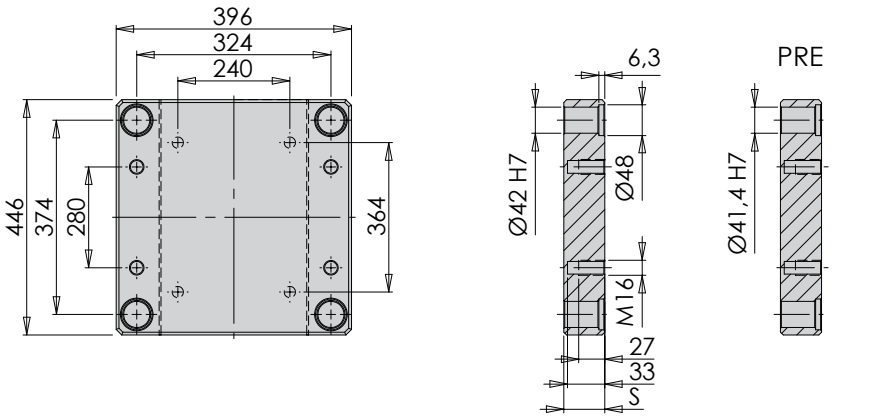

Z3100 - p.157


Z4057 - p.160


# 396 x 446

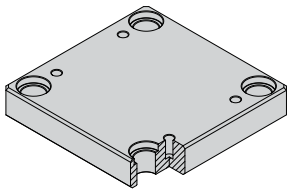
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



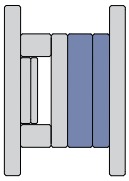

## ML

4045-S-ML.Mat



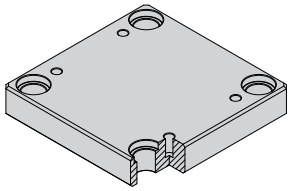
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



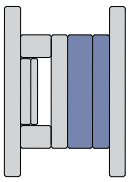
## ML - PRE

4045-S-ML.Mat.PRE



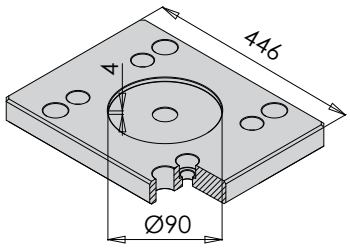
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

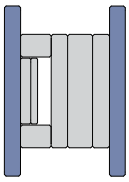


## KL 1

4045-S-KL1.Mat

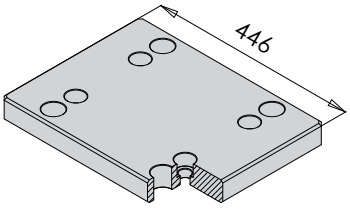



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | | | | | | | | | | |
| 2085 | | | | | | ● | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

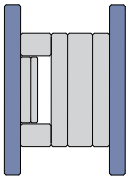


## KL 5

4045-S-KL5.Mat

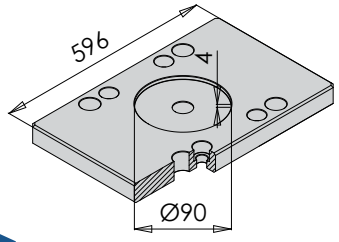



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | | | | | | | | | | |
| 2085 | | | | | | ● | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

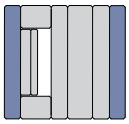


## KL 2

4045-S-KL2.Mat

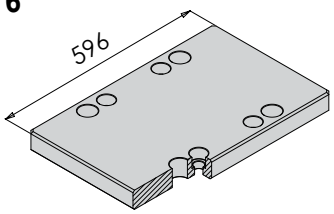



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

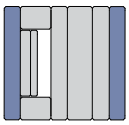


## KL 6

4045-S-KL6.Mat

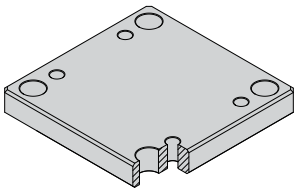



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

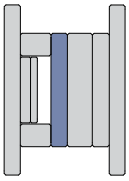


## TL

4045-S-TL.Mat

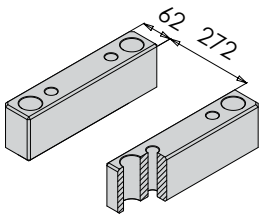


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

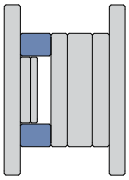


## TP

4045-S-TP.Mat

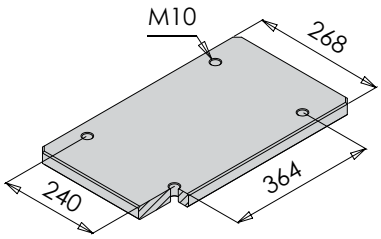



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | | | |
| 2085 | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

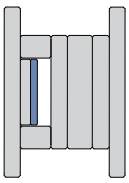


## UL1

4045-S-UL1.Mat

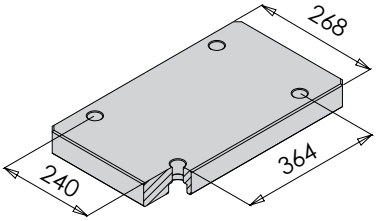



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | | | | | | | | | | | | | | |
| 2085 | | | | ● | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

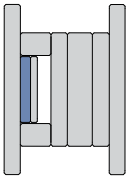


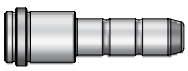
## UL2

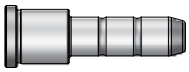
4045-S-UL2.Mat




| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | | | | | | | | | | | | | |
| 2085 | | | | | ● | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

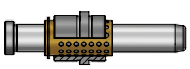


Z1010 - p.128


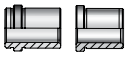
Z1020 - p.130


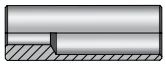
Z1030 - p.132


Z1040 - p.132

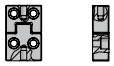

Z1080 - p.133


Z1100 - p.134


Z1210 - p.135


Z1250 - p.136


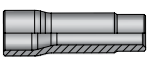
Z1410 - p.137

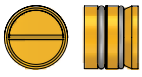

Z1610 - p.138


Z1810 - p.139

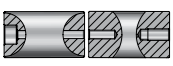

Z2010 - p.140


Z2210/11 - p.141


Z2240 - p.142


Z2251 - p.143


Z2320 - p.144


Z2610 - p.145


Z2820 - p.146


Z3010 - p.148


Z3030 - p.148

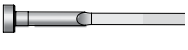

Z3040 - p.149


Z3050 - p.151


Z3060 - p.152


Z3070 - p.153


Z3080 - p.155


Z3090 - p.156


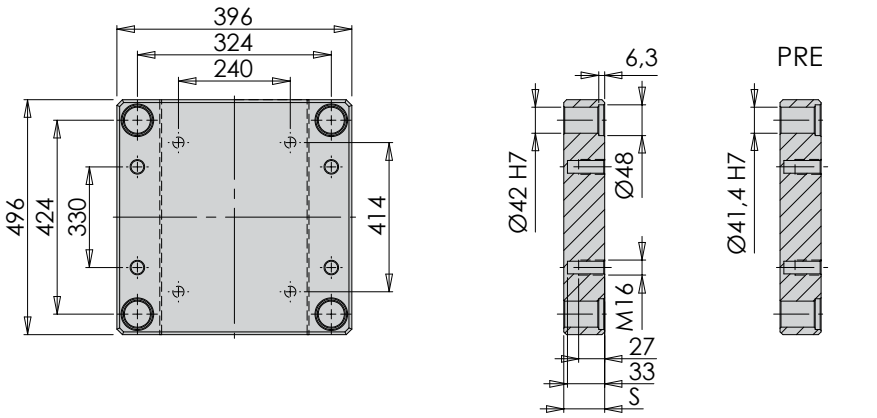
Z3100 - p.157


Z4057 - p.160


# 396 x 496

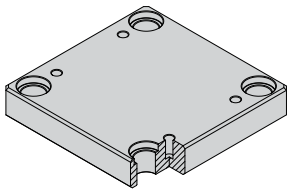
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



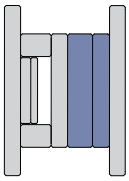

## ML

4050-S-ML.Mat



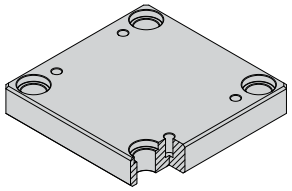
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



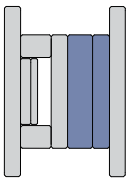
## ML - PRE

4050-S-ML.Mat.PRE



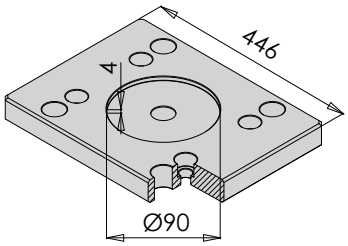
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

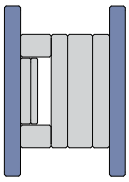


## KL 1

4050-S-KL1.Mat

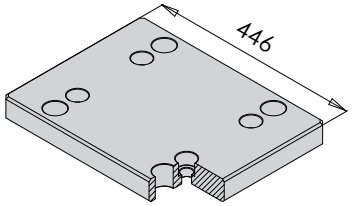



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

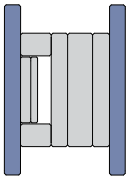


## KL 5

4050-S-KL5.Mat

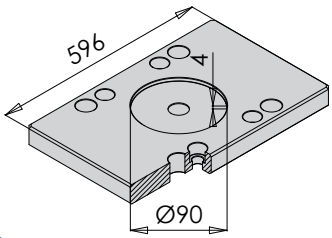



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

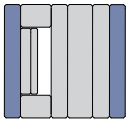


## KL 2

4050-S-KL2.Mat

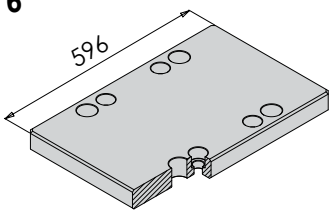



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

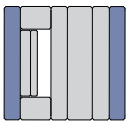


## KL 6

4050-S-KL6.Mat

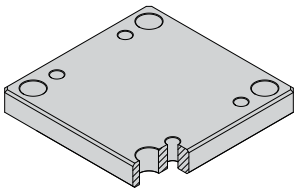



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

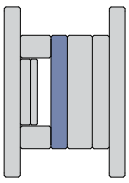


## TL

4050-S-TL.Mat

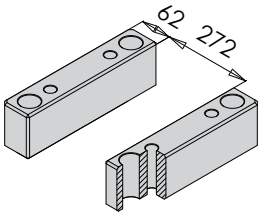


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

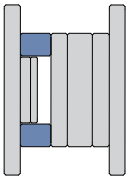


## TP

4050-S-TP.Mat

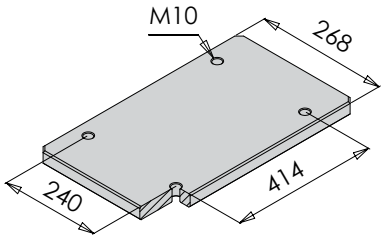



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | ● | ● | ● | ● | ● | ● | | | |
| 2085 | | | | | | | | | | ● | ● | ● | ● | ● | ● | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

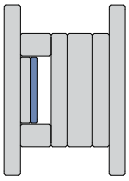


## UL1

4050S-UL1.Mat

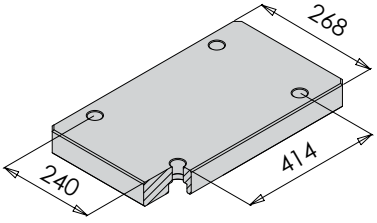



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | | | | | | | | | | | | | |
| 2085 | | | | | ● | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

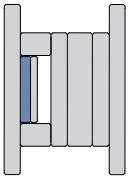


## UL2

4050-S-UL2.Mat




| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | | | | | | | | | | | | |
| 2085 | | | | | | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

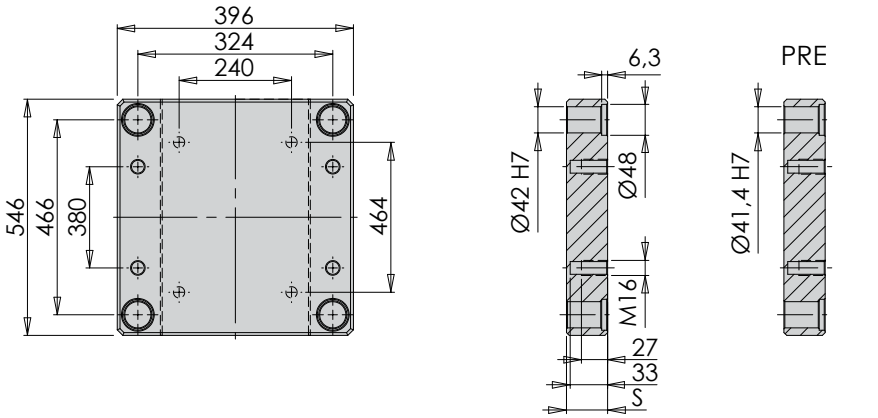


Z1010 - p.128 | Z1020 - p.130 | Z1030 - p.132 | Z1040 - p.132 | Z1080 - p.133 | Z1100 - p.134 | Z1210 - p.135
Z1250 - p.136 | Z1410 - p.137 | Z1610 - p.138 | Z1810 - p.139 | Z2010 - p.140 | Z2210/11 - p.141 | Z2240 - p.142
Z2251 - p.143 | Z2320 - p.144 | Z2610 - p.145 | Z2820 - p.146 | Z3010 - p.148 | Z3030 - p.148 | Z3040 - p.149
Z3050 - p.151 | Z3060 - p.152 | Z3070 - p.153 | Z3080 - p.155 | Z3090 - p.156 | Z3100 - p.157 | Z4057 - p.160

# 396 x 546

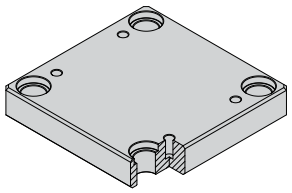
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



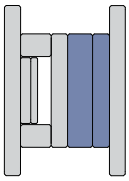

## ML

4055-S-ML.Mat



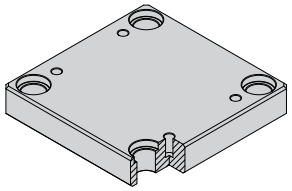
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



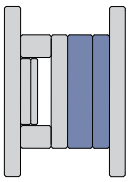
## ML - PRE

4055-S-ML.Mat.PRE



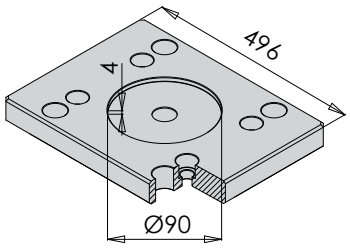
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

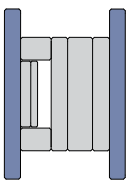


## KL 1

4055-S-KL1.Mat

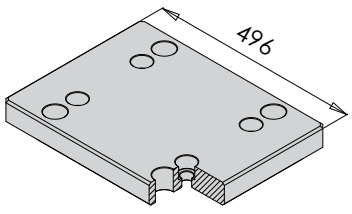



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

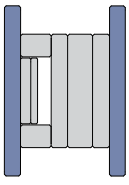


## KL 5

4055-S-KL5.Mat

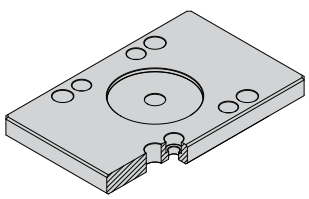



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

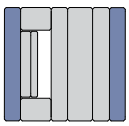


## KL 2

4055-S-KL2.Mat

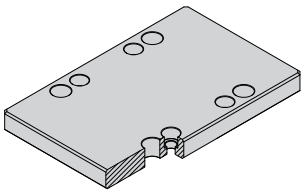


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

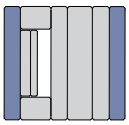


## KL 6

4055-S-KL6.Mat

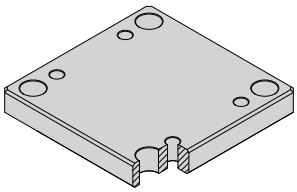


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

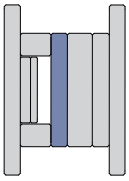


## TL

4055-S-TL.Mat

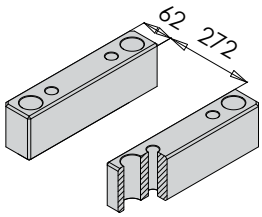


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

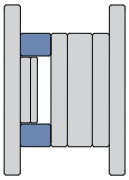


## TP

4055-S-TP.Mat

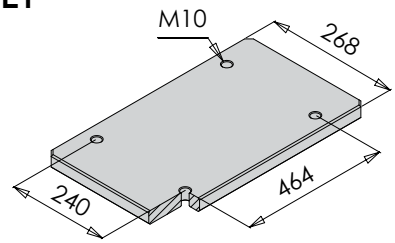



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | ● | ● | ● | ● | ● | ● | | | |
| 2085 | | | | | | | | | | ● | ● | ● | ● | ● | ● | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

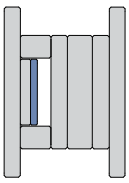


## UL1

4055-S-UL1.Mat

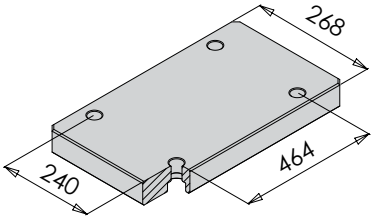



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | | | | | | | | | | | | | | |
| 2085 | | | | ● | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

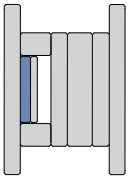


## UL2

4055-S-UL2.Mat




| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | | | | | | | | | | | | |
| 2085 | | | | | | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

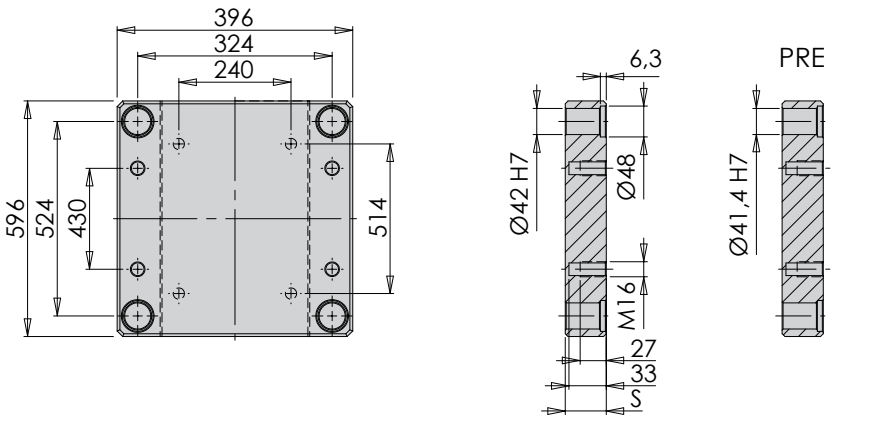


Z1010 - p.128 | Z1020 - p.130 | Z1030 - p.132 | Z1040 - p.132 | Z1080 - p.133 | Z1100 - p.134 | Z1210 - p.135
Z1250 - p.136 | Z1410 - p.137 | Z1610 - p.138 | Z1810 - p.139 | Z2010 - p.140 | Z2210/11 - p.141 | Z2240 - p.142
Z2251 - p.143 | Z2320 - p.144 | Z2610 - p.145 | Z2820 - p.146 | Z3010 - p.148 | Z3030 - p.148 | Z3040 - p.149
Z3050 - p.151 | Z3060 - p.152 | Z3070 - p.153 | Z3080 - p.155 | Z3090 - p.156 | Z3100 - p.157 | Z4057 - p.160

# 396 x 596

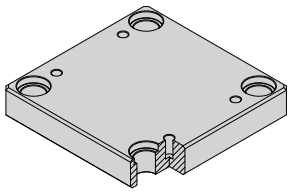
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



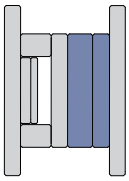

## ML

4060-S-ML.Mat



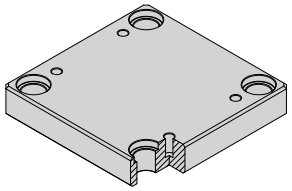
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



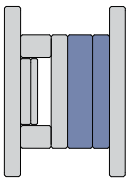
## ML - PRE

4060-S-ML.Mat.PRE



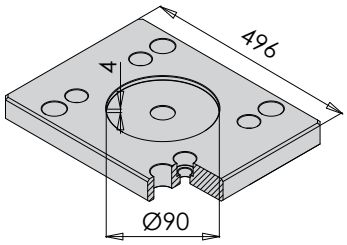
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

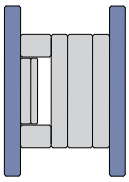


## KL 1

4060-S-KL1.Mat

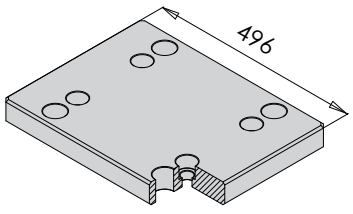



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

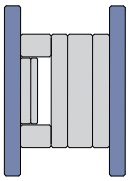


## KL 5

4060-S-KL5.Mat

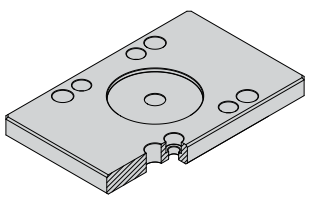



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

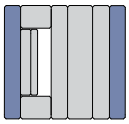


## KL 2

4060-S-KL2.Mat

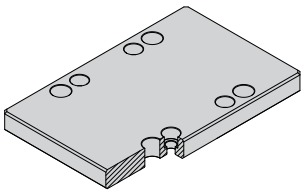


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

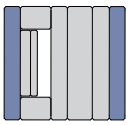


## KL 6

4060-S-KL6.Mat

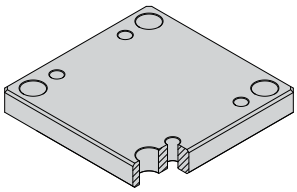


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

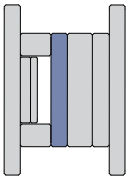


## TL

4060-S-TL.Mat

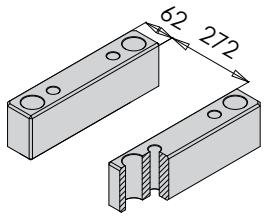


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

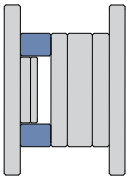


## TP

4060-S-TP.Mat

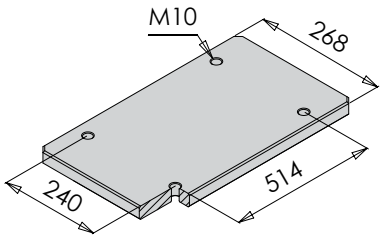



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | ● | ● | ● | ● | ● | ● | | | |
| 2085 | | | | | | | | | | ● | ● | ● | ● | ● | ● | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

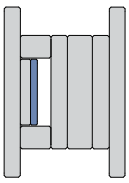


## UL1

4060-S-UL1.Mat

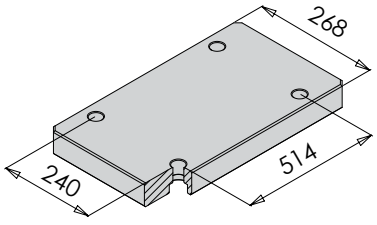



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | | | | | | | | | | | | | |
| 2085 | | | | | ● | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

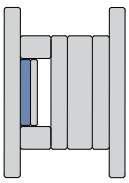


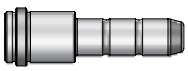
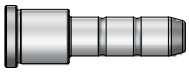
## UL2

4060-S-UL2.Mat

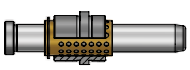


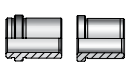
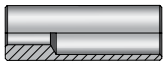

| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | | | | | | | | | | | | |
| 2085 | | | | | | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

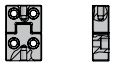


Z1010 - p.128

Z1020 - p.130

Z1030 - p.132

Z1040 - p.132

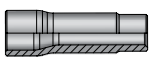
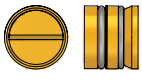
Z1080 - p.133

Z1100 - p.134

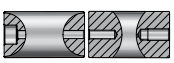
Z1210 - p.135

Z1250 - p.136

Z1410 - p.137

Z1610 - p.138

Z1810 - p.139

Z2010 - p.140

Z2210/11 - p.141

Z2240 - p.142

Z2251 - p.143

Z2320 - p.144

Z2610 - p.145

Z2820 - p.146

Z3010 - p.148

Z3030 - p.148

Z3040 - p.149

Z3050 - p.151

Z3060 - p.152

Z3070 - p.153

Z3080 - p.155

Z3090 - p.156

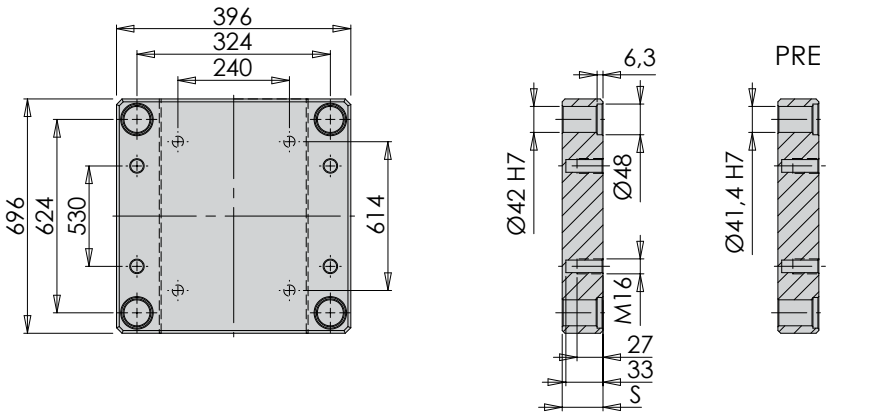
Z3100 - p.157

Z4057 - p.160


# 396 x 696

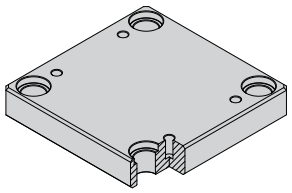
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



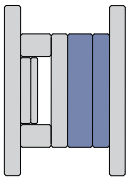

## ML

4070-S-ML.Mat



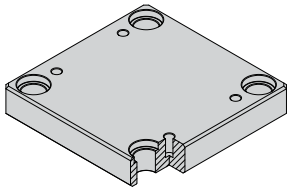
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2085 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2311 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2312 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



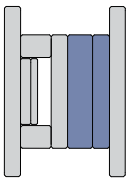
## ML - PRE

4070-S-ML.Mat.PRE



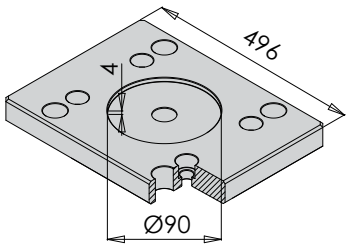
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2311 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2312 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2083 | | | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

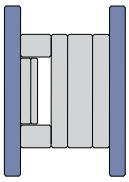


## KL 1

4070-S-KL1.Mat

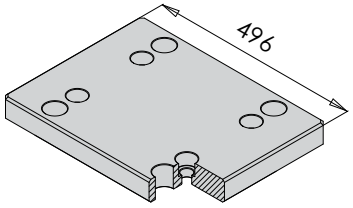



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | ● | ● | | | | | | | | | |
| 2085 | | | | | | | | ● | ● | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

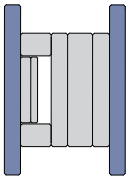


## KL 5

4070-S-KL5.Mat

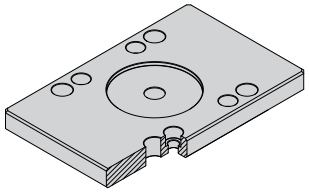



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | ● | ● | | | | | | | | | |
| 2085 | | | | | | | | ● | ● | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

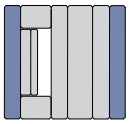


## KL 2

4070-S-KL2.Mat

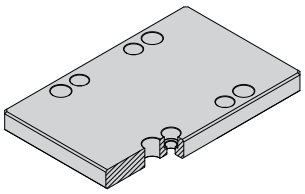


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

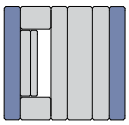


## KL 6

4070-S-KL6.Mat

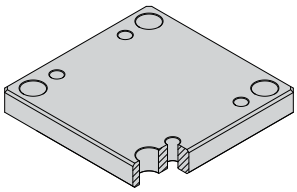


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

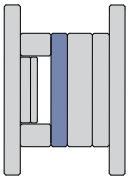


## TL

4070-S-TL.Mat

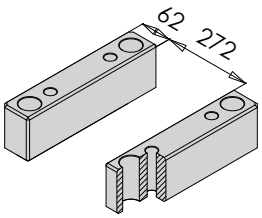


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2085 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

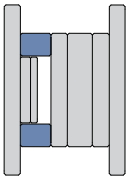


## TP

4070-S-TP.Mat

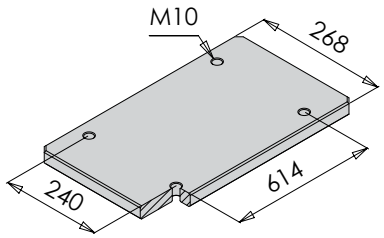



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | ● | ● | ● | ● | ● | | | |
| 2085 | | | | | | | | | | | ● | ● | ● | ● | ● | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

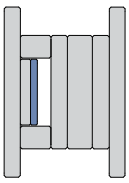


## UL1

4070-S-UL1.Mat

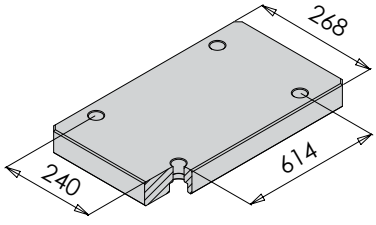



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | | | | | | | | | | | | |
| 2085 | | | | | | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

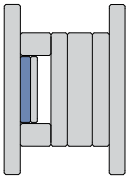


## UL2

4070-S-UL2.Mat




| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | | | | | | | | | | | |
| 2085 | | | | | | | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
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| STAVAX | | | | | | | | | | | | | | | | | | |

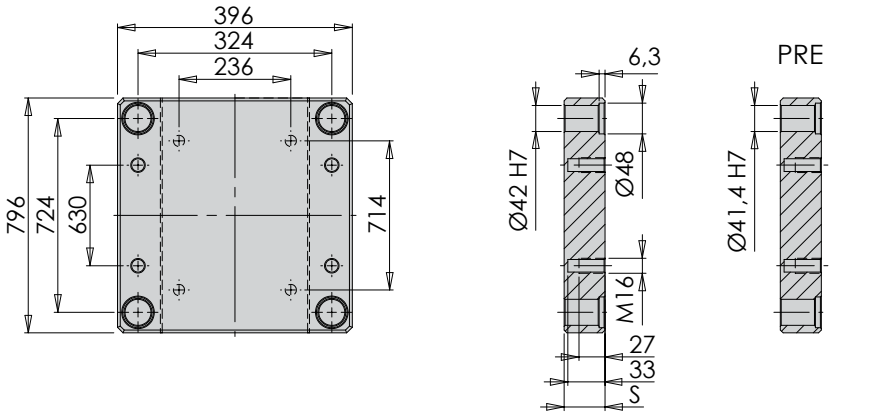


Z1010 - p.128 | Z1020 - p.130 | Z1030 - p.132 | Z1040 - p.132 | Z1080 - p.133 | Z1100 - p.134 | Z1210 - p.135
Z1250 - p.136 | Z1410 - p.137 | Z1610 - p.138 | Z1810 - p.139 | Z2010 - p.140 | Z2210/11 - p.141 | Z2240 - p.142
Z2251 - p.143 | Z2320 - p.144 | Z2610 - p.145 | Z2820 - p.146 | Z3010 - p.148 | Z3030 - p.148 | Z3040 - p.149
Z3050 - p.151 | Z3060 - p.152 | Z3070 - p.153 | Z3080 - p.155 | Z3090 - p.156 | Z3100 - p.157 | Z4057 - p.160

# 396 x 796

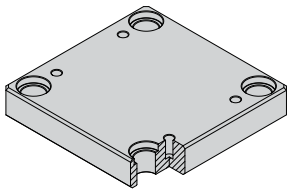
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



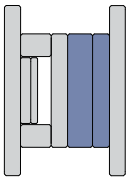

## ML

4080-S-ML.Mat



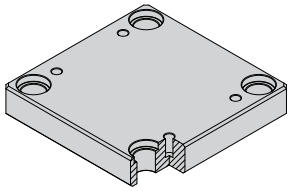
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2085 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2311 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2312 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



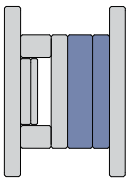
## ML - PRE

4080-S-ML.Mat.PRE



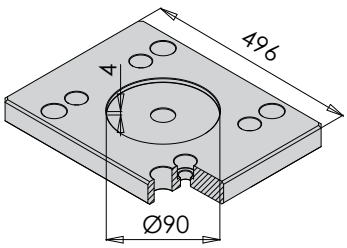
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2311 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2312 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2083 | | | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

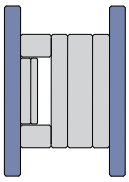


## KL 1

4080-S-KL1.Mat

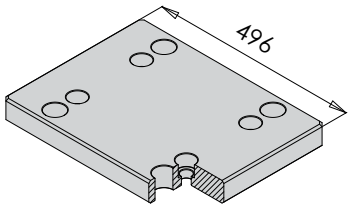



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | ● | ● | | | | | | | | | |
| 2085 | | | | | | | | ● | ● | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

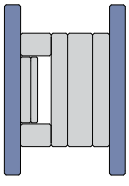


## KL 5

4080-S-KL5.Mat

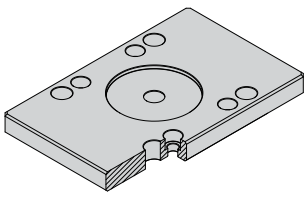



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | ● | ● | | | | | | | | | |
| 2085 | | | | | | | | ● | ● | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

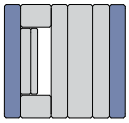


## KL 2

4080-S-KL2.Mat

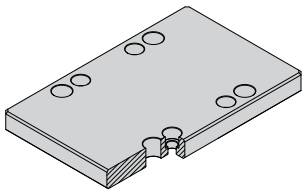


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

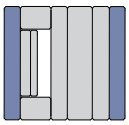


## KL 6

4080-S-KL6.Mat

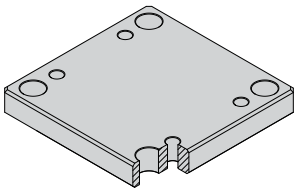


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

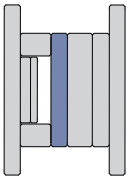


## TL

4080-S-TL.Mat

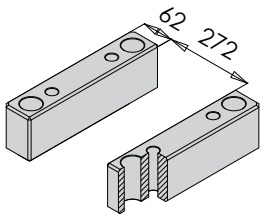


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2085 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

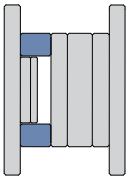


## TP

4080-S-TP.Mat

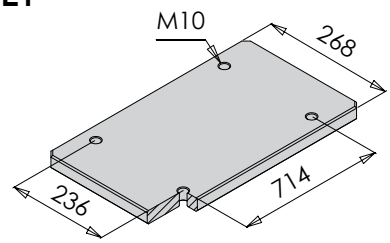



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | ● | ● | ● | ● | ● | | |
| 2085 | | | | | | | | | | | | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

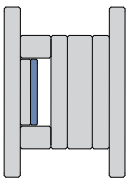


## UL1

4080-S-UL1.Mat

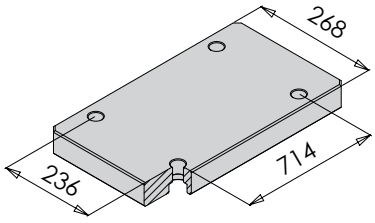



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | | | | | | | | | | | | |
| 2085 | | | | | | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
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| STAVAX | | | | | | | | | | | | | | | | | | |

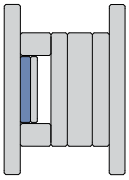


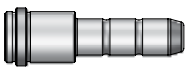
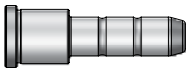
## UL2

4080-S-UL2.Mat

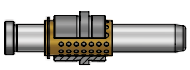


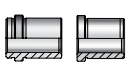
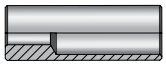

| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | | | | | | | | | | | |
| 2085 | | | | | | | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

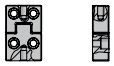


Z1010 - p.128

Z1020 - p.130

Z1030 - p.132

Z1040 - p.132

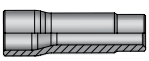
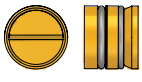
Z1080 - p.133

Z1100 - p.134

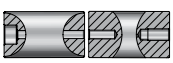
Z1210 - p.135

Z1250 - p.136

Z1410 - p.137

Z1610 - p.138

Z1810 - p.139

Z2010 - p.140

Z2210/11 - p.141

Z2240 - p.142

Z2251 - p.143

Z2320 - p.144

Z2610 - p.145

Z2820 - p.146

Z3010 - p.148

Z3030 - p.148

Z3040 - p.149

Z3050 - p.151

Z3060 - p.152

Z3070 - p.153

Z3080 - p.155

Z3090 - p.156

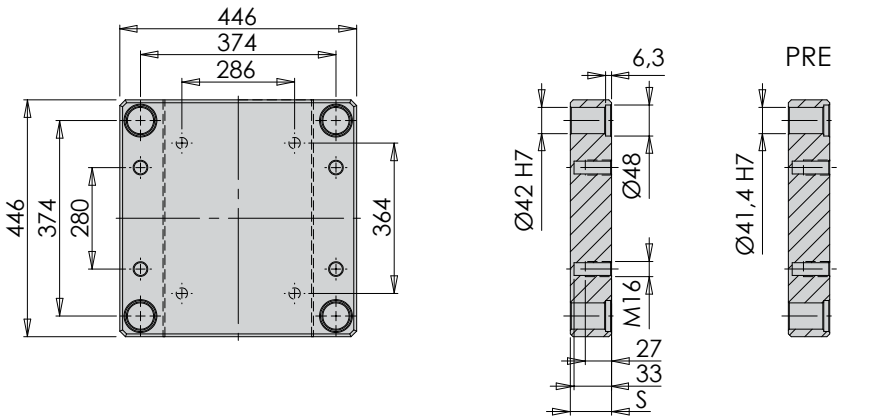
Z3100 - p.157

Z4057 - p.160


# 446 x 446

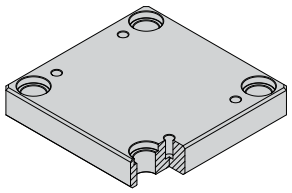
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



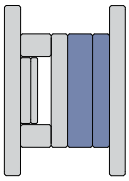

## ML

4545-S-ML.Mat



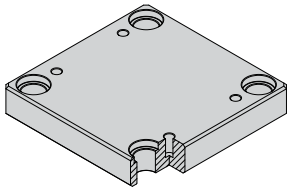
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



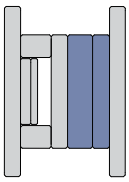
## ML - PRE

4545-S-ML.Mat.PRE



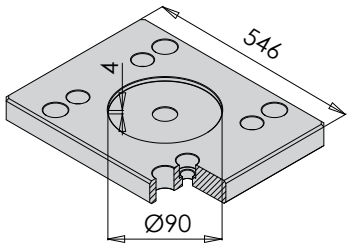
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2083 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

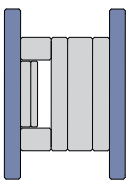


## KL 1

4545-S-KL1.Mat

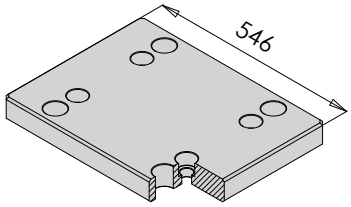



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

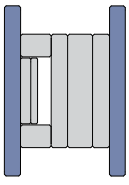


## KL 5

4545-S-KL5.Mat

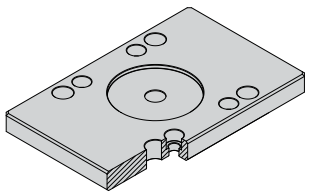



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

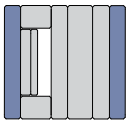


## KL 2

4545-S-KL2.Mat

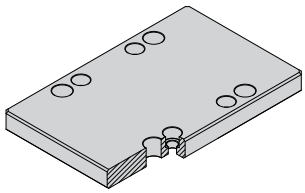


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

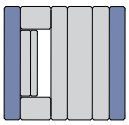


## KL 6

4545-S-KL6.Mat

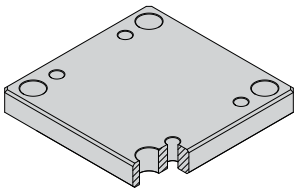


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

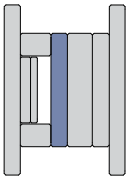


## TL

4545-S-TL.Mat

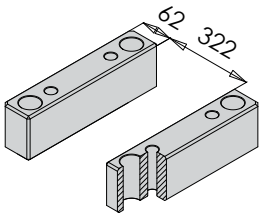


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

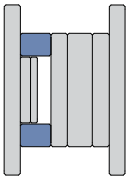


## TP

4545-S-TP.Mat

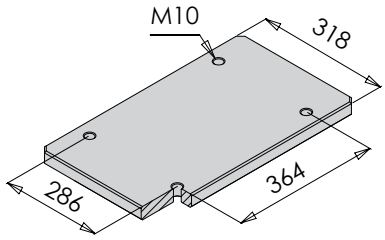



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | | | |
| 2085 | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

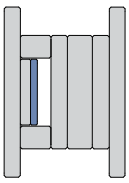


## UL1

4545-S-UL1.Mat

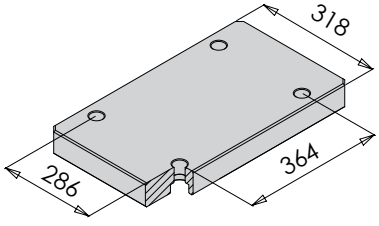



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | ● | | | | | | | | | | | | | | |
| 2085 | | | | ● | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

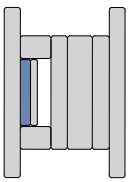


## UL2

4545-S-UL2.Mat




| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | | | | | | | | | | | | |
| 2085 | | | | | | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

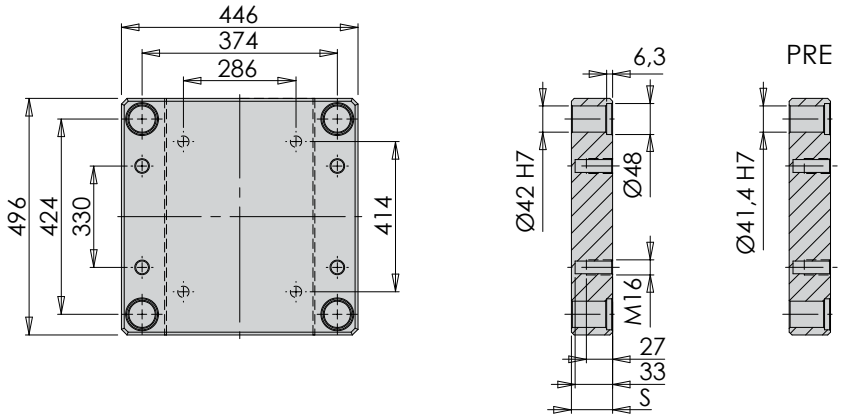


Z1010 - p.128 | Z1020 - p.130 | Z1030 - p.132 | Z1040 - p.132 | Z1080 - p.133 | Z1100 - p.134 | Z1210 - p.135
Z1250 - p.136 | Z1410 - p.137 | Z1610 - p.138 | Z1810 - p.139 | Z2010 - p.140 | Z2210/11 - p.141 | Z2240 - p.142
Z2251 - p.143 | Z2320 - p.144 | Z2610 - p.145 | Z2820 - p.146 | Z3010 - p.148 | Z3030 - p.148 | Z3040 - p.149
Z3050 - p.151 | Z3060 - p.152 | Z3070 - p.153 | Z3080 - p.155 | Z3090 - p.156 | Z3100 - p.157 | Z4057 - p.160

# 446 x 496

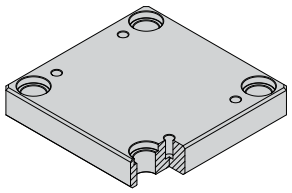
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



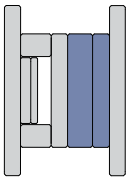

## ML

4550-S-ML.Mat



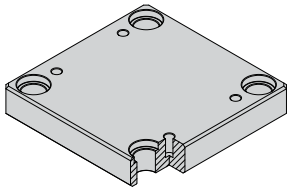
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



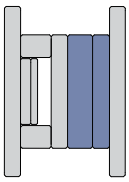
## ML - PRE

4550-S-ML.Mat.PRE



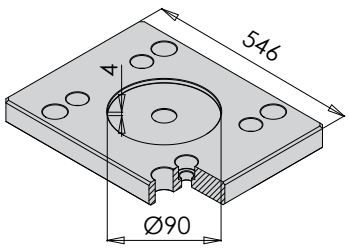
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2083 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

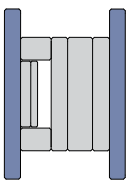


## KL 1

4550-S-KL1.Mat

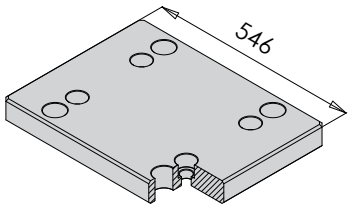



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |

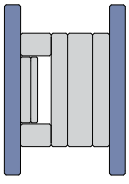


## KL 5

4550-S-KL5.Mat

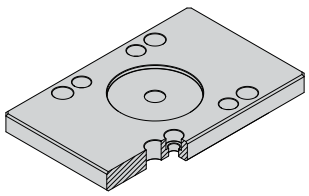



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

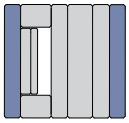


## KL 2

4550-S-KL2.Mat

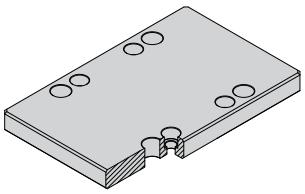


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

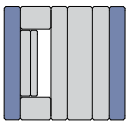


## KL 6

4550-S-KL6.Mat

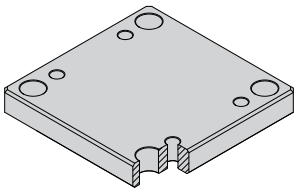


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

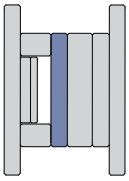


## TL

4550-S-TL.Mat

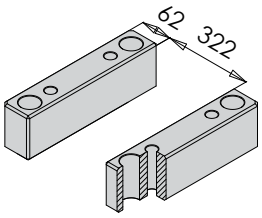


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

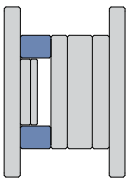


## TP

4550-S-TP.Mat

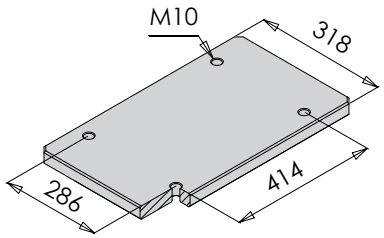



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | ● | ● | ● | ● | ● | ● | | | |
| 2085 | | | | | | | | | | ● | ● | ● | ● | ● | ● | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

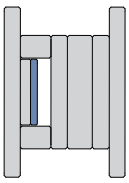


## UL1

4550-S-UL1.Mat

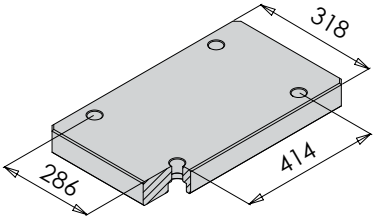



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | | | | | | | | | | | | | |
| 2085 | | | | | ● | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

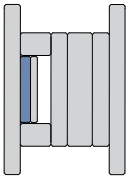


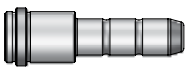
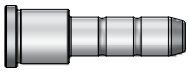
## UL2

4550-S-UL2.Mat

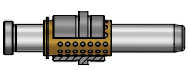


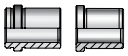
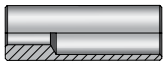

| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | | | | | | | | | | | | |
| 2085 | | | | | | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

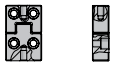


Z1010 - p.128

Z1020 - p.130

Z1030 - p.132

Z1040 - p.132

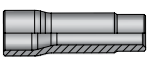
Z1080 - p.133

Z1100 - p.134

Z1210 - p.135

Z1250 - p.136

Z1410 - p.137

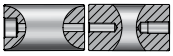
Z1610 - p.138

Z1810 - p.139

Z2010 - p.140

Z2210/11 - p.141

Z2240 - p.142

Z2251 - p.143

Z2320 - p.144

Z2610 - p.145

Z2820 - p.146

Z3010 - p.148

Z3030 - p.148

Z3040 - p.149

Z3050 - p.151

Z3060 - p.152

Z3070 - p.153

Z3080 - p.155

Z3090 - p.156

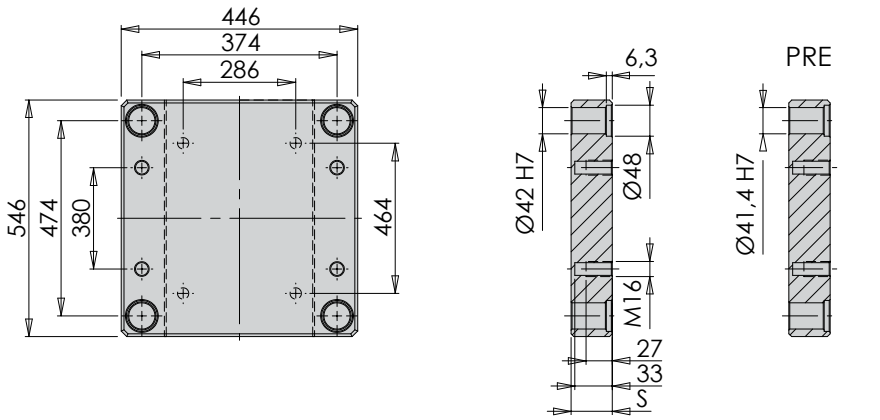
Z3100 - p.157

Z4057 - p.160


# 446 x 546

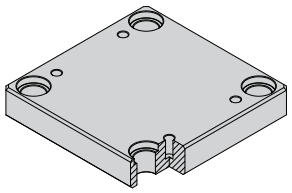
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



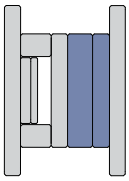

## ML

4555-S-ML.Mat



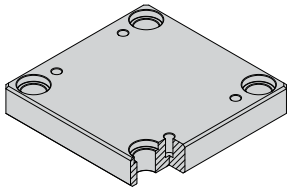
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



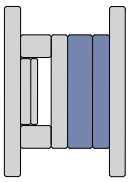
## ML - PRE

4555-S-ML.Mat.PRE



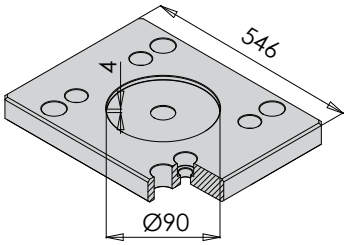
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2083 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

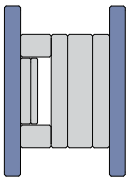


## KL 1

4555-S-KL1.Mat

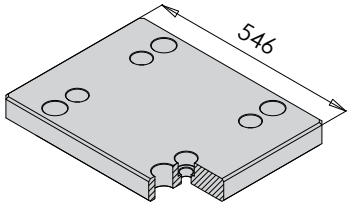



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

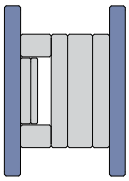


## KL 5

4555-S-KL5.Mat

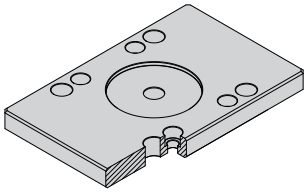



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

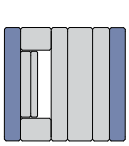


## KL 2

4555-S-KL2.Mat

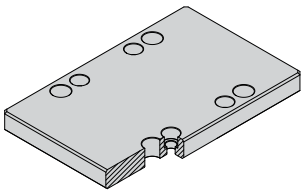


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

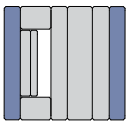


## KL 6

4555-S-KL6.Mat

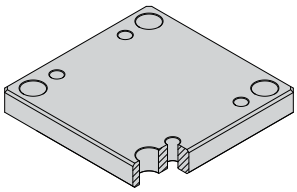


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

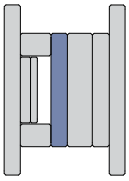


## TL

4555-S-TL.Mat

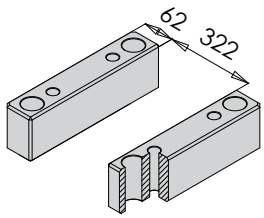


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

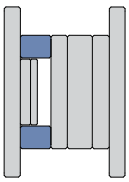


## TP

4555-S-TP.Mat

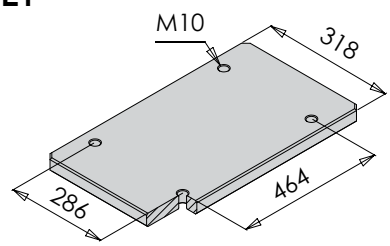



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | ● | ● | ● | ● | ● | ● | | | |
| 2085 | | | | | | | | | | ● | ● | ● | ● | ● | ● | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

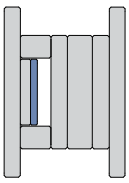


## UL1

4555-S-UL1.Mat

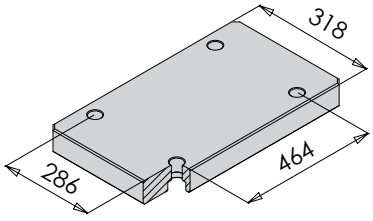



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | | | | | | | | | | | | | |
| 2085 | | | | | ● | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

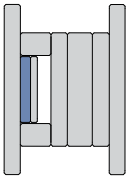


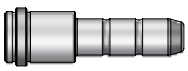
## UL2

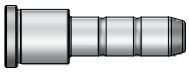
4555-S-UL2.Mat

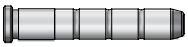



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | | | | | | | | | | | | |
| 2085 | | | | | | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

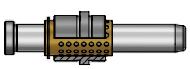


Z1010 - p.128


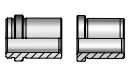
Z1020 - p.130


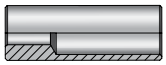
Z1030 - p.132


Z1040 - p.132

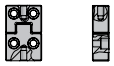

Z1080 - p.133


Z1100 - p.134


Z1210 - p.135


Z1250 - p.136


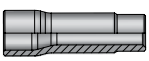
Z1410 - p.137

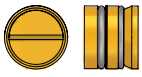

Z1610 - p.138


Z1810 - p.139

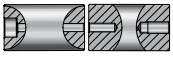

Z2010 - p.140


Z2210/11 - p.141


Z2240 - p.142


Z2251 - p.143


Z2320 - p.144


Z2610 - p.145


Z2820 - p.146


Z3010 - p.148


Z3030 - p.148

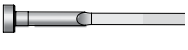

Z3040 - p.149


Z3050 - p.151


Z3060 - p.152


Z3070 - p.153


Z3080 - p.155


Z3090 - p.156


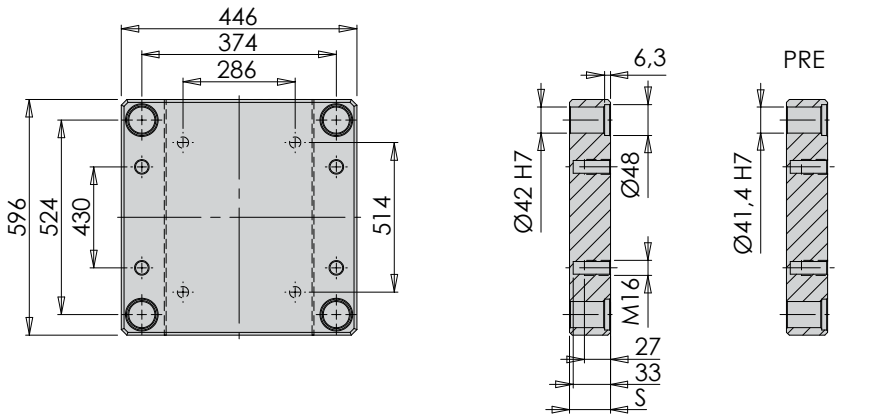
Z3100 - p.157


Z4057 - p.160


# 446 x 596

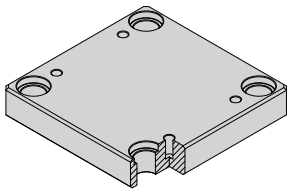
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



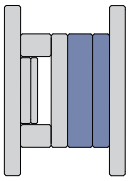

## ML

4560-S-ML.Mat



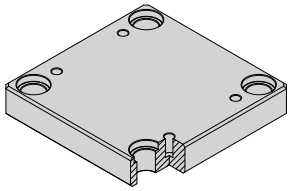
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



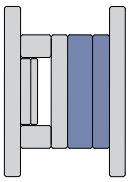
## ML - PRE

4560-S-ML.Mat.PRE



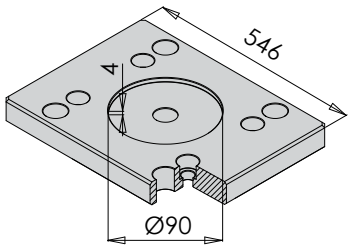
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2083 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

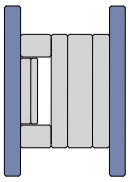


## KL 1

4560-S-KL1.Mat

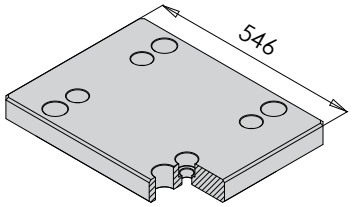



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

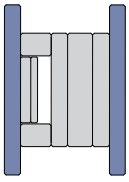


## KL 5

4560-S-KL5.Mat

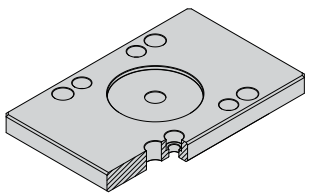



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

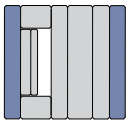


## KL 2

4560-S-KL2.Mat

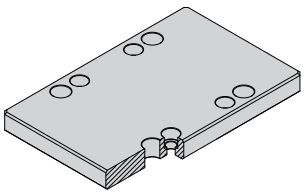


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

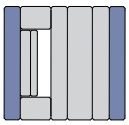


## KL 6

4560-S-KL6.Mat

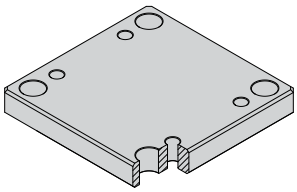


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

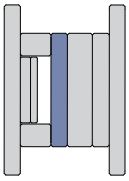


## TL

4560-S-TL.Mat

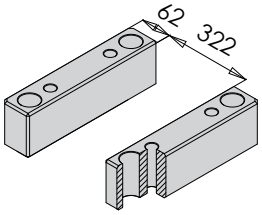


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

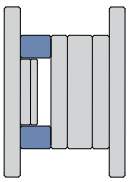


## TP

4560-S-TP.Mat

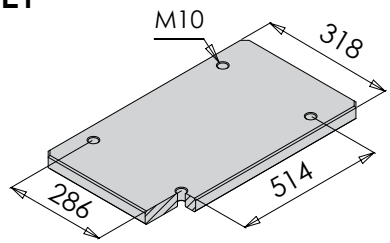



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | ● | ● | ● | ● | ● | ● | | | |
| 2085 | | | | | | | | | | ● | ● | ● | ● | ● | ● | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

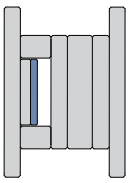


## UL1

4560-S-UL1.Mat

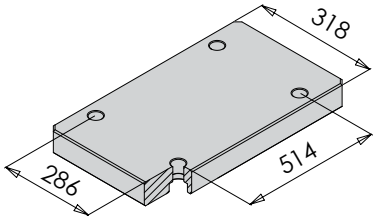



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | ● | | | | | | | | | | | | | |
| 2085 | | | | | ● | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

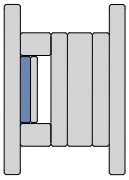


## UL2

4560-S-UL2.Mat




| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | | | | | | | | | | | | |
| 2085 | | | | | | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

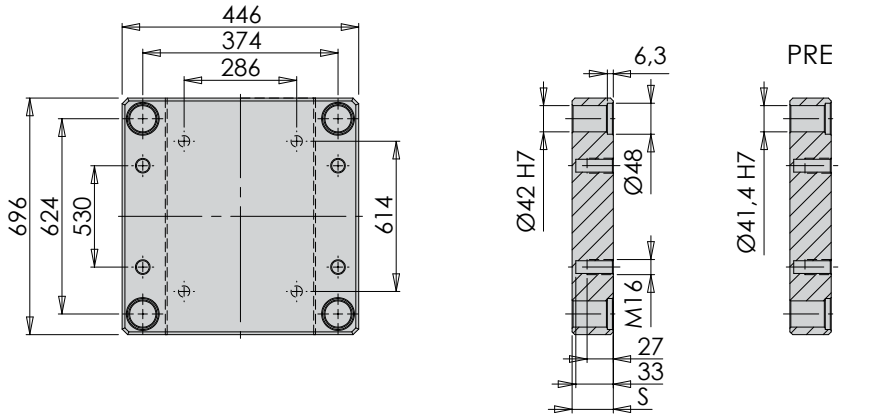


Z1010 - p.128 | Z1020 - p.130 | Z1030 - p.132 | Z1040 - p.132 | Z1080 - p.133 | Z1100 - p.134 | Z1210 - p.135
Z1250 - p.136 | Z1410 - p.137 | Z1610 - p.138 | Z1810 - p.139 | Z2010 - p.140 | Z2210/11 - p.141 | Z2240 - p.142
Z2251 - p.143 | Z2320 - p.144 | Z2610 - p.145 | Z2820 - p.146 | Z3010 - p.148 | Z3030 - p.148 | Z3040 - p.149
Z3050 - p.151 | Z3060 - p.152 | Z3070 - p.153 | Z3080 - p.155 | Z3090 - p.156 | Z3100 - p.157 | Z4057 - p.160

# 446 x 696

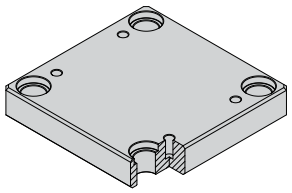
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



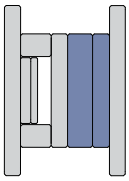

## ML

4570-S-ML.Mat



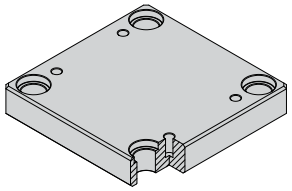
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2085 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2311 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2312 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



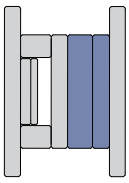
## ML - PRE

4570-S-ML.Mat.PRE



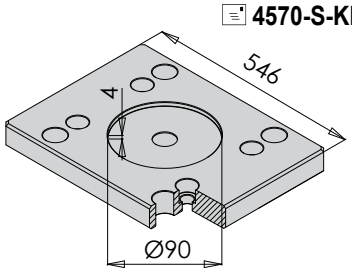
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2311 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2312 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2083 | | | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

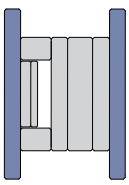


## KL 1

4570-S-KL1.Mat

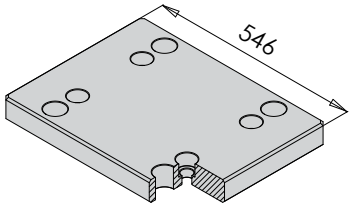



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | ● | ● | | | | | | | | | |
| 2085 | | | | | | | | ● | ● | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

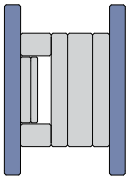


## KL 5

4570-S-KL5.Mat

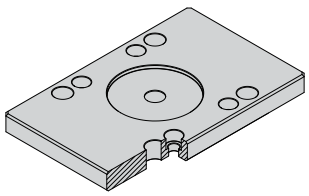



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | ● | ● | | | | | | | | | |
| 2085 | | | | | | | | ● | ● | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

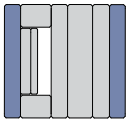


## KL 2

4570-S-KL2.Mat

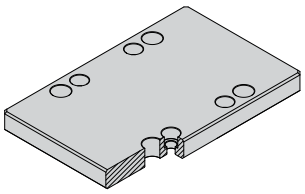


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

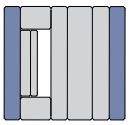


## KL 6

4570-S-KL6.Mat

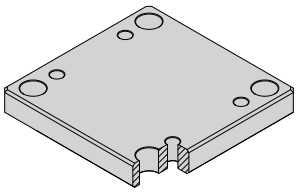


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

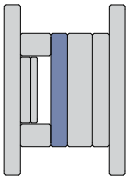


## TL

4570-TL.Mat

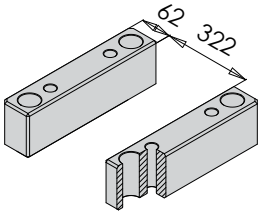


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2085 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

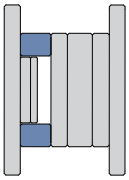


## TP

4570-S-TP.Mat

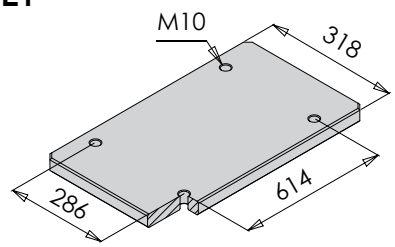



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | ● | ● | ● | ● | ● | | | |
| 2085 | | | | | | | | | | | ● | ● | ● | ● | ● | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

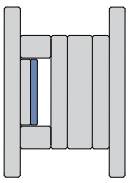


## UL1

4570-S-UL1.Mat

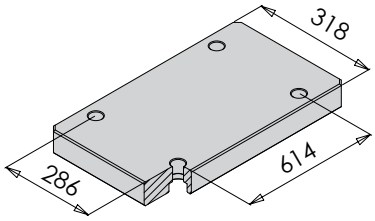



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | | | | | | | | | | | | |
| 2085 | | | | | | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

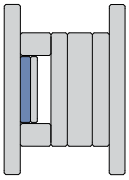


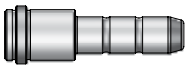
## UL2

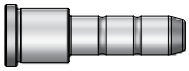
4570-S-UL2.Mat

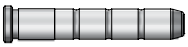



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | | | | | | | | | | | |
| 2085 | | | | | | | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

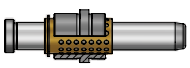


Z1010 - p.128


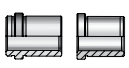
Z1020 - p.130


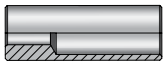
Z1030 - p.132


Z1040 - p.132

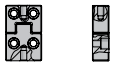

Z1080 - p.133


Z1100 - p.134


Z1210 - p.135


Z1250 - p.136


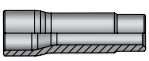
Z1410 - p.137

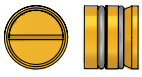

Z1610 - p.138


Z1810 - p.139

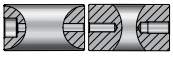

Z2010 - p.140


Z2210/11 - p.141


Z2240 - p.142


Z2251 - p.143


Z2320 - p.144


Z2610 - p.145


Z2820 - p.146


Z3010 - p.148


Z3030 - p.148

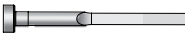

Z3040 - p.149


Z3050 - p.151


Z3060 - p.152


Z3070 - p.153


Z3080 - p.155


Z3090 - p.156


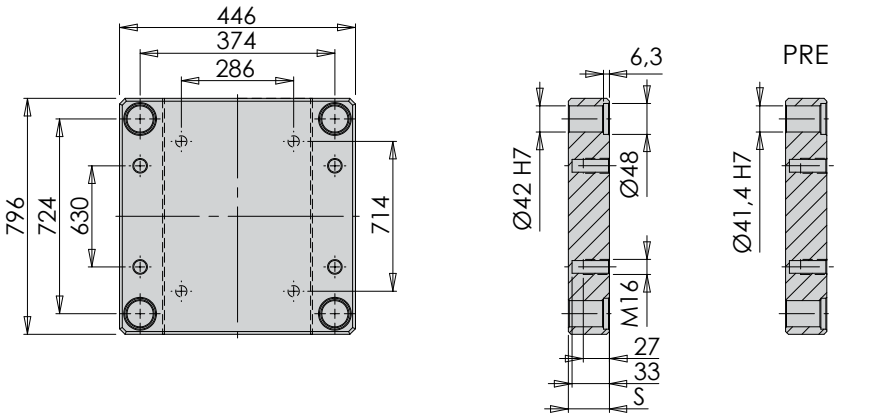
Z3100 - p.157


Z4057 - p.160


# 446 x 796

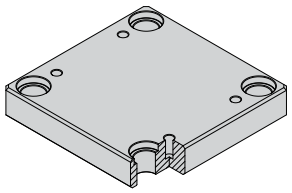
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



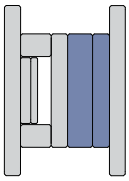

## ML

4580-S-ML.Mat



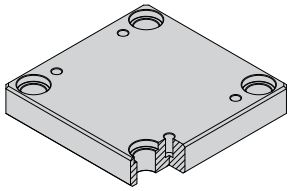
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2085 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2311 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2312 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



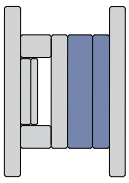
## ML - PRE

4580-S-ML.Mat.PRE



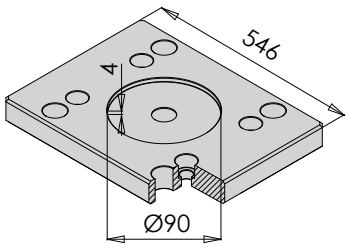
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2311 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2312 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2083 | | | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

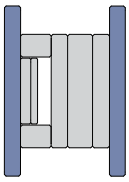


## KL 1

4580-S-KL1.Mat

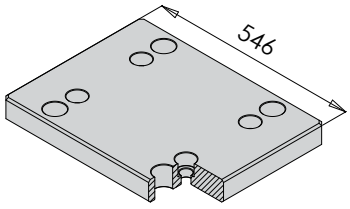



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | ● | ● | | | | | | | | | |
| 2085 | | | | | | | | ● | ● | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

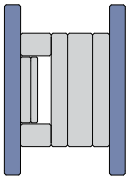


## KL 5

4580-S-KL5.Mat

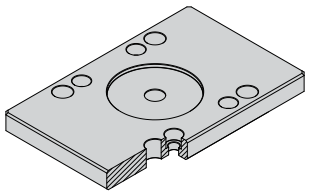



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | ● | ● | | | | | | | | | |
| 2085 | | | | | | | | ● | ● | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

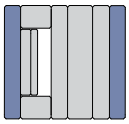


## KL 2

4580-S-KL2.Mat

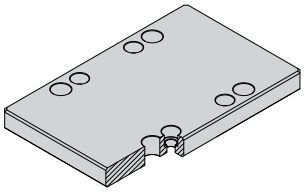


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

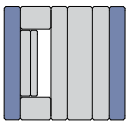


## KL 6

4580-S-KL6.Mat

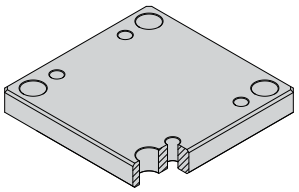


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

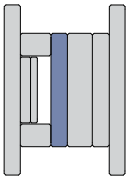


## TL

4580-S-TL.Mat

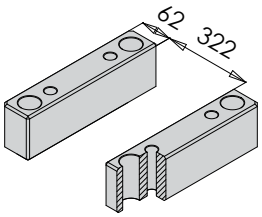


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2085 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

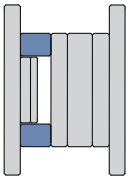


## TP

4580-S-TP.Mat

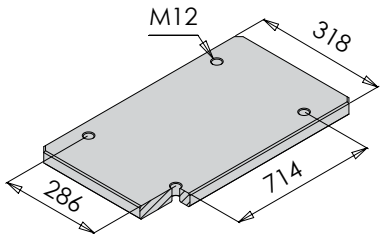



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | ● | ● | ● | ● | ● | | |
| 2085 | | | | | | | | | | | | ● | ● | ● | ● | ● | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

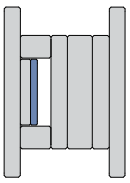


## UL1

4580-S-UL1.Mat

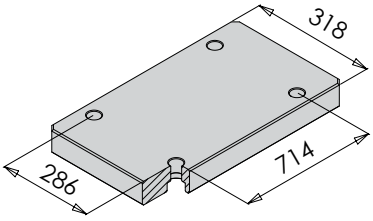



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | | | | | | | | | | | | |
| 2085 | | | | | | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

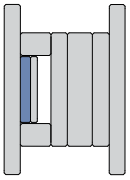


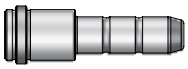
## UL2

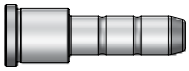
4580-S-UL2.Mat

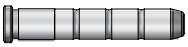



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | | | | | | | | | | | |
| 2085 | | | | | | | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

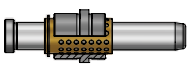


Z1010 - p.128


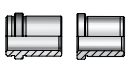
Z1020 - p.130


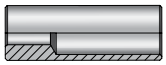
Z1030 - p.132


Z1040 - p.132

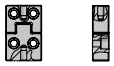

Z1080 - p.133


Z1100 - p.134


Z1210 - p.135


Z1250 - p.136


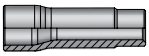
Z1410 - p.137

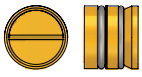

Z1610 - p.138


Z1810 - p.139

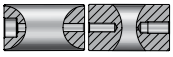

Z2010 - p.140


Z2210/11 - p.141


Z2240 - p.142


Z2251 - p.143


Z2320 - p.144


Z2610 - p.145


Z2820 - p.146


Z3010 - p.148


Z3030 - p.148


Z3040 - p.149


Z3050 - p.151


Z3060 - p.152


Z3070 - p.153


Z3080 - p.155


Z3090 - p.156

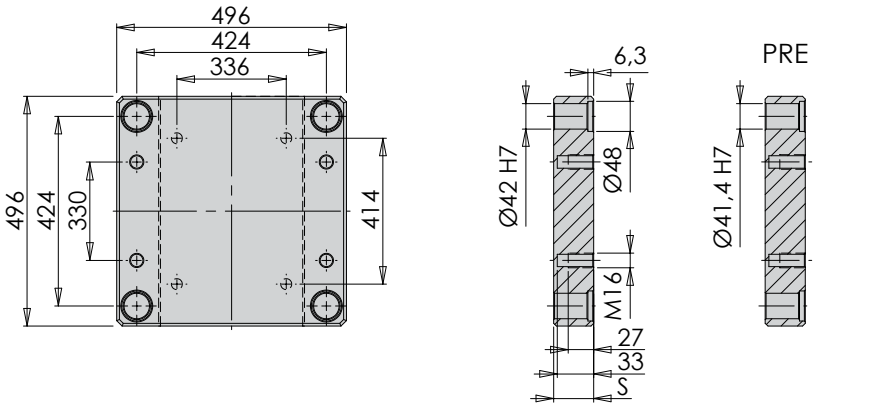

Z3100 - p.157


Z4057 - p.160


# 496 x 496

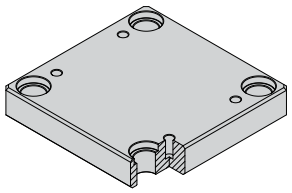
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



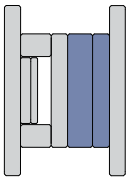

## ML

5050-S-ML.Mat



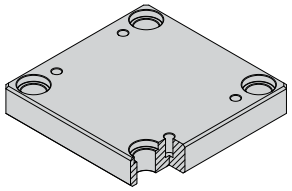
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



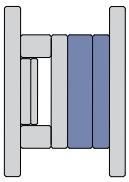
## ML - PRE

5050-S-ML.Mat.PRE



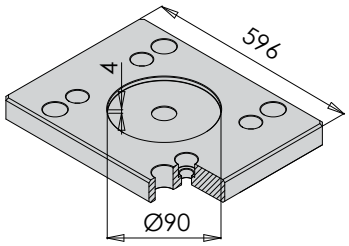
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2083 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

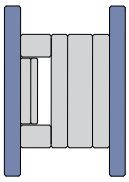


## KL 1

5050-S-KL1.Mat

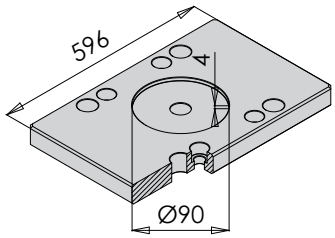



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | ● | | | | | | | | | |
| 2085 | | | | | | | ● | ● | ● | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

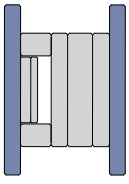


## KL 5

5050-S-KL5.Mat

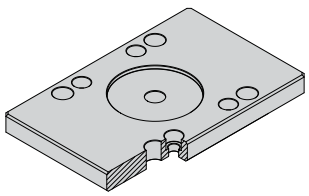



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | ● | | | | | | | | | |
| 2085 | | | | | | | ● | ● | ● | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

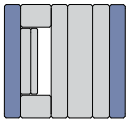


## KL 2

5050-S-KL2.Mat

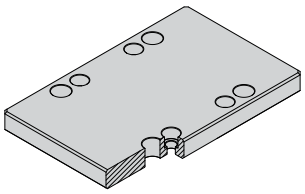


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

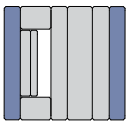


## KL 6

5050-S-KL6.Mat

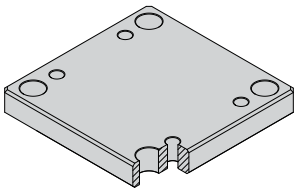


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

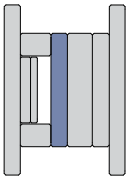


## TL

5050-S-TL.Mat

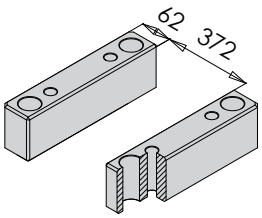


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

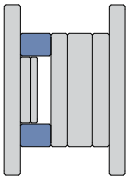


## TP

5050-S-TP.Mat

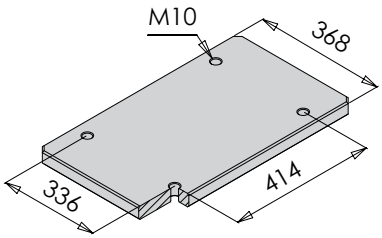



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | ● | ● | ● | ● | ● | ● | | | |
| 2085 | | | | | | | | | | ● | ● | ● | ● | ● | ● | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

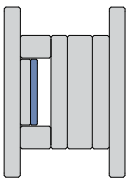


## UL1

5050-S-UL1.Mat

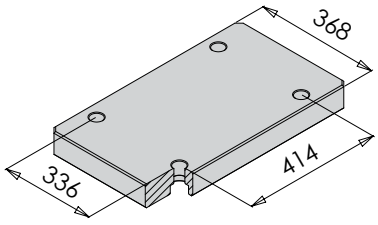



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | | | | | | | | | | | | |
| 2085 | | | | | | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

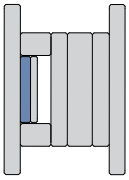


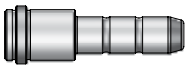
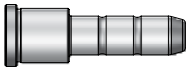
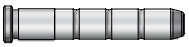
## UL2

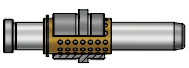
5050-S-UL2.Mat

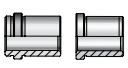
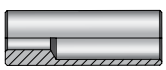



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | | | | | | | | | | | |
| 2085 | | | | | | | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |



Z1010 - p.128

Z1020 - p.130

Z1030 - p.132

Z1040 - p.132

Z1080 - p.133

Z1100 - p.134

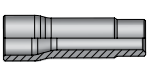
Z1210 - p.135

Z1250 - p.136

Z1410 - p.137

Z1610 - p.138

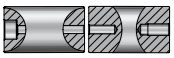
Z1810 - p.139

Z2010 - p.140

Z2210/11 - p.141

Z2240 - p.142

Z2251 - p.143

Z2320 - p.144

Z2610 - p.145

Z2820 - p.146

Z3010 - p.148

Z3030 - p.148

Z3040 - p.149

Z3050 - p.151

Z3060 - p.152

Z3070 - p.153

Z3080 - p.155

Z3090 - p.156

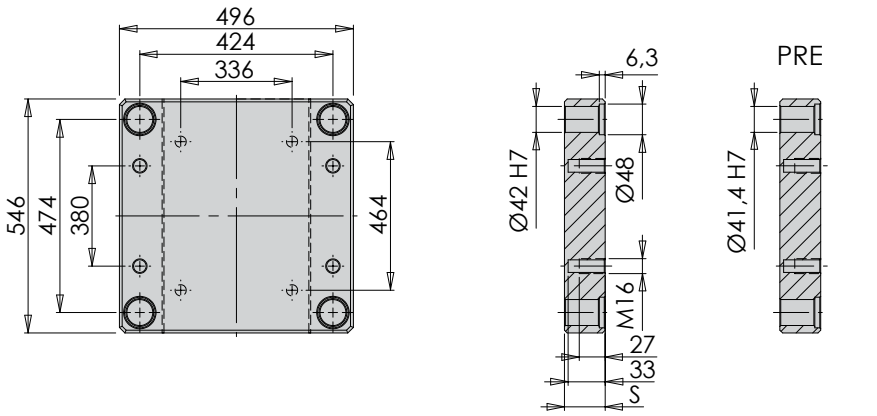
Z3100 - p.157

Z4057 - p.160


# 496 x 546

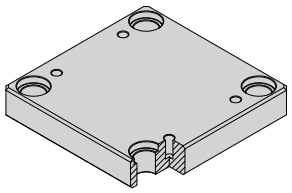
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



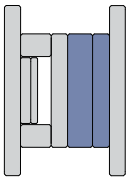

## ML

5055-S-ML.Mat



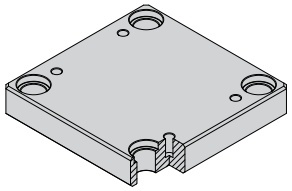
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



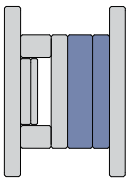
## ML - PRE

5055-S-ML.Mat.PRE



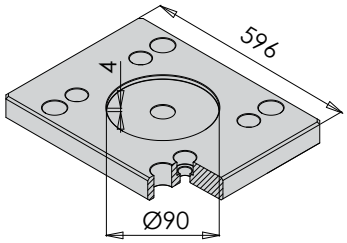
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2083 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

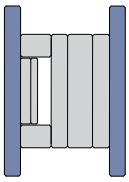


## KL 1

5055-S-KL1.Mat

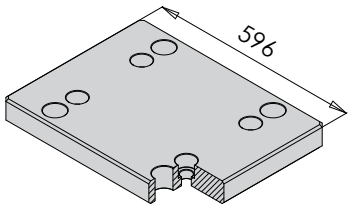



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | ● | | | | | | | | | |
| 2085 | | | | | | | ● | ● | ● | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

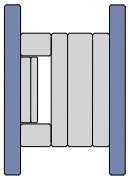


## KL 5

5055-S-KL5.Mat

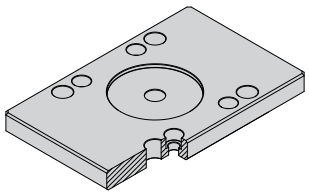



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | ● | | | | | | | | | |
| 2085 | | | | | | | ● | ● | ● | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

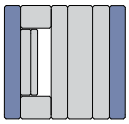


## KL 2

5055-S-KL2.Mat

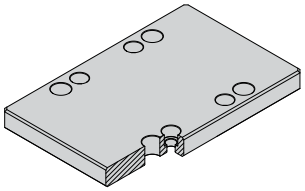


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

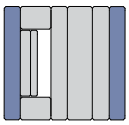


## KL 6

5055-S-KL6.Mat

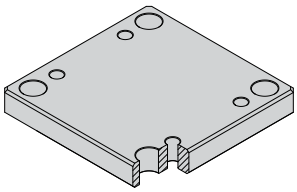


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

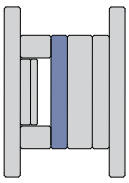


## TL

5055-S-TL.Mat

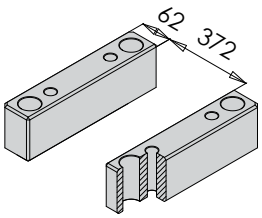


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

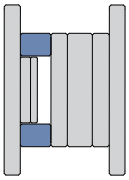


## TP

5055-S-TP.Mat

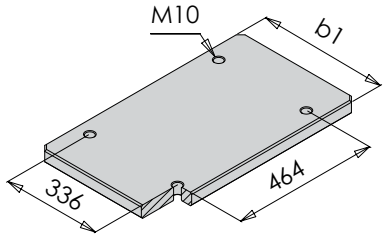



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | ● | ● | ● | ● | ● | ● | | | |
| 2085 | | | | | | | | | | ● | ● | ● | ● | ● | ● | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

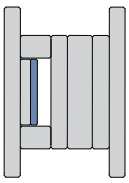


## UL1

5055-S-UL1.Mat

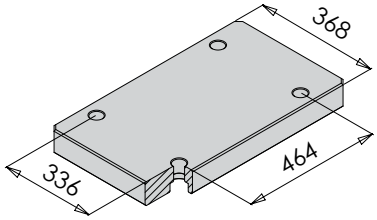



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | | | | | | | | | | | | |
| 2085 | | | | | | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

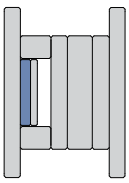


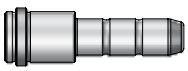
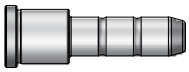
## UL2

5055-S-UL2.Mat

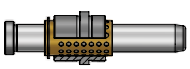


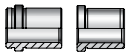
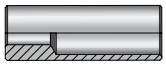

| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | | | | | | | | | | | |
| 2085 | | | | | | | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

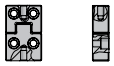


Z1010 - p.128

Z1020 - p.130

Z1030 - p.132

Z1040 - p.132

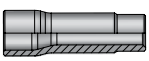
Z1080 - p.133

Z1100 - p.134

Z1210 - p.135

Z1250 - p.136

Z1410 - p.137

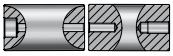
Z1610 - p.138

Z1810 - p.139

Z2010 - p.140

Z2210/11 - p.141

Z2240 - p.142

Z2251 - p.143

Z2320 - p.144

Z2610 - p.145

Z2820 - p.146

Z3010 - p.148

Z3030 - p.148

Z3040 - p.149

Z3050 - p.151

Z3060 - p.152

Z3070 - p.153

Z3080 - p.155

Z3090 - p.156

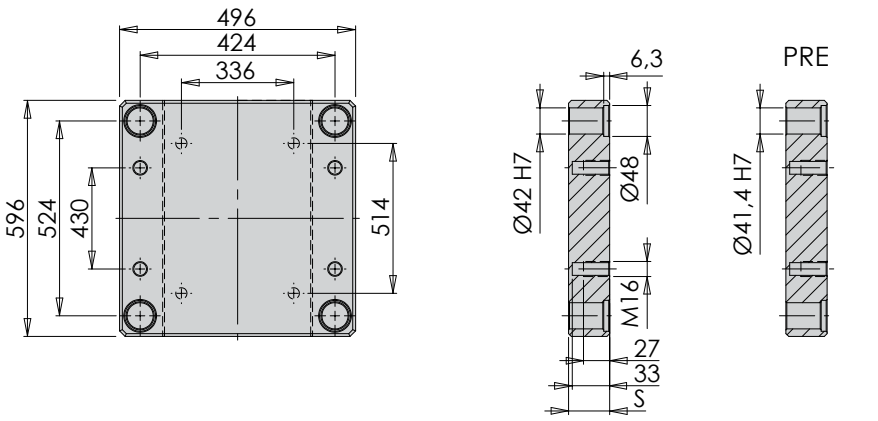
Z3100 - p.157

Z4057 - p.160


# 496 x 596

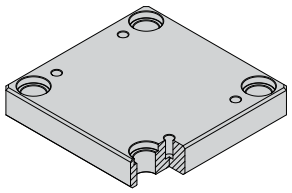
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



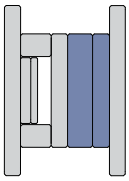

## ML

5060-S-ML.Mat



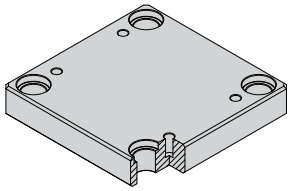
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



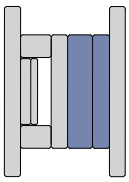
## ML - PRE

5060-S-ML.Mat.PRE



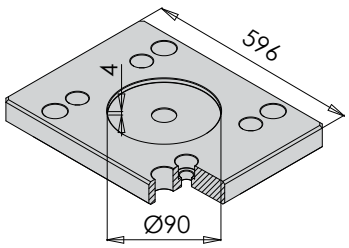
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2311 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2083 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

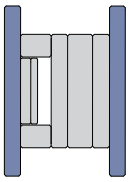


## KL 1

5060-S-KL1.Mat

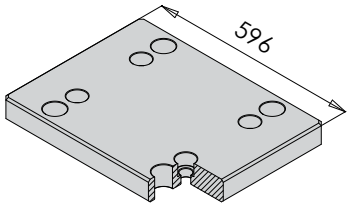



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | ● | ● | | | | | | | | | |
| 2085 | | | | | | | | ● | ● | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

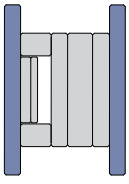


## KL 5

5060-S-KL5.Mat

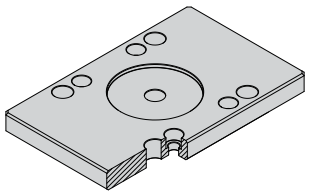



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | ● | ● | | | | | | | | | |
| 2085 | | | | | | | | ● | ● | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

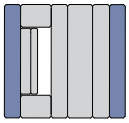


## KL 2

5060-S-KL2.Mat

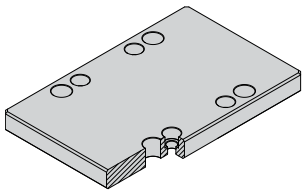


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

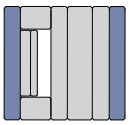


## KL 6

5060-S-KL6.Mat

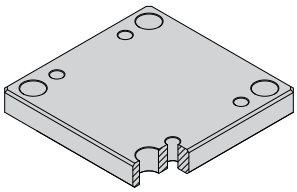


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

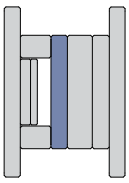


## TL

5060-S-TL.Mat

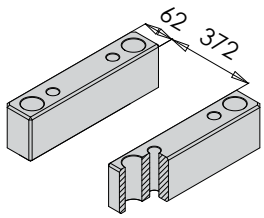


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2085 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

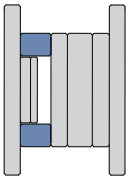


## TP

5060-S-TP.Mat

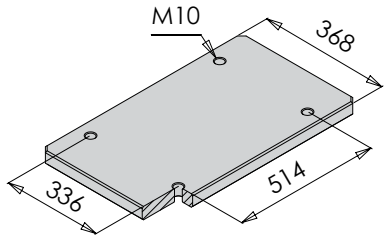



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | ● | ● | ● | ● | ● | ● | | | |
| 2085 | | | | | | | | | | ● | ● | ● | ● | ● | ● | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

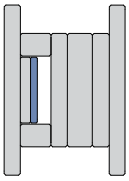


## UL1

5060-S-UL1.Mat

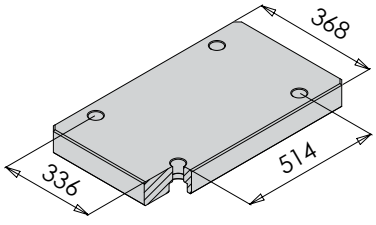



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | | | | | | | | | | | | |
| 2085 | | | | | | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

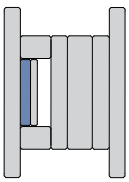


## UL2

5060-S-UL2.Mat




| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | | | | | | | | | | | |
| 2085 | | | | | | | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
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| STAVAX | | | | | | | | | | | | | | | | | | |

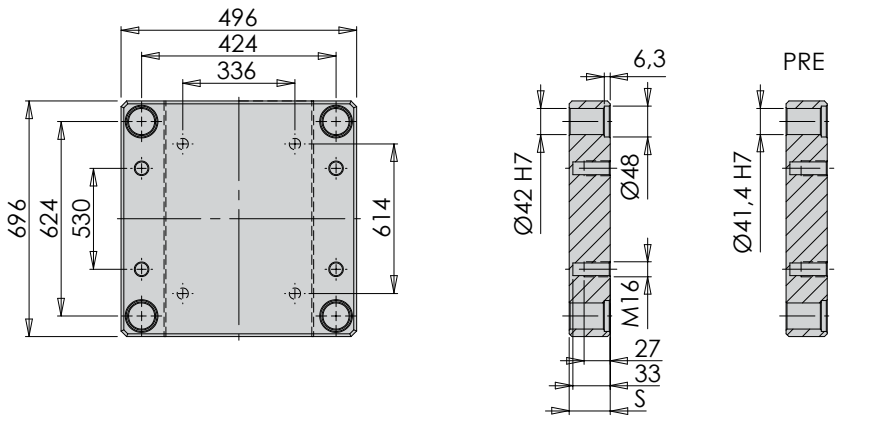


Z1010 - p.128
Z1020 - p.130
Z1030 - p.132
Z1040 - p.132
Z1080 - p.133
Z1100 - p.134
Z1210 - p.135
Z1250 - p.136
Z1410 - p.137
Z1610 - p.138
Z1810 - p.139
Z2010 - p.140
Z2210/11 - p.141
Z2240 - p.142
Z2251 - p.143
Z2320 - p.144
Z2610 - p.145
Z2820 - p.146
Z3010 - p.148
Z3030 - p.148
Z3040 - p.149
Z3050 - p.151
Z3060 - p.152
Z3070 - p.153
Z3080 - p.155
Z3090 - p.156
Z3100 - p.157
Z4057 - p.160

# 496 x 696

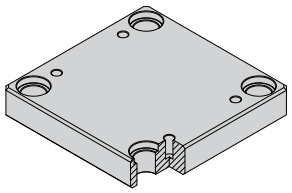
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



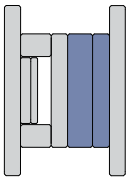

## ML

5070-S-ML.Mat



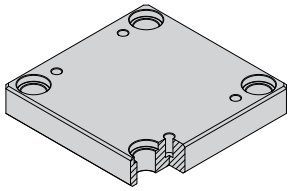
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2085 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2311 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2312 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



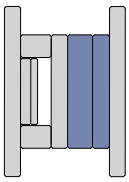
## ML - PRE

5070-S-ML.Mat.PRE



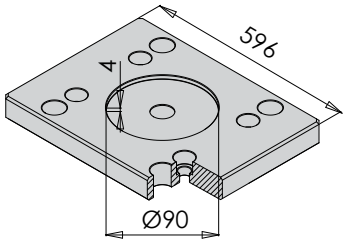
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2311 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2312 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2083 | | | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

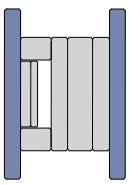


## KL 1

5070-S-KL1.Mat

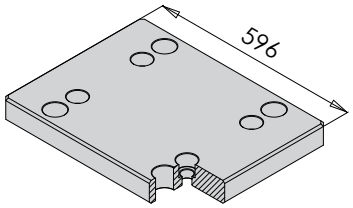



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | ● | ● | | | | | | | | | |
| 2085 | | | | | | | | ● | ● | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

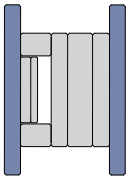


## KL 5

5070-S-KL5.Mat

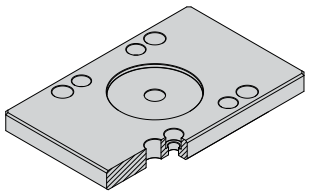



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | ● | ● | | | | | | | | | |
| 2085 | | | | | | | | ● | ● | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

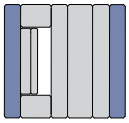


## KL 2

5070-S-KL2.Mat

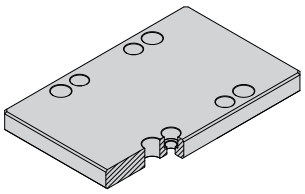


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

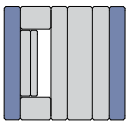


## KL 6

5070-S-KL6.Mat

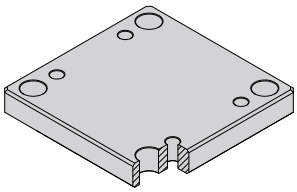


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

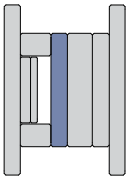


## TL

5070-S-TL.Mat

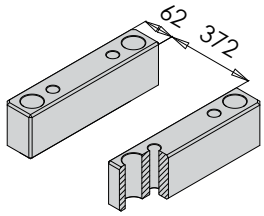


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2085 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

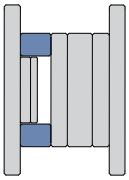


## TP

5070-S-TP.Mat

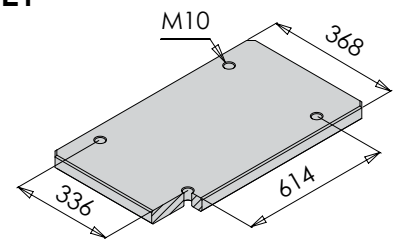



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | ● | ● | ● | ● | ● | | | |
| 2085 | | | | | | | | | | | ● | ● | ● | ● | ● | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

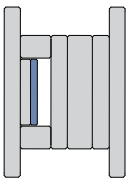


## UL1

5070-S-UL1.Mat

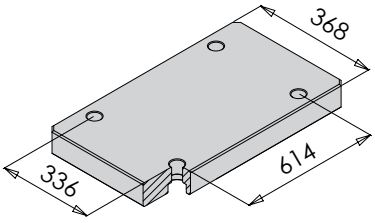



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | | | | | | | | | | | | |
| 2085 | | | | | | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

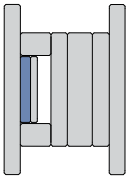


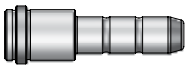
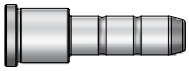
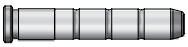
## UL2

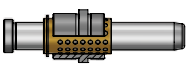
5070-S-UL2.Mat

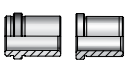
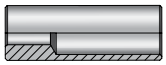


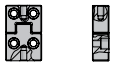

| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | | | | | | | | | | | |
| 2085 | | | | | | | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |



Z1010 - p.128

Z1020 - p.130

Z1030 - p.132

Z1040 - p.132

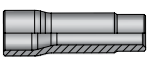
Z1080 - p.133

Z1100 - p.134

Z1210 - p.135

Z1250 - p.136

Z1410 - p.137

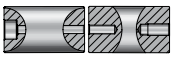
Z1610 - p.138

Z1810 - p.139

Z2010 - p.140

Z2210/11 - p.141

Z2240 - p.142

Z2251 - p.143

Z2320 - p.144

Z2610 - p.145

Z2820 - p.146

Z3010 - p.148

Z3030 - p.148

Z3040 - p.149

Z3050 - p.151

Z3060 - p.152

Z3070 - p.153

Z3080 - p.155

Z3090 - p.156

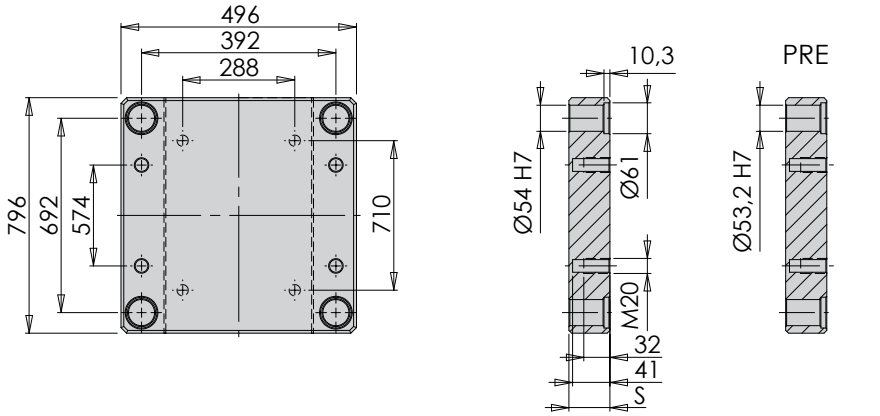
Z3100 - p.157

Z4057 - p.160


# 496 x 796

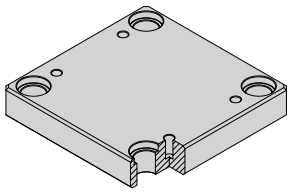
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

● = *Standardivalikoima*
● = *Standard assortment*
● = *Стандартные диапазон*



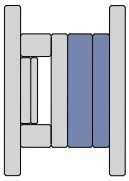

## ML

5080-S-ML.Mat



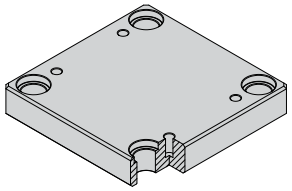
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2085 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2311 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2312 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



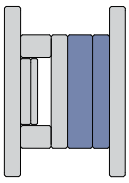
## ML - PRE

5080-S-ML.Mat.PRE



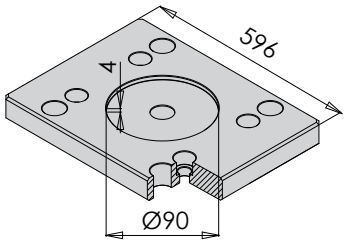
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2311 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2312 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2083 | | | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

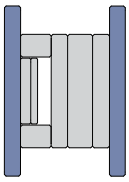


## KL 1

5080-S-KL1.Mat

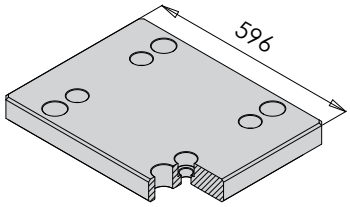



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | ● | | | | | | | | | | |
| 2085 | | | | | | | | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

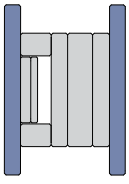


## KL 5

5080-S-KL5.Mat

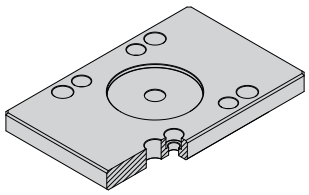



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | ● | | | | | | | | | | |
| 2085 | | | | | | | | ● | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

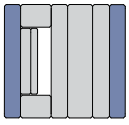


## KL 2

5080-S-KL2.Mat

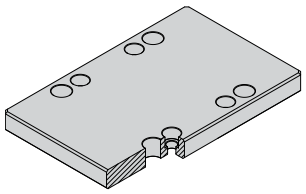


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

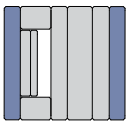


## KL 6

5080-S-KL6.Mat

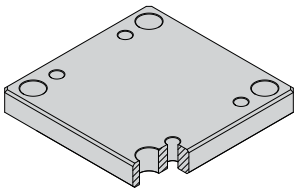


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

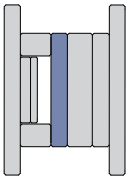


## TL

5080-S-TL.Mat

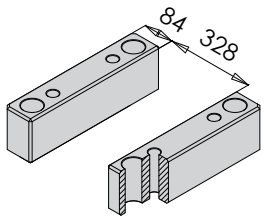


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2085 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

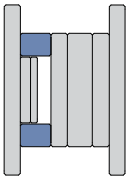


## TP

5080-S-TP.Mat

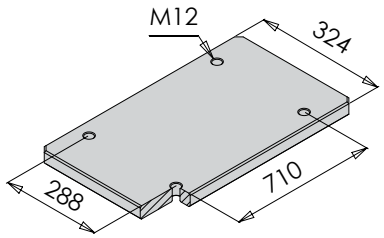



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | ● | ● | ● | ● | | |
| 2085 | | | | | | | | | | | | | ● | ● | ● | ● | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

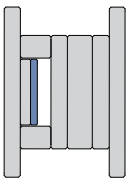


## UL1

5080-S-UL1.Mat

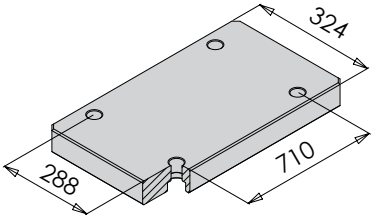



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | | | | | | | | | | | | |
| 2085 | | | | | | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

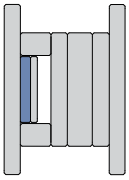


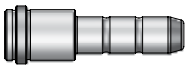
## UL2

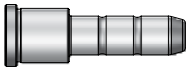
5080-S-UL2.Mat

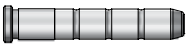



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | | | | | | | | | | | |
| 2085 | | | | | | | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

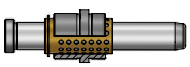


Z1010 - p.128


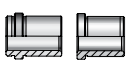
Z1020 - p.130


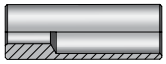
Z1030 - p.132


Z1040 - p.132

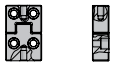

Z1080 - p.133


Z1100 - p.134


Z1210 - p.135


Z1250 - p.136


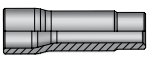
Z1410 - p.137

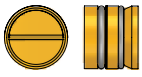

Z1610 - p.138


Z1810 - p.139

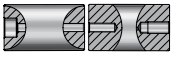

Z2010 - p.140


Z2210/11 - p.141


Z2240 - p.142


Z2251 - p.143


Z2320 - p.144


Z2610 - p.145


Z2820 - p.146


Z3010 - p.148


Z3030 - p.148

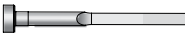

Z3040 - p.149


Z3050 - p.151


Z3060 - p.152


Z3070 - p.153


Z3080 - p.155


Z3090 - p.156


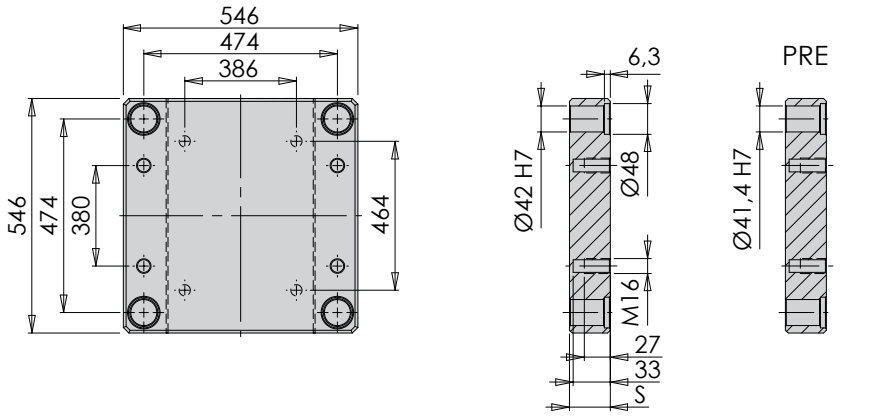
Z3100 - p.157


Z4057 - p.160


# 546 x 546

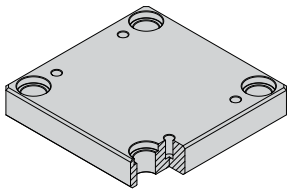
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



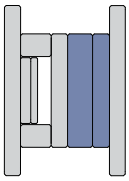

## ML

5555-S-ML.Mat



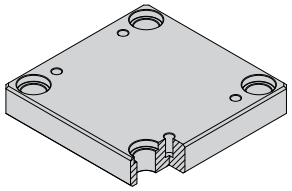
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2085 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2311 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2312 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



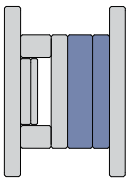
## ML - PRE

5555-S-ML.Mat.PRE



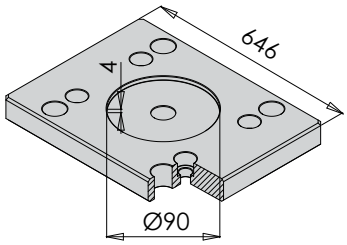
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2311 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2312 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2083 | | | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

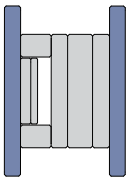


## KL 1

5555-S-KL1.Mat

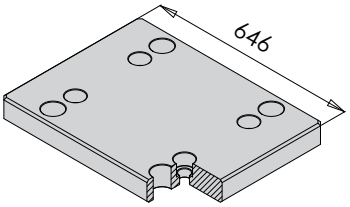



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | ● | ● | | | | | | | | | |
| 2085 | | | | | | | | ● | ● | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

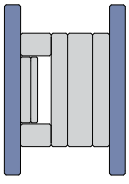


## KL 5

5555-S-KL5.Mat

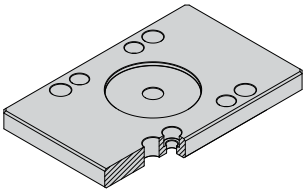



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | ● | ● | | | | | | | | | |
| 2085 | | | | | | | | ● | ● | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

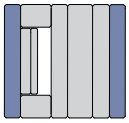


## KL 2

5555-S-KL2.Mat

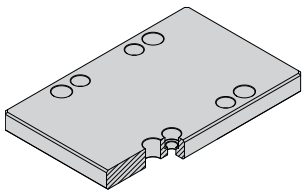


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

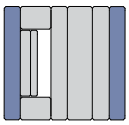


## KL 6

5555-S-KL6.Mat

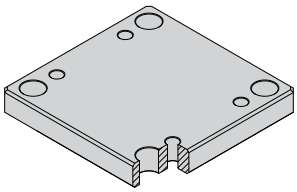


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

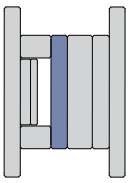


## TL

5555-S-TL.Mat

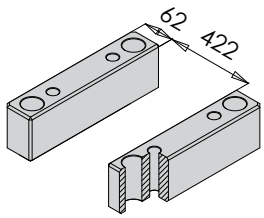


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2085 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

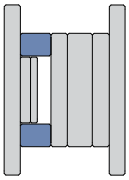


## TP

5555-S-TP.Mat

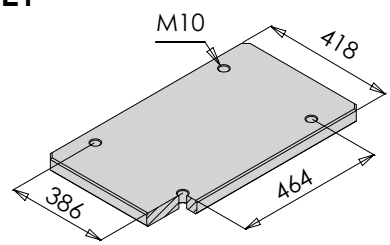



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | ● | ● | ● | ● | ● | ● | | | |
| 2085 | | | | | | | | | | ● | ● | ● | ● | ● | ● | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

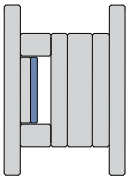


## UL1

5555-S-UL1.Mat

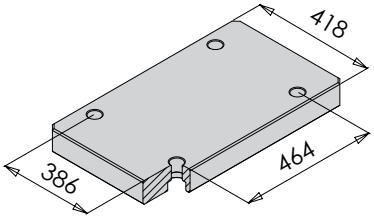



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | | | | | | | | | | | | |
| 2085 | | | | | | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

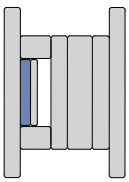


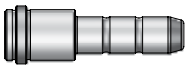
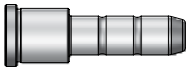
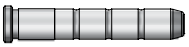
## UL2

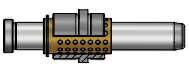
5555-S-UL2.Mat

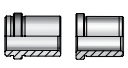
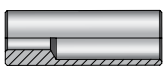



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | | | | | | | | | | | |
| 2085 | | | | | | | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |



Z1010 - p.128

Z1020 - p.130

Z1030 - p.132

Z1040 - p.132

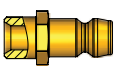
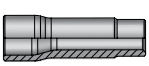
Z1080 - p.133

Z1100 - p.134

Z1210 - p.135

Z1250 - p.136

Z1410 - p.137

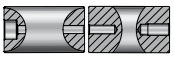
Z1610 - p.138

Z1810 - p.139

Z2010 - p.140

Z2210/11 - p.141

Z2240 - p.142

Z2251 - p.143

Z2320 - p.144

Z2610 - p.145

Z2820 - p.146

Z3010 - p.148

Z3030 - p.148

Z3040 - p.149

Z3050 - p.151

Z3060 - p.152

Z3070 - p.153

Z3080 - p.155

Z3090 - p.156

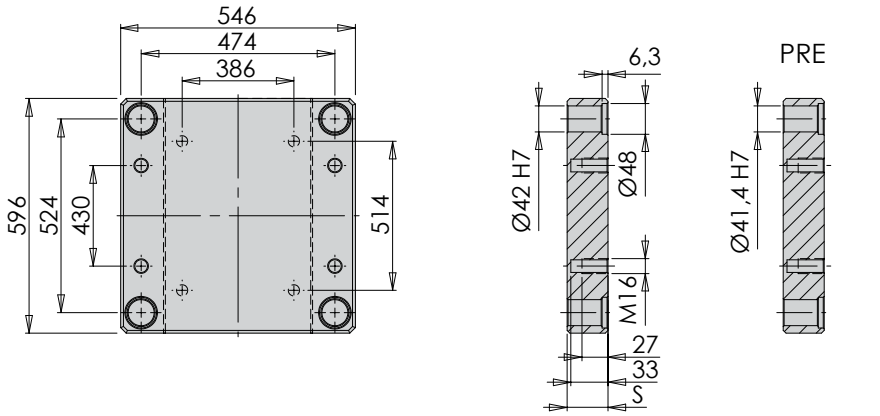
Z3100 - p.157

Z4057 - p.160


# 546 x 596

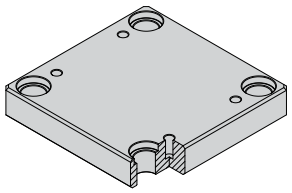
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



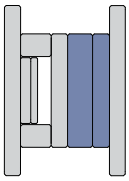

## ML

5560-S-ML.Mat



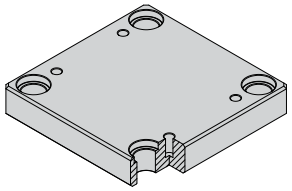
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2085 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2311 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2312 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



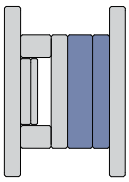
## ML - PRE

5560-S-ML.Mat.PRE



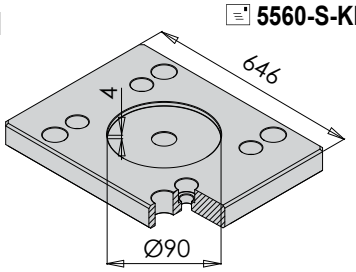
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2311 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2312 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2083 | | | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

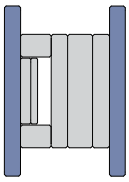


## KL 1

5560-S-KL1.Mat

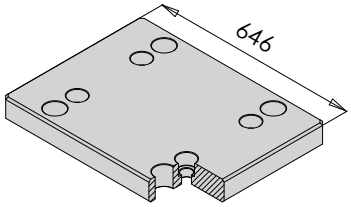



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | ● | ● | | | | | | | | | |
| 2085 | | | | | | | | ● | ● | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

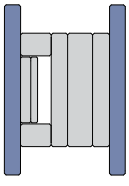


## KL 5

5560-S-KL5.Mat

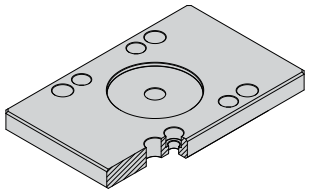



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | ● | ● | | | | | | | | | |
| 2085 | | | | | | | | ● | ● | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

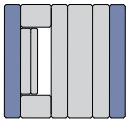


## KL 2

5560-S-KL2.Mat

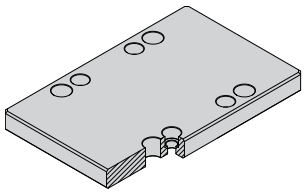


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

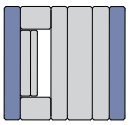


## KL 6

5560-S-KL6.Mat

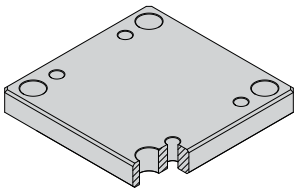


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

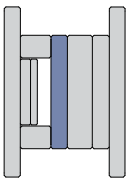


## TL

5560-S-TL.Mat

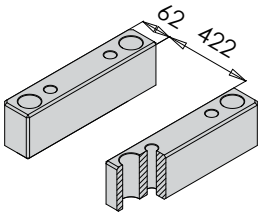


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2085 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

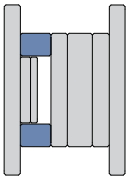


## TP

5560-S-TP.Mat

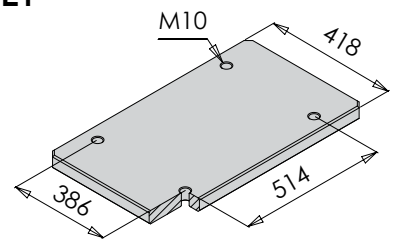



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | ● | ● | ● | ● | ● | ● | | | |
| 2085 | | | | | | | | | | ● | ● | ● | ● | ● | ● | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

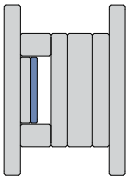


## UL1

5560-S-UL1.Mat

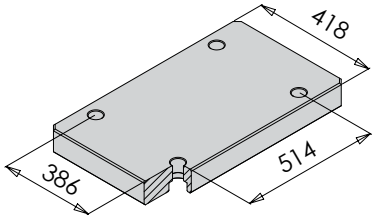



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | | | | | | | | | | | | |
| 2085 | | | | | | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

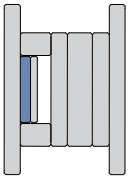


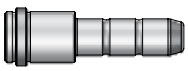
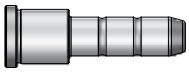
## UL2

5560-S-UL2.Mat

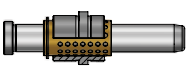


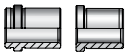
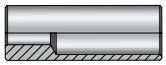

| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | | | | | | | | | | | |
| 2085 | | | | | | | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

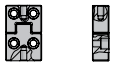


Z1010 - p.128

Z1020 - p.130

Z1030 - p.132

Z1040 - p.132

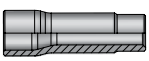
Z1080 - p.133

Z1100 - p.134

Z1210 - p.135

Z1250 - p.136

Z1410 - p.137

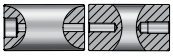
Z1610 - p.138

Z1810 - p.139

Z2010 - p.140

Z2210/11 - p.141

Z2240 - p.142

Z2251 - p.143

Z2320 - p.144

Z2610 - p.145

Z2820 - p.146

Z3010 - p.148

Z3030 - p.148

Z3040 - p.149

Z3050 - p.151

Z3060 - p.152

Z3070 - p.153

Z3080 - p.155

Z3090 - p.156

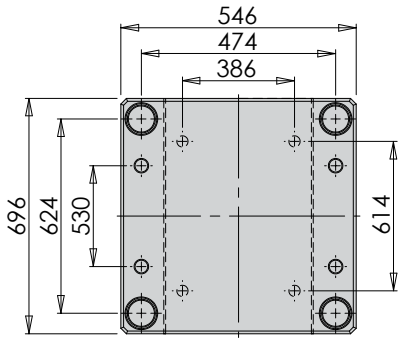
Z3100 - p.157

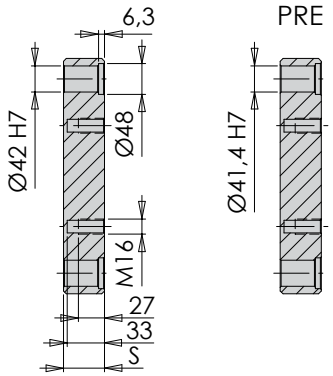
Z4057 - p.160


# 546 x 696

*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

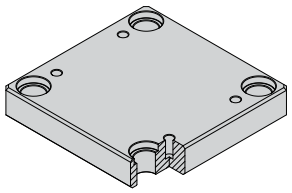
● = *Standardivalikoima*
● = *Standard assortment*
● = *Стандартные диапазон*



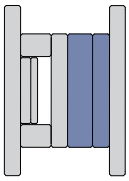

## ML

5570-S-ML.Mat



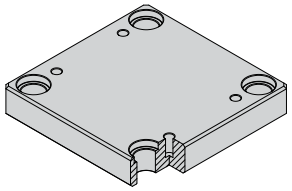
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2085 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2311 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2312 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



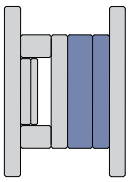
## ML - PRE

5570-S-ML.Mat.PRE



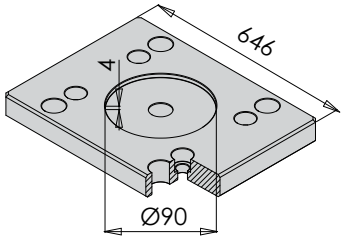
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2311 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2312 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2083 | | | | | | | | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | | | | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | | | | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

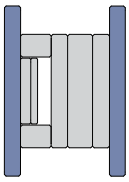


## KL 1

5570-S-KL1.Mat

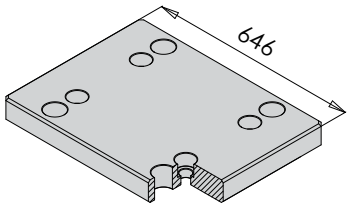



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | ● | ● | | | | | | | | | |
| 2085 | | | | | | | | ● | ● | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

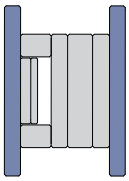


## KL 5

5570-S-KL5.Mat

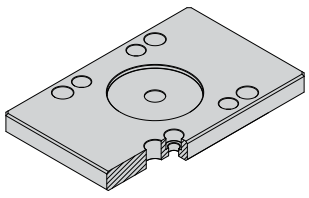



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | ● | ● | | | | | | | | | |
| 2085 | | | | | | | | ● | ● | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

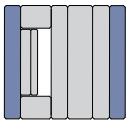


## KL 2

5570-S-KL2.Mat

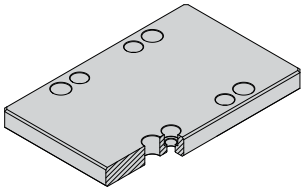


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

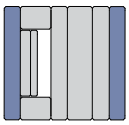


## KL 6

5570-S-KL6.Mat

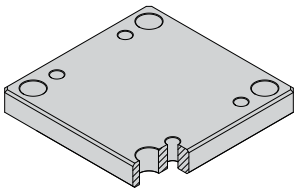


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

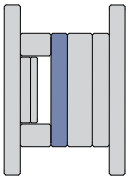


## TL

5570-S-TL.Mat

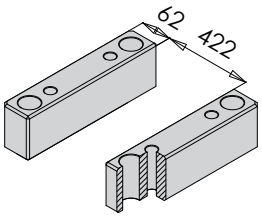


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2085 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

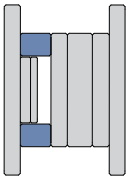


## TP

5570-S-TP.Mat

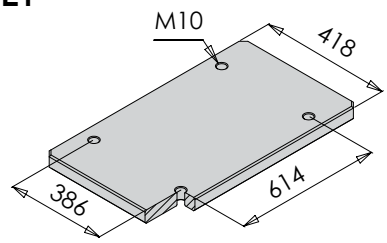



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | ● | ● | ● | ● | ● | | | |
| 2085 | | | | | | | | | | | ● | ● | ● | ● | ● | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

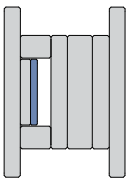


## UL1

5570-S-UL1.Mat

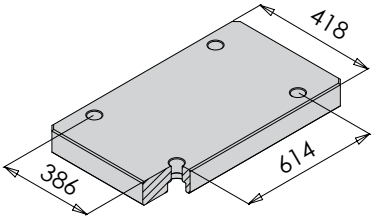



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | | | | | | | | | | | | |
| 2085 | | | | | | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

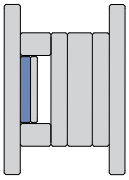


## UL2

5570-S-UL2.Mat




| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | | | | | | | | | | | |
| 2085 | | | | | | | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

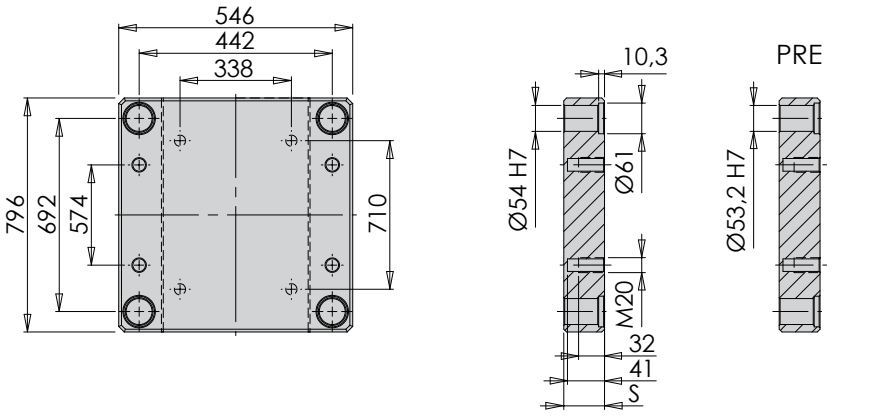


Z1010 - p.128 | Z1020 - p.130 | Z1030 - p.132 | Z1040 - p.132 | Z1080 - p.133 | Z1100 - p.134 | Z1210 - p.135
Z1250 - p.136 | Z1410 - p.137 | Z1610 - p.138 | Z1810 - p.139 | Z2010 - p.140 | Z2210/11 - p.141 | Z2240 - p.142
Z2251 - p.143 | Z2320 - p.144 | Z2610 - p.145 | Z2820 - p.146 | Z3010 - p.148 | Z3030 - p.148 | Z3040 - p.149
Z3050 - p.151 | Z3060 - p.152 | Z3070 - p.153 | Z3080 - p.155 | Z3090 - p.156 | Z3100 - p.157 | Z4057 - p.160

# 546 x 796

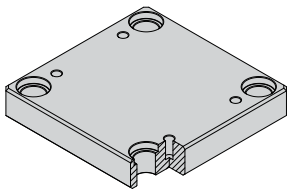
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



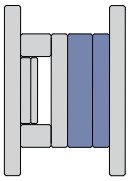

## ML

5580-S-ML.Mat



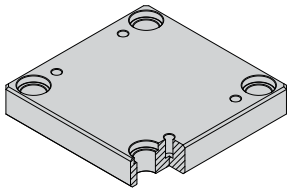
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2085 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2311 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2312 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



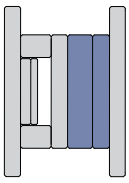
## ML - PRE

5580-S-ML.Mat.PRE



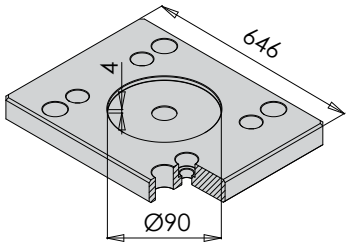
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2311 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2312 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2083 | | | | | | | | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | | | | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | | | | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

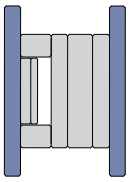


## KL 1

5580-S-KL1.Mat

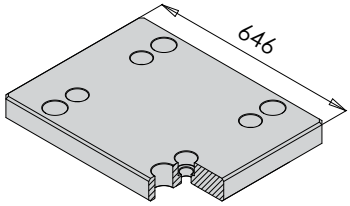



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | ● | | | | | | | | | |
| 2085 | | | | | | | | | ● | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

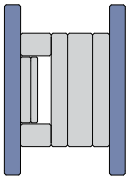


## KL 5

5580-S-KL5.Mat

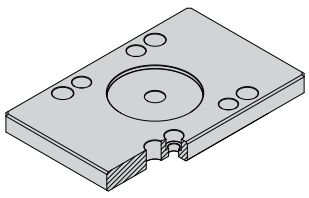



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | ● | | | | | | | | | |
| 2085 | | | | | | | | | ● | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

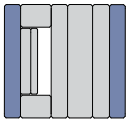


## KL 2

5580-S-KL2.Mat

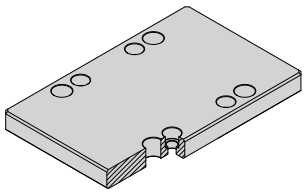


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

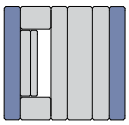


## KL 6

5580-S-KL6.Mat

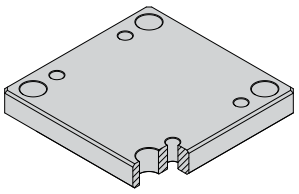


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

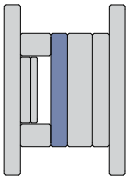


## TL

5580-S-TL.Mat

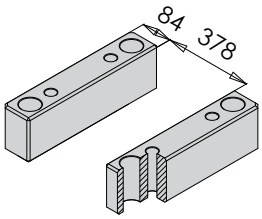


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2085 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

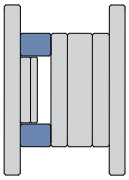


## TP

5580-S-TP.Mat

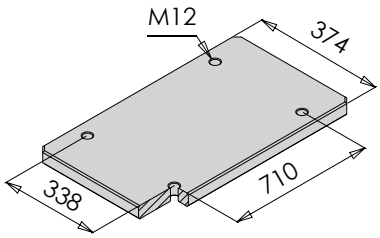



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | ● | ● | ● | ● | | |
| 2085 | | | | | | | | | | | | | ● | ● | ● | ● | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

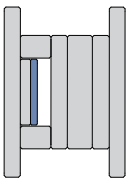


## UL1

5580-S-UL1.Mat

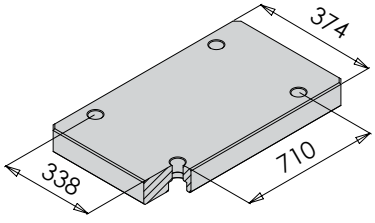



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | | | | | | | | | | | | |
| 2085 | | | | | | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

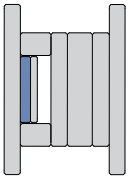


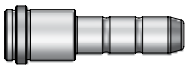
## UL2

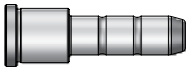
5580-S-UL2.Mat

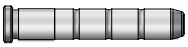



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | | | | | | | | | | | |
| 2085 | | | | | | | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

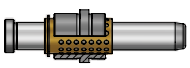


Z1010 - p.128


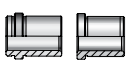
Z1020 - p.130


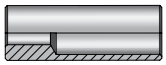
Z1030 - p.132


Z1040 - p.132

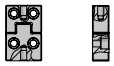

Z1080 - p.133


Z1100 - p.134


Z1210 - p.135


Z1250 - p.136


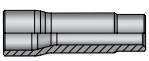
Z1410 - p.137

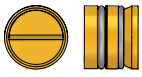

Z1610 - p.138


Z1810 - p.139

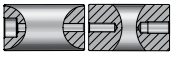

Z2010 - p.140


Z2210/11 - p.141


Z2240 - p.142


Z2251 - p.143


Z2320 - p.144


Z2610 - p.145


Z2820 - p.146


Z3010 - p.148


Z3030 - p.148

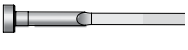

Z3040 - p.149


Z3050 - p.151


Z3060 - p.152


Z3070 - p.153


Z3080 - p.155


Z3090 - p.156


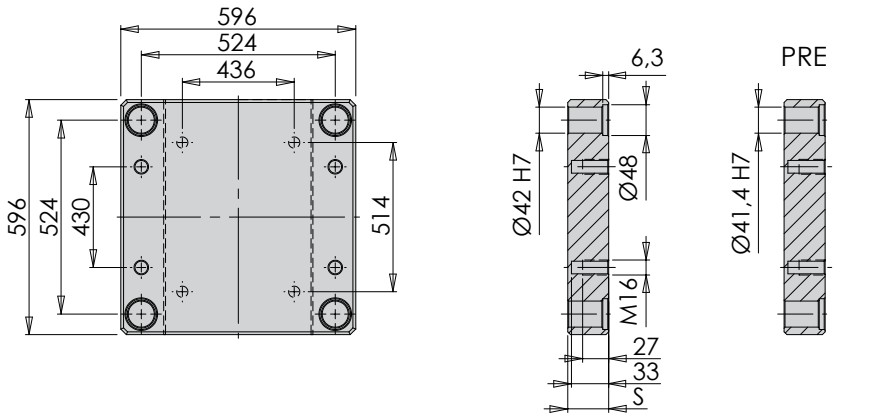
Z3100 - p.157


Z4057 - p.160


# 596 x 596

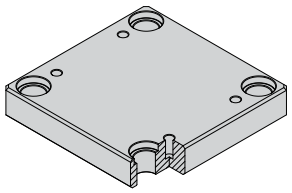
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



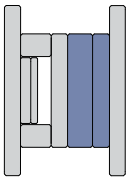

## ML

6060-S-ML.Mat



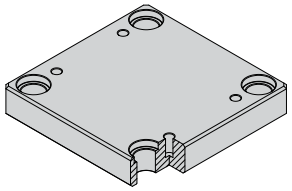
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2085 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2311 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2312 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



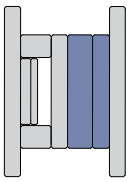
## ML - PRE

6060-S-ML.Mat.PRE



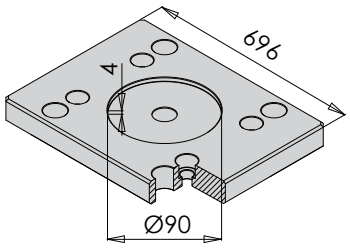
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2311 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2312 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2083 | | | | | | | | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | | | | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | | | | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

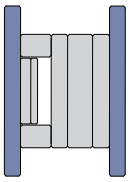


## KL 1

6060-S-KL1.Mat

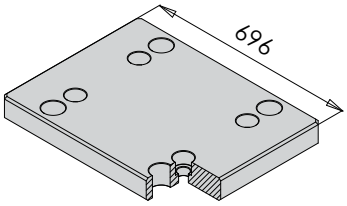



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | ● | ● | | | | | | | | | |
| 2085 | | | | | | | | ● | ● | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

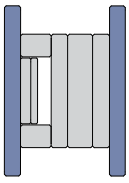


## KL 5

6060-S-KL5.Mat

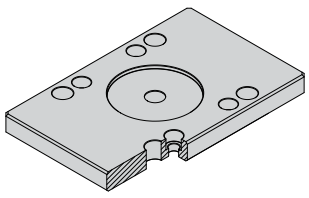



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | ● | ● | | | | | | | | | |
| 2085 | | | | | | | | ● | ● | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

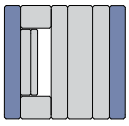


## KL 2

6060-S-KL2.Mat

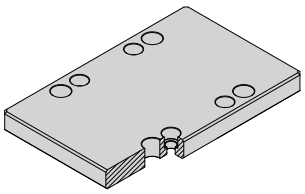


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

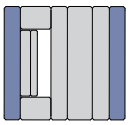


## KL 6

6060-S-KL6.Mat

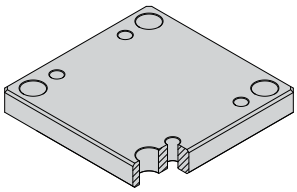


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

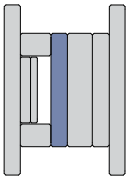


## TL

6060-S-TL.Mat

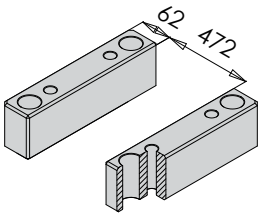


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2085 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

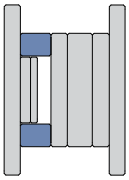


## TP

6060-S-TP.Mat

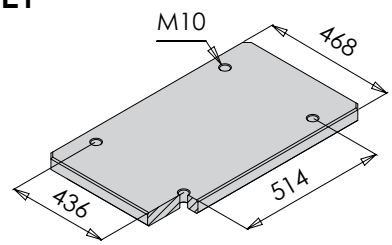



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | ● | ● | ● | ● | ● | ● | | | |
| 2085 | | | | | | | | | | ● | ● | ● | ● | ● | ● | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

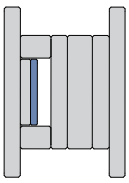


## UL1

6060-S-UL1.Mat

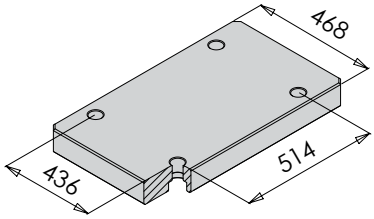



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | | | | | | | | | | | | |
| 2085 | | | | | | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

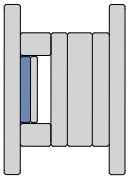


## UL2

6060-S-UL2.Mat




| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | | | | | | | | | | | |
| 2085 | | | | | | | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

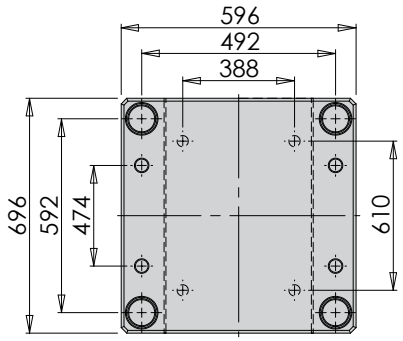


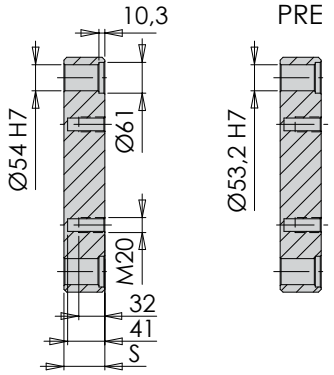
Z1010 - p.128 | Z1020 - p.130 | Z1030 - p.132 | Z1040 - p.132 | Z1080 - p.133 | Z1100 - p.134 | Z1210 - p.135
Z1250 - p.136 | Z1410 - p.137 | Z1610 - p.138 | Z1810 - p.139 | Z2010 - p.140 | Z2210/11 - p.141 | Z2240 - p.142
Z2251 - p.143 | Z2320 - p.144 | Z2610 - p.145 | Z2820 - p.146 | Z3010 - p.148 | Z3030 - p.148 | Z3040 - p.149
Z3050 - p.151 | Z3060 - p.152 | Z3070 - p.153 | Z3080 - p.155 | Z3090 - p.156 | Z3100 - p.157 | Z4057 - p.160

# 596 x 696

*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

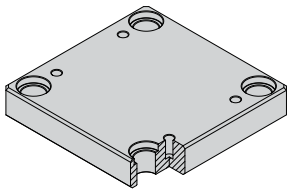
- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



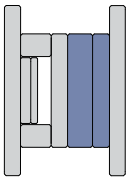

## ML

6070-S-ML.Mat



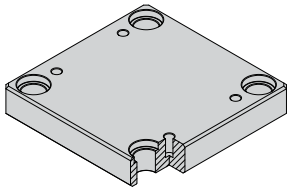
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2085 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2311 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2312 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



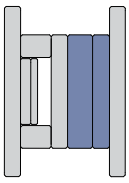
## ML - PRE

6070-S-ML.Mat.PRE



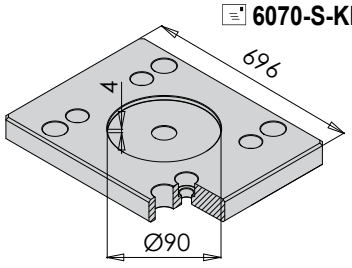
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2311 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2312 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2083 | | | | | | | | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | | | | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | | | | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

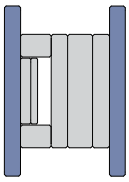


## KL 1

6070-S-KL1.Mat

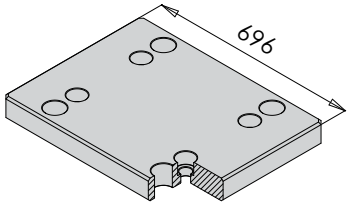



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | ● | | | | | | | | | |
| 2085 | | | | | | | | | ● | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

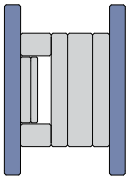


## KL 5

6070-S-KL5.Mat

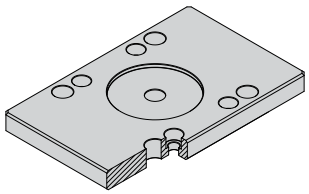



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | ● | | | | | | | | | |
| 2085 | | | | | | | | | ● | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

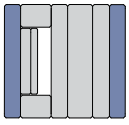


## KL 2

6070-S-KL2.Mat

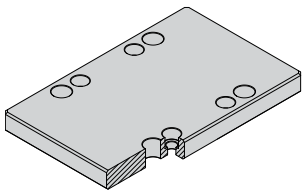


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

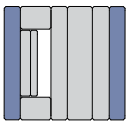


## KL 6

6070-S-KL6.Mat

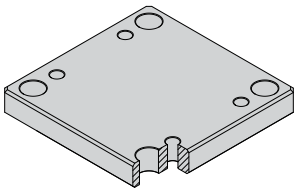


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

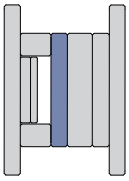


## TL

6070-S-TL.Mat

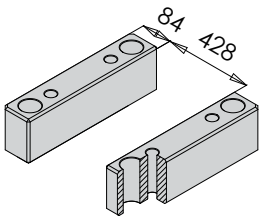


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2085 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

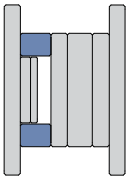


## TP

6070-S-TP.Mat

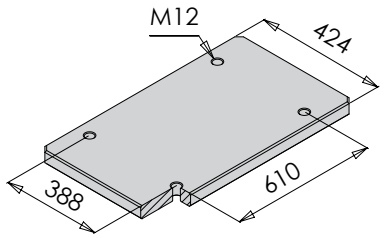



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | ● | ● | ● | ● | | |
| 2085 | | | | | | | | | | | | | ● | ● | ● | ● | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

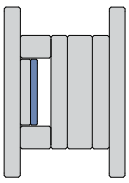


## UL1

6070-S-UL1.Mat

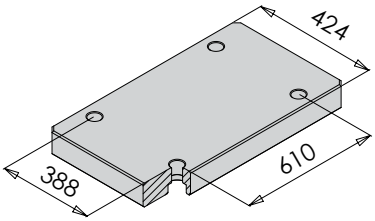



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | | | | | | | | | | | | |
| 2085 | | | | | | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

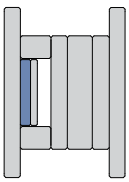


## UL2

6070-S-UL2.Mat




| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | | | | | | | | | | | |
| 2085 | | | | | | | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

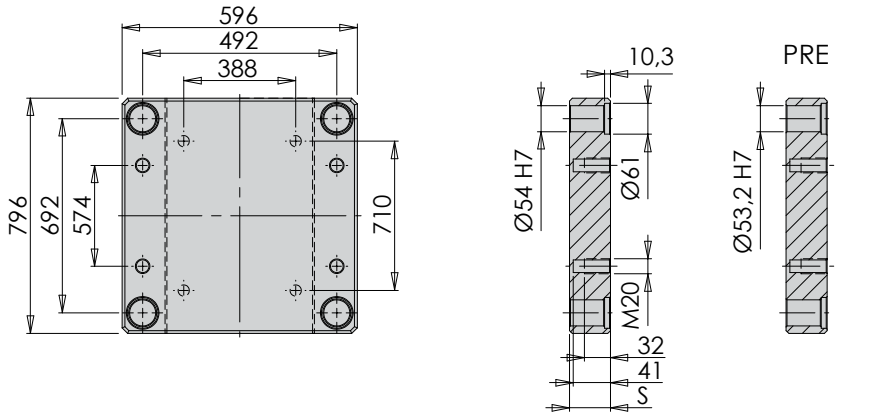


Z1010 - p.128 | Z1020 - p.130 | Z1030 - p.132 | Z1040 - p.132 | Z1080 - p.133 | Z1100 - p.134 | Z1210 - p.135
Z1250 - p.136 | Z1410 - p.137 | Z1610 - p.138 | Z1810 - p.139 | Z2010 - p.140 | Z2210/11 - p.141 | Z2240 - p.142
Z2251 - p.143 | Z2320 - p.144 | Z2610 - p.145 | Z2820 - p.146 | Z3010 - p.148 | Z3030 - p.148 | Z3040 - p.149
Z3050 - p.151 | Z3060 - p.152 | Z3070 - p.153 | Z3080 - p.155 | Z3090 - p.156 | Z3100 - p.157 | Z4057 - p.160

# 596 x 796

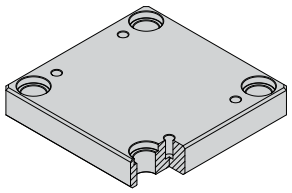
*PRE = Työvara ohjausrei'issä*
*PRE = Working allowance in guiding holes*
*PRE = Технологический припуск*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



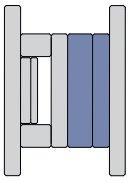

## ML

6080-S-ML.Mat



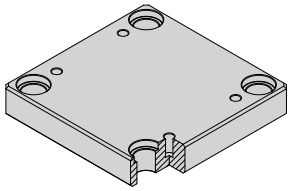
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2085 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2311 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2312 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, Impax S, RAMAX HH, RAMAX LH



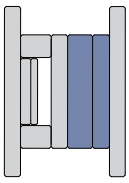
## ML - PRE

6080-S-ML.Mat.PRE



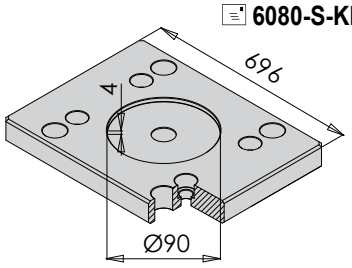
| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2311 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2312 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2083 | | | | | | | | ● | ● | ● | ● | ● | ● | | | | | |
| 2343 | | | | | | | | ● | ● | ● | ● | ● | ● | | | | | |
| STAVAX | | | | | | | | ● | ● | ● | ● | ● | ● | | | | | |

**Muut materiaalit / Other materials / Другие материалы:**
40X, NIMAX, Impax S, Orvar S, RAMAX HH, RAMAX LH

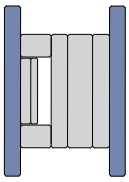


## KL 1

6080-S-KL1.Mat

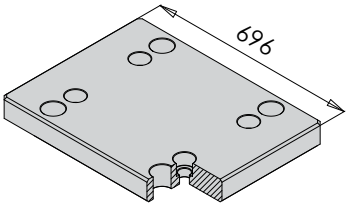



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | ● | | | | | | | | | |
| 2085 | | | | | | | | | ● | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

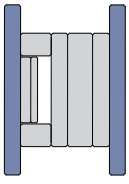


## KL 5

6080-S-KL5.Mat

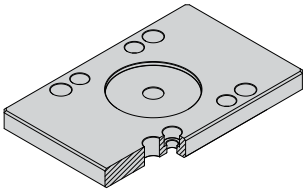



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | ● | | | | | | | | | |
| 2085 | | | | | | | | | ● | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

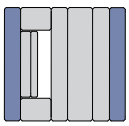


## KL 2

6080-S-KL2.Mat

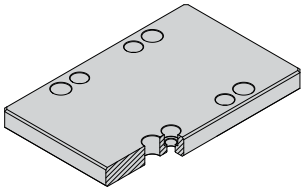


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

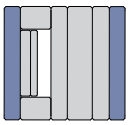


## KL 6

6080-S-KL6.Mat

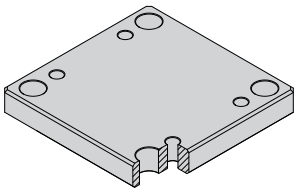


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

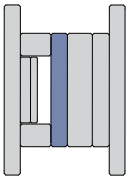


## TL

6080-S-TL.Mat

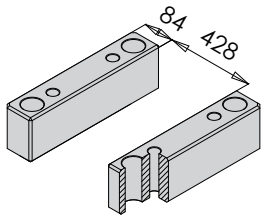


| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2085 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

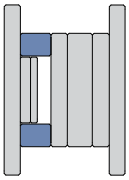


## TP

6080-S-TP.Mat

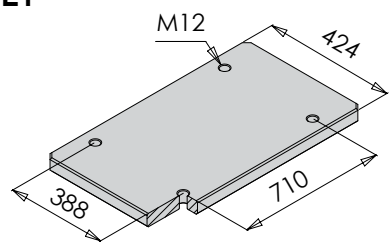



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | | | | | | | ● | ● | ● | ● | | |
| 2085 | | | | | | | | | | | | | ● | ● | ● | ● | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

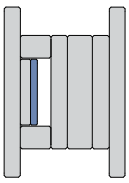


## UL1

6080-S-UL1.Mat

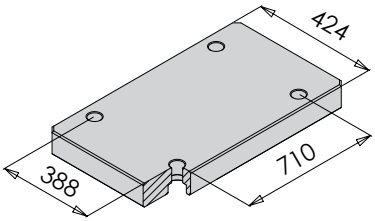



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | ● | | | | | | | | | | | | |
| 2085 | | | | | | ● | | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
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| STAVAX | | | | | | | | | | | | | | | | | | |

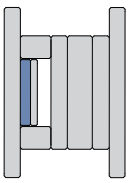


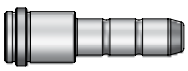
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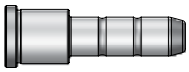
6080-S-UL2.Mat

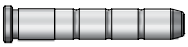



| Mat \ S | 06 | 09 | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 176 | 196 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1730 | | | | | | | ● | | | | | | | | | | | |
| 2085 | | | | | | | ● | | | | | | | | | | | |
| 2311 | | | | | | | | | | | | | | | | | | |
| 2312 | | | | | | | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | | | | | | |
| 2343 | | | | | | | | | | | | | | | | | | |
| STAVAX | | | | | | | | | | | | | | | | | | |

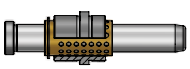


Z1010 - p.128


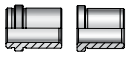
Z1020 - p.130


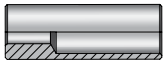
Z1030 - p.132


Z1040 - p.132

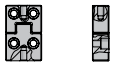

Z1080 - p.133


Z1100 - p.134


Z1210 - p.135


Z1250 - p.136


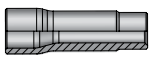
Z1410 - p.137


Z1610 - p.138


Z1810 - p.139

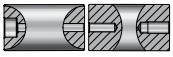

Z2010 - p.140


Z2210/11 - p.141


Z2240 - p.142


Z2251 - p.143


Z2320 - p.144


Z2610 - p.145


Z2820 - p.146


Z3010 - p.148


Z3030 - p.148


Z3040 - p.149


Z3050 - p.151


Z3060 - p.152


Z3070 - p.153


Z3080 - p.155

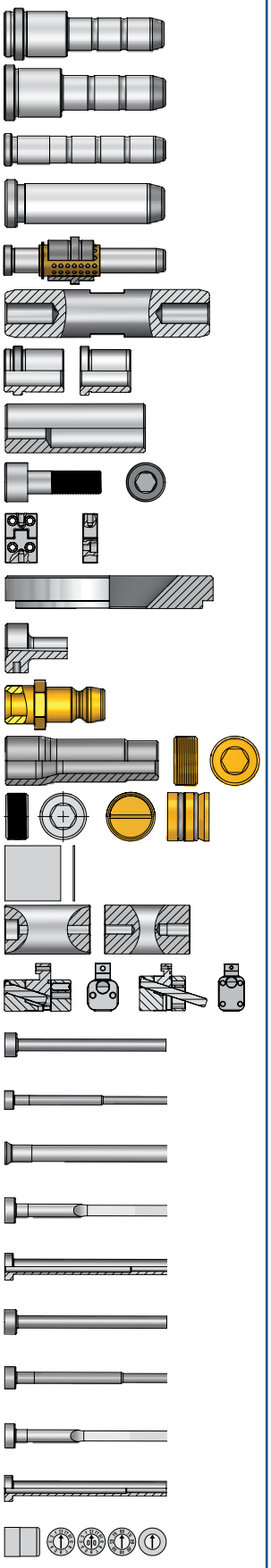

Z3090 - p.156


Z3100 - p.157


- p.160


# Z-Content / Z-Sisällysluettelo / Содержание


| Tuoteryhmä<br>Product group<br>Группа изделий | Sivu<br>Page<br>Страница | Tuote<br>Product<br>Изделий |
|---|---|---|
| Z1010 | 128 | *Ohjaustappi, takaohjauksella /<br>Guide pillar with centering collar / Направляющая колонка* |
| Z1020 | 130 | *Ohjaustappi, ilman takaohjausta /<br>Guide pillar without centering collar / Направляющая колонка* |
| Z1030 | 132 | *Ohjaustappi, suora, voitelu-urilla / Guide pin, straight with<br>oil grooves / Направляющая колонка с канавками* |
| Z1040 | 132 | *Vinotappi, sileä / Angle pin, smooth /<br>Направляющая колонка уловая* |
| Z1080 / Z1090 | 133 | *Kuulaohjausyksikkö kannalla ja ilman / Ball guiding unit with<br>and without collar / Направляющий узел с сепаратором* |
| Z1100 | 134 | *Ulostyöntövarsi / Ejector rod / Хвостовик* |
| Z1210 / Z1230 | 135 | *Ohjausholkki takaohjauksella ja ilman / Guide bush with and without<br>centering collar / Направляющая втулка* |
| Z1250 | 136 | *Keskitysholkki / Centering sleeve /<br>Центрирующая втулка* |
| Z1410 | 137 | *Kuusiokoloruuvi / Socket head cap screw /<br>Винт с внутренним шестигранником* |
| Z1610 | 138 | *Keskitysyksikkö, sivulta kiinnitettävä /<br>Centering unit, clamping from the side / Замок* |
| Z1810 / Z1820 / Z1830 | 139 | *Ohjausrengas / Centering flange / Фланец центрирующий* |
| Z2010 | 140 | *Suutin / Sprue bush / Втулка литниковая* |
| Z2210 / Z2211 | 141 | *Pikaliitinnippa, suora, ilman venttiiliä ja venttiilillä / Connecting nipple<br>(without and with valve) / Быстродействующий наконечник* |
| Z2240 / Z2250 | 142 | *Jatkoputki pikaliitinnipalle / Extension nipple /<br>Удлинительная трубка* |
| Z2251 / Z2252 | 143 | *Tulppa / Screw plug / Заглушка* |
| Z2320 | 144 | *Eristelevy / Thermal insulating sheet / Изоплита* |
| Z2610 / Z2620 | 145 | *Tukipylväs / Support pillar / Стойка* |
| Z2820 | 146 | *Miniluistiyksikkö / Mini slide unit / Блок тяги* |
| Z3010 | 148 | *Ulostyöntötappi, karkaistu, AH /<br>Ejector pin, hardened, AH / Выталкиватель гладкий AH* |
| Z3030 | 150 | *Ulostyöntötappi, karkaistu, vahvistettu CH / Shouldered ejector<br>pin, hardened, CH / Выталкиватель ступенчатый CH* |
| Z3040 | 151 | *Ulostyöntötappi, karkaistu, senkkikanta D / Ejector pin, cone base,<br>hardened, D / Выталкиватель гладкий с конич. головкой D* |
| Z3050 | 153 | *Liuskaulostyöntäjä, karkaistu FAH / Ejector pin, flat, hardened,<br>FAH / Выталкиватель пластинчатый FAH* |
| Z3060 | 154 | *Ulostyöntöholkki, karkaistu / Ejector sleeve, hardened /<br>Выталкиватель трубчатый* |
| Z3070 | 155 | *Ulostyöntötappi, nitrattu A / Ejector pin, nitrated, A / Выталкиватель<br>гладкий азотированный A* |
| Z3080 | 157 | *Ulostyöntötappi, nitrattu, vahvistettu C / Shouldered ejector pin, nitrated,<br>C / Выталкиватель ступенчатый азотированный C* |
| Z3090 | 158 | *Liuskaulostyöntäjä, nitrattu FA / Ejector pin, flat, nitrated, FA /<br>Выталкиватель пластинчатый азотированный FA* |
| Z3100 | 159 | *Ulostyöntöholkki, nitrattu / Ejector sleeve, nitrated / Выталкиватель<br>трубчатый азотированный* |
| Z4057 | 160 | *Päivyri FA / Date stamp FA / Знак маркировки даты* |



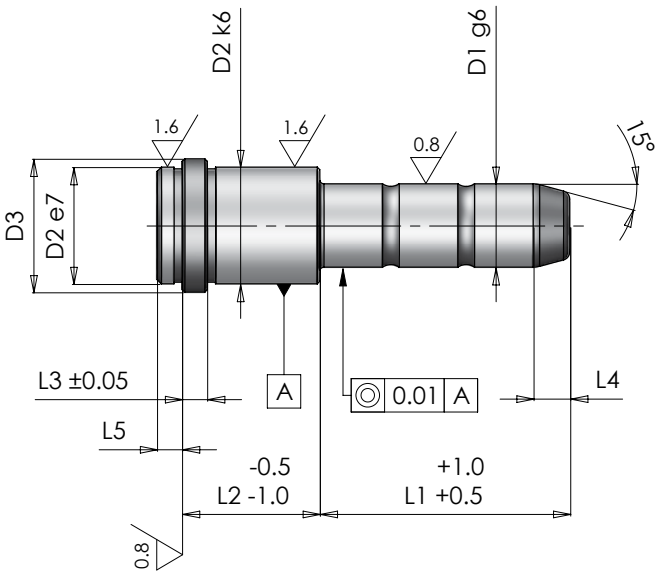
# Standardi osat
# Standard parts
# Стандартные детали

# Z

# Z1010

*Ohjaustappi, takaohjauksella*
*Guide pillar with centering collar*
*Направляющая колонка*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*




## Z1010 / L2 / D1 x L1

**Mat. C 15 / 720 HV**

| D1 | L2 | L1 | | | | | | | | | | | | | | | | | | | | | | | | | L3 | L4 | L5 | D3 | D2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 20 | 25 | 30 | 35 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 85 | 90 | 95 | 105 | 110 | 115 | 120 | 125 | 130 | 135 | 145 | 150 | 155 | 165 | | | | | |
| 10 / 09 | 17 | ● | | ● | | | ● | | | | ● | | | | | | | | | | | | | | | | 3 | 4 | 3 | 16 | 14 |
| | 22 | | ● | | ● | | | ● | | | | ● | | | | | | | | | | | | | | | | | | | | |
| | 27 | ● | | ● | | | ● | | | | ● | | | | | | | | | | | | | | | | | | | | |
| | 36 | | ● | | | ● | | | | ● | | | ● | | | | | | | | | | | | | | | | | | |
| | 46 | | | ● | | ● | | | | | ● | | | | | | | | | | | | | | | | | | | | |
| | 56 | | | | ● | | | | ● | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| D1 | L2 | L1 | | | | | | | | | | | | | | | | | | | | | | | | | L3 | L4 | L5 | D3 | D2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 20 | 25 | 30 | 35 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 85 | 90 | 95 | 105 | 110 | 115 | 120 | 125 | 130 | 135 | 145 | 150 | 155 | 165 | | | | | |
| 15 / 14 | 17 | | | | ● | | | ● | | | | ● | | | ● | | | | | | | | | | | | 6 | 5 | 9 | 25 | 20 |
| | 22 | | | ● | | | ● | | | | ● | | | ● | | | ● | | | ● | | | | ● | | | | | | | |
| | 27 | | | ● | | ● | | | | ● | | | ● | | | ● | | | | ● | | | ● | | | ● | | | | | |
| | 36 | | | | ● | | | ● | | | | ● | | | ● | | | | | ● | | | | | ● | | | | | | |
| | 46 | | | | ● | ● | | | | ● | | | ● | | | ● | | | | ● | | | ● | | | | | | | | |
| | 56 | | | | ● | | | ● | | | | ● | | | ● | | | | | | | ● | | | | | | | | | |
| | 66 | | | | | | | ● | | ● | | | | | ● | | | | | ● | | | | | | | | | | | |
| | 76 | | | | | | | ● | | | | | | | ● | | | | | | | | | | | | | | | | |
| | 86 | | | | | | | ● | | | | | | | ● | | | | | | | | | | | | | | | | |
| | 96 | | | | | | | ● | | | | | | | ● | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| D1 | L2 | L1 | | | | | | | | | | | | | | | | | | | | | | | | | | | L3 | L4 | L5 | D3 | D2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 35 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 85 | 90 | 95 | 105 | 110 | 115 | 120 | 125 | 130 | 135 | 145 | 150 | 155 | 165 | 225 | 245 | 255 | | | | | |
| 20 / 18 | 17 | ● | | | ● | | | | ● | | | | | | | ● | | | | | | | | | | | 6 | 7 | 9 | 31 | 26 |
| | 22 | ● | ● | | | | ● | | | ● | | | | | ● | | | | | | | | | | | | | | | | |
| | 27 | ● | ● | | | | ● | | | ● | | | ● | | | | ● | | | | | | | ● | ● | ● | | | | | |
| | 36 | ● | | | ● | | | | ● | | | ● | | | ● | | | | ● | | | | | ● | ● | | ● | | | | |
| | 46 | ● | ● | | | | ● | | | ● | | | ● | | | | | | ● | | | | | ● | | ● | | | | | |
| | 56 | ● | | | ● | | | | ● | | | ● | | | | | | | | | | ● | | | | | | | | | |
| | 66 | ● | | | ● | | | | ● | | | ● | | | | | | | | ● | | | | | | | | | | | |
| | 76 | | | | ● | | | | ● | | | ● | | | | | | | ● | | | | | | | | | | | | |
| | 86 | | | | ● | | | | ● | | | ● | | | | | ● | | | | | | | | | | | | | | |
| | 96 | | | | ● | | | | ● | | | | | | | | | | | | | | | | | | | | | | |
| | 116 | | | | ● | | | | ● | | | | | | | | | | | | | | | | | | | | | | |
| | 136 | | | | | | | | | | | | | | | | | | ● | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

# Z1010

| D1 | L2 | L1 | | | | | | | | | | | | | | | | | | | | | | | | L3 | L4 | L5 | D3 | D2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 35 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 85 | 90 | 95 | 105 | 110 | 115 | 120 | 125 | 130 | 135 | 145 | 150 | 155 | 165 | 205 | 245 | 285 | | | | | |
| 24 / 22 | 17 | ● | | | ● | | | | ● | | | | | | | | | | | | | | | | | | 6 | 7 | 9 | 35 | 30 |
| | 22 | ● | | | ● | | | | ● | | | | ● | | | | | ● | | | | | | | | | | | | | |
| | 27 | ● | ● | | | | ● | | | ● | | | ● | | | | ● | | | | | | ● | ● | ● | ● | | | | | |
| | 36 | ● | | | ● | | | | ● | | | ● | | | ● | | | | ● | | | | ● | ● | ● | ● | | | | | |
| | 46 | ● | ● | | | | ● | | | | | | ● | | | | ● | | | | | | ● | ● | | | | | | | |
| | 56 | ● | | | ● | | | | ● | | | ● | | | ● | | | | | | | | ● | ● | | | | | | | |
| | 66 | ● | | | ● | | | | ● | | | ● | | | | | | | | | | ● | | | | | | | | | |
| | 76 | | | | ● | | | | ● | | | ● | | | ● | | | | | ● | | | | | | | | | | | |
| | 86 | | | | ● | | | | ● | | | ● | | | | | | | ● | | | | | | | | | | | | |
| | 96 | | | | ● | | | | ● | | | ● | | | | | ● | | | | | | | | | | | | | | |
| | 116 | | | | | | | | ● | | | | | | ● | | | | | | | ● | | | | | | | | | |
| | 136 | | | | | | | | | | | ● | | | | | | | ● | | | | | | | | | | | | |
| | 156 | | | | | | | | | | | | | | | | | | | | | ● | | | | | | | | | |

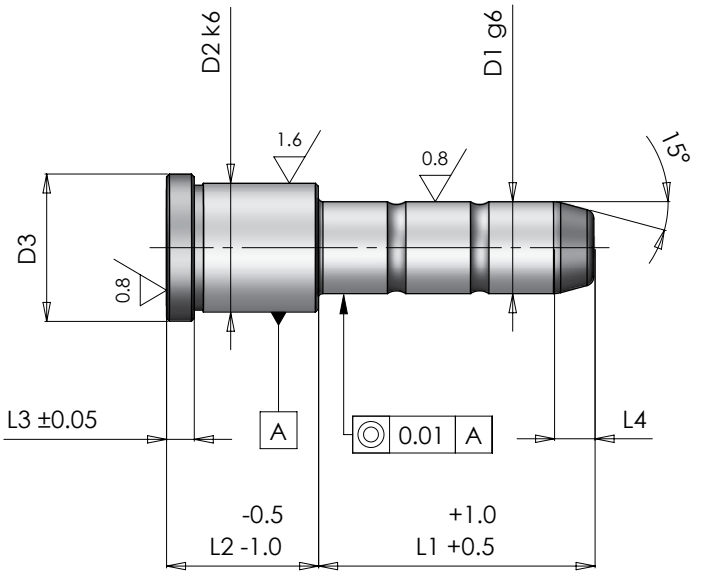
| D1 | L2 | L1 | | | | | | | | | | | | | | | | | | | | | | | | | L3 | L4 | L5 | D3 | D2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 85 | 90 | 95 | 105 | 110 | 115 | 120 | 125 | 135 | 155 | 165 | 175 | 185 | 205 | 225 | 245 | 285 | 295 | | | | | |
| 32 / 30 | 27 | ● | | | | ● | | | | | | ● | | | | | | | ● | | ● | | | ● | ● | | 6 | 7 | 9 | 47 | 42 |
| | 36 | | | ● | | | | ● | | | ● | | | ● | | | | ● | | | | | | ● | ● | | | | | | |
| | 46 | ● | | | | ● | | | ● | | | ● | | | | ● | | | ● | | | | | ● | ● | | | | | | |
| | 56 | | | ● | | | | ● | | | ● | | | ● | | | ● | | | ● | | | | ● | | ● | | | | | |
| | 66 | | | ● | | | | ● | | | ● | | | ● | | | ● | | | ● | | | | ● | | ● | | | | | |
| | 76 | | | ● | | | | ● | | | ● | | | ● | | | | ● | | | | | ● | | | | | | | | |
| | 86 | | | ● | | | | ● | | | ● | | | ● | | | | ● | | | | | ● | | | | | | | | |
| | 96 | | | ● | | | | ● | | | ● | | | ● | | | | ● | | | | ● | | | | | | | | | |
| | 116 | | | | | | | ● | | | | | | ● | | | | ● | | | | | | | | | | | | | |
| | 136 | | | | | | | | | | x | | | ● | | | | ● | | | | | | | | | | | | | |
| | 156 | | | | | | | | | | | | | ● | | | | ● | | | | | | | | | | | | | |
| | 196 | | | | | | | | | | | | | | | | | ● | | | | | | | | | | | | | |

| D1 | L2 | L1 | | | | | | | | | | | | | | | | | | | | | | | | | L3 | L4 | L5 | D3 | D2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 70 | 75 | 85 | 90 | 95 | 105 | 110 | 115 | 120 | 125 | 130 | 135 | 145 | 150 | 155 | 165 | 175 | 185 | 195 | 205 | 215 | 225 | 235 | 245 | 255 | | | | | |
| 42 / 40 | 46 | | | | | ● | | | | | | | | | | | ● | | | | | | | | | | 10 | 10 | 12 | 59 | 54 |
| | 56 | | ● | | | | | | | | | | | | | ● | | | | ● | | | | | | | | | | | |
| | 66 | | ● | | | | | | | | | | ● | | | | | | | | | | | | | | | | | | |
| | 76 | | ● | | | | | | ● | | | | | | | | | ● | | | | | | | | | | | | | |
| | 86 | | ● | | | | | | | | | | ● | | | | | | | | | | | | | | | | | | |
| | 96 | | ● | | | | | | ● | | | | | | | ● | | | | | | | | | | | | | | | |
| | 116 | | | | | ● | | | | | | | ● | | | | | | | ● | | | | | | | | | | | |
| | 136 | | | | | ● | | | | | | | ● | | | | | | | | | ● | | | | | | | | | |
| | 156 | | | | | | | | ● | | | | | | | ● | | | | | | ● | | | | | | | | | |
| | 196 | | | | | | | | | | | | | | | ● | | | | ● | | | | ● | | | | | | | |
| | 246 | | | | | | | | | | | | | | | | ● | | | | | | | | ● | | | | | | |

# Z1020

*Ohjaustappi, ilman takaohjausta*
*Guide pillar without centering collar*
*Направляющая колонка*

- ● = *Standardivalikoima*
- ● = *Standard assortment*
- ● = *Стандартные диапазон*




## Z1020 / L2 / D1 x L1

**Mat. C 15 / 720 HV**

| D1 | L2 | L1 | | | | | | | | | | | | | | | | | | | | | | | | | L3 | L4 | L5 | D3 | D2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 20 | 25 | 30 | 35 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 85 | 90 | 95 | 105 | 110 | 115 | 120 | 125 | 130 | 135 | 145 | 150 | 155 | 165 | | | | | |
| 10 / 09 | 17 | ● | | ● | | | ● | | | | ● | | | | | | | | | | | | | | | | 3 | 4 | 3 | 16 | 14 |
| | 22 | | ● | | ● | | | ● | | | | ● | | | | | | | | | | | | | | | | | | | | |
| | 27 | ● | | ● | | | ● | | | | ● | | | | | | | | | | | | | | | | | | | | |
| | 36 | | ● | | | ● | | | | ● | | | ● | | | | | | | | | | | | | | | | | | |
| | 46 | | | ● | | ● | | | | | ● | | | | | | | | | | | | | | | | | | | | |
| | 56 | | | | ● | | | | ● | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| D1 | L2 | L1 | | | | | | | | | | | | | | | | | | | | | | | | | L3 | L4 | L5 | D3 | D2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 20 | 25 | 30 | 35 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 85 | 90 | 95 | 105 | 110 | 115 | 120 | 125 | 130 | 135 | 145 | 150 | 155 | 165 | | | | | |
| 15 / 14 | 17 | | | | ● | | | ● | | | | ● | | | ● | | | | | | | | | | | | 6 | 5 | 9 | 25 | 20 |
| | 22 | | | ● | | | ● | | | | ● | | | ● | | | ● | | | ● | | | | ● | | | | | | | |
| | 27 | | | ● | | ● | | | | ● | | | ● | | | ● | | | | ● | | | ● | | | ● | | | | | |
| | 36 | | | | ● | | | ● | | | | ● | | | ● | | | | | ● | | | | | ● | | | | | | |
| | 46 | | | | ● | ● | | | | ● | | | ● | | | ● | | | | ● | | | ● | | | | | | | | |
| | 56 | | | | ● | | | ● | | | | ● | | | ● | | | | | | | ● | | | | | | | | | |
| | 66 | | | | | | | ● | | ● | | | | | ● | | | | | ● | | | | | | | | | | | |
| | 76 | | | | | | | ● | | | | | | | ● | | | | | | | | | | | | | | | | |
| | 86 | | | | | | | ● | | | | | | | ● | | | | | | | | | | | | | | | | |
| | 96 | | | | | | | ● | | | | | | | ● | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| D1 | L2 | L1 | | | | | | | | | | | | | | | | | | | | | | | | | L3 | L4 | L5 | D3 | D2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 35 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 85 | 90 | 95 | 105 | 110 | 115 | 120 | 125 | 130 | 135 | 145 | 150 | 155 | 165 | 225 | 245 | 255 | | | | | |
| 20 / 18 | 17 | ● | | | ● | | | | ● | | | | | | | ● | | | | | | | | | | | 6 | 7 | 9 | 31 | 26 |
| | 22 | ● | ● | | | | ● | | | ● | | | | | ● | | | | | | | | | | | | | | | | |
| | 27 | ● | ● | | | | ● | | | ● | | | ● | | | | ● | | | | | | | ● | ● | ● | | | | | |
| | 36 | ● | | | ● | | | | ● | | | ● | | | ● | | | | ● | | | | | ● | ● | | ● | | | | |
| | 46 | ● | ● | | | | ● | | | ● | | | ● | | | | | | ● | | | | | ● | | ● | | | | | |
| | 56 | ● | | | ● | | | | ● | | | ● | | | | | | | | | | ● | | | | | | | | | |
| | 66 | ● | | | ● | | | | ● | | | ● | | | | | | | | ● | | | | | | | | | | | |
| | 76 | | | | ● | | | | ● | | | ● | | | | | | | ● | | | | | | | | | | | | |
| | 86 | | | | ● | | | | ● | | | ● | | | | | ● | | | | | | | | | | | | | | |
| | 96 | | | | ● | | | | ● | | | | | | | | | | | | | | | | | | | | | | |
| | 116 | | | | ● | | | | ● | | | | | | | | | | | | | | | | | | | | | | |
| | 136 | | | | | | | | | | | | | | | | | | ● | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

# Z1020

| D1 | L2 | L1 | | | | | | | | | | | | | | | | | | | | | | | | | L3 | L4 | L5 | D3 | D2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 35 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 85 | 90 | 95 | 105 | 110 | 115 | 120 | 125 | 130 | 135 | 145 | 150 | 155 | 165 | 205 | 245 | 285 | | | | | |
| 24 / 22 | 17 | ● | | | ● | | | | ● | | | | | | | | | | | | | | | | | | 6 | 7 | 9 | 35 | 30 |
| | 22 | ● | | | ● | | | | ● | | | | ● | | | | | ● | | | | | | | | | | | | | |
| | 27 | ● | ● | | | | ● | | | ● | | | ● | | | | ● | | | | | | ● | ● | ● | ● | | | | | |
| | 36 | ● | | | ● | | | | ● | | | ● | | | ● | | | | ● | | | | ● | ● | ● | ● | | | | | |
| | 46 | ● | ● | | | | ● | | | | | | ● | | | | ● | | | | | | ● | ● | | | | | | | |
| | 56 | ● | | | ● | | | | ● | | | ● | | | ● | | | | | | | | ● | ● | | | | | | | |
| | 66 | ● | | | ● | | | | ● | | | ● | | | | | | | | | | ● | | | | | | | | | |
| | 76 | | | | ● | | | | ● | | | ● | | | ● | | | | | ● | | | | | | | | | | | |
| | 86 | | | | ● | | | | ● | | | ● | | | | | | | ● | | | | | | | | | | | | |
| | 96 | | | | ● | | | | ● | | | ● | | | | | ● | | | | | | | | | | | | | | |
| | 116 | | | | | | | | ● | | | | | | ● | | | | | | | ● | | | | | | | | | |
| | 136 | | | | | | | | | | | ● | | | | | | | ● | | | | | | | | | | | | |
| | 156 | | | | | | | | | | | | | | | | | | | | | ● | | | | | | | | | |

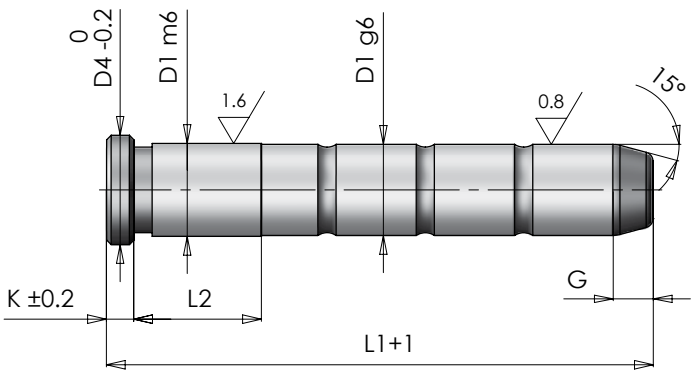
| D1 | L2 | L1 | | | | | | | | | | | | | | | | | | | | | | | | | L3 | L4 | L5 | D3 | D2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 85 | 90 | 95 | 105 | 110 | 115 | 120 | 125 | 135 | 155 | 165 | 175 | 185 | 205 | 225 | 245 | 285 | 295 | | | | | |
| 32 / 30 | 27 | ● | | | | ● | | | | | | ● | | | | | | | ● | | ● | | | ● | ● | | 6 | 7 | 9 | 47 | 42 |
| | 36 | | | ● | | | | ● | | | ● | | | ● | | | | ● | | | | | | ● | ● | | | | | | |
| | 46 | ● | | | | ● | | | ● | | | ● | | | | ● | | | ● | | | | | ● | ● | | | | | | |
| | 56 | | | ● | | | | ● | | | ● | | | ● | | | ● | | | ● | | | | ● | | ● | | | | | |
| | 66 | | | ● | | | | ● | | | ● | | | ● | | | ● | | | ● | | | | ● | | ● | | | | | |
| | 76 | | | ● | | | | ● | | | ● | | | ● | | | | ● | | | | | ● | | | | | | | | |
| | 86 | | | ● | | | | ● | | | ● | | | ● | | | | ● | | | | | ● | | | | | | | | |
| | 96 | | | ● | | | | ● | | | ● | | | ● | | | | ● | | | | ● | | | | | | | | | |
| | 116 | | | | | | | ● | | | | | | ● | | | | ● | | | | | | | | | | | | | |
| | 136 | | | | | | | | | | ● | | | ● | | | | ● | | | | | | | | | | | | | |
| | 156 | | | | | | | | | | | | | ● | | | | ● | | | | | | | | | | | | | |
| | 196 | | | | | | | | | | | | | | | | | ● | | | | | | | | | | | | | |

| D1 | L2 | L1 | | | | | | | | | | | | | | | | | | | | | | | | | L3 | L4 | L5 | D3 | D2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 70 | 75 | 85 | 90 | 95 | 105 | 110 | 115 | 120 | 125 | 130 | 135 | 145 | 150 | 155 | 165 | 175 | 185 | 195 | 205 | 215 | 225 | 235 | 245 | 255 | | | | | |
| 42 / 40 | 46 | | | | | ● | | | | | | | | | | | ● | | | | | | | | | | 10 | 10 | 12 | 59 | 54 |
| | 56 | | ● | | | | | | | | | | | | | ● | | | | ● | | | | | | | | | | | |
| | 66 | | ● | | | | | | | | | | ● | | | | | | | | | | | | | | | | | | |
| | 76 | | ● | | | | | | ● | | | | | | | | | ● | | | | | | | | | | | | | |
| | 86 | | ● | | | | | | | | | | ● | | | | | | | | | | | | | | | | | | |
| | 96 | | ● | | | | | | ● | | | | | | | ● | | | | | | | | | | | | | | | |
| | 16 | | | | | ● | | | | | | | ● | | | | | | | ● | | | | | | | | | | | |
| | 136 | | | | | ● | | | | | | | ● | | | | | | | | | ● | | | | | | | | | |
| | 156 | | | | | | | | ● | | | | | | | ● | | | | | | ● | | | | | | | | | |
| | 196 | | | | | | | | | | | | | | | ● | | | | ● | | | | ● | | | | | | | |
| | 246 | | | | | | | | | | | | | | | | ● | | | | | | | | ● | | | | | | |

# Z1030

*Ohjaustappi, suora, voitelu-urilla*
*Guide pin, straight with oil grooves*
*Направляющая колонка с канавками*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*




## Z1030 / D1 x L1

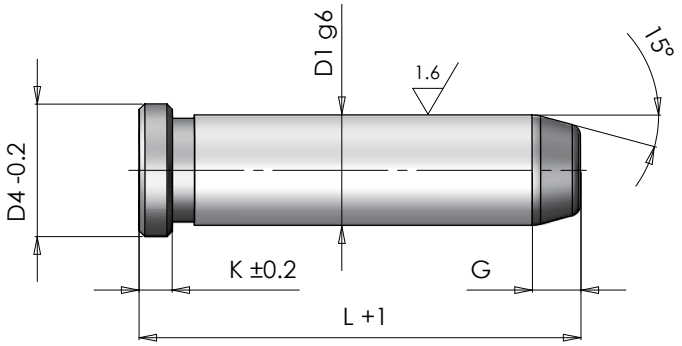
**Mat. C 15 / 720 HV**

| D1 | L1 | | | | | | | | | | | | | K | G | D4 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 300 | 360 | | | |
| 10 | ● | ● | ● | ● | | | | | | | | | | 3 | 4 | 12 |
| 12 | ● | ● | ● | ● | ● | ● | ● | | | | | | | 6 | 7 | 16 |
| 14 | | ● | ● | ● | ● | ● | ● | ● | | | | | | 8 | 7 | 18 |
| 15 | | ● | ● | ● | ● | ● | ● | ● | | | | | | 8 | 7 | 20 |
| 16 | ● | ● | ● | ● | ● | ● | ● | | | | | | | 8 | 7 | 22 |
| 18 | | ● | ● | ● | ● | ● | ● | ● | ● | | ● | | | 8 | 7 | 24 |
| 20 | | ● | ● | ● | ● | ● | ● | ● | ● | | ● | | | 8 | 7 | 26 |
| 22 | | | ● | ● | ● | ● | ● | ● | ● | | ● | | | 15 | 7 | 28 |
| 24 | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | 15 | 7 | 36 |
| 30 | | | | ● | ● | | ● | | ● | | ● | ● | | 15 | 7 | 36 |
| 32 | | | | ● | ● | | ● | | ● | | ● | | | 15 | 10 | 48 |
| 40 | | | | | | | ● | | ● | | ● | ● | | 15 | 15 | 58 |

# Z1040

*Vinotappi, sileä*
*Angle pin, smooth*
*Направляющая колонка угловая*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*




## Z1040 / D1 x L

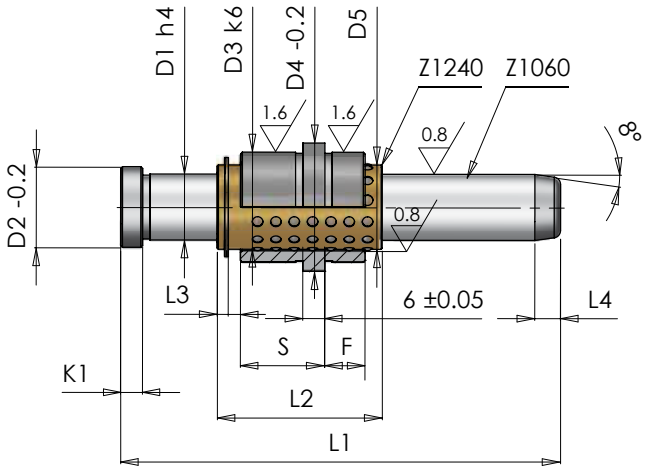
**Mat. C 15 / 720 HV**

| D1 | L | | | | | | | | | | | | | K | G | D4 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 300 | 360 | | | |
| 10 | ● | ● | ● | ● | | | | | | | | | | 3 | 4 | 12 |
| 12 | ● | ● | ● | ● | ● | ● | ● | | | | | | | 6 | 7 | 16 |
| 14 | | ● | ● | ● | ● | ● | ● | ● | | | | | | 8 | 7 | 18 |
| 15 | | ● | ● | ● | ● | ● | ● | ● | | | | | | 8 | 7 | 20 |
| 16 | ● | ● | ● | ● | ● | ● | ● | | | | | | | 8 | 7 | 22 |
| 18 | | ● | ● | ● | ● | ● | ● | ● | ● | | ● | | | 8 | 7 | 24 |
| 20 | | ● | ● | ● | ● | ● | ● | ● | ● | | ● | | | 8 | 7 | 26 |
| 22 | | | ● | ● | ● | ● | ● | ● | ● | | ● | | | 15 | 7 | 28 |
| 24 | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | 15 | 7 | 36 |
| 30 | | | | ● | ● | | ● | | ● | | ● | ● | | 15 | 7 | 36 |
| 32 | | | | ● | ● | | ● | | ● | | ● | | | 15 | 10 | 48 |
| 40 | | | | | | | ● | | ● | | ● | ● | | 15 | 15 | 58 |

# Z1080

*Kuulaohjausyksikkö,kannalla*
*Ball guiding unit with collar*
*Направляющий узел с сепаратором*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*




**K = Kanta**
**K = Base**
**K = технологическая база**

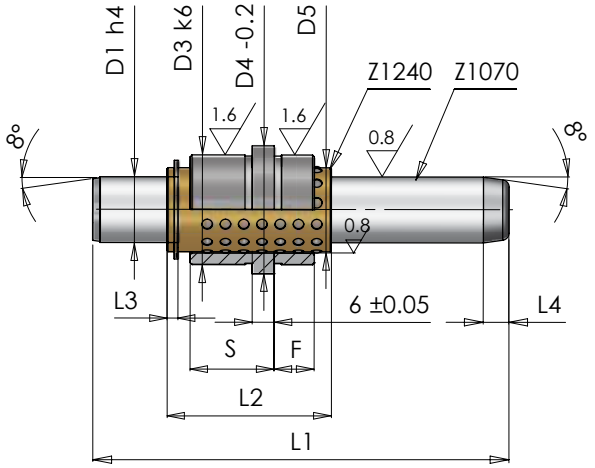
## Z1080 / D1 x L2 / L1/ K

| D1 | L1 | L2 | | | | | | D4 | D3 | D2 | L4 | S | F |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 40 | 45 | 56 | 71 | 75 | 95 | | | | | | |
| 12 | 80 | ● | | ● | | | | 26 | 22 | 16 | 4 | 18 | 6 |
| | 100 | ● | | ● | | | | | | | | | |
| | 120 | ● | | ● | | | | | | | | | |
| 18 | 120 | | ● | ● | ● | | | 35 | 30 | 22 | 7 | 23 | 11 |
| | 140 | | ● | ● | ● | | | | | | | | |
| | 160 | | ● | ● | ● | | | | | | | | |
| 30 | 160 | | | ● | | ● | ● | 52 | 46 | 37 | 7 | 33 | 21 |
| | 200 | | | ● | | ● | ● | | | | | | |
| | 240 | | | ● | | ● | ● | | | | | | |

# Z1090

*Kuulaohjausyksikkö, ilman kantaa*
*Ball guiding unit without collar*
*Модуль направляющего устройства*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



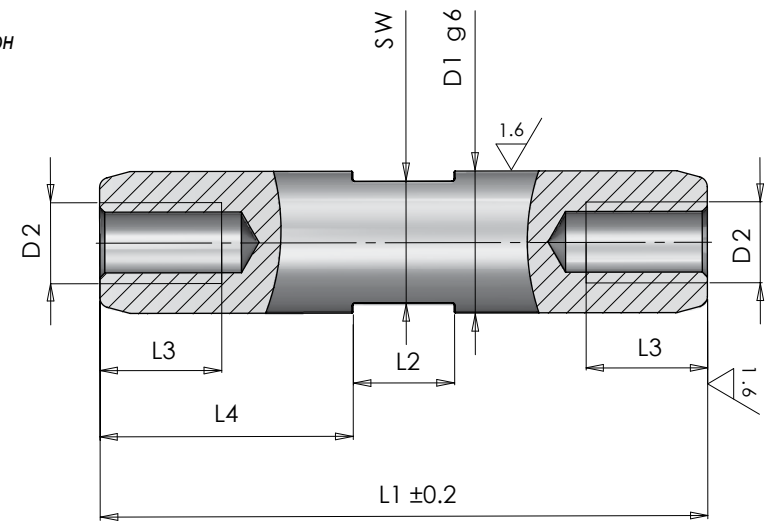

## Z1090 / D1 x L2 / L1

| D1 | L1 | L2 | | | | | | D4 | D3 | S | F | L4 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 40 | 45 | 56 | 71 | 75 | 95 | | | | | |
| 12 | 100 | ● | | ● | | | | 26 | 22 | 18 | 6 | 4 |
| | 125 | ● | | ● | | | | | | | | |
| 18 | 125 | | ● | ● | ● | | | 35 | 30 | 23 | 11 | 7 |
| | 160 | | ● | ● | ● | | | | | | | |
| 30 | 160 | | | ● | | ● | ● | 52 | 46 | 33 | 21 | 7 |
| | 240 | | | ● | | ● | ● | | | | | |

# Z1100

*Ulostyöntövarsi*
*Ejector rod*
*Стержень выталкивателя*

- ● = *Standardivalikoima*
- ● = *Standard assortment*
- ● = *Стандартные диапазон*




## Z1100 / D1 x L1

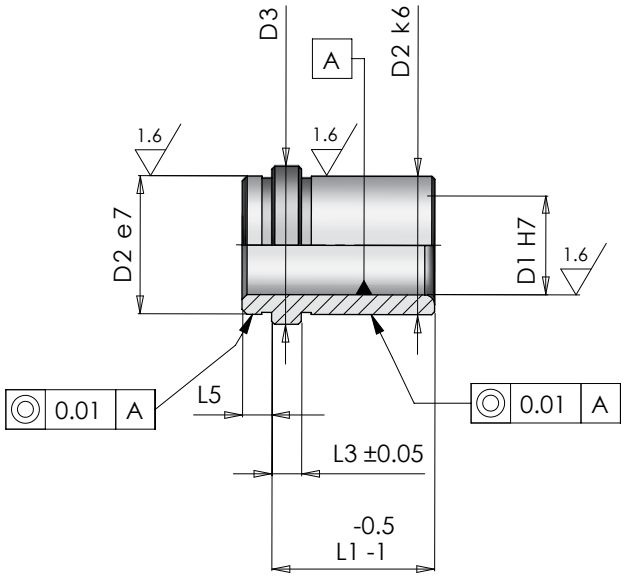
**Mat. C 15 / 720 HV**

| D1 | L1 | | | | | | | | | | D2 | L3 | L4 | SW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | | | | |
| 14 | ● | ● | ● | ● | ● | ● | ● | | | | M8 | 12 | 25 | 12 |
| 18 | | | ● | ● | ● | ● | ● | ● | ● | ● | M10 | 18 | 45 | 14 |
| 24 | | | | ● | ● | ● | ● | ● | ● | ● | M12 | 22 | 50 | 19 |

# Z1210

*Ohjausholkki, takaohjauksella*
*Guide bush with centering collar*
*Направляющая втулка*

- ● = *Standardivalikoima*
- ● = *Standard assortment*
- ● = *Стандартные диапазон*




## Z1210 / D1 x L1

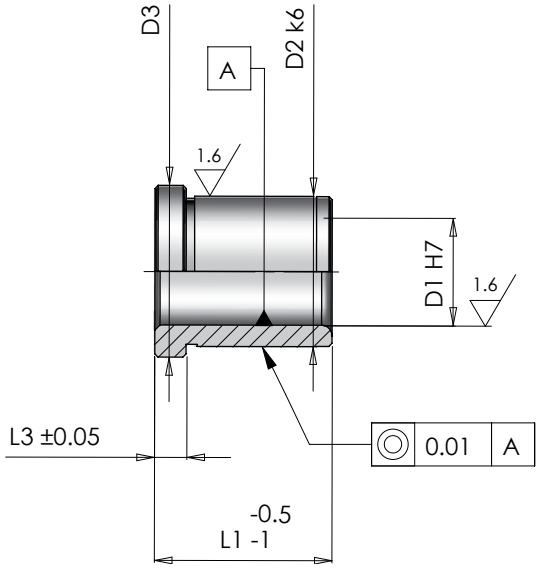
**Mat. C 15 / 720 HV**

| D1 | L1 | | | | | | | | | | | | | | | | L3 | L5 | D3 | D2 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 196 | 246 | | | | | | | | |
| 10 / 09 | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | 3 | 3 | 16 | 14 | | | | |
| 15 / 14 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | 6 | 9 | 25 | 20 | | | | |
| 20 / 18 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | 6 | 9 | 31 | 26 | | | | |
| 24 / 22 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | 6 | 9 | 35 | 30 | | | | |
| 32 / 30 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | 6 | 9 | 47 | 42 | | | | |
| 42 / 40 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | 10 | 12 | 59 | 54 | | | | |

# Z1230

*Ohjausholkki,ilman takaohjausta*
*Guide bush without centering collar*
*Направляющая втулка*

- ● = *Standardivalikoima*
- ● = *Standard assortment*
- ● = *Стандартные диапазон*




## Z1230 / D1 x L1

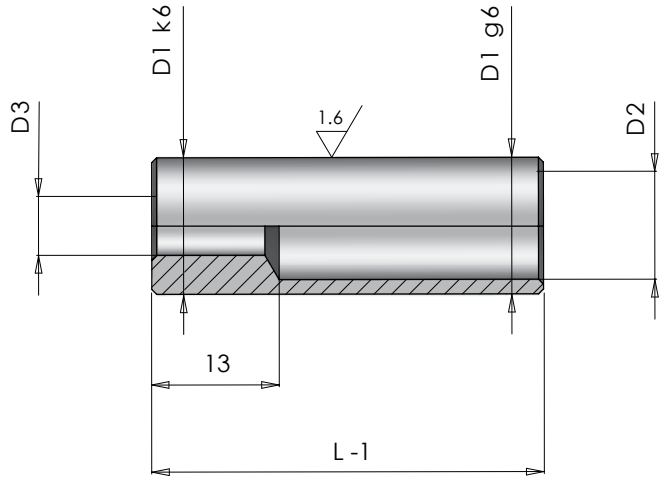
**Mat. C 15 / 720 HV**

| D1 | L1 | | | | | | | | | | | | | | | | L3 | D3 | D2 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12 | 17 | 22 | 27 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 116 | 136 | 156 | 196 | 246 | | | | | | | | |
| 10 / 09 | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | 3 | 16 | 14 | | | | | |
| 15 / 14 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | 6 | 25 | 20 | | | | | |
| 20 / 18 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | 6 | 31 | 26 | | | | | |
| 24 / 22 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | 6 | 35 | 30 | | | | | |
| 32 / 30 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | 6 | 47 | 42 | | | | | |
| 42 / 40 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | 10 | 60 | 54 | | | | | |

# Z1250

*Keskitysholkki*
*Centering sleeve*
*Центрирующая втулка*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*



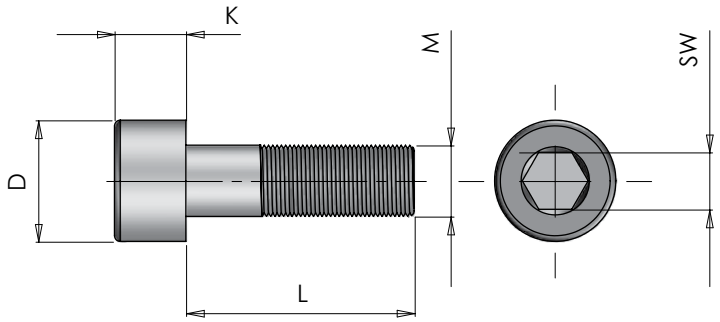

## Z1250 / D1 x L

| D1 | L | | | | | | | | | | | | | | | | | D3 | D2 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | | | | | | | |
| 14 | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | M8 | 11 | | | | | |
| 20 | | ● | ● | | ● | | ● | ● | ● | ● | ● | | | | | | | M12 | 16 | | | | | |
| 26 | | ● | ● | | ● | | ● | ● | ● | ● | ● | ● | | | | | | M12 | 21 | | | | | |
| 30 | | ● | ● | | ● | | ● | ● | ● | ● | ● | ● | ● | | ● | | | M12 | 25 | | | | | |
| 42 | | | ● | | ● | | ● | ● | ● | ● | ● | ● | ● | ● | | ● | | M12 | 33 | | | | | |
| 54 | | | | | ● | | ● | | ● | | ● | | ● | | ● | | ● | M12 | 43 | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |

# Z1410

*Kuusiokoloruuvi*
*Socket head cap screw*
*Винт с внутренним шестигранником*

- ● = *Standardivalikoima*
- ● = *Standard assortment*
- ● = *Стандартные диапазон*



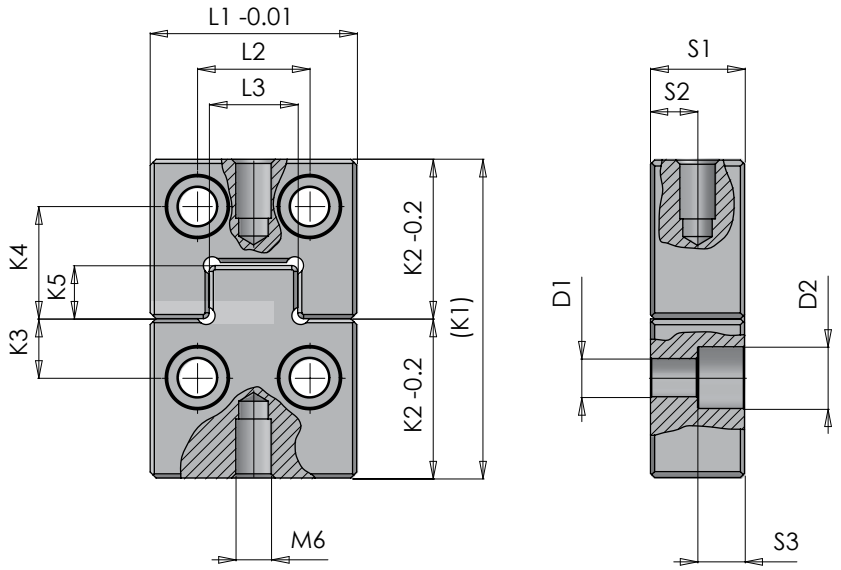

## Z1410 / M x L

| M | L | | | | | | | | | | | | | | | | SW | K | D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6 | 8 | 10 | 12 | 16 | 18 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | | | |
| M4 | ● | ● | ● | ● | ● | | ● | ● | ● | ● | ● | ● | ● | | ● | | | 3 | 4 | 7 |
| M5 | | ● | ● | ● | ● | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | ● | 4 | 5 | 8,5 |
| M6 | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | ● | 5 | 6 | 10 |
| M8 | | | ● | ● | ● | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | 6 | 8 | 13 |
| M10 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | 8 | 10 | 16 |
| M12 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | ● | 10 | 12 | 18 |
| M16 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | 14 | 16 | 24 |
| M20 | | | | | | | | | | | | ● | ● | ● | ● | | ● | 17 | 20 | 30 |
| M24 | | | | | | | | | | | | | ● | | ● | | ● | 19 | 24 | 36 |

| M | L | | | | | | | | | | | | | | | | SW | K | D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 75 | 80 | 85 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 180 | 200 | 220 | 240 | 300 | | | |
| M4 | | | | | | | | | | | | | | | | | 3 | 4 | 7 |
| M5 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | 4 | 5 | 8,5 |
| M6 | | ● | | ● | ● | | ● | | | | | | | | | | 5 | 6 | 10 |
| M8 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | 6 | 8 | 13 |
| M10 | | ● | | ● | ● | ● | ● | ● | ● | | ● | | | | | | 8 | 10 | 16 |
| M12 | ● | ● | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | 10 | 12 | 18 |
| M16 | ● | ● | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | 14 | 16 | 24 |
| M20 | ● | ● | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | 17 | 20 | 30 |
| M24 | | ● | | ● | ● | ● | ● | | ● | ● | ● | ● | ● | ● | ● | ● | 19 | 24 | 36 |

# Z1610

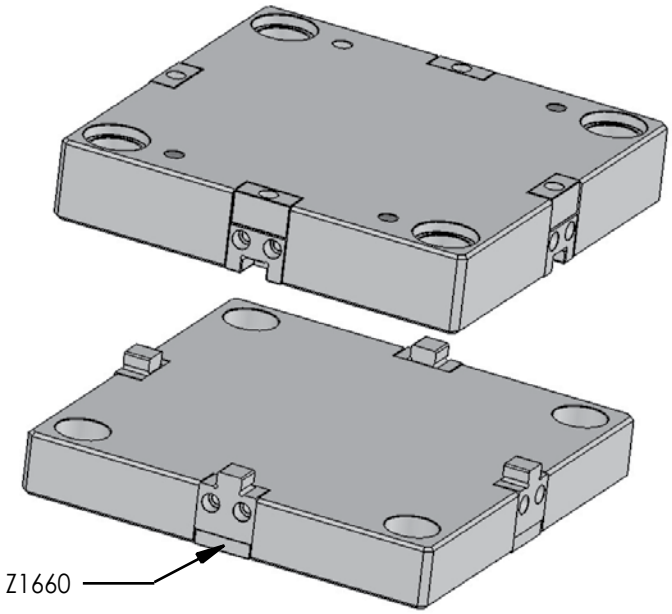
*Keskitysyksikkö, sivulta kiinnitettävä*
*Centering unit, clamping from the side*
*Замок*

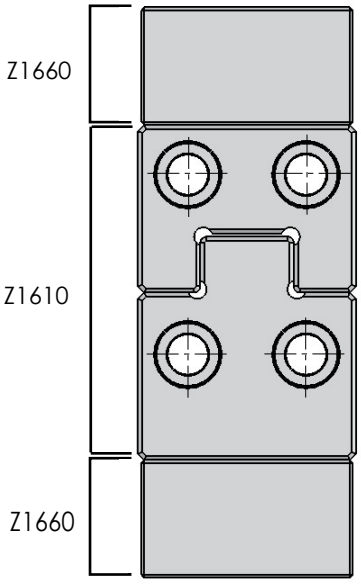



## Z1610 / L1

**HRC 54...58**

| L1 | L2 | L3 | K1 | K2 | K3 | K4 | K5 | S1 | S2 | S3 | D1 | D2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |
| **35** | 19 | 15 | 54 | 27 | 10 | 19 | 9 | 16 | 8 | 8 | 6,5 | 10,5 |
| **50** | 34 | 17 | 44 | 22 | 11 | 11 | 8 | 16 | 8 | 8 | 6,5 | 10,5 |
| **75** | 50 | 25 | 72 | 36 | 18 | 18 | 14 | 19 | 12 | 12 | 10,5 | 10,5 |
| | | | | | | | | | | | | |

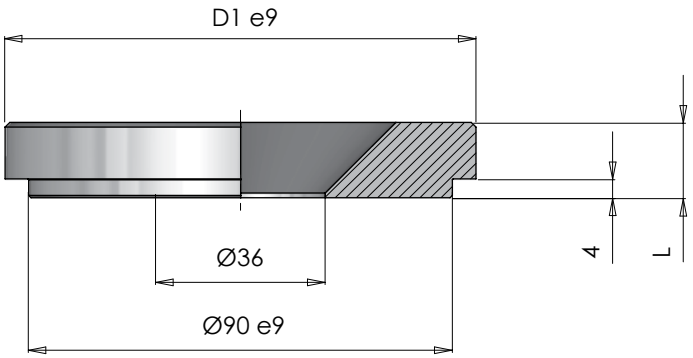


# Z1810

*Ohjausrengas, kartiosisäreikä*
*Centering flange, taper hole*
*Центрирующий фланец, конусный*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*




## Z1810 / D1 x L

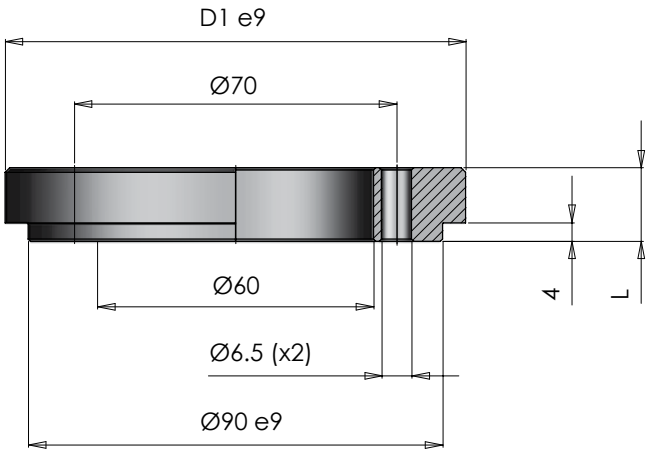
**Mat.W.1.1730**

| L | D1 | | | | | | |
|---|---|---|---|---|---|---|---|
| | 90 | 100 | 110 | 120 | 125 | 160 | 175 |
| 16 | ● | ● | ● | ● | ● | ● | ● |

# Z1820

*Ohjausrengas, kiinnitysrei'illä*
*Centering flange with clamping holes*
*Центрирующий фланец, 2 фиксирующих отверстия*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*




## Z1820 / D1 x L

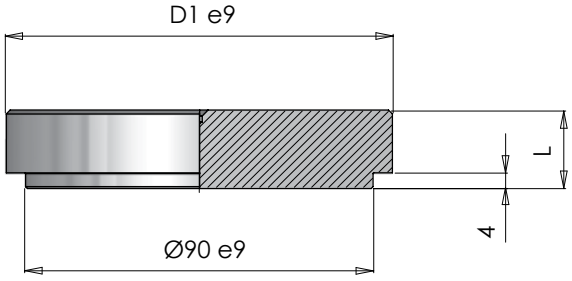
**Mat.W.1.1730**

| L | D1 | | | | | | |
|---|---|---|---|---|---|---|---|
| | 90 | 100 | 110 | 120 | 125 | 160 | 175 |
| 16 | ● | ● | ● | ● | ● | ● | ● |

# Z1830

*Ohjausrengas, poraamaton*
*Centering flange, undrilled*
*Центрирующий фланец, без отверстий*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*




## Z1830 / D1 x L

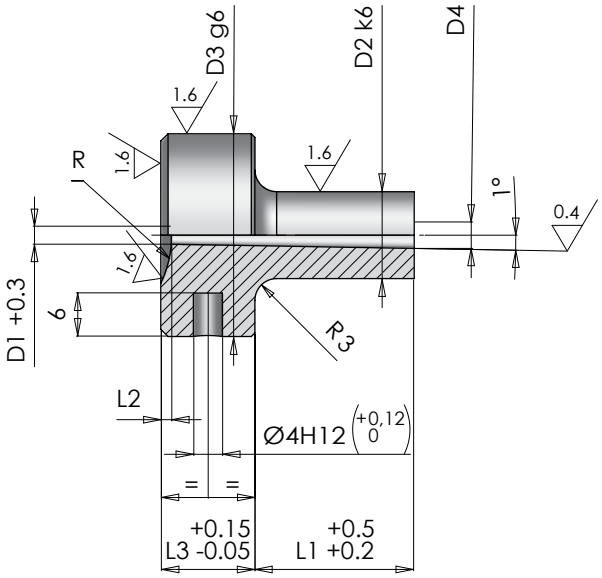
**Mat.W.1.1730**

| L | D1 | | | | | | |
|---|---|---|---|---|---|---|---|
| | 90 | 100 | 110 | 120 | 125 | 160 | 175 |
| 16 | ● | ● | ● | ● | ● | ● | ● |

# Z2010

*Suutin*
*Sprue bush*
*Втулка литниковая*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*




## Z / D2 x L1 / D1 / R

**Mat. W.1.7242 / HRC 56...58**

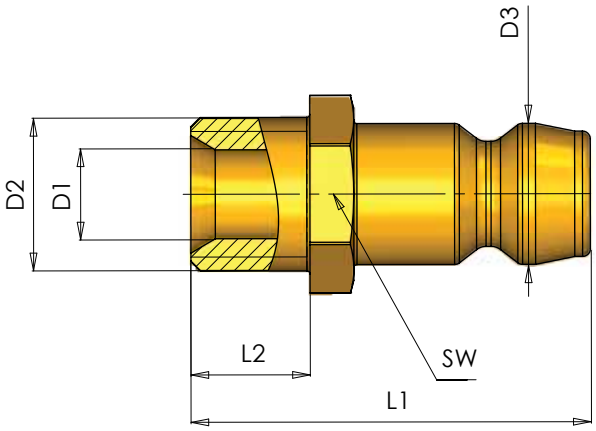
| Z | D2 | D1 | R | L1 | | | | | | | | | | L3 | D3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 22 | 27 | 36 | 46 | 56 | 76 | 96 | 116 | 136 | 156 | | |
| Z2010 | 12 | 2,5 | R0 | ● | ● | ● | ● | | ● | | | | | 13 | 28 |
| | | | R15,5 | ● | ● | ● | ● | ● | ● | | | | | | |
| | | | R40 | ● | ● | ● | ● | | ● | | | | | | |
| Z2010 | 12 | 3,5 | R0 | ● | ● | ● | ● | ● | ● | | | | | 13 | 28 |
| | | | R15,5 | ● | ● | ● | ● | ● | ● | | | | | | |
| | | | R40 | ● | ● | ● | ● | ● | ● | | | | | | |

| Z | D2 | D1 | R | L1 | | | | | | | | | | L3 | D3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 22 | 27 | 36 | 46 | 56 | 76 | 96 | 116 | 136 | 156 | | |
| Z2020 | 18 | 3,0 | R0 | | ● | ● | ● | ● | ● | ● | ● | | | 18 | 38 |
| | | | R15,5 | | ● | ● | ● | ● | ● | ● | ● | | | | |
| | | | R40 | | ● | ● | ● | ● | ● | ● | ● | | | | |
| Z2020 | 18 | 4,0 | R0 | | ● | ● | ● | ● | ● | ● | ● | | | 18 | 38 |
| | | | R15,5 | | ● | ● | ● | ● | ● | ● | ● | | | | |
| | | | R40 | | ● | ● | ● | ● | ● | ● | ● | | | | |

| Z | D2 | D1 | R | L1 | | | | | | | | | | L3 | D3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 22 | 27 | 36 | 46 | 56 | 76 | 96 | 116 | 136 | 156 | | |
| Z2030 | 24 | 6,5 | R0 | | | | | ● | ● | ● | ● | ● | ● | 23 | 48 |
| | | | R15,5 | | | | | ● | ● | ● | ● | ● | ● | | |
| | | | R40 | | | | | ● | ● | ● | ● | ● | ● | | |

# Z2210-2211

*Pikaliitinnippa, suora, ilman venttiiliä ja venttiilillä*
*Connecting nipple (without and with valve)*
*Быстродействующий наконечник*




**Mat. Messinki / Brass / латунь**
**SS = Ruostumaton teräs / Stainless steel / нержавеющая сталь**

## Z2210 / D1 / D2 / D3 ilman venttiiliä / without valve / без клапана

| D1 | D2 (R) | D3 | L1 | L2 | SW | D1 | D2 (M) | D3 | L1 | L2 | SW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | R 1/8” | 9 | 25 | 7 | 11 | 4,5 | M8 x 0,75 | 9 | 28 | 10 | 11 |
| 6 | R 1/4” | 9 | 25 | 8 | 14 | 6 | M10 x 1,0 | 9 | 25 | 7 | 11 |
| 6 | R 3/8” | 9 | 29 | 11 | 17 | 6 | M10 x 1,5 | 9 | 25 | 7 | 11 |
| 6 | R 1/8” / SS | 9 | 24 | 7 | 11 | 6 | M14 x 1,5 | 9 | 25 | 7 | 14 |
| 6 | R 1/4” / SS | 9 | 26 | 9 | 15 | 6 | M10 x 1,0 / SS | 9 | 24 | 7 | 11 |
| 9 | R 1/4” | 13 | 27 | 9 | 14 | 9 | M10 x 1,0 | 13 | 27 | 9 | 14 |
| 9 | R 1/8” | 13 | 27 | 9 | 14 | 9 | M10 x 1,5 | 13 | 27 | 9 | 14 |
| 9 | R 3/8” | 13 | 31 | 10 | 17 | 9 | M14 x 1,5 | 13 | 27 | 9 | 15 |
| 9 | R 1/2” | 13 | 32 | 10 | 22 | 9 | M16 x 1,5 | 13 | 31 | 10 | 17 |
| 9 | R 1/4” / SS | 13,5 | 26 | 9 | 15 | | | | | | |
| 9 | R 3/8” / SS | 13,5 | 26 | 9 | 17 | 13 | M24 x 1,5 | 19 | 51 | 16 | 27 |
| 13 | R 1/2” | 19 | 47 | 12 | 22 | | | | | | |
| 13 | R 3/4” | 19 | 51 | 16 | 27 | | | | | | |

## Z2211 / D1 / D2 / D3 V =



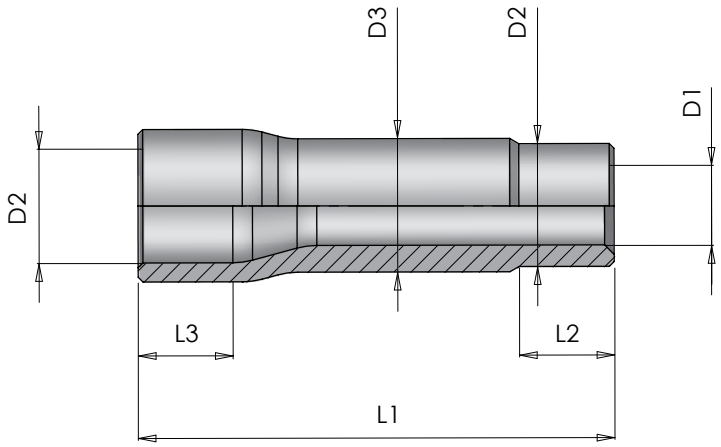
**Mat. Messinki / Brass / латунь**

| D1 | D2 (R) | D3 | L | L2 | SW | D1 | D2 (M) | D3 | L | L2 | SW |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | R 1/4” / V | 9 | 29 | 11 | 14 | 6 | M14 x 1,5 / V | 9 | 29 | 11 | 14 |
| 6 | R 3/8” / V | 9 | 29 | 11 | 17 | | | | | | |
| 9 | R 1/4” / V | 13 | 29 | 11 | 14 | 9 | M14 x 1,5 / V | 13 | 29 | 11 | 14 |
| 9 | R 3/8” / V | 13 | 31 | 13 | 17 | 9 | M16 x 1,5 / V | 13 | 31 | 13 | 17 |
| 13 | R 1/2” / V | 19 | 47 | 12 | 22 | 13 | M24 x 1,5 / V | 19 | 51 | 16 | 27 |
| 13 | R 3/4” / V | 19 | 51 | 16 | 27 | | | | | | |

# Z2240

*Jatkoputki pikaliitinnipoille*
*Extension nipple*
*Удлинительная трубка*

- ● = *Standardivalikoima*
- ● = *Standard assortment*
- ● = *Стандартные диапазон*



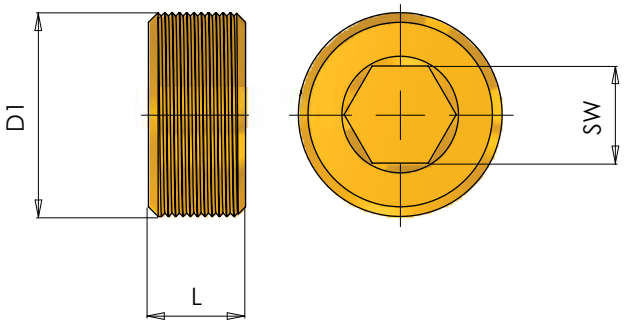

## Z2240 / D1 x L1

**Mat. 1.0308 Zn**

| D2 | L1 | | | | | D1 | D3 | L2 | L3 |
|---|---|---|---|---|---|---|---|---|---|
| | 50 | 75 | 100 | 125 | 150 | | | | |
| R 1/8 | ● | ● | ● | ● | | 6 | 10 | 9 | 11 |
| R 1/4 | ● | ● | ● | ● | ● | 9 | 14 | 10 | 12 |

# Z2250

*Tulppa, messinki*
*Screw plug, hexagon socket*
*Заглушка*



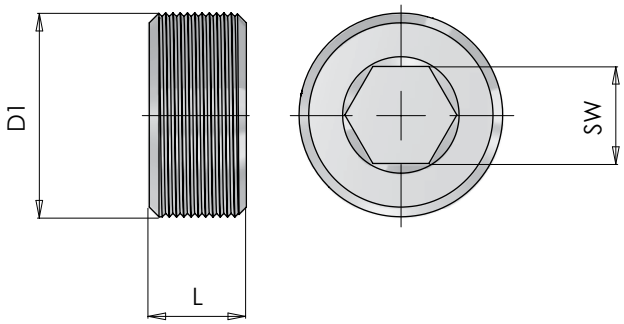

## Z2250 / D1 x L

**Mat. Messinki / Brass / латунь**

| D1 | L | SW |
|---|---|---|
| R 1/2” | 10 | 10 |
| R 1/8” | 10 | 5 |
| R 1/4” | 10 | 6 |
| R 3/8” | 10 | 8 |
| M6 x 0,75 | 10 | 3 |
| M8 x 0,75 | 10 | 4 |
| M10 x 1 | 10 | 5 |
| M12 x 1,5 | 10 | 6 |
| M14 x 1,5 | 10 | 7 |

# Z2251

*Tulppa, messinki, niklattu*
*Screw plug, hexagon socket*
*Заглушка*



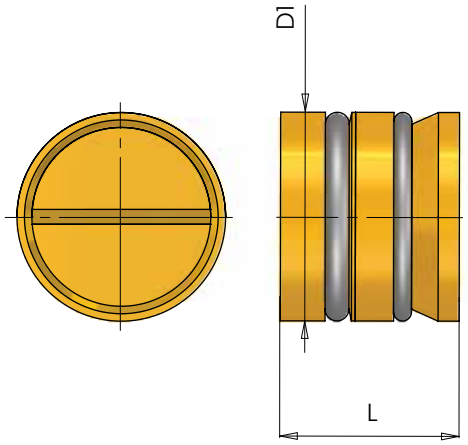

**Z2251 / D1 x L**

**Mat. Nickeled Brass / Никелированная атунь**

| D1 | L | SW |
|---|---|---|
| R 1/8” | 10 | 5 |
| R 1/4” | 10 | 6 |
| R 3/8” | 10 | 8 |
| R 1/2” | 10 | 10 |
| M6 x 0,75 | 10 | 3 |
| M8 x 0,75 | 10 | 4 |
| M10 x 1 | 10 | 5 |
| M12 x 1,5 | 10 | 6 |
| M14 x 1,5 | 10 | 7 |

# Z2252

*Kanavatulppa*
*Sealing plug, O - ring*
*Заглушка*




**Z2252 / D1 x L**

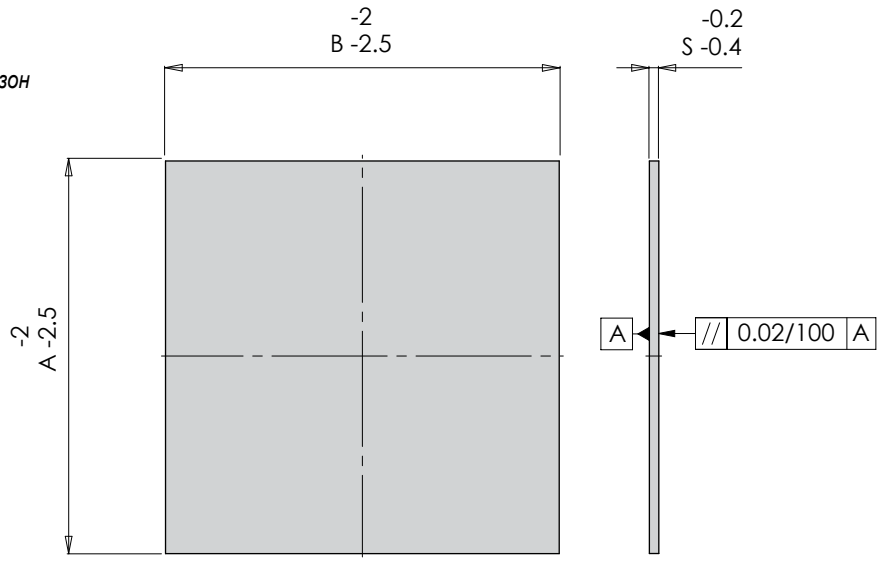
**Mat. Ms / O-rengas / Ring / Фланец центрирующий VITON 200 °C**

| D1 | L |
|---|---|
| 6 | 10 |
| 7 | 10 |
| 8 | 10 |
| 10 | 10 |
| 12 | 10 |
| 14 | 10 |
| 16 | 10 |

# Z2320

*Eristelevy*
*Thermal insulating sheet*
*Изоплита*

● = *Standardivalikoima*
● = *Standard assortment*
● = *Стандартные диапазон*




**Z2320 / A x B / S**

**Mat. 0,3 W / mK / max. 230 °C / 630 N/mm²**

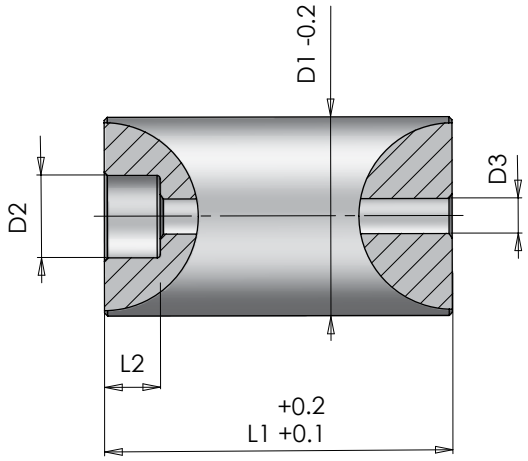
| A | B | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 156 | 180 | 196 | 206 | 246 | 296 | 346 | 396 | 446 | 496 | 546 | 596 | 646 | 696 | 796 | 896 | 996 | 1000 |
| 150 | | ● | | | | | | | | | | | | | | | | |
| 156 | ● | | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| 196 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 246 | | | | | ● | ● | ● | ● | ● | ● | | | | | | | | |
| 296 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | |
| 346 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 396 | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 446 | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 496 | | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | |
| 546 | | | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | |
| 596 | | | | | | | | | | | | ● | ● | ● | ● | ● | ● | |
| 646 | | | | | | | | | | | | | ● | ● | ● | ● | ● | |
| 696 | | | | | | | | | | | | | | ● | ● | ● | ● | |
| 796 | | | | | | | | | | | | | | | ● | ● | ● | |
| 1000 | | | | | | | | | | | | | | | | | | ● |

**S = 6, 8 tai 10**
**S = 6, 8 or 10**
**S = 6, 8 или 10**

# Z2610

*Tukipylväs, kiinnityspultin reiällä*
*Support pillar with clamping hole*
*Стойка*

- ● = *Standardivalikoima*
- ● = *Standard assortment*
- ● = *Стандартные диапазон*




## Z2610 / D1 x L1

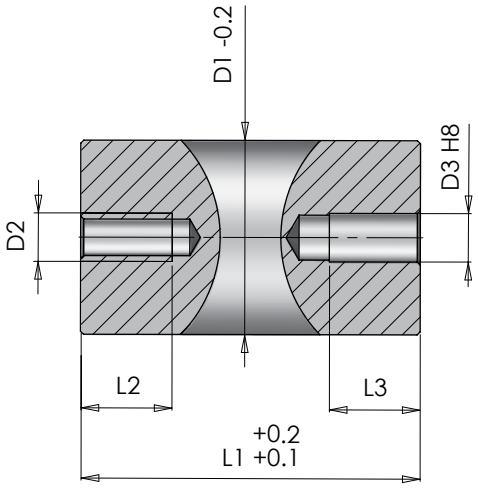
**Mat. 1.2764**

| D1 | L1 | | | | | | D2 | D3 | L2 |
|---|---|---|---|---|---|---|---|---|---|
| | 46 | 56 | 76 | 96 | 116 | 136 | | | |
| 25 | ● | ● | ● | | | | 15 | 9 | 9 |
| 32 | ● | ● | ● | | | | 15 | 9 | 9 |
| 40 | ● | ● | ● | ● | | | 18 | 11 | 11 |
| 50 | | ● | ● | ● | ● | | 20 | 14 | 14 |
| 63 | | ● | ● | ● | ● | ● | 20 | 14 | 14 |
| 80 | | | ● | ● | ● | ● | 26 | 18 | 18 |

# Z2620

*Tukipylväs, kierteellä*
*Support pillar with thread*
*Стойка*

- ● = *Standardivalikoima*
- ● = *Standard assortment*
- ● = *Стандартные диапазон*



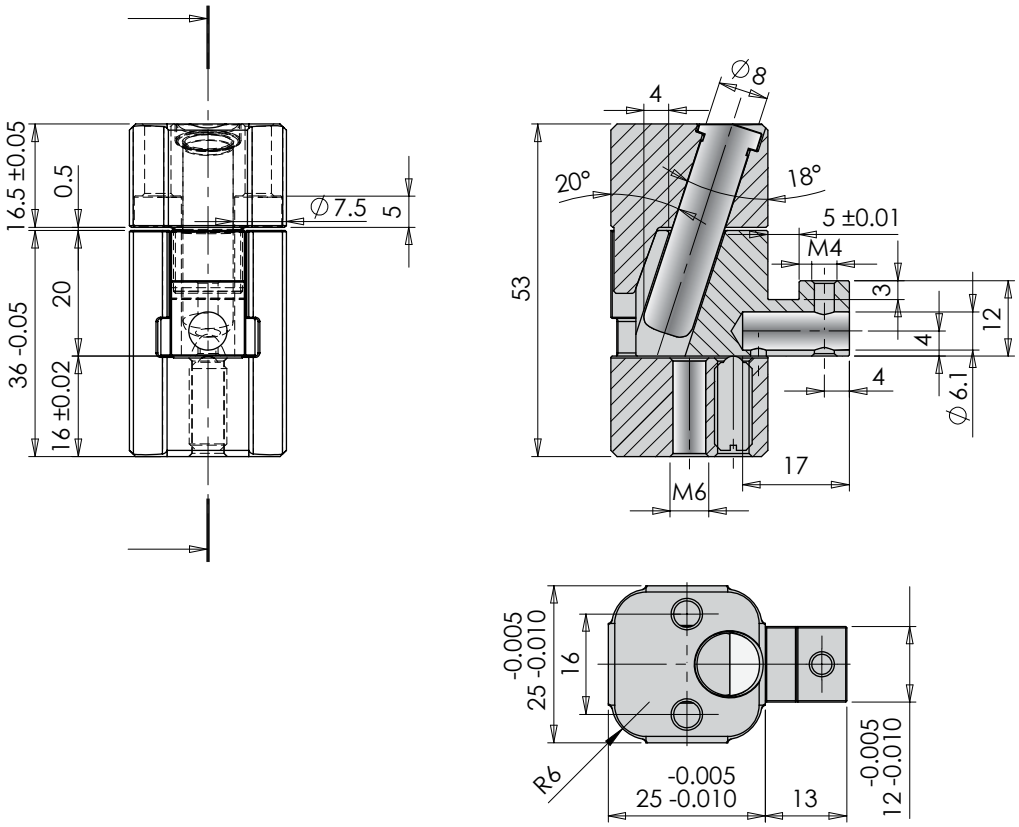

## Z2620/ D1 x L1

**Mat. 1.2764**

| D1 | L1 | | | | | | D2 | D3 | L2 | L3 |
|---|---|---|---|---|---|---|---|---|---|---|
| | 46 | 56 | 76 | 96 | 116 | 136 | | | | |
| 25 | ● | ● | ● | | | | M8 | 8 | 15 | 15 |
| 32 | ● | ● | ● | | | | M8 | 8 | 15 | 15 |
| 40 | ● | ● | ● | ● | | | M8 | 8 | 15 | 15 |
| 50 | | ● | ● | ● | ● | | M10 | 10 | 18 | 18 |
| 63 | | ● | ● | ● | ● | ● | M10 | 10 | 18 | 18 |
| 80 | | | ● | ● | ● | ● | M12 | 12 | 20 | 20 |

# Z2820 / 2525

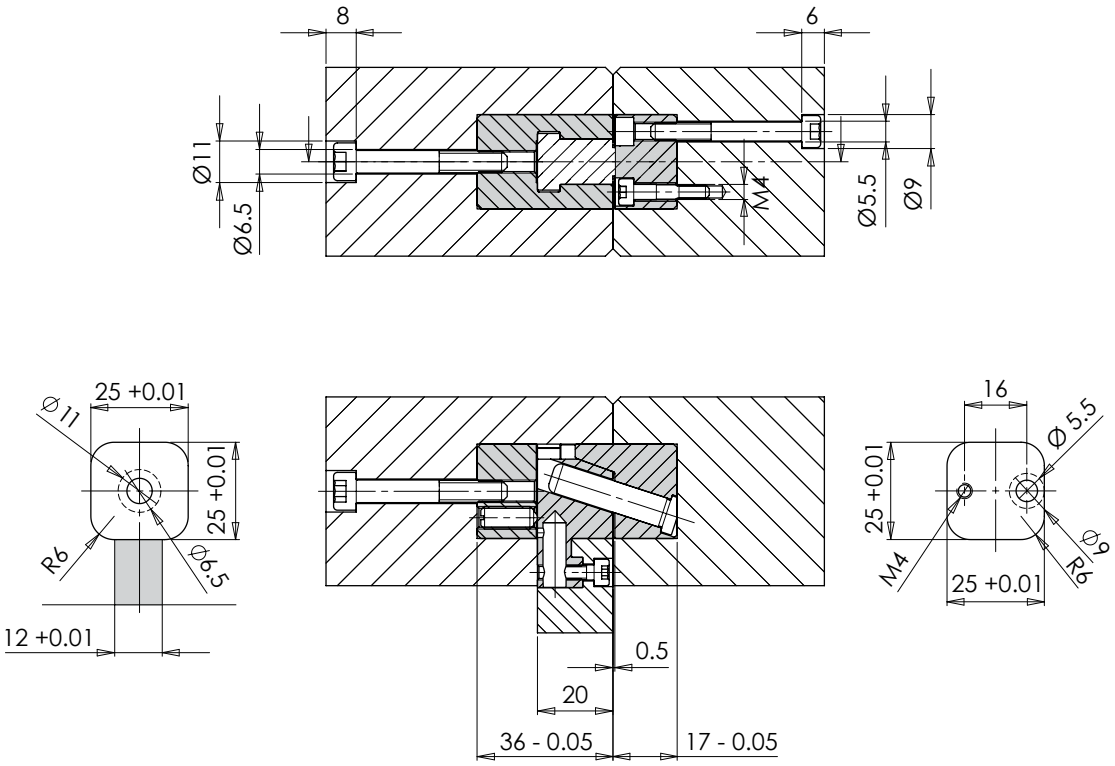
*Miniluistiyksikkö*
*Mini slide unit*
*Блок тяги*




**HRC 53...58**

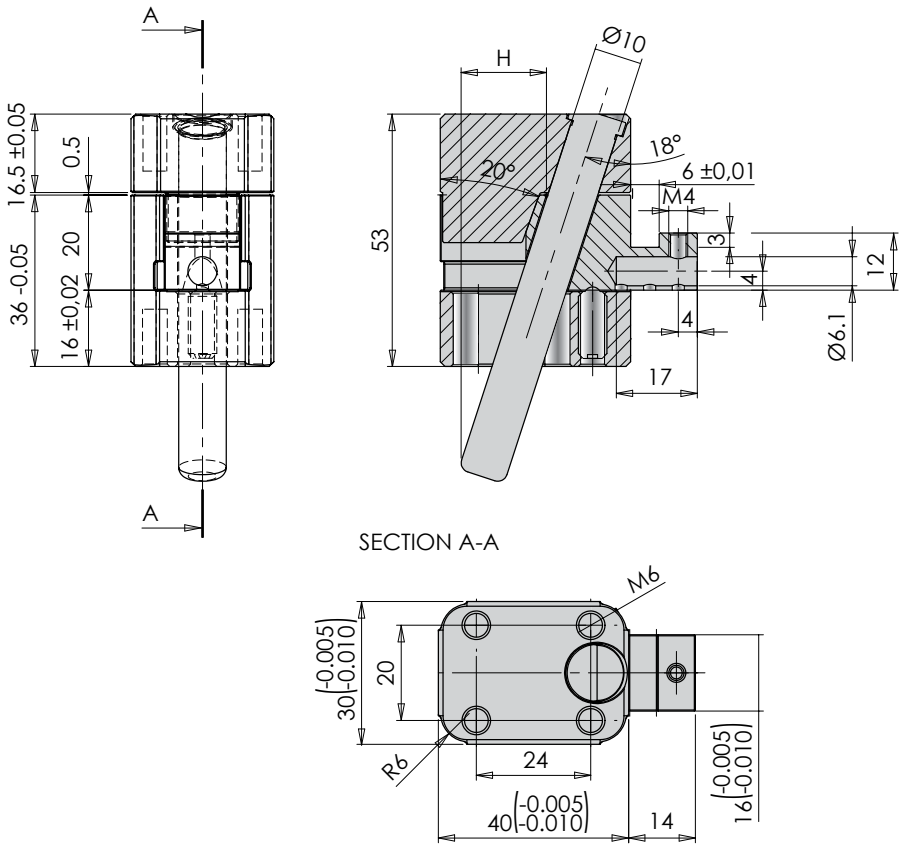
**Max. movement / Максимальный ход 4 mm**

| NR. / NO. |
| --- |
| Z2820 / 2525 |



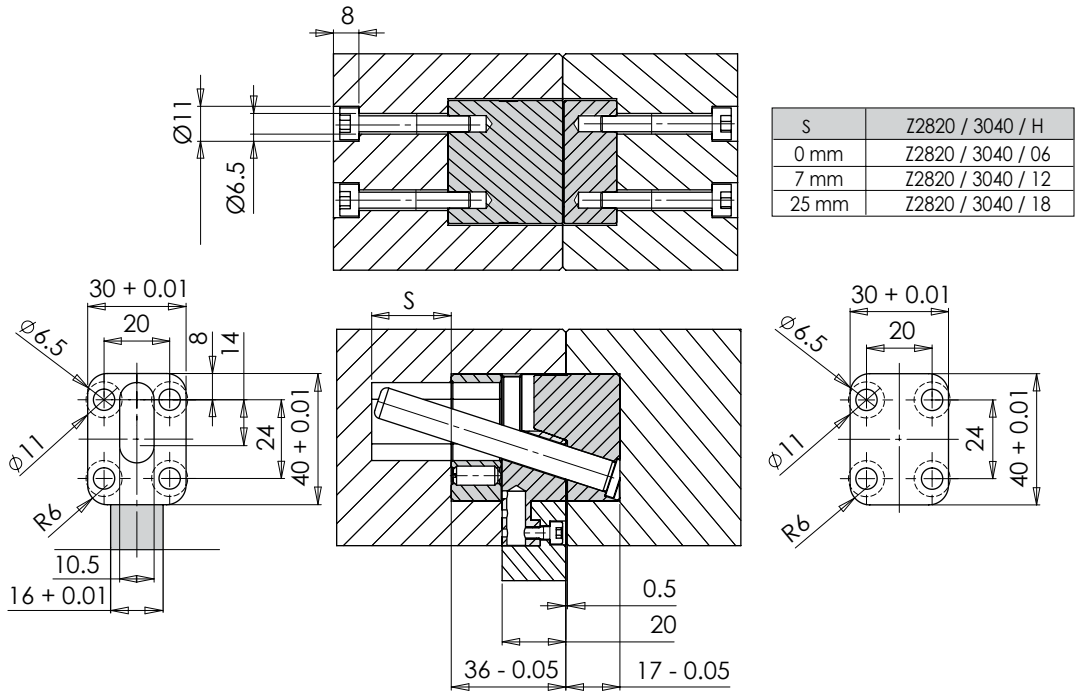
# Z2820 / 3040

*Miniluistiyksikkö*
*Mini slide unit*
*Блок тяги*




**HRC 53...58**

| Max. movement H | Z2820 / 3040 / H |
|---|---|
| 6 mm | Z2820 / 3040 / 06 |
| 12 mm | Z2820 / 3040 / 12 |
| 18 mm | Z2820 / 3040 / 18 |

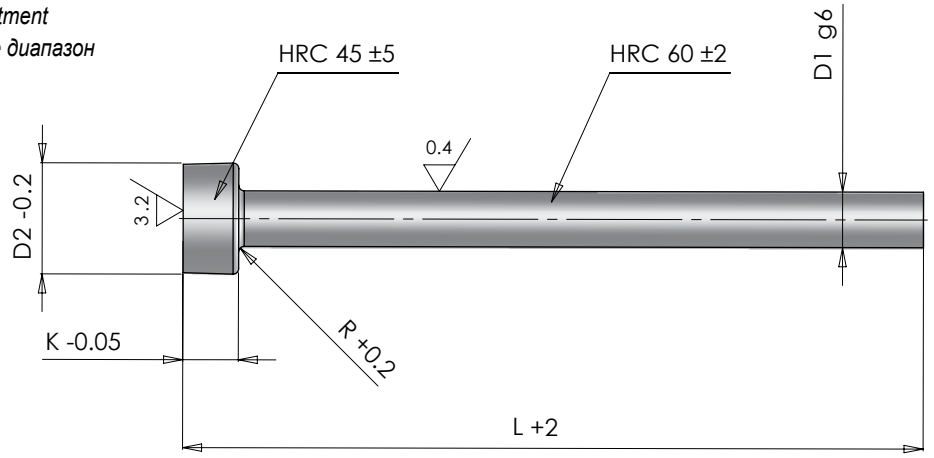



| S | Z2820 / 3040 / H |
|---|---|
| 0 mm | Z2820 / 3040 / 06 |
| 7 mm | Z2820 / 3040 / 12 |
| 25 mm | Z2820 / 3040 / 18 |

# Z3010

*Ulostyöntötappi, karkaistu -* **AH**
*Ejector pin, hardened -* **AH**
*Выталкиватель гладкий -* **AH**

● = *Standardivalikoima*
● = *Standard assortment*
● = *Стандартные диапазон*




## Z3010 / D1 x L / AH

**Mat.WS**

| D1 | L | | | | | | | | | | | | | | D2 | K | R |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 40 | 50 | 63 | 80 | 100 | 125 | 160 | 200 | 250 | 315 | 400 | 500 | 630 | 800 | | | |
| 0,8 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | 2,5 | 1,2 | 0,2 |
| 0,9 | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 1,0 | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 1,1 | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 1,2 | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | |
| 1,3 | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | 3 | 1,5 | |
| 1,4 | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 1,5 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | |
| 1,6 | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | |
| 1,7 | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 1,8 | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 1,9 | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 2,0 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | 4 | 2 | |
| 2,1 | | | | ● | ● | ● | ● | ● | ● | | | | | | | | |
| 2,2 | | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | |
| 2,3 | | | | ● | ● | ● | ● | ● | ● | | | | | | | | |
| 2,4 | | | | ● | ● | ● | ● | ● | ● | | | | | | | | |
| 2,5 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | 5 | | 0,3 |
| 2,6 | | | | | ● | ● | ● | ● | ● | | | | | | | | |
| 2,7 | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 2,8 | | | | | ● | ● | ● | ● | ● | ● | | | | | | | |
| 2,9 | | | | | ● | ● | ● | ● | | | | | | | | | |
| 3,0 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | 6 | 3 | |
| 3,1 | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 3,2 | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 3,3 | | | | | ● | ● | ● | ● | | | | | | | | | |
| 3,4 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 3,5 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | 7 | | |
| 3,6 | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 3,7 | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 3,8 | | | | | ● | ● | ● | ● | ● | ● | | | | | | | |
| 3,9 | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 4,0 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | 8 | | |

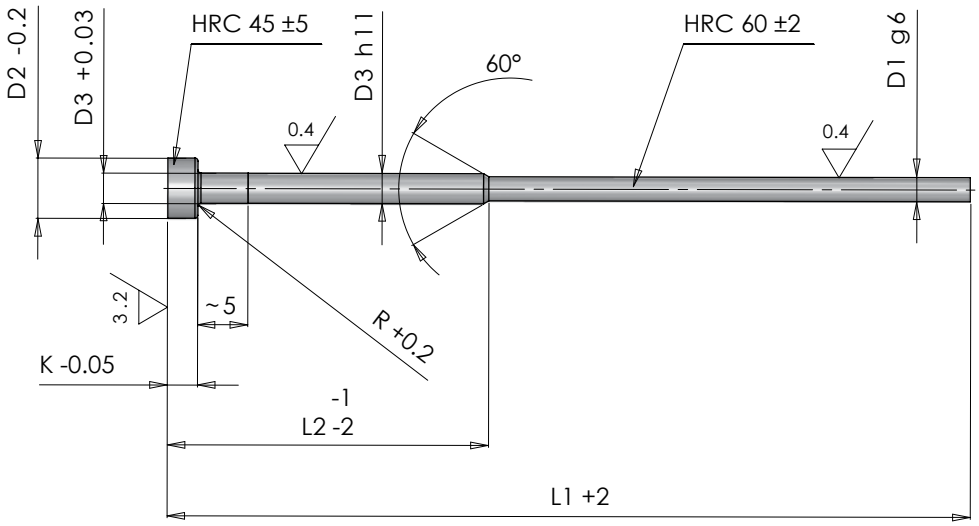
# Z3010

| D1 | L | | | | | | | | | | | | | | D2 | K | R |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 40 | 50 | 63 | 80 | 100 | 125 | 160 | 200 | 250 | 315 | 400 | 500 | 630 | 800 | | | |
| 4,1 | | | | | ● | ● | ● | ● | ● | ● | ● | | | | 8 | 3 | 0,3 |
| 4,2 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 4,3 | | | | | ● | ● | ● | ● | | | | | | | | | |
| 4,4 | | | | | ● | ● | ● | ● | | | | | | | | | |
| 4,5 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 4,6 | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 4,7 | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 4,8 | | | | | ● | ● | ● | ● | | | | | | | | | |
| 4,9 | | | | | ● | ● | ● | ● | | | | | | | | | |
| 5,0 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | 10 | | |
| 5,1 | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 5,2 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 5,3 | | | | | ● | ● | ● | ● | ● | | | | | | | | |
| 5,4 | | | | | ● | ● | ● | ● | ● | | | | | | | | |
| 5,5 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 5,6 | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 5,7 | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 5,8 | | | | | ● | ● | ● | ● | ● | | | | | | | | |
| 5,9 | | | | | ● | ● | ● | ● | ● | | | | | | | | |
| 6,0 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | 12 | 5 | 0,5 |
| 6,1 | | | | | ● | ● | ● | ● | ● | ● | | | | | | | |
| 6,2 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | |
| 6,3 | | | | | ● | ● | ● | ● | | | | | | | | | |
| 6,4 | | | | | ● | ● | ● | ● | | | | | | | | | |
| 6,5 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 6,6 | | | | | ● | ● | ● | ● | | | | | | | | | |
| 6,7 | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 6,8 | | | | | ● | ● | ● | ● | ● | | | | | | | | |
| 6,9 | | | | | ● | ● | ● | ● | | | | | | | | | |
| 7,0 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | |
| 7,2 | | | | | ● | ● | ● | ● | | | | | | | | | |
| 7,5 | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 8,0 | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | 14 | | |
| 8,1 | | | | | ● | ● | ● | ● | ● | | | | | | | | |
| 8,2 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 8,5 | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 9,0 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | |
| 9,5 | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 10,0 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | 16 | | |
| 10,1 | | | | | ● | ● | ● | ● | ● | | | | | | | | |
| 10,2 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | |
| 10,5 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | |
| 10,7 | | | | | ● | ● | ● | | | | | | | | | | |
| 11,0 | | | | | | | ● | ● | ● | ● | ● | ● | ● | | | | |
| 12,0 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | 18 | 7 | 0,8 |
| 12,1 | | | | | | | | | ● | | | | | | | | |
| 12,2 | | | | | | | ● | ● | ● | ● | ● | ● | | | | | |
| 12,5 | | | | | | | ● | ● | ● | ● | ● | ● | ● | | | | |
| 13,0 | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 14,0 | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | 22 | | |
| 14,5 | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 15,0 | | | | | ● | ● | ● | ● | ● | | | | | | | | |
| 16,0 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 16,5 | | | | | | | ● | ● | ● | ● | ● | | ● | | | | |
| 18,0 | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | 24 | | |
| 20,0 | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | 26 | 8 | 1,0 |
| 20,5 | | | | | | | ● | ● | ● | ● | ● | | | | | | |
| 25,0 | | | | | | | ● | ● | ● | ● | ● | ● | | | 32 | 10 | |

# Z3030

*Ulostyöntötappi, karkaistu, vahvistettu -* **CH**
*Shouldered ejector pin, hardened -* **CH**
*Выталкиватель ступенчатый -* **CH**

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*




## Z3030 / D1 x L1 / CH

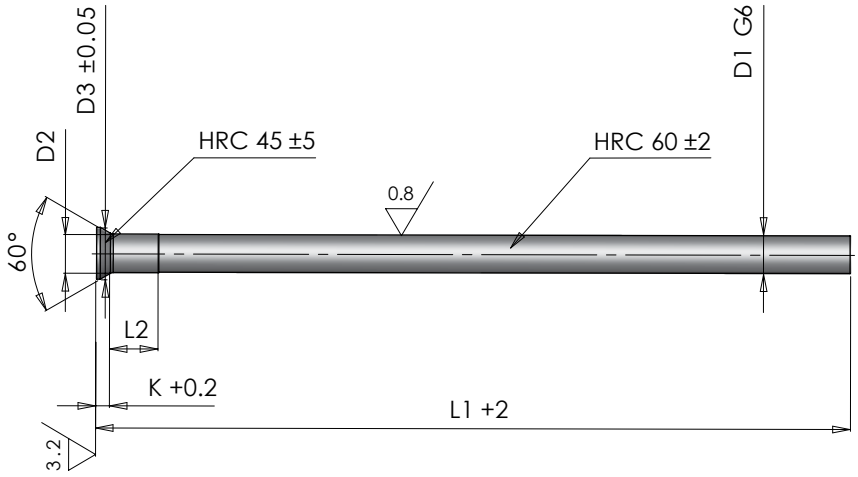
**Mat.WS**

| D1 | L1 | | | | | | | | D2 | D3 | K | R |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 63 | 80 | 100 | 125 | 160 | 200 | 250 | 315 | | | | |
| | L2 | | | | | | | | | | | |
| | 32 | 50 | 50 | 63 | 80 | 100 | | | | | | |
| 0,5 | | ● | ● | ● | ● | | | | 4 | 2 | 2 | 0,2 |
| 0,6 | | ● | ● | ● | ● | ● | | | | | | |
| 0,7 | | ● | ● | ● | ● | ● | | | | | | |
| 0,8 | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 0,85 | | | | | ● | ● | | | | | | |
| 0,9 | ● | ● | ● | ● | ● | ● | | | | | | |
| 0,95 | | | | | ● | ● | | | | | | |
| 1,0 | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 1,1 | | ● | ● | ● | ● | ● | | | | | | |
| 1,2 | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 1,3 | | ● | ● | ● | ● | ● | | | | | | |
| 1,4 | | ● | ● | ● | ● | ● | | | | | | |
| 1,5 | | ● | ● | ● | ● | ● | ● | ● | 6 | 3 | 3 | 0,3 |
| 1,6 | | ● | ● | ● | ● | ● | ● | | | | | |
| 1,7 | | ● | ● | ● | ● | ● | | | | | | |
| 1,8 | | ● | ● | ● | ● | ● | | | | | | |
| 1,9 | | ● | ● | ● | ● | ● | | | | | | |
| 2,0 | | ● | ● | ● | ● | ● | ● | ● | | | | |
| 2,1 | | ● | ● | ● | ● | ● | | | | | | |
| 2,2 | | ● | ● | ● | ● | ● | | | | | | |
| 2,3 | | ● | ● | ● | ● | ● | | | | | | |
| 2,4 | | ● | ● | ● | ● | ● | | | | | | |
| 2,5 | | | ● | ● | ● | ● | ● | ● | | | | |

# Z3040

*Ulostyöntötappi, karkaistu, senkkikanta -* **D**
*Ejector pin, cone base, hardened -* **D**
*Выталкиватель гладкий с конич. головкой -* **D**

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*




## Z3040 / D1 x L1 / D

**Mat.WS**

| D1 | L1 | | | | | | D2 | K | R |
|---|---|---|---|---|---|---|---|---|---|
| | 100 | 125 | 160 | 200 | 250 | 315 | | | |
| 0,8 | ● | ● | ● | ● | | | 1,4 | 0,92 | 0,4 |
| 0,9 | ● | ● | ● | ● | | | 1,6 | 1,01 | |
| 1,0 | ● | ● | ● | ● | | | 1,8 | 1,19 | |
| 1,1 | ● | ● | ● | ● | | | | 1,11 | |
| 1,2 | ● | ● | ● | ● | | | 2 | 1,19 | |
| 1,25 | ● | ● | ● | ● | | | | 1,15 | |
| 1,3 | ● | ● | ● | ● | | | | 1,11 | |
| 1,4 | ● | ● | ● | ● | | | 2,2 | 1,19 | |
| 1,5 | ● | ● | ● | ● | | | | 1,11 | |
| 1,6 | ● | ● | ● | ● | | | 2,5 | 1,28 | |
| 1,7 | ● | ● | ● | ● | | | | 1,19 | |
| 1,75 | ● | ● | ● | ● | | | | 1,15 | |
| 1,8 | ● | ● | ● | ● | | | 2,8 | 1,37 | |
| 1,9 | ● | ● | ● | ● | | | | 1,28 | |
| 2,0 | ● | ● | ● | ● | ● | | 3 | 1 ,37 | |
| 2,1 | ● | ● | ● | ● | | | 3,2 | 1,45 | |
| 2,2 | ● | ● | ● | ● | | | | 1,37 | |
| 2,25 | ● | ● | ● | ● | | | | 1,32 | |
| 2,3 | ● | ● | ● | ● | | | 3,5 | 1,54 | |
| 2,4 | ● | ● | ● | ● | | | | 1,45 | |
| 2,5 | ● | ● | ● | ● | ● | | | 1,37 | |
| 2,6 | ● | ● | ● | ● | | | 4 | 1,71 | |
| 2,7 | ● | ● | ● | ● | ● | | | 1,63 | |
| 2,75 | ● | ● | ● | ● | | | | 1,58 | |
| 2,8 | ● | ● | ● | ● | | | | 1,54 | |
| 2,9 | ● | ● | ● | ● | ● | | | 1,45 | |
| 3,0 | ● | ● | ● | ● | ● | | 4,5 | 1,8 | 0,6 |
| 3,1 | ● | ● | ● | ● | ● | | | 1,71 | |
| 3,2 | ● | ● | ● | ● | ● | | | 1,63 | |
| 3,25 | ● | ● | ● | ● | | | | 1,58 | |

| D1 | L1 | | | | | | D2 | K | R |
|---|---|---|---|---|---|---|---|---|---|
| | 100 | 125 | 160 | 200 | 250 | 315 | | | |
| 4,25 | ● | ● | ● | ● | | | 5,5 | 1,58 | 0,6 |
| 4,3 | ● | ● | ● | ● | | | | 1,54 | |
| 4,4 | ● | ● | ● | ● | | | | 1,45 | |
| 4,5 | ● | ● | ● | ● | ● | | 6 | 1,80 | |
| 4,6 | ● | ● | ● | ● | | | | 1,71 | |
| 4,7 | ● | ● | ● | ● | | | | 1,63 | |
| 4,75 | ● | | | | | | | 1,58 | |
| 4,8 | ● | ● | ● | ● | | | | 1,54 | |
| 4,9 | ● | ● | ● | ● | | | | 1,45 | |
| 5,0 | ● | ● | ● | ● | ● | ● | 6,5 | 1,80 | |
| 5,1 | ● | ● | ● | ● | | | | 1,71 | |
| 5,2 | ● | ● | ● | ● | | | | 1,63 | |
| 5,25 | ● | ● | ● | ● | | | | 1,58 | |
| 5,3 | ● | ● | ● | ● | | | | 1,54 | |
| 5,4 | ● | ● | ● | ● | | | | 1,45 | |
| 5,5 | ● | ● | ● | ● | | | 7 | 1,80 | |
| 5,6 | ● | ● | ● | ● | | | | 1,71 | |
| 5,7 | ● | ● | ● | ● | | | | 1,63 | |
| 5,8 | ● | ● | ● | ● | | | | 1,54 | |
| 5,9 | ● | ● | ● | ● | | | | 1,45 | |
| 6,0 | ● | ● | ● | ● | ● | ● | 8 | 2,23 | 1,0 |
| 6,2 | ● | ● | ● | ● | | | | 2,06 | |
| 6,5 | ● | ● | ● | ● | | | 9 | 3,17 | |
| 6,7 | ● | ● | ● | ● | | | | 2,99 | |
| 7,0 | ● | ● | ● | ● | | | | 2,73 | |
| 7,5 | ● | ● | ● | ● | | | 10 | 3,17 | |
| 7,9 | ● | | | | | | | 2,82 | |
| 8,0 | ● | ● | ● | ● | | | | 2,73 | |
| 8,1 | ● | ● | ● | ● | | | | 2,65 | |
| 8,2 | ● | ● | ● | ● | | | | 2,56 | |

# Z3040

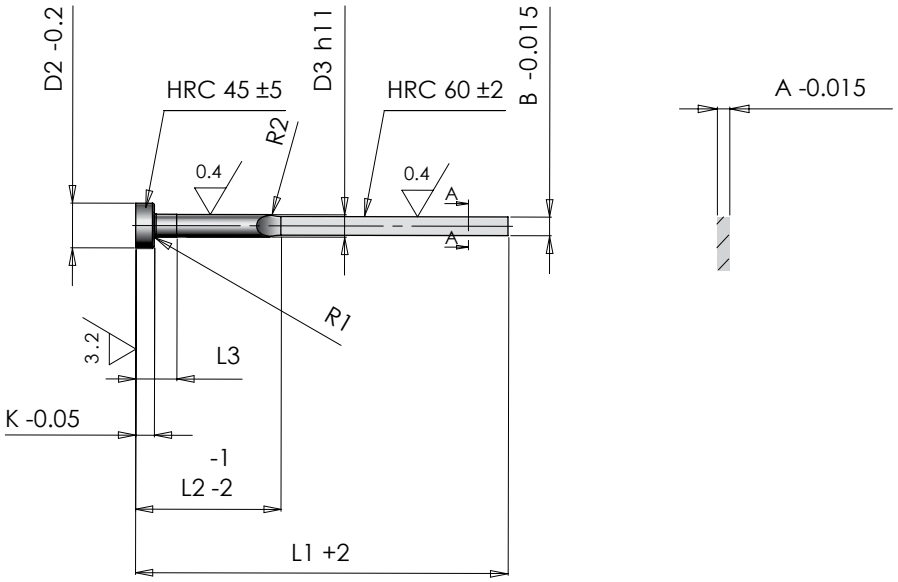
| D1 | L1 | | | | | | D2 | K | R |
|---|---|---|---|---|---|---|---|---|---|
| | 100 | 125 | 160 | 200 | 250 | 315 | | | |
| 3,3 | ● | ● | ● | ● | | | 4,5 | 1,54 | 0,6 |
| 3,35 | | ● | ● | | | | | 1,5 | |
| 3,4 | ● | ● | ● | ● | | | | 1,45 | |
| 3,5 | ● | ● | ● | ● | ● | | 5 | 1,80 | |
| 3,6 | ● | ● | ● | ● | | | | 1,71 | |
| 3,7 | ● | ● | ● | ● | | | | 1,63 | |
| 3,75 | ● | ● | ● | ● | | | | 1,58 | |
| 3,8 | ● | ● | ● | ● | | | | 1,54 | |
| 3,9 | ● | ● | ● | ● | | | | 1,45 | |
| 4,0 | ● | ● | ● | ● | ● | ● | 5,5 | 1,80 | |
| 4,1 | ● | ● | ● | ● | | | | 1,71 | |
| 4,2 | ● | ● | ● | ● | | | | 1,63 | |

| D1 | L1 | | | | | | D2 | K | R |
|---|---|---|---|---|---|---|---|---|---|
| | 100 | 125 | 160 | 200 | 250 | 315 | | | |
| 8,3 | ● | ● | ● | ● | | | 10 | 2,47 | 1,0 |
| 8,4 | ● | ● | ● | ● | | | | 2,39 | |
| 8,5 | ● | ● | ● | ● | | | 11 | 3,17 | |
| 9,0 | ● | ● | ● | ● | | | | 2,73 | |
| 9,5 | | | ● | | | | 12 | 3,17 | |
| 10,0 | ● | ● | ● | ● | ● | ● | | 2,73 | |
| 11,0 | ● | ● | ● | ● | | | 13 | 2,73 | |
| 11,5 | | ● | | | | | 14 | 3,17 | |
| 12,0 | ● | ● | ● | ● | ● | ● | | 2,73 | |
| 13,0 | ● | ● | ● | ● | | | 15 | 2,73 | |
| 14,0 | ● | ● | ● | ● | ● | ● | 16 | 3,23 | |
| 16,0 | ● | ● | ● | ● | ● | ● | 18 | 3,23 | |

# Z3050

*Liuskaulostyöntäjä, karkaistu -* **FAH**
*Ejector pin, flat, hardened -* **FAH**
*Выталкиватель пластинчатый -* **FAH**

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*




## Z3050 / A x B x L1 / FAH

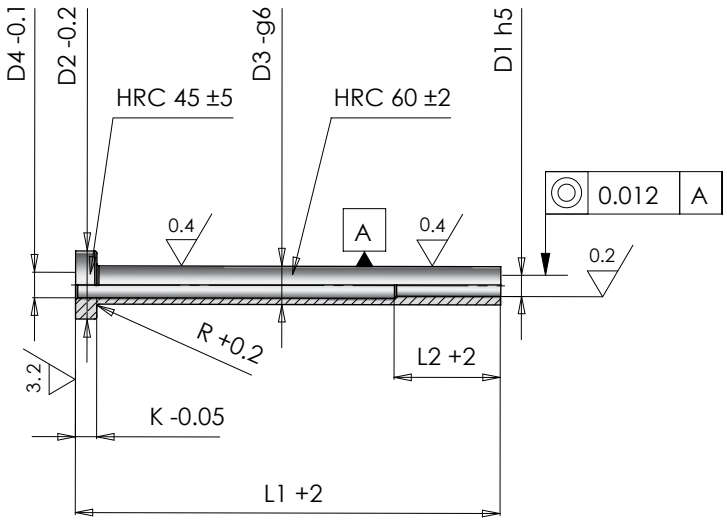
**Mat.WS**

| A | B | L1 | | | | | | | | | D3 | D2 | K | R1 | R2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 63 | 80 | 100 | 125 | 160 | 200 | 250 | 315 | 400 | | | | | |
| | | L2 | | | | | | | | | | | | | |
| | | 32 | 40 | 50 | 63 | 80 | 100 | 125 | 160 | 200 | | | | | |
| 0,8 | 2,8 | | | ● | ● | ● | ● | | | | 3 | 8 | 3 | 0,3 | 10 |
| | 1,0 | | | | ● | ● | ● | ● | | | | | | | |
| 0,8 | 3,5 | ● | ● | ● | ● | ● | | | | | 4 | | | | |
| 1,0 | | ● | ● | ● | ● | ● | | | | | | | | | |
| 1,2 | | ● | ● | ● | ● | ● | | | | | | | | | |
| 0,8 | 3,8 | ● | ● | ● | ● | ● | ● | ● | | | 4,2 | | | | |
| 1,0 | | ● | ● | ● | ● | ● | ● | ● | | | | | | | |
| 1,2 | | | ● | ● | ● | ● | ● | ● | | | | | | | |
| 1,0 | 4,5 | | ● | ● | ● | ● | ● | ● | | | 5 | 10 | | | |
| 1,2 | | | ● | ● | ● | ● | ● | ● | | | | | | | |
| 1,5 | | | ● | ● | ● | ● | ● | ● | | | | | | | |
| 1,0 | 5,5 | | ● | ● | ● | ● | ● | ● | ● | | 6 | 12 | 5 | 0,5 | |
| 1,2 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 1,5 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 2,0 | | | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 1,2 | 7,5 | | | ● | ● | ● | ● | ● | ● | | 8 | 14 | | | |
| 1,5 | | | | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 2,0 | | | | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 1,5 | 9,5 | | | | | ● | ● | ● | ● | | 10 | 16 | | | |
| 2,0 | | | | | | ● | ● | ● | ● | ● | | | | | |
| 2,0 | 11,5 | | | | | | ● | ● | ● | ● | 12 | 18 | 7 | 0,8 | |
| 2,5 | | | | | | | ● | ● | ● | ● | | | | | |
| 2,0 | 15,5 | | | | | | ● | ● | ● | ● | 16 | 22 | | | |
| 2,5 | | | | | | | | | ● | ● | | | | | |

# Z3060

*Ulostyöntöholkki, karkaistu*
*Ejector sleeve, hardened*
*Выталкиватель трубчатый*

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*




## Z3060 / D1 / D3 x L1

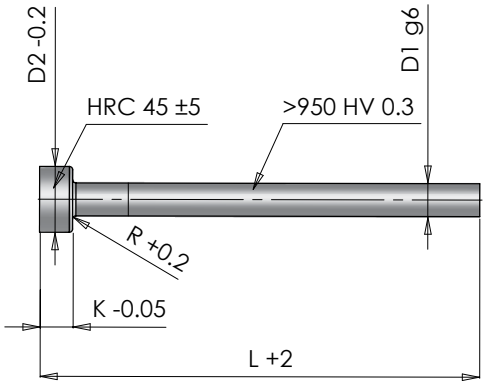
**Mat.WS**

| D1 | D3 | L1 | | | | | | | | | | | | | | L2 | R | K | D2 | D4 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 50 | 60 | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 400 | | | | | |
| 1,5 | 3,0 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | 35 | 0,3 | 3 | 6 | 1,8 |
| 1,7 | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | | | 2 |
| 1,8 | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | | | 2,1 |
| 1,9 | | | | | ● | ● | | | | | | | | | | | | | | 2,2 |
| 2,0 | 4,0 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | 8 | 2,5 |
| 2,2 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 2,5 | 5,0 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | 10 | 3 |
| 2,7 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| 3,0 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | 45 | | | | 3,5 |
| 3,2 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | |
| 3,5 | 6,0 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | 0,5 | 5 | 12 | 4 |
| 3,7 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| 4,0 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | 4,5 |
| 4,2 | 8,0 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | 14 | |
| 4,5 | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | 5 |
| 5,0 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | 5,5 |
| 5,2 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 5,5 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | 5,8 |
| 6,0 | 10,0 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | 16 | 6,5 |
| 6,2 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 6,5 | | | | | | ● | | | | | | | | | | | | | | 7 |
| 7,0 | | | | ● | ● | ● | | | ● | ● | ● | | | | | | | | | 7,7 |
| 8,0 | 12,0 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | 0,8 | 7 | 20 | 8,5 |
| 8,2 | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | |
| 8,5 | | | | | ● | ● | | | ● | ● | ● | | | | | | | | | 9 |
| 9,0 | | | | | ● | ● | | | | | | | | | | | | | | 9,3 |
| 10,0 | 14,0 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | 22 | 10,5 |
| 10,5 | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | 11 |
| 11,0 | | | | | ● | ● | | | | | | | | | | | | | | 11,5 |
| 12,0 | 16,0 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | 12,5 |
| 12,5 | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | 13 |
| 16,0 | 20,0 | | | | ● | ● | | | ● | | | | | | | 50 | 1 | 8 | 26 | 16,5 |

# Z3070

*Ulostyöntötappi, nitrattu -* **A**
*Ejector pin, nitrated -* **A**
*Выталкиватель гладкий азотированный -* **A**

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*




**Z3070 / D1 x L / A**

**Mat. Hot working steel / Сталь для горячего деформирования**

| D1 | L | | | | | | | | | | | D2 | K | R |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 100 | 125 | 160 | 200 | 250 | 315 | 400 | 500 | 630 | 800 | 1000 | | | |
| 1,0 | ● | ● | ● | ● | | | | | | | | 2,5 | 1,2 | 0,2 |
| 1,1 | ● | ● | ● | ● | | | | | | | | | | |
| 1,2 | ● | ● | ● | ● | | | | | | | | | | |
| 1,3 | ● | ● | ● | ● | | | | | | | | 3 | 1,5 | |
| 1,4 | ● | ● | ● | ● | | | | | | | | | | |
| 1,5 | ● | ● | ● | ● | ● | | | | | | | | | |
| 1,6 | ● | ● | ● | ● | | | | | | | | | | |
| 1,7 | ● | ● | ● | ● | | | | | | | | | | |
| 1,8 | ● | ● | ● | ● | | | | | | | | | | |
| 1,9 | ● | ● | ● | ● | | | | | | | | | | |
| 2,0 | ● | ● | ● | ● | ● | ● | ● | | | | | 4 | 2 | |
| 2,1 | ● | ● | ● | ● | ● | ● | | | | | | | | |
| 2,2 | ● | ● | ● | ● | ● | ● | | | | | | | | |
| 2,5 | ● | ● | ● | ● | ● | ● | | | | | | 5 | | 0,3 |
| 2,6 | ● | ● | ● | ● | ● | ● | | | | | | | | |
| 2,7 | ● | ● | ● | ● | ● | ● | | | | | | | | |
| 2,8 | ● | ● | ● | ● | ● | | | | | | | | | |
| 3,0 | ● | ● | ● | ● | ● | ● | ● | ● | | | | 6 | 3 | |
| 3,1 | ● | ● | ● | ● | ● | ● | ● | | | | | | | |
| 3,2 | ● | ● | ● | ● | ● | ● | ● | | | | | | | |
| 3,3 | ● | ● | ● | | | | | | | | | | | |
| 3,4 | ● | ● | ● | ● | | | | | | | | | | |
| 3,5 | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | 7 | | |
| 3,6 | ● | ● | ● | ● | ● | ● | ● | | | | | | | |
| 3,7 | ● | ● | ● | ● | ● | ● | ● | | | | | | | |
| 3,8 | ● | ● | ● | ● | | | | | | | | | | |
| 4,0 | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | 8 | | |
| 4,1 | ● | ● | ● | ● | ● | ● | ● | | | | | | | |
| 4,2 | ● | ● | ● | ● | ● | ● | ● | ● | | ● | | | | |
| 4,3 | ● | ● | ● | ● | | | | | | | | | | |
| 4,4 | ● | ● | ● | | | | | | | | | | | |
| 4,5 | ● | ● | ● | ● | ● | ● | ● | ● | | ● | | | | |

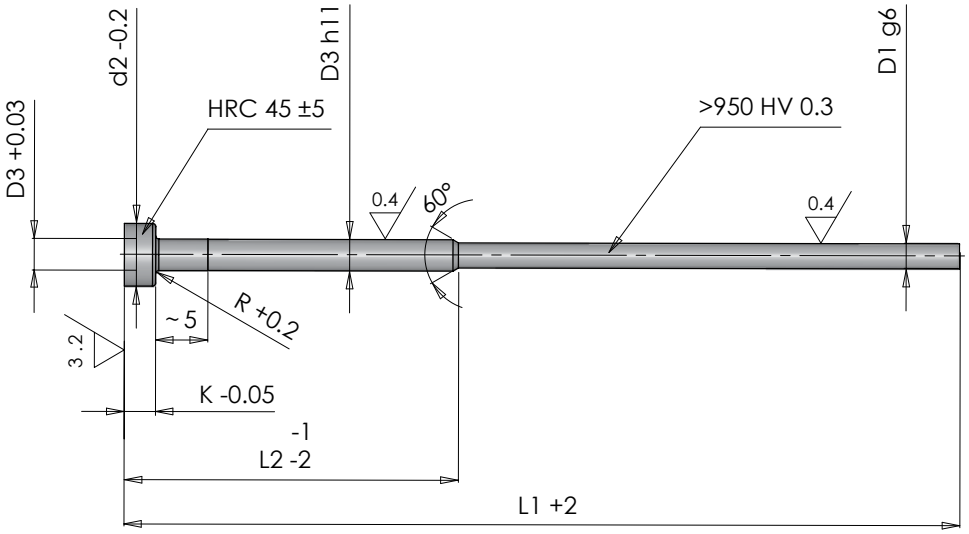
# Z3070

| D1 | L | | | | | | | | | | | D2 | K | R |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 100 | 125 | 160 | 200 | 250 | 315 | 400 | 500 | 630 | 800 | 1000 | | | |
| 4,6 | ● | ● | ● | ● | | | | | | | | 8 | 3 | 0,3 |
| 4,7 | ● | ● | ● | | | | | | | | | | | |
| 4,8 | ● | ● | ● | | | | | | | | | | | |
| 4,9 | ● | ● | ● | ● | | | | | | | | | | |
| 5,0 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | 10 | | |
| 5,1 | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 5,2 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | |
| 5,3 | ● | ● | ● | ● | ● | | | | | | | | | |
| 5,4 | ● | ● | ● | ● | ● | | | | | | | | | |
| 5,5 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | |
| 6,0 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | 12 | 5 | 0,5 |
| 6,1 | ● | ● | ● | ● | | | | | | | | | | |
| 6,2 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | |
| 6,3 | ● | ● | ● | ● | | | | | | | | | | |
| 6,5 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | |
| 6,6 | ● | ● | ● | ● | | | | | | | | | | |
| 6,7 | ● | ● | ● | ● | | | | | | | | | | |
| 6,8 | ● | ● | ● | ● | ● | | | | | | | | | |
| 6,9 | ● | ● | ● | ● | | | | | | | | | | |
| 7,0 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | |
| 7,2 | ● | ● | ● | ● | ● | ● | | | | | | | | |
| 7,5 | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 8,0 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | 14 | | |
| 8,2 | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 8,5 | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 8,7 | ● | ● | ● | ● | | | | | | | | | | |
| 9,0 | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 9,5 | ● | ● | ● | ● | ● | ● | ● | | | | | | | |
| 10,0 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | 16 | | |
| 10,2 | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 10,5 | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 1,0 | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 12,0 | ● | ● | ● | ● | | | | | | | | 18 | 7 | 0,8 |
| 12,2 | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 12,5 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | |
| 13,0 | ● | ● | ● | ● | ● | ● | ● | | | | | | | |
| 14,0 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | 22 | | |
| 15,0 | ● | ● | ● | ● | ● | | | | | | | | | |
| 16,0 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | |
| 18,0 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | 24 | | |
| 20,0 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | 26 | 8 | 1,0 |
| 25,0 | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | 32 | 10 | |
| 32,0 | | | | ● | ● | ● | ● | ● | ● | ● | ● | 40 | 10 | |

# Z3080

*Ulostyöntötappi, nitrattu, vahvistettu -* **C**
*Shouldered ejector pin, nitrated -* **C**
*Выталкиватель ступенчатый азотированный -* **C**

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*




**Z3080 / D1 x L1 / C**

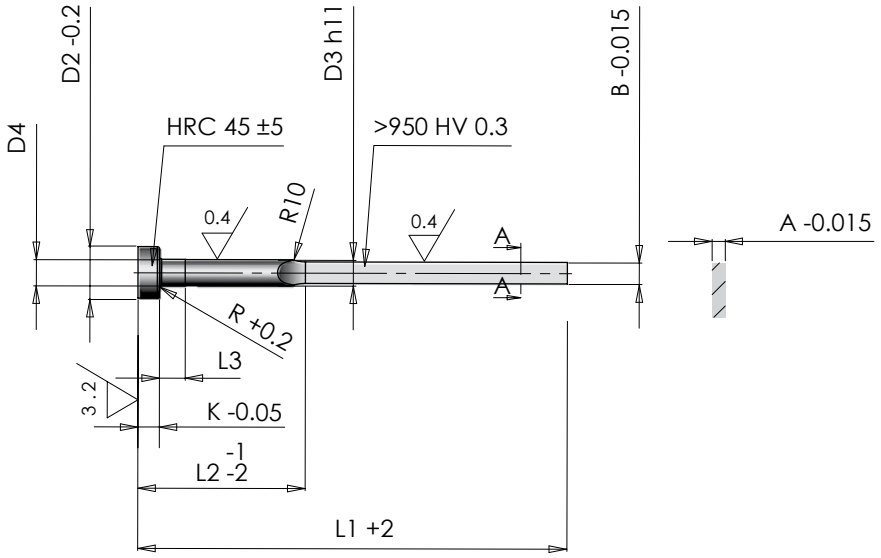
**Mat. Hot working steel / Сталь для горячего деформирования**

| D1 | L1 | | | | | D2 | D3 | K | R |
|---|---|---|---|---|---|---|---|---|---|
| | 80 | 100 | 125 | 160 | 200 | | | | |
| | L2 | | | | | | | | |
| | 32 | 50 | 50 | 63 | 80 | | | | |
| 0,8 | ● | ● | ● | ● | ● | 4 | 2 | 2 | 0,2 |
| 0,9 | ● | ● | ● | ● | ● | | | | |
| 1,0 | ● | ● | ● | ● | ● | | | | |
| 1,1 | ● | ● | ● | ● | ● | | | | |
| 1,2 | ● | ● | ● | ● | ● | | | | |
| 1,3 | ● | ● | ● | ● | ● | | | | |
| 1,4 | ● | ● | ● | ● | ● | | | | |
| 1,5 | ● | ● | ● | ● | ● | 6 | 3 | 3 | 0,3 |
| 1,6 | ● | ● | ● | ● | ● | | | | |
| 1,7 | ● | ● | ● | ● | ● | | | | |
| 1,8 | ● | ● | ● | ● | ● | | | | |
| 1,9 | ● | ● | ● | ● | ● | | | | |
| 2,0 | ● | ● | ● | ● | ● | | | | |
| 2,1 | ● | ● | ● | ● | ● | | | | |
| 2,2 | ● | ● | ● | ● | ● | | | | |
| 2,3 | ● | ● | ● | ● | ● | | | | |
| 2,4 | ● | ● | ● | ● | ● | | | | |
| 2,5 | | ● | ● | ● | ● | | | | |
| 2,6 | | | | | | | | | |
| 2,7 | | | | | | | | | |
| 2,8 | | | | | | | | | |
| 2,9 | | | | | | | | | |
| 3,0 | | | | | | 8 | 4 | 3 | 0,3 |
| 3,1 | | | | | | | | | |
| 3,2 | | | | | | | | | |
| 3,3 | | | | | | | | | |
| 3,4 | | | | | | | | | |
| 3,5 | | | | | | | | | |

# Z3090

*Liuskaulostyöntäjä, nitrattu -* **FA**
*Ejector pin, flat, nitrated -* **FA**
*Выталкиватель пластинчатый азотированный -* **FA**

- = *Standardivalikoima*
- = *Standard assortment*
- = *Стандартные диапазон*




**Z3090 / A x B x L1 / FA**

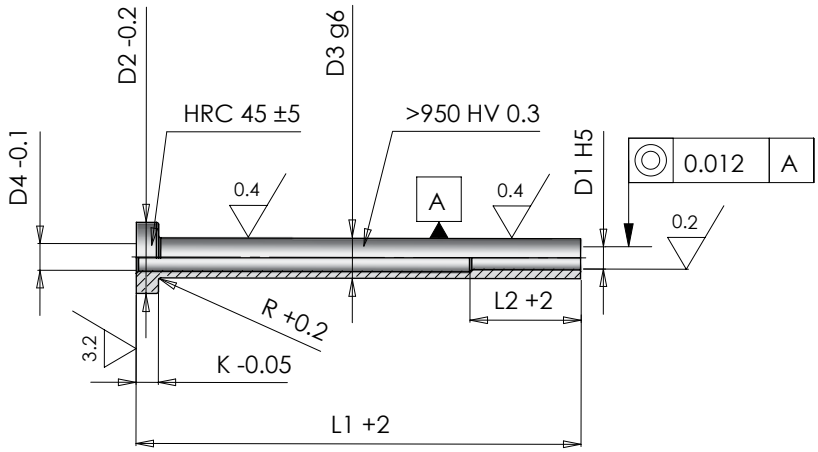
**Mat. Hot working steel / Сталь для горячего деформирования**

| A | B | L1 | | | | | | | | | D3 | D2 | K | R1 | R2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 63 | 80 | 100 | 125 | 160 | 200 | 250 | 315 | 400 | | | | | |
| | | L2 | | | | | | | | | | | | | |
| | | 32 | 40 | 50 | 63 | 80 | 100 | 125 | 160 | 200 | | | | | |
| 0,8 | 3,5 | ● | ● | ● | ● | ● | | | | | 4 | 8 | 3 | 0,3 | 10 |
| 1,0 | | ● | ● | ● | ● | | | | | | | | | | |
| 1,2 | | ● | ● | ● | ● | | | | | | | | | | |
| 0,8 | 3,8 | | ● | ● | ● | | | | | | 4,2 | | | | |
| 1,0 | | | ● | ● | ● | ● | ● | | | | | | | | |
| 1,2 | | | ● | ● | ● | ● | ● | ● | | | | | | | |
| 1,0 | 4,5 | | ● | ● | ● | ● | ● | | | | 5 | 10 | | | |
| 1,2 | | | ● | ● | ● | ● | ● | | | | | | | | |
| 1,5 | | | ● | ● | ● | ● | ● | ● | | | | | | | |
| 1,0 | 5,5 | | ● | ● | ● | ● | ● | ● | ● | | 6 | 12 | 5 | 0,5 | |
| 1,2 | | | ● | ● | ● | ● | ● | ● | | | | | | | |
| 1,5 | | | | ● | ● | ● | ● | | | | | | | | |
| 2,0 | | | | ● | ● | ● | ● | | | | | | | | |
| 1,2 | 7,5 | | | ● | ● | ● | ● | ● | ● | | 8 | 14 | | | |
| 1,5 | | | | | ● | ● | ● | ● | ● | ● | | | | | |
| 2,0 | | | | | | ● | ● | ● | ● | | | | | | |
| 1,5 | 9,5 | | | | | ● | ● | ● | ● | | 10 | 16 | | | |
| 2,0 | | | | | | | ● | ● | ● | ● | | | | | |
| 2,0 | 11,5 | | | | | | ● | ● | ● | ● | 12 | 18 | 7 | 0,8 | |
| 2,5 | | | | | | | ● | ● | ● | ● | | | | | |
| 2,0 | 15,5 | | | | | | ● | ● | ● | ● | 16 | 22 | | | |
| 2,5 | | | | | | | ● | ● | ● | ● | | | | | |

# Z3100

*Ulostyöntöholkki, nitrattu*
*Ejector sleeve, nitrated*
*Выталкиватель трубчатый азотированный*

- ● = *Standardivalikoima*
- ● = *Standard assortment*
- ● = *Стандартные диапазон*



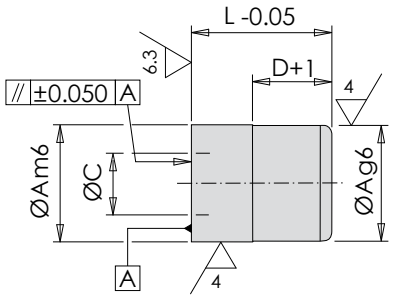

## Z3100 / D1 / D3 x L1

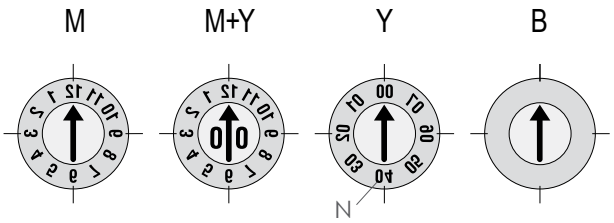
**Mat. Hot working steel / Сталь для горячего деформирования**

| D1 | D3 | L1 | | | | | | | | | | | | | | L2 | R | K | D2 | D4 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 50 | 60 | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 400 | | | | | |
| 1,5 | 3,0 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | 35 | 0,3 | 3 | 6 | 1,8 |
| 1,6 | | | ● | ● | ● | ● | ● | ● | | | | | | | | | | | | 2 |
| 1,7 | | | | | ● | ● | | | | | | | | | | | | | | |
| 2,0 | 4,0 | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | 8 | 2,5 |
| 2,2 | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| 2,5 | 5,0 | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | 10 | 3 |
| 2,7 | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| 3,0 | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | 45 | | | | 3,5 |
| 3,2 | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| 3,5 | 6,0 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | 0,5 | 5 | 12 | 4 |
| 3,7 | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 4,0 | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | 4,5 |
| 4,2 | 8,0 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | 14 | |
| 4,5 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | 5 |
| 5,0 | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | 5,5 |
| 5,2 | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | |
| 5,5 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | 5,8 |
| 6,0 | 10,0 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | 16 | 6,5 |
| 6,2 | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 7,0 | | | | | | | | | ● | ● | ● | | | | | | | | | 7,5 |
| 8,0 | 12,0 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | 0,8 | 7 | 20 | 8,5 |
| 8,2 | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| 9,0 | | | | | ● | ● | | | | | | | | | | | | | | 9,3 |
| 10,0 | 14,0 | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | 22 | 10,5 |
| 10,5 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | 11 |
| 12,0 | 16,0 | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | 12,5 |
| 12,5 | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | 13 |
| 16,0 | 20,0 | | | | ● | ● | | | ● | ● | ● | | | | | 50 | 1 | 8 | 26 | 16,5 |

# Z4057

*Päivyri -* **FA**
*Date stamp -* **FA**
*Знак маркировки даты -* **FA**




**Z4057 / FA...** **Mat. INOX. 1.4034. Hardened 51 ± 3 HRC.**

| A | M | M+Y | Y | B | N | L | E | D | C | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **4** | FA.0422SF | FA.042212-? | FA.042204-? | FA.042200 | 4 | 12 | 3,5 | 6 | 2,2 | | | | | | | |
| **5** | FA.0530SF | FA.053012-? | FA.053004-? | FA.053000 | 4 | 12 | 3,5 | 6 | 3,0 | | | | | | | |
| **6** | FA.0632SF | FA.063212-? | FA.063205-? | FA.063200 | 5 | 20 | 4,0 | 12 | 3,2 | | | | | | | |
| **8** | FA.0847SF | FA.084712-? | FA.084705-? | FA.084700 | 5 | 20 | 6,0 | 12 | 4,7 | | | | | | | |
| **10** | FA.1057SF | FA.105712-? | FA.105706-? | FA.105700 | 6 | 20 | 8,0 | 12 | 5,7 | | | | | | | |
| **12** | FA.1267SF | FA.126712-? | FA.126708-? | FA.126700 | 8 | 20 | 10,0 | 12 | 6,7 | | | | | | | |
| **16** | FA.1687SF | FA.168712-? | FA.168710-? | FA.168700 | 10 | 20 | 12,0 | 12 | 8,7 | | | | | | | |
| **20** | FA.2007SF | FA.200712-? | FA.200710-? | FA.200700 | 10 | 20 | 14,0 | 12 | 10,7 | | | | | | | |
| | | | | | | | | | | | | | | | | |

**? = Vuosi / Year / Год**

K

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