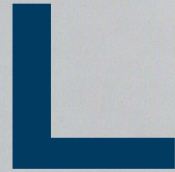
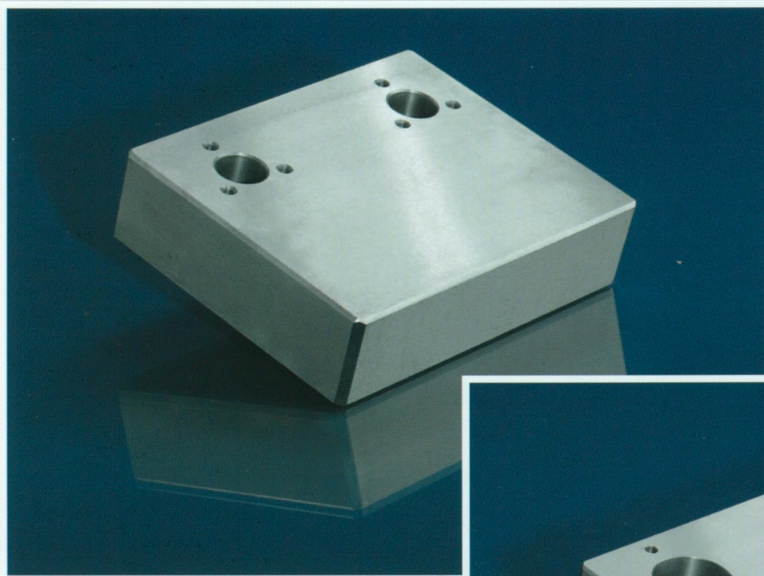
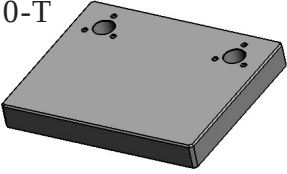
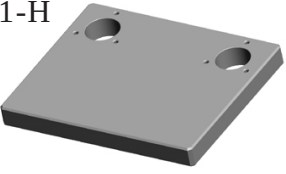
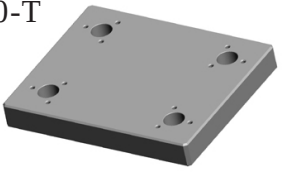
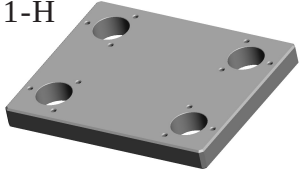
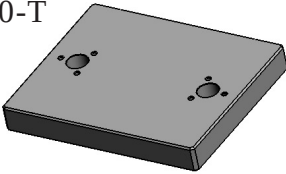
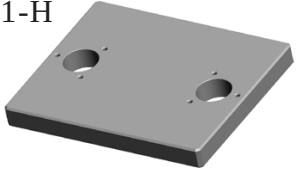
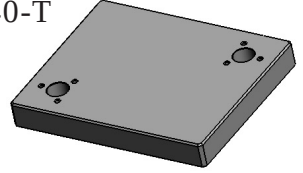
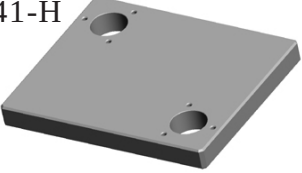
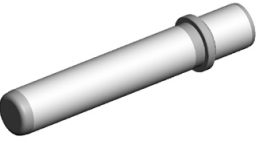
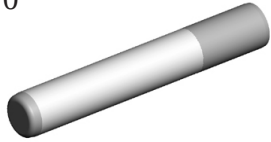
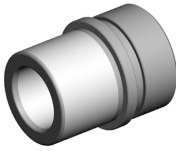
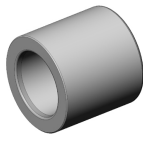
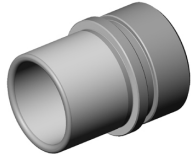
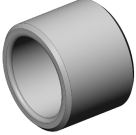
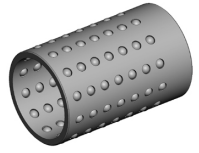
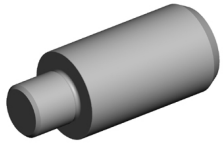
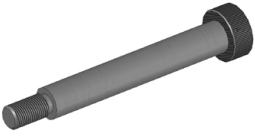
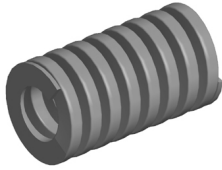
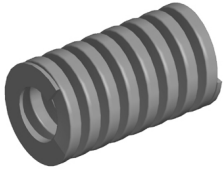
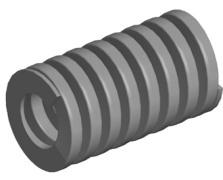
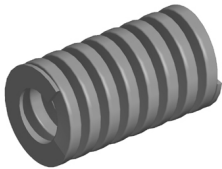
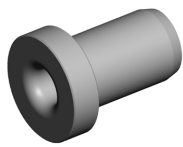
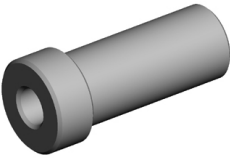
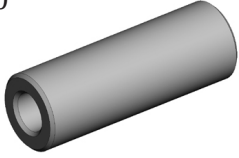
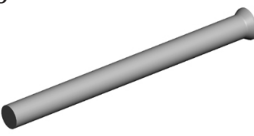
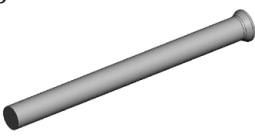


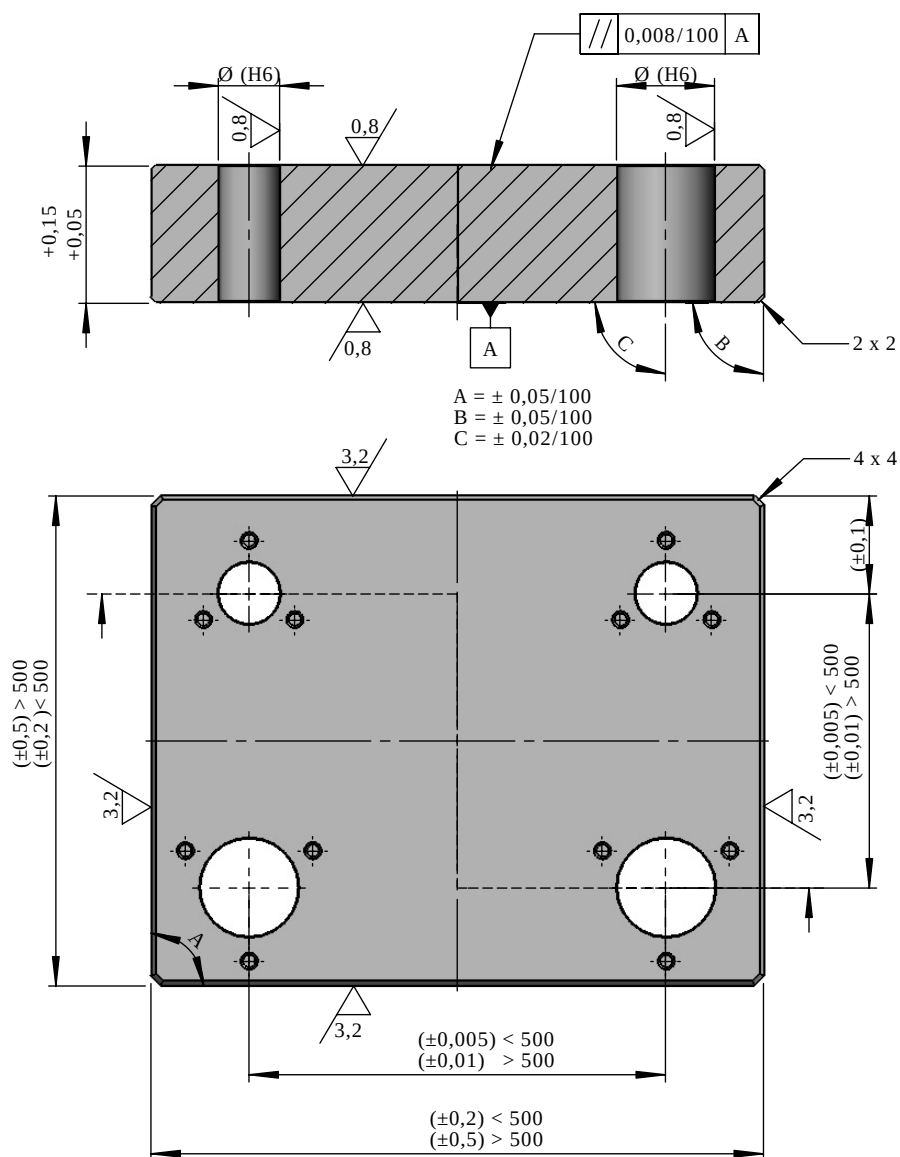


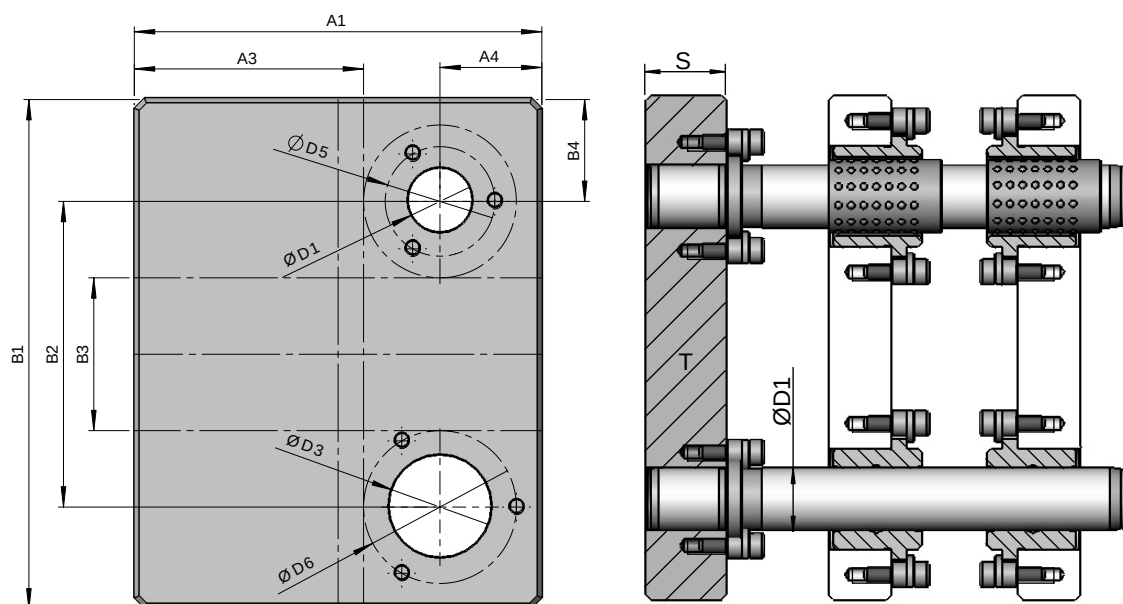
FODESCO®

EVERYTHING FOR MOULDS



L1010-T  L4	L1011-H  L5	L1020-T  L6
L1021-H  L7	L1030-T  L8	L1031-H  L9
L1040-T  L10	L1041-H  L11	L1210  L12
L1220  L12	L1410  L13	L1420  L13
L1610  L14	L1620  L14	L1810  L15
L2010  L12	L2020  L12	L2030  L15
L2210  L15	L2410 GREEN  L16	L2420 BLUE  L16
L2430 RED  L16	L2440 YELLOW  L16	L2610  L21
L2620  L21	L2810  L22	L2820  L22
L3010  L22	L3210  L23	L3230  L24

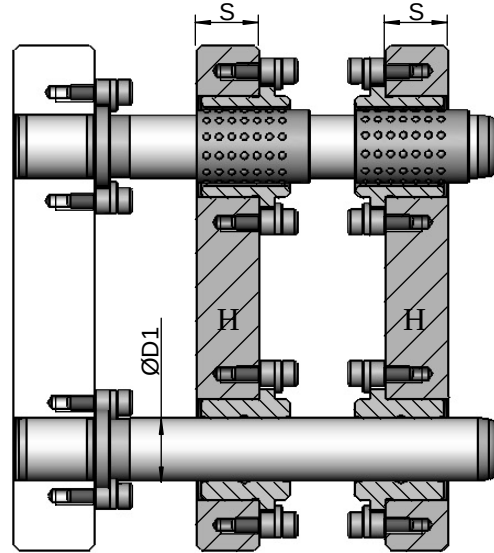
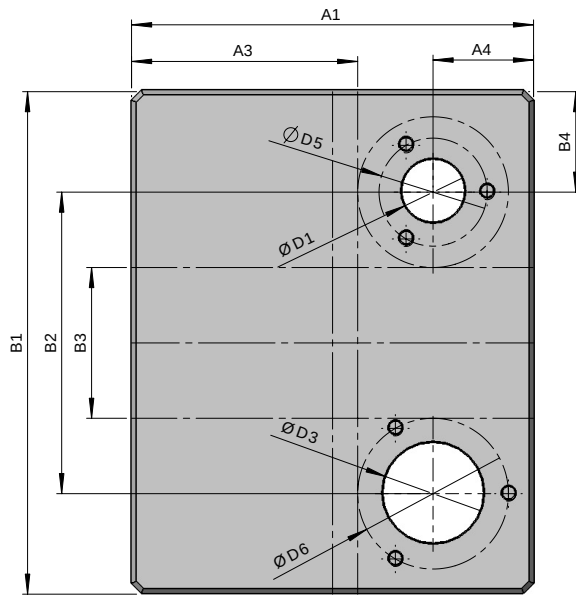




S = 32, 36, 40, 45, 50, 56, 63, 71, 80, 90, 100, 112

W.1.1730

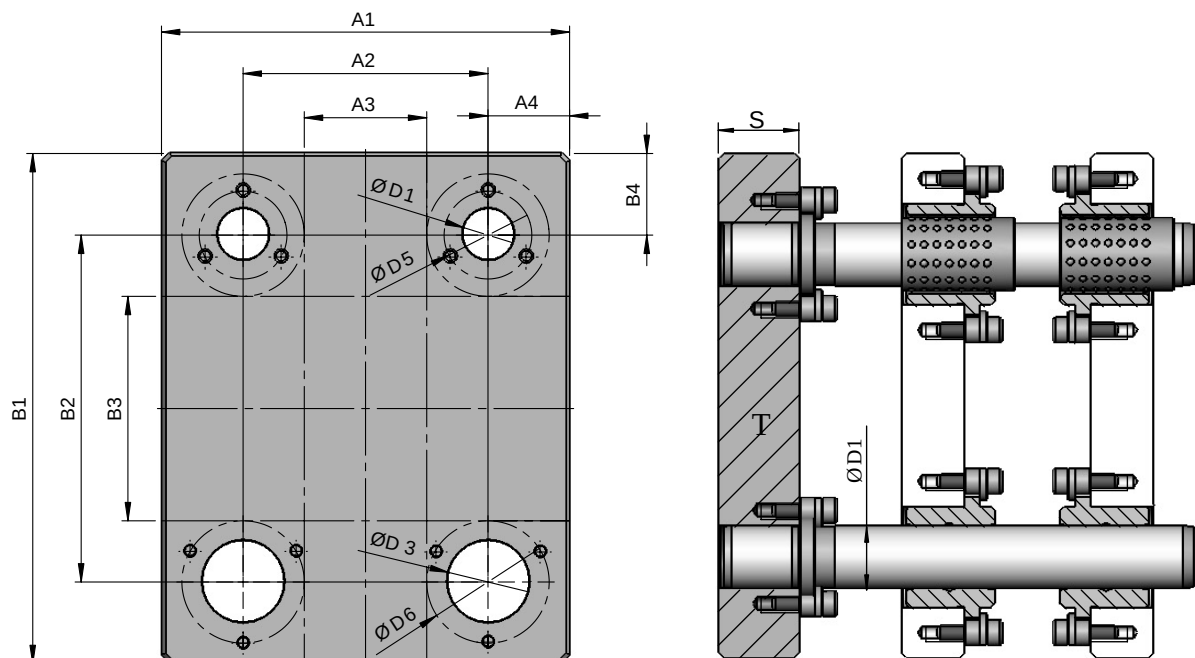
D1	D3	D6	B2	B3	D5	A4; B4	A3 x B1	A1 x B1	L1010 / A1B1 / S / T
25	40	60	120	60	43	40	50*200	120*200	L1010 / 1220 / S / T
25	40	60	170	110	43	40	50*250	120*250	L1010 / 1225 / S / T
25	40	60	120	60	43	40	90*200	160*200	L1010 / 1620 / S / T
25	40	60	170	110	43	40	90*250	160*250	L1010 / 1625 / S / T
32	48	67	225	158	51	45	82*315	160*315	L1010 / 1631 / S / T
25	40	60	120	60	43	40	130*200	200*200	L1010 / 2020 / S / T
25	40	60	170	110	43	40	130*250	200*250	L1010 / 2025 / S / T
32	48	67	225	158	51	45	122*315	200*315	L1010 / 2031 / S / T
32	48	67	310	243	51	45	122*400	200*400	L1010 / 2040 / S / T
25	40	60	170	110	43	40	180*250	250*250	L1010 / 2525 / S / T
32	48	67	225	158	51	45	172*315	250*315	L1010 / 2531 / S / T
32	48	67	310	243	51	45	172*400	250*400	L1010 / 2540 / S / T
40	58	77	400	323	61	50	162*500	250*500	L1010 / 2550 / S / T
32	48	67	225	158	51	45	237*315	315*315	L1010 / 3131 / S / T
32	48	67	310	243	51	45	237*400	315*400	L1010 / 3140 / S / T
40	58	77	400	323	61	50	227*500	315*500	L1010 / 3150 / S / T
50	70	91	510	419	74	60	210*630	315*630	L1010 / 3163 / S / T
32	48	67	310	243	51	45	322*400	400*400	L1010 / 4040 / S / T
40	58	77	400	323	61	50	312*500	400*500	L1010 / 4050 / S / T
50	70	91	510	419	74	60	295*630	400*630	L1010 / 4063 / S / T
50	70	91	590	499	74	60	295*710	400*710	L1010 / 4071 / S / T
40	58	77	400	323	61	50	412*500	500*500	L1010 / 5050 / S / T
50	70	91	510	419	74	60	395*630	500*630	L1010 / 5063 / S / T
50	70	91	590	499	74	60	395*710	500*710	L1010 / 5071 / S / T
50	70	91	680	589	74	60	395*800	500*800	L1010 / 5080 / S / T
50	70	91	510	419	74	60	525*630	630*630	L1010 / 6363 / S / T
50	70	91	590	499	74	60	525*710	630*710	L1010 / 6371 / S / T
50	70	91	680	589	74	60	525*800	630*800	L1010 / 6380 / S / T



S = 22, 25, 28, 32, 36, 40, 45, 50, 56, 63, 71, 80, 90, 100, 112

W.1.1730

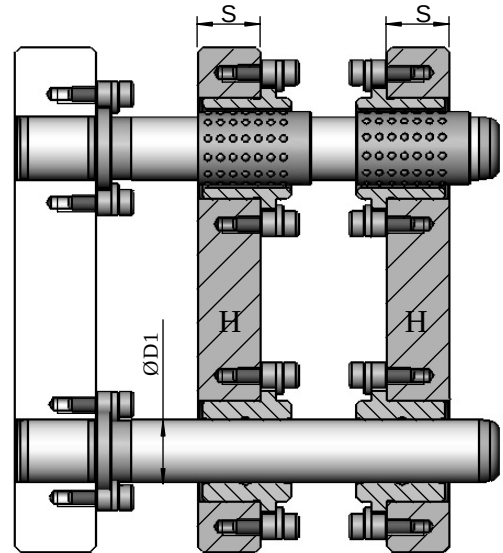
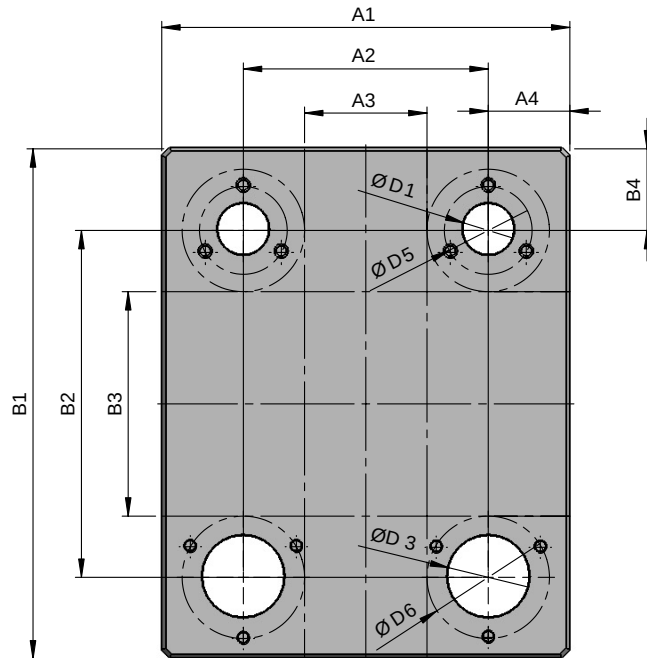
D1	D3	D6	B2	B3	D5	A4; B4	A3 x B1	A1 x B1	L1011 / A1B1 / S / H
25	40	60	120	60	43	40	50*200	120*200	L1011 / 1220 / S / H
25	40	60	170	110	43	40	50*250	120*250	L1011 / 1225 / S / H
25	40	60	120	60	43	40	90*200	160*200	L1011 / 1620 / S / H
25	40	60	170	110	43	40	90*250	160*250	L1011 / 1625 / S / H
32	48	67	225	158	51	45	82*315	160*315	L1011 / 1631 / S / H
25	40	60	120	60	43	40	130*200	200*200	L1011 / 2020 / S / H
25	40	60	170	110	43	40	130*250	200*250	L1011 / 2025 / S / H
32	48	67	225	158	51	45	122*315	200*315	L1011 / 2031 / S / H
32	48	67	310	243	51	45	122*400	200*400	L1011 / 2040 / S / H
25	40	60	170	110	43	40	180*250	250*250	L1011 / 2525 / S / H
32	48	67	225	158	51	45	172*315	250*315	L1011 / 2531 / S / H
32	48	67	310	243	51	45	172*400	250*400	L1011 / 2540 / S / H
40	58	77	400	323	61	50	162*500	250*500	L1011 / 2550 / S / H
32	48	67	225	158	51	45	237*315	315*315	L1011 / 3131 / S / H
32	48	67	310	243	51	45	237*400	315*400	L1011 / 3140 / S / H
40	58	77	400	323	61	50	227*500	315*500	L1011 / 3150 / S / H
50	70	91	510	419	74	60	210*630	315*630	L1011 / 3163 / S / H
32	48	67	310	243	51	45	322*400	400*400	L1011 / 4040 / S / H
40	58	77	400	323	61	50	312*500	400*500	L1011 / 4050 / S / H
50	70	91	510	419	74	60	295*630	400*630	L1011 / 4063 / S / H
50	70	91	590	499	74	60	295*710	400*710	L1011 / 4071 / S / H
40	58	77	400	323	61	50	412*500	500*500	L1011 / 5050 / S / H
50	70	91	510	419	74	60	395*630	500*630	L1011 / 5063 / S / H
50	70	91	590	499	74	60	395*710	500*710	L1011 / 5071 / S / H
50	70	91	680	589	74	60	395*800	500*800	L1011 / 5080 / S / H
50	70	91	510	419	74	60	525*630	630*630	L1011 / 6363 / S / H
50	70	91	590	499	74	60	525*710	630*710	L1011 / 6371 / S / H
50	70	91	680	589	74	60	525*800	630*800	L1011 / 6380 / S / H



S = 32, 36, 40, 45, 50, 56, 63, 71, 80, 90, 100, 112

W.1.1730

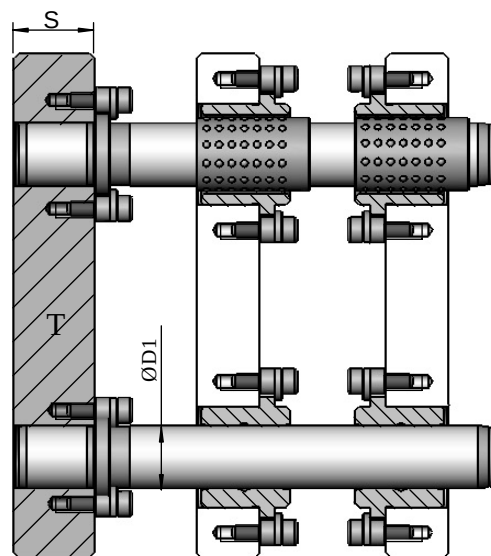
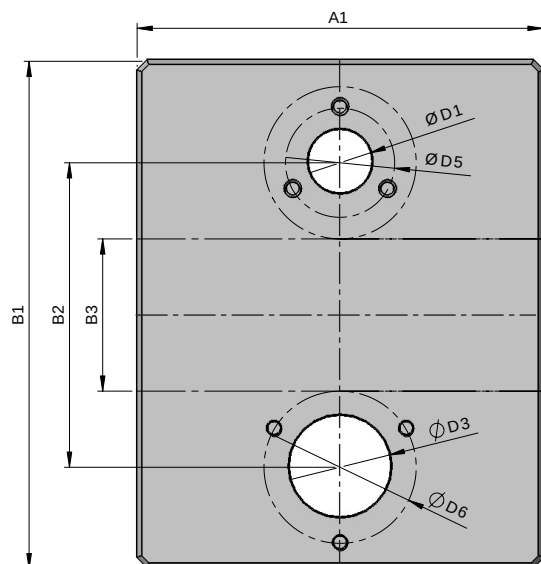
[illegible]



S = 22, 25, 28, 32, 36, 40, 45, 50, 56, 63, 71, 80, 90, 100, 112

W.1.1730

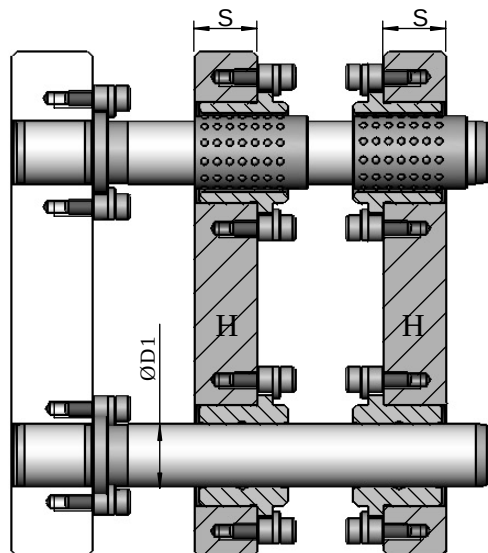
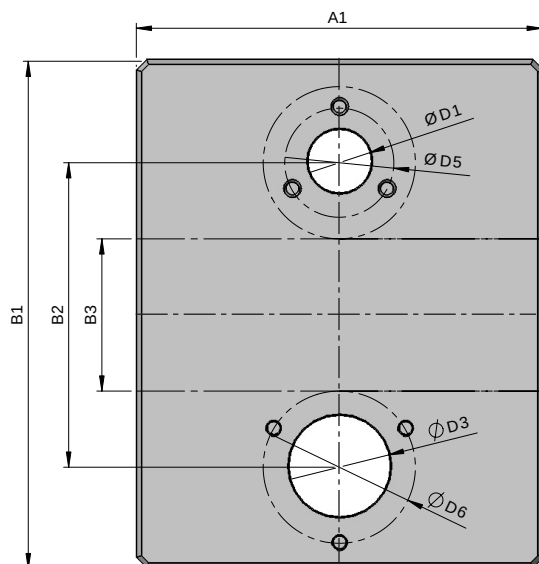
[illegible]



S = 32, 36, 40, 45, 50, 56, 63, 71, 80, 90, 100, 112

W.1.1730

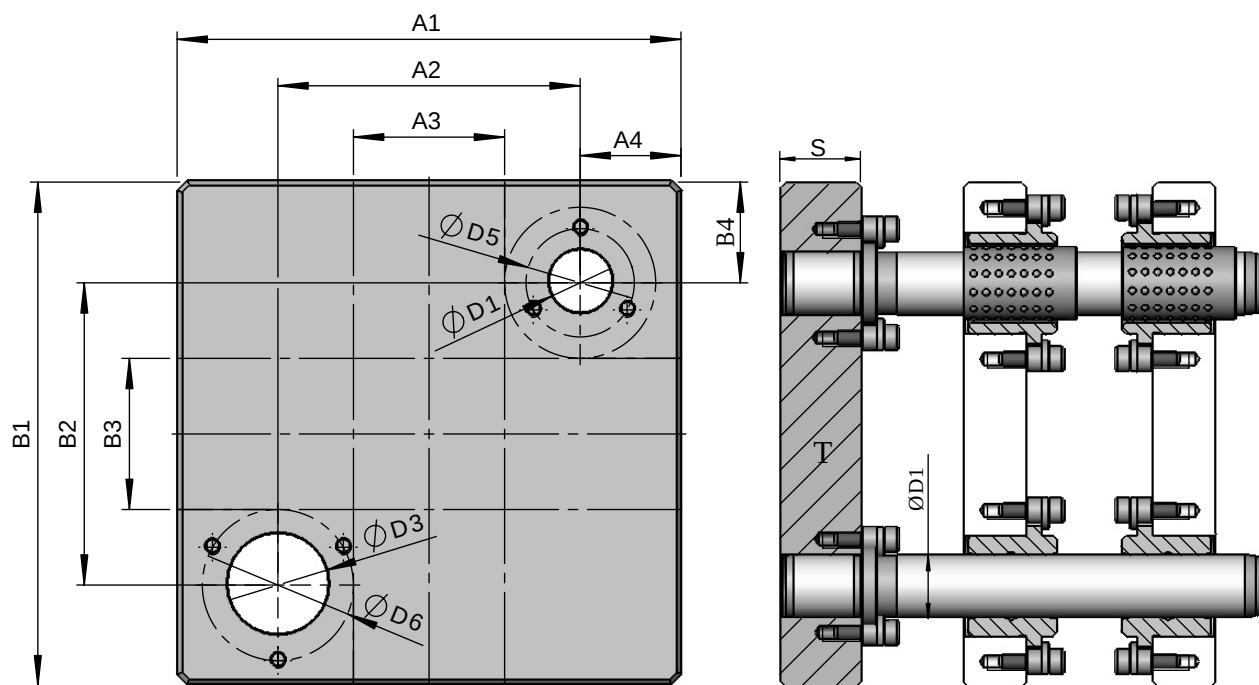
D1	D3	D6	B2	B3	D5	A1 x B3	A1 x B1	L1030 / A1B1 / S / T
25	40	60	120	60	43	120*60	120*200	L1030 / 1220 / S / T
25	40	60	170	110	43	120*110	120*250	L1030 / 1225 / S / T
25	40	60	120	60	43	160*60	160*200	L1030 / 1620 / S / T
25	40	60	170	110	43	160*110	160*250	L1030 / 1625 / S / T
32	48	67	225	158	51	160*158	160*315	L1030 / 1631 / S / T
25	40	60	120	60	43	200*60	200*200	L1030 / 2020 / S / T
25	40	60	170	110	43	200*110	200*250	L1030 / 2025 / S / T
32	48	67	225	158	51	200*158	200*315	L1030 / 2031 / S / T
32	48	67	310	243	51	200*243	200*400	L1030 / 2040 / S / T
25	40	60	170	110	43	250*110	250*250	L1030 / 2525 / S / T
32	48	67	225	158	51	250*158	250*315	L1030 / 2531 / S / T
32	48	67	310	243	51	250*243	250*400	L1030 / 2540 / S / T
40	58	77	400	323	61	250*323	250*500	L1030 / 2550 / S / T
32	48	67	225	158	51	315*158	315*315	L1030 / 3131 / S / T
32	48	67	310	243	51	315*243	315*400	L1030 / 3140 / S / T
40	58	77	400	323	61	315*323	315*500	L1030 / 3150 / S / T
50	70	91	510	419	74	315*419	315*630	L1030 / 3163 / S / T
32	48	67	310	243	51	400*243	400*400	L1030 / 4040 / S / T
40	58	77	400	323	61	400*323	400*500	L1030 / 4050 / S / T
50	70	91	510	419	74	400*419	400*630	L1030 / 4063 / S / T
50	70	91	590	499	74	400*499	400*710	L1030 / 4071 / S / T
40	58	77	400	323	61	500*323	500*500	L1030 / 5050 / S / T
50	70	91	510	419	74	500*419	500*630	L1030 / 5063 / S / T
50	70	91	590	499	74	500*499	500*710	L1030 / 5071 / S / T
50	70	91	680	589	74	500*589	500*800	L1030 / 5080 / S / T
50	70	91	510	419	74	630*419	630*630	L1030 / 6363 / S / T
50	70	91	590	499	74	630*499	630*710	L1030 / 6371 / S / T
50	70	91	680	589	74	630*589	630*800	L1030 / 6380 / S / T



S = 22, 25, 28, 32, 36, 40, 45, 50, 56, 63, 71, 80, 90, 100, 112

W.1.1730

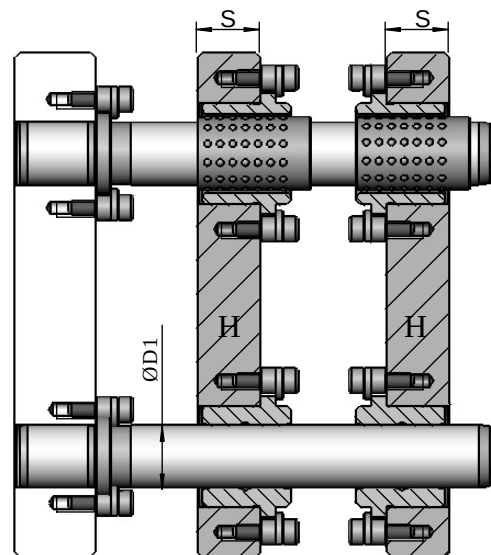
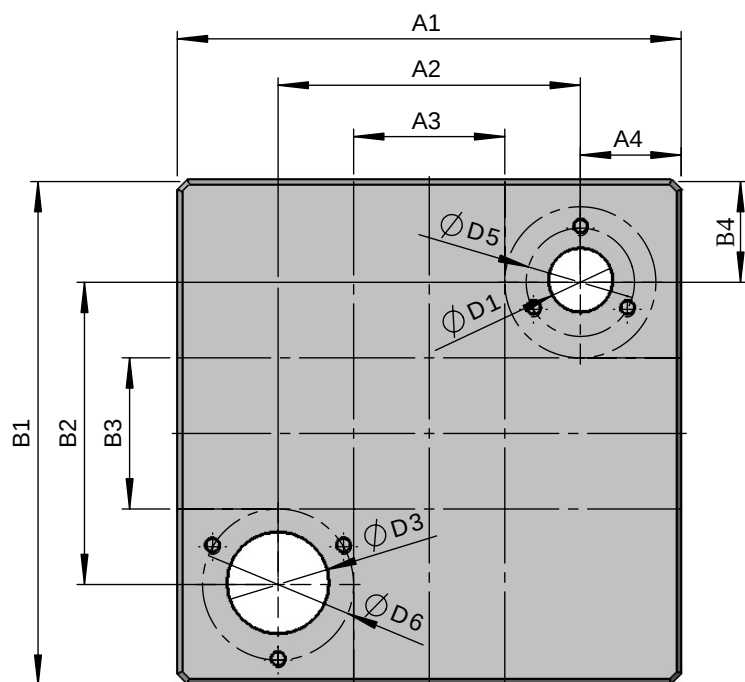
D1	D3	D6	B2	B3	D5	A1 x B3	A1 x B1	L1031 / A1B1 / S / H
25	40	60	120	60	43	120*60	120*200	L1031 / 1220 / S / H
25	40	60	170	110	43	120*110	120*250	L1031 / 1225 / S / H
25	40	60	120	60	43	160*60	160*200	L1031 / 1620 / S / H
25	40	60	170	110	43	160*110	160*250	L1031 / 1625 / S / H
32	48	67	225	158	51	160*158	160*315	L1031 / 1631 / S / H
25	40	60	120	60	43	200*60	200*200	L1031 / 2020 / S / H
25	40	60	170	110	43	200*110	200*250	L1031 / 2025 / S / H
32	48	67	225	158	51	200*158	200*315	L1031 / 2031 / S / H
32	48	67	310	243	51	200*243	200*400	L1031 / 2040 / S / H
25	40	60	170	110	43	250*110	250*250	L1031 / 2525 / S / H
32	48	67	225	158	51	250*158	250*315	L1031 / 2531 / S / H
32	48	67	310	243	51	250*243	250*400	L1031 / 2540 / S / H
40	58	77	400	323	61	250*323	250*500	L1031 / 2550 / S / H
32	48	67	225	158	51	315*158	315*315	L1031 / 3131 / S / H
32	48	67	310	243	51	315*243	315*400	L1031 / 3140 / S / H
40	58	77	400	323	61	315*323	315*500	L1031 / 3150 / S / H
50	70	91	510	419	74	315*419	315*630	L1031 / 3163 / S / H
32	48	67	310	243	51	400*243	400*400	L1031 / 4040 / S / H
40	58	77	400	323	61	400*323	400*500	L1031 / 4050 / S / H
50	70	91	510	419	74	400*419	400*630	L1031 / 4063 / S / H
50	70	91	590	499	74	400*499	400*710	L1031 / 4071 / S / H
40	58	77	400	323	61	500*323	500*500	L1031 / 5050 / S / H
50	70	91	510	419	74	500*419	500*630	L1031 / 5063 / S / H
50	70	91	590	499	74	500*499	500*710	L1031 / 5071 / S / H
50	70	91	680	589	74	500*589	500*800	L1031 / 5080 / S / H
50	70	91	510	419	74	630*419	630*630	L1031 / 6363 / S / H
50	70	91	590	499	74	630*499	630*710	L1031 / 6371 / S / H
50	70	91	680	589	74	630*589	630*800	L1031 / 6380 / S / H



S = 32, 36, 40, 45, 50, 56, 63, 71, 80, 90, 100, 112

W.1.1730

[illegible]

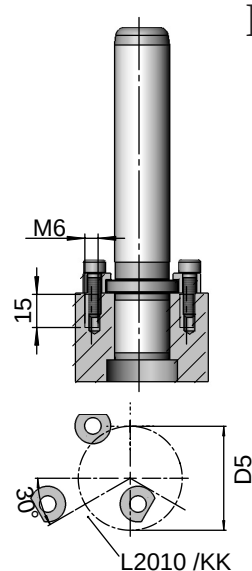
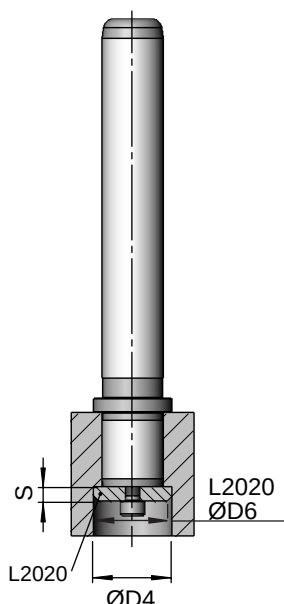
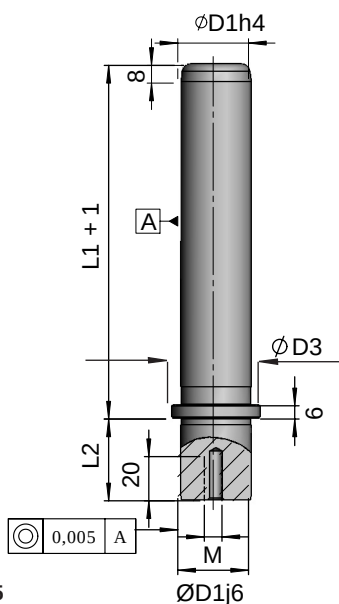


S = 22, 25, 28, 32, 36, 40, 45, 50, 56, 63, 71, 80, 90, 100, 112

W.1.1730

[illegible]

L1210

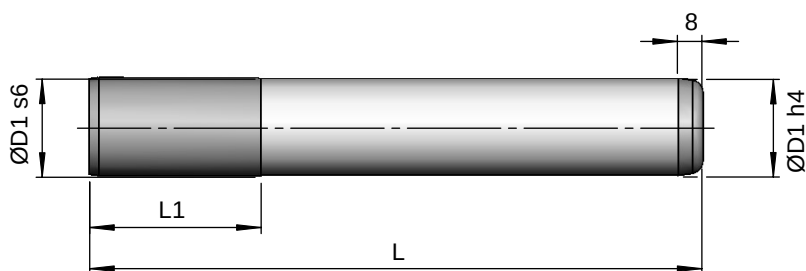


C 15

D1	L1	D3	D4	D5	L2	M	L1210 / Ø D1 x L1	L2020 / Ø D6 x S
Ø 25	140	32	34	43	30	M8	L1210 / Ø 25 x 140	L2020 / Ø 32 x 6
	160						L1210 / Ø 25 x 160	L2020 / Ø 32 x 6
	180						L1210 / Ø 25 x 180	L2020 / Ø 32 x 6
	200						L1210 / Ø 25 x 200	L2020 / Ø 32 x 6
	220						L1210 / Ø 32 x 140	L2020 / Ø 40 x 6
Ø 32	140	40	42	51	37	M8	L1210 / Ø 32 x 160	L2020 / Ø 40 x 6
	160						L1210 / Ø 32 x 180	L2020 / Ø 40 x 6
	180						L1210 / Ø 32 x 200	L2020 / Ø 40 x 6
	200						L1210 / Ø 32 x 220	L2020 / Ø 40 x 6
	250						L1210 / Ø 40 x 160	L2020 / Ø 50 x 6
Ø 40	160	50	52	61	37	M8	L1210 / Ø 40 x 180	L2020 / Ø 50 x 6
	180						L1210 / Ø 40 x 200	L2020 / Ø 50 x 6
	200						L1210 / Ø 40 x 250	L2020 / Ø 50 x 6
	220						L1210 / Ø 50 x 160	L2020 / Ø 63 x 8
	250						L1210 / Ø 50 x 180	L2020 / Ø 63 x 8
Ø 50	160	63	65	74	47	M10	L1210 / Ø 50 x 200	L2020 / Ø 63 x 8
	180						L1210 / Ø 50 x 280	L2020 / Ø 63 x 8
	200						L1210 / Ø 63 x 180	L2020 / Ø 80 x 8
	220						L1210 / Ø 63 x 200	L2020 / Ø 80 x 8
	280						L1210 / Ø 63 x 250	L2020 / Ø 80 x 8
Ø 63	180	80	82	91	47	M10	L1210 / Ø 63 x 280	L2020 / Ø 80 x 8
	280							

L2010 / KK

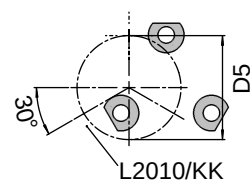
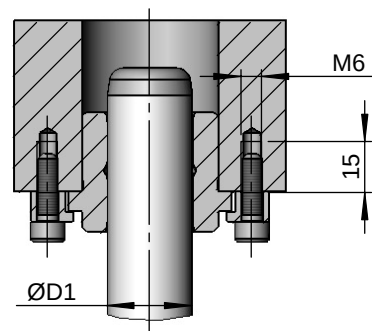
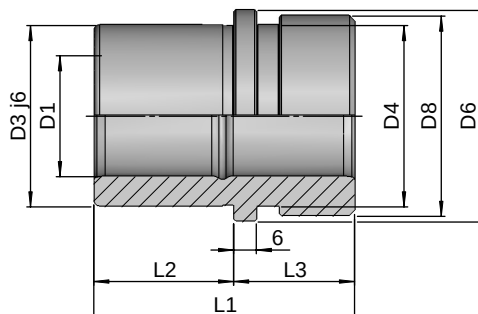
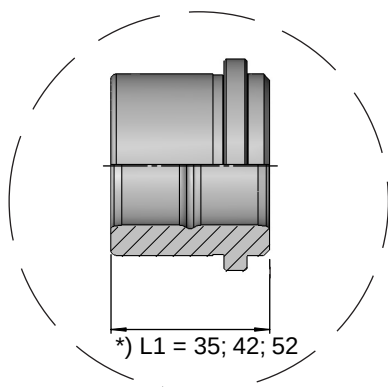
L1220



C 15

D1	L1	L							L1220 / Ø D1 x L
		140	160	180	200	220	250	280	
25	43								L1220 / Ø 25 x L
32	56								L1220 / Ø 32 x L
40	63								L1220 / Ø 40 x L
50	70								L1220 / Ø 50 x L
63	85								L1220 / Ø 63 x L

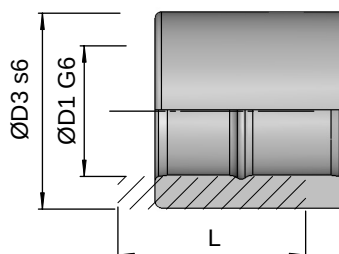
L1410



C 15

D1	L1	L2	L3	D3	D4	D6	D5	D8	L1410 / Ø D1 x L1	Nr. / No.
Ø 25 g6	*) 35 55 79	23	12 32 56	40	40	48	60	46	L1410 / Ø 25 x 35 L1410 / Ø 25 x 55 L1410 / Ø 25 x 79	L2010 / KK
Ø 32 g6	*) 42 69 93	30	12 39 63	48	48	56	67	53	L1410 / Ø 32 x 42 L1410 / Ø 32 x 69 L1410 / Ø 32 x 93	
Ø 40 g6	*) 52 79 108	37	15 42 71	58	58	66	77	63	L1410 / Ø 40 x 52 L1410 / Ø 40 x 79 L1410 / Ø 40 x 108	
Ø 50 g6	65 96 127	47	18 49 80	70	70	80	91	77	L1410 / Ø 50 x 65 L1410 / Ø 50 x 96 L1410 / Ø 50 x 127	
Ø 63 g6	80 116 150	60	20 56 90	85	85	95	106	92	L1410 / Ø 63 x 80 L1410 / Ø 63 x 116 L1410 / Ø 63 x 150	

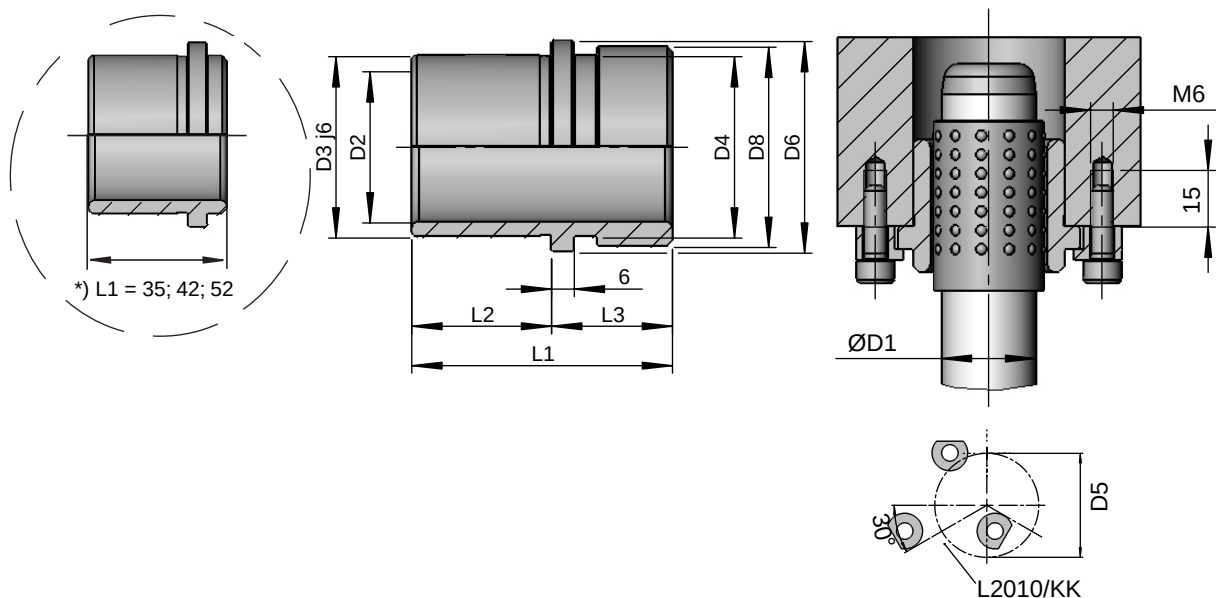
L1420



C 15

D1	D3	L								L1420 / Ø D1 x L
		23	30	37	47	60	77	95	120	
25	40									L1420 / Ø 25 x L
32	48									L1420 / Ø 32 x L
40	58									L1420 / Ø 40 x L
50	70									L1420 / Ø 50 x L
63	85									L1420 / Ø 63 x L

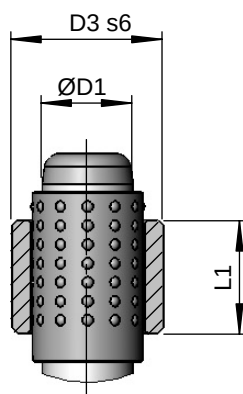
L1610



C 15

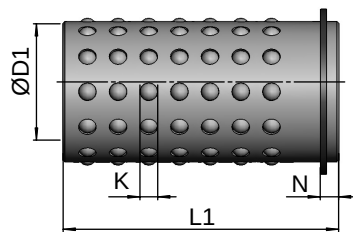
D1	L1	L2	L3	D2	D3	D4	D6	D5	D8	L1610 / Ø D1 x L1	Nr. / No.
Ø 25 g6	*) 35 55 79	23	12 32 56	31	40	40	48	60	46	L1610 / Ø 25 x 35 L1610 / Ø 25 x 55 L1610 / Ø 25 x 79	L2010 / KK
Ø 32 g6	*) 42 69 93	30	12 39 63	40	48	48	56	67	53	L1610 / Ø 32 x 42 L1610 / Ø 32 x 69 L1610 / Ø 32 x 93	
Ø 40 g6	*) 52 79 108	37	15 42 71	48	58	58	66	77	63	L1610 / Ø 40 x 52 L1610 / Ø 40 x 79 L1610 / Ø 40 x 108	
Ø 50 g6	65 96 127	47	18 49 80	58	70	70	80	91	77	L1610 / Ø 50 x 65 L1610 / Ø 50 x 96 L1610 / Ø 50 x 127	
Ø 63 g6	80 116 150	60	20 56 90	71	85	85	95	106	92	L1610 / Ø 63 x 80 L1610 / Ø 63 x 116 L1610 / Ø 63 x 150	

L1620

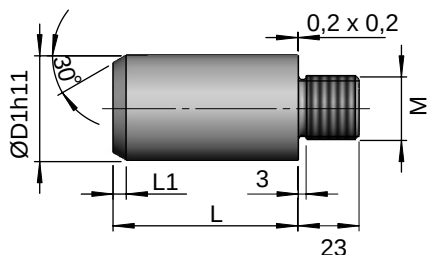


C 15

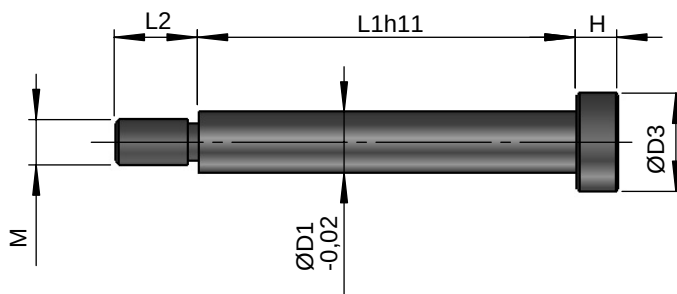
D1	D3	L								L1620 / Ø D1 x L
		23	30	37	47	60	77	95	120	
25	40									L1620 / Ø 25 x L
32	48									L1620 / Ø 32 x L
40	58									L1620 / Ø 40 x L
50	70									L1620 / Ø 50 x L
63	85									L1620 / Ø 63 x L

L1810


D1	K	N	L1																L1810 / Ø D1 x L
			31	40	45	50	56	63	71	80	95	105	120	140	160	180	200	240	
25	3	3,80																	L1810 / Ø 25 x L
32	4	5,35																	L1810 / Ø 32 x L
40	4	5,35																	L1810 / Ø 40 x L
50	4	5,65																	L1810 / Ø 50 x L
63	4	6,15																	L1810 / Ø 63 x L

L2030


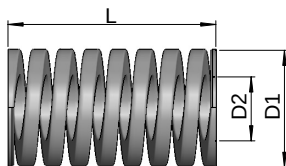
D1	L1	L2	Nr. / No.
20	40	18	L2030 / Ø 20 / M16 x 1,5
25	45	23	L2030 / Ø 25 / M16 x 1,5
25	45	23	L2030 / Ø 25 / M20 x 1,5
32	56	23	L2030 / Ø 32 / M20 x 1,5
32	56	23	L2030 / Ø 32 / M24 x 1,5
40	70	23	L2030 / Ø 40 / M24 x 1,5
40	70	23	L2030 / Ø 40 / M27 x 2,0
40	70	23	L2030 / Ø 40 / M30 x 2,0
50	80	28	L2030 / Ø 50 / M30 x 2,0

L2210


D1	M	L2	H	D3	L1												Nr. / No.
					12	16	20	25	30	40	50	60	70	80	90	100	
8	M6	11	5,5	13													L2210 / Ø 8 x L
10	M8	13	7,0	16													L2210 / Ø 10 x L
12	M10	16	8,0	18													L2210 / Ø 12 x L
16	M12	18	10,0	24													L2210 / Ø 16 x L
20	M16	22	14,0	30													L2210 / Ø 20 x L
24	M20	27	16,0	36													L2210 / Ø 24 x L

L2211

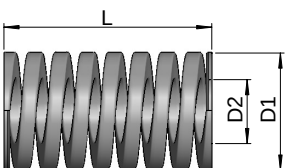
D1	M	H	D3	L1													Nr. / No.
				25	30	35	40	45	50	55	60	70	80	90	100	120	
6	M6	10	10														L2211 / Ø 6 x L
8	M8	13	12,5														L2211 / Ø 8 x L
10	M10	15	15														L2211 / Ø 10 x L
12	M12	18	17,5														L2211 / Ø 12 x L
16	M16	24	23														L2211 / Ø 16 x L

L2410
 GREEN


INFO

L18

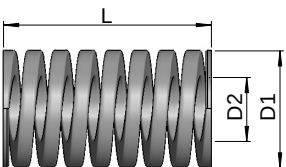
D1	D2	L																	L2410 / Ø D1 x L
		25	32	38	44	51	64	76	89	102	115	127	139	152	178	203	254	305	
10	5																		L2410 / Ø 10 x L
12,5	6,3																		L2410 / Ø 12,5 x L
16	8																		L2410 / Ø 16 x L
20	10																		L2410 / Ø 20 x L
25	12,5																		L2410 / Ø 25 x L
32	16																		L2410 / Ø 32 x L
40	20																		L2410 / Ø 40 x L
50	25																		L2410 / Ø 50 x L
63	38																		L2410 / Ø 63 x L

L2420
 BLUE


INFO

L19

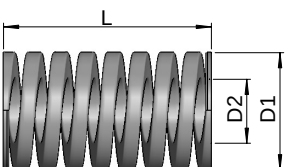
D1	D2	L																	L2420 / Ø D1 x L
		25	32	38	44	51	64	76	89	102	115	127	139	152	178	203	254	305	
10	5																		L2410 / Ø 10 x L
12,5	6,3																		L2410 / Ø 12,5 x L
16	8																		L2410 / Ø 16 x L
20	10																		L2410 / Ø 20 x L
25	12,5																		L2410 / Ø 25 x L
32	16																		L2410 / Ø 32 x L
40	20																		L2410 / Ø 40 x L
50	25																		L2410 / Ø 50 x L
63	38																		L2410 / Ø 63 x L

L2430
 RED


INFO

L20

D1	D2	L																	L2430 / Ø D1 x L
		25	32	38	44	51	64	76	89	102	115	127	139	152	178	203	254	305	
10	5																		L2430 / Ø 10 x L
12,5	6,3																		L2430 / Ø 12,5 x L
16	8																		L2430 / Ø 16 x L
20	10																		L2430 / Ø 20 x L
25	12,5																		L2430 / Ø 25 x L
32	16																		L2430 / Ø 32 x L
40	20																		L2430 / Ø 40 x L
50	25																		L2430 / Ø 50 x L

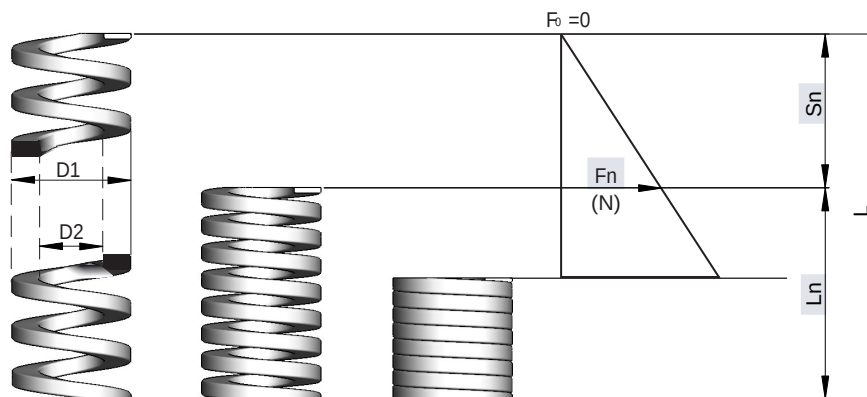
L2440
 YELLOW


INFO

L21

D1	D2	L																	L2440 / Ø D1 x L
		25	32	38	44	51	64	76	89	102	115	127	139	152	178	203	254	305	
10	5																		L2440 / Ø 10 x L
12,5	6,3																		L2440 / Ø 12,5 x L
16	8																		L2440 / Ø 16 x L
20	10																		L2440 / Ø 20 x L
25	12,5																		L2440 / Ø 25 x L
32	16																		L2440 / Ø 32 x L
40	20																		L2440 / Ø 40 x L
50	25																		L2440 / Ø 50 x L

GREEN
DIN / ISO Standard 10243

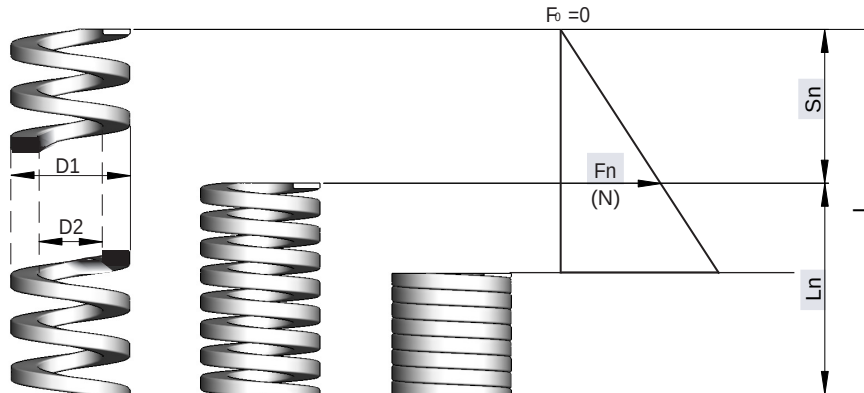


	L	ØD1								
		10	12,5	16	20	25	32	40	50	63
Fn	25	130,0	234,0	305,5	725,4	1300,0				
	32	136,0	278,8	368,0	720,0	1284,8				
	38	136,0	272,0	386,0	634,6	1178,0	1787,9			
	44	138,0	278,3	393,3	690,0	1219,0	1751,2			
	51	135,0	307,8	423,9	637,0	1102,5	1675,0	2300,0		
	64	146,2	325,5	363,8	640,0	1091,2	1696,0	2339,2	4992,0	
	76	128,0	291,1	410,0	640,0	1095,9	1719,9	2397,8	4875,0	7185,8
	89		264,6	421,4	644,0	1104,0	1674,0	2295,0	4905,0	6956,4
	102			442,4	636,0	1097,2	1664,0	2198,1	4893,2	6550,0
	115				654,0	1103,3	1682,0	2296,8	4698,0	6612,0
	127				636,5	1102,2	1625,0	2405,0	4615,0	
	139				613,2	1132,2	1663,2	2272,0	4788,0	6598,4
	152				615,6	1120,0	1677,0	2191,8	4680,0	6414,4
	178					1171,8	1610,4	2318,4	4784,0	6363,5
	203					1112,8	1643,2	2383,5	4586,4	6293,4
	254						1638,0	2227,0	4550,0	6016,0
	305	179,3	232,4	442,0	648,0	1120,0	1596,5	2323,6	4461,6	5821,6

	L	ØD1								
		10	12,5	16	20	25	32	40	50	63
Ln	25	12,0	12,0	12,0	12,0	12,0				
	32	16,0	15,0	16,0	16,0	16,0				
	38	18,0	18,0	18,0	19,0	19,0	19,0			
	44	21,0	21,0	21,0	21,0	21,0	22,0			
	51	24,0	24,0	24,0	25,0	26,0	26,0	26,0		
	64	30,0	29,0	30,0	32,0	33,0	32,0	32,0	32,0	
	76	36,0	35,0	35,0	36,0	37,0	37,0	38,0	37,0	38,0
	89		40,0	40,0	43,0	43,0	44,0	44,0	44,0	45,0
	102			46,0	49,0	50,0	50,0	51,0	50,0	52,0
	115				55,0	56,0	57,0	57,0	57,0	58,0
	127				60,0	61,0	62,0	62,0	62,0	
	139				66,0	65,0	67,0	68,0	67,0	63,0
	152				71,0	72,0	74,0	74,0	74,0	76,0
	178					85,0	90,0	86,0	86,0	89,0
	203					96,0	99,0	98,0	99,0	101,0
	254						124,0	123,0	124,0	126,0
	305	142,0	139,0	135,0	143,0	145,0	150,0	148,0	149,0	153,0

	L	ØD1								
		10	12,5	16	20	25	32	40	50	63
Sn	25	13,0	13,0	13,0	13,0	13,0				
	32	16,0	17,0	16,0	16,0	16,0				
	38	20,0	20,0	20,0	19,0	19,0	19,0			
	44	23,0	23,0	23,0	23,0	23,0	22,0			
	51	27,0	27,0	27,0	26,0	25,0	25,0	25,0		
	64	34,0	35,0	34,0	32,0	31,0	32,0	32,0	32,0	
	76	40,0	41,0	41,0	40,0	39,0	39,0	38,0	39,0	38,0
	89		49,0	49,0	46,0	46,0	45,0	45,0	45,0	44,0
	102			56,0	53,0	52,0	52,0	51,0	52,0	50,0
	115				60,0	59,0	58,0	58,0	58,0	57,0
	127				67,0	66,0	65,0	65,0	65,0	
	139				73,0	74,0	72,0	71,0	72,0	64,0
	152				81,0	80,0	78,0	78,0	78,0	76,0
	178					93,0	88,0	92,0	92,0	89,0
	203					107,0	104,0	105,0	104,0	102,0
	254						130,0	131,0	130,0	128,0
	305	163,0	166,0	170,0	162,0	160,0	155,0	157,0	156,0	152,0

BLUE
DIN / ISO Standard 10243

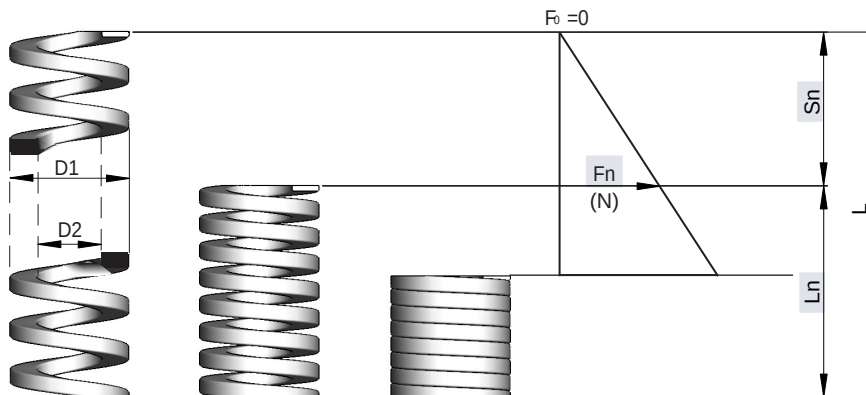


	L	ØD1								
		10	12,5	16	20	25	32	40	50	63
Fn	25	176,0	330,0	543,4	1079,1	1617,0				
	32	170,3	322,4	482,3	945,1	1535,3				
	38	190,4	342,4	542,4	896,0	1489,6	2961,6			
	44	195,7	351,5	570,0	904,4	1535,2	3003,9			
	51	186,9	341,0	554,4	875,7	1442,7	2816,1	3759,0		
	64	205,2	338,8	545,4	872,1	1433,7	2675,7	3640,0	5645,7	
	76	174,9	346,8	590,7	828,3	1428,9	2576,0	3459,2	5379,2	9987,2
	89		344,4	592,8	858,0	1493,7	2560,4	3355,9	5180,0	9883,8
	102			607,5	871,2	1456,4	2532,7	3483,0	5117,0	9728,4
	115				891,8	1405,0	2523,5	3446,4	5194,0	9350,0
	127				913,0	1450,4	2464,0	3391,2	5238,0	9413,6
	139				921,1	1467,9	2538,0	3398,4	5133,0	
	152				871,2	1393,6	2501,4	3354,0	5286,6	9112,0
	178					1414,1	2510,2	3359,2	5359,2	8892,0
	203					1422,0	2543,2	3192,9	5262,4	9000,0
	254						2354,0	3311,0	5148,0	9027,5
	305	217,6	302,4	662,4	829,6	1377,0	2433,9	3222,6	5185,8	8942,2

	L	ØD1								
		10	12,5	16	20	25	32	40	50	63
Ln	25	14,0	14,0	14,0	14,0	14,0				
	32	19,0	19,0	19,0	19,0	19,0				
	38	22,0	22,0	22,0	22,0	22,0	22,0			
	44	25,0	25,0	25,0	25,0	25,0	25,0			
	51	30,0	29,0	30,0	30,0	30,0	30,0	30,0		
	64	37,0	36,0	37,0	37,0	37,0	37,0	38,0	37,0	
	76	43,0	42,0	43,0	43,0	43,0	44,0	44,0	44,0	44,0
	89		48,0	50,0	50,0	50,0	52,0	52,0	52,0	51,0
	102			57,0	58,0	58,0	59,0	59,0	59,0	58,0
	115				66,0	65,0	66,0	67,0	66,0	65,0
	127				72,0	71,0	72,0	73,0	73,0	71,0
	139				78,0	76,0	79,0	80,0	80,0	
	152				86,0	85,0	86,0	87,0	86,0	85,0
	178					99,0	101,0	102,0	101,0	100,0
	203					113,0	115,0	116,0	115,0	113,0
	254						144,0	144,0	137,0	139,0
	305	169,0	161,0	167,0	169,0	170,0	172,0	174,0	171,0	167,0

	L	ØD1								
		10	12,5	16	20	25	32	40	50	63
Sn	25	11,0	11,0	11,0	11,0	11,0				
	32	13,0	13,0	13,0	13,0	13,0				
	38	16,0	16,0	16,0	16,0	16,0	16,0			
	44	19,0	19,0	19,0	19,0	19,0	19,0			
	51	21,0	22,0	21,0	21,0	21,0	21,0	21,0		
	64	27,0	28,0	27,0	27,0	27,0	27,0	26,0	27,0	
	76	33,0	34,0	33,0	33,0	33,0	32,0	32,0	32,0	32,0
	89		41,0	39,0	39,0	39,0	37,0	37,0	37,0	38,0
	102			45,0	44,0	44,0	43,0	43,0	43,0	44,0
	115				49,0	50,0	49,0	48,0	49,0	50,0
	127				55,0	56,0	55,0	54,0	54,0	56,0
	139				61,0	63,0	60,0	59,0	59,0	
	152				66,0	67,0	66,0	65,0	66,0	67,0
	178					79,0	77,0	76,0	77,0	78,0
	203					90,0	88,0	87,0	88,0	90,0
	254						110,0	110,0	117,0	115,0
	305	136,0	144,0	138,0	136,0	135,0	133,0	131,0	134,0	138,0

RED
DIN / ISO Standard 10243

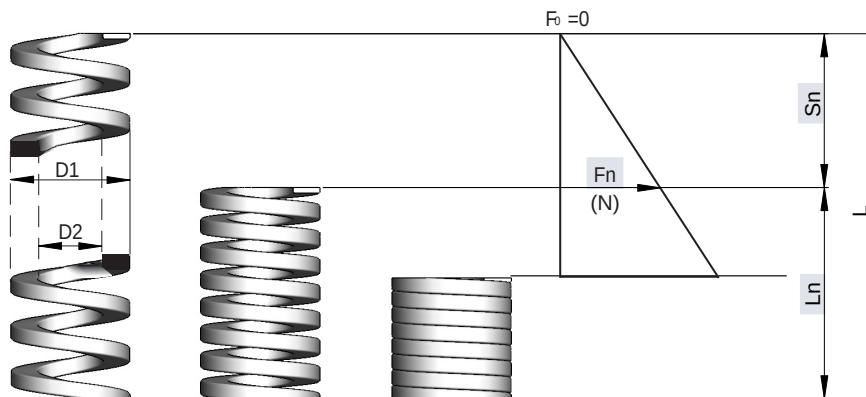


Fn	L	ØD1								
		10	12,5	16	20	25	32	40	50	
	25	201,1	367,1	656,9	1812,7	3381,3				
	32	207,1	367,4	583,0	1761,9	3120,6				
	38	233,8	369,9	672,7	1667,5	2844,4	4662,0			
	44	249,9	392,0	678,2	1621,1	2904,7	4545,8			
	51	243,2	372,4	690,1	1554,3	2808,8	4483,1	5953,4		
	64	270,0	352,8	714,4	1524,6	2781,0	4555,9	5913,6	8879,5	
	76	226,2	397,3	739,5	1554,8	2725,3	4464,2	5907,6	8824,4	
	89		389,4	745,2	1530,0	2743,0	4309,7	6089,6	8796,2	
	102			784,0	1543,5	2760,0	4316,8	6023,6	8585,5	
	115				1532,0	2762,7	4329,5	5972,4	8592,0	
	127				1509,2	2721,3	4194,0	6039,5	8653,5	
	139				1538,6	2756,0	4315,0	5969,6	8535,0	
	152				1505,2	2765,8	4239,0	6037,5	8316,0	
	178					2801,6	4265,1	5983,1	8601,6	
	203					2795,1	4240,8	5890,0	8460,8	
	254						4241,2	5897,6	8215,6	
	305	240,0	348,0	841,8	1587,6	2599,0	4213,0	5916,0	8243,2	

Ln	L	ØD1								
		10	12,5	16	20	25	32	40	50	
	25	16,1	16,3	16,3	16,5	16,0				
	32	20,3	21,0	21,0	21,5	21,5				
	38	24,0	24,5	24,3	25,5	25,0	26,0			
	44	27,0	28,0	28,3	29,5	28,5	30,0			
	51	32,0	32,0	32,5	34,5	33,0	34,5	34,0		
	64	39,0	40,0	40,5	43,0	41,5	42,5	42,0	42,5	
	76	47,0	47,0	47,0	50,0	48,5	50,0	49,0	50,0	
	89		56,0	54,5	59,0	56,5	58,5	57,0	58,5	
	102			62,0	67,0	64,5	66,5	65,0	67,0	
	115				75,0	72,3	74,5	73,0	75,0	
	127				83,0	80,0	82,0	80,0	82,0	
	139				90,0	87,0	89,0	87,0	89,0	
	152				99,0	94,5	98,0	94,5	98,0	
	178					110,0	115,0	111,0	114,0	
	203					126,0	131,0	127,0	130,5	
	254						162,0	157,0	162,0	
	305	185,0	185,0	183,0	197,0	190,0	195	189,0	193,0	

Sn	L	ØD1								
		10	12,5	16	20	25	32	40	50	
	25	8,9	8,7	8,7	8,4	9,0				
	32	11,7	11,0	11,0	10,5	10,5				
	38	14,0	13,5	13,7	12,5	13,0	12,0			
	44	17,0	16,0	15,7	14,5	15,5	14,0			
	51	19,0	19,0	18,5	16,5	18,0	16,5	17,0		
	64	25,0	24,0	23,5	21,0	22,5	21,5	22,0	21,5	
	76	29,0	29,0	29,0	26,0	27,5	26,0	27,0	26,0	
	89		33,0	34,5	30,0	32,5	30,5	32,0	30,5	
	102			40,0	35,0	37,5	35,5	37,0	35,0	
	115				40,0	42,7	40,5	42,0	40,0	
	127				44,0	47,0	45,0	47,0	45,0	
	139				49,0	52,0	50,0	52,0	50,0	
	152				53,0	57,5	54,0	57,5	54,0	
	178					68,0	63,0	67,0	64,0	
	203					77,0	72,0	76,0	72,5	
	254						92,0	97,0	92,0	
	305	120,0	120,0	122,0	108,0	115,0	110,0	116,0	112,0	

YELLOW
 DIN / ISO Standard 10243

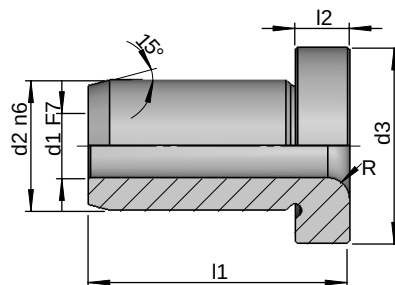


	L	Ø D1								
		10	12,5	16	20	25	32	40	50	
Fn	25	240,4	514,6	1062,0	2256,1					
	32	204,1	500,9	962,3	2195,2	3750,0				
	38	250,3	417,4	937,3	2124,0	4152,0	5819,0			
	44	232,1	413,6	913,5	2086,0	3416,0	5525,0			
	51	226,7	480,7	941,4	2048,0	3328,0	5295,0	9420,0		
	64	261,1	489,9	906,4	2081,1	3381,0	5380,0	9272,0	13471,0	
	76	250,9	529,2	903,7	2165,0	3275,0	5256,0	9096,0	13156,0	
	89			929,3	2088,0	3219,0	5220,0	8988,0	12825,0	
	102			934,4	2060,4	3274,2	5115,0	9273,0	12555,0	
	115				2017,8	3342,3	5040,0	9065,0	12320,0	
	127				2046,8	3280,9	5084,0	9061,0	12324,0	
	139				2025,7					
	152				1989,0	3370,8	5100,0	8400,0	11233,0	
	178					3348,0	5209,7			
	203					3290,0	5168,0	8844,0	13838,0	
	254						5168,0	9095,0	12240,0	
	305	254,8	438,9	924,0	2226,0	3337,2	5057,3	8965,8	12319,0	

	L	Ø D1								
		10	12,5	16	20	25	32	40	50	
Ln	25	18,0	16,4	16,0	17,3					
	32	24,0	20,9	21,2	22,2	22,0				
	38	26,4	26,5	25,0	26,0	26,0	27,0			
	44	31,0	30,4	29,0	30,0	30,0	31,0			
	51	36,0	33,5	33,0	35,0	35,0	36,0	36,0		
	64	42,7	41,8	42,0	43,0	43,0	44,0	45,0	45,0	
	76	51,4	47,0	49,5	51,0	51,0	52,0	52,0	53,0	
	89			57,5	59,0	60,0	60,0	61,0	62,0	
	102			65,5	68,0	68,0	69,0	69,0	71,0	
	115				77,0	76,0	79,0	78,0	80,0	
	127				84,0	84,0	86,0	86,0	88,0	
	139				92,0					
	152				101,0	99,0	102,0	102,0	105,0	
	178					116,0	119,0			
	203					133,0	135,0	136,0	129,0	
	254						169,0	169,0	174,0	
	305	201,0	201,0	195,0	200,0	197,0	202,0	203,0	208,0	

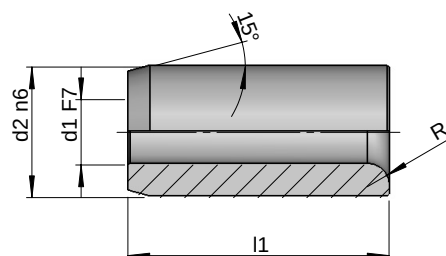
	L	Ø D1								
		10	12,5	16	20	25	32	40	50	
Sn	25	7,0	8,6	9,0	7,7					
	32	8,0	11,1	10,8	9,8	10,0				
	38	11,6	11,5	13,0	12,0	12,0	11,0			
	44	13,0	13,6	15,0	14,0	14,0	13,0			
	51	15,0	17,5	18,0	16,0	16,0	15,0	15,0		
	64	21,3	22,2	22,0	21,0	21,0	20,0	19,0	19,0	
	76	24,6	29,0	26,5	25,0	25,0	24,0	24,0	23,0	
	89			31,5	30,0	29,0	29,0	28,0	27,0	
	102			36,5	34,0	34,0	33,0	33,0	31,0	
	115				38,0	39,0	36,0	37,0	35,0	
	127				43,0	43,0	41,0	41,0	39,0	
	139				47,0					
	152				51,0	53,0	50,0	50,0	47,0	
	178					62,0	59,0			
	203					70,0	68,0	67,0	74,0	
	254						85,0	85,0	80,0	
	305	104,0	104,0	110,0	105,0	108,0	103,0	102,0	97,0	

ISO 4247A
 DIN 172A

L2610


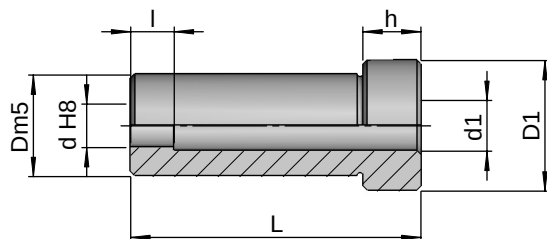
d1 > ≤		l1			d2	d3	l2	r	tr	tp	Nr. / No.	
Ø 0,4 ... 0,8	0,1	6	-	-	3	6	2	1	0,01	0,03	L2610 / Ø d1 x l1	
Ø 0,8 ... 1,0		6	9	-	3	6					L2610 / Ø d1 x l1	
Ø 1,0 ... 1,8					4	7					L2610 / Ø d1 x l1	
Ø 1,8 ... 2,6					5	8					L2610 / Ø d1 x l1	
Ø 2,6 ... 3,3		8	12	16	6	9	2,5	1			L2610 / Ø d1 x l1	
Ø 3,3 ... 4,0					7	10					L2610 / Ø d1 x l1	
Ø 4,0 ... 5,0					8	11					L2610 / Ø d1 x l1	
Ø 5,0 ... 6,0		10	16	20	10	13	3	1,5	0,02		L2610 / Ø d1 x l1	
Ø 6,0 ... 8,0					12	15					L2610 / Ø d1 x l1	
Ø 8,0 ... 10,0					15	18					3	2
Ø 10,0 ... 12,0	12	20	25	18	22	4	2	L2610 / Ø d1 x l1				
Ø 12,0 ... 15,0				22	26			L2610 / Ø d1 x l1				
Ø 15,0 ... 18,0				26	30			L2610 / Ø d1 x l1				
Ø 18,0 ... 22,0	16	28	36	30	34	5	3	0,05	L2610 / Ø d1 x l1			
Ø 22,0 ... 26,0				35	39				L2610 / Ø d1 x l1			
Ø 26,0 ... 30,0				42	46				L2610 / Ø d1 x l1			
Ø 30,0 ... 35,0	25	45	56	48	52	5	3		0,04	L2610 / Ø d1 x l1		
Ø 35,0 ... 42,0				55	59					5	3,5	L2610 / Ø d1 x l1
Ø 42,0 ... 48,0				30	56					67	62	66
Ø 48,0 ... 55,0	70	74	L2610 / Ø d1 x l1									
Ø 55,0 ... 63,0	78	82	6					4			L2610 / Ø d1 x l1	
	35	67	78	78	82	6	4				L2610 / Ø d1 x l1	

 ISO 4247A
 DIN 179A

L2620


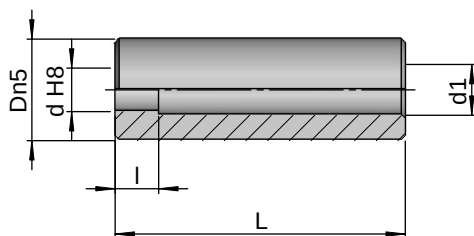
d1 > ≤		l1			d2	r	tr	Nr. / No.	
Ø 0,4 ... 0,8	0,1	6	-	-	3	1	0,01	L2620 / Ø d1 x l1	
Ø 0,8 ... 1,0		6	9	-	3			L2620 / Ø d1 x l1	
Ø 1,0 ... 1,8					4			L2620 / Ø d1 x l1	
Ø 1,8 ... 2,6					5			L2620 / Ø d1 x l1	
Ø 2,6 ... 3,3		8	12	16	6			L2620 / Ø d1 x l1	
Ø 3,3 ... 4,0					7			L2620 / Ø d1 x l1	
Ø 4,0 ... 5,0					8			L2620 / Ø d1 x l1	
Ø 5,0 ... 6,0		10	16	20	10	1,5	0,02	L2620 / Ø d1 x l1	
Ø 6,0 ... 8,0					12			L2620 / Ø d1 x l1	
Ø 8,0 ... 10,0					15			L2620 / Ø d1 x l1	
Ø 10,0 ... 12,0	0,5	12	20	25	18	2		L2620 / Ø d1 x l1	
Ø 12,0 ... 15,0					22			L2620 / Ø d1 x l1	
Ø 15,0 ... 18,0					26			L2620 / Ø d1 x l1	
Ø 18,0 ... 22,0		16	28	36	30	3		L2620 / Ø d1 x l1	
Ø 22,0 ... 26,0					35			L2620 / Ø d1 x l1	
Ø 26,0 ... 30,0					42			L2620 / Ø d1 x l1	
Ø 30,0 ... 35,0		25	45	56	48	3,5	0,04	L2620 / Ø d1 x l1	
Ø 35,0 ... 42,0					55			L2620 / Ø d1 x l1	
Ø 42,0 ... 48,0					62			L2620 / Ø d1 x l1	
Ø 48,0 ... 55,0		30	56	67	70	3,5		L2620 / Ø d1 x l1	
Ø 55,0 ... 63,0					78			L2620 / Ø d1 x l1	

L2810

 ISO 8977 B
 HSS


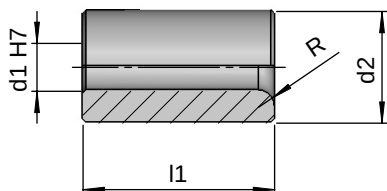
d		D	D1	d1 Max	l	h	L				Nr. / No.				
Ø 1,0 ... 2,4	0,1	5	8	2,8	2	5	16	20	25	-	L2810 / Ø d / D x L				
Ø 1,6 ... 3,0		6	9	3,5	3					L2810 / Ø d / D x L					
Ø 2,0 ... 3,5		8	11	4,0	4					L2810 / Ø d / D x L					
Ø 3,0 ... 5,0		10	13	5,8	5		-			L2810 / Ø d / D x L					
Ø 4,0 ... 7,2		13	16	8,0						L2810 / Ø d / D x L					
Ø 6,0 ... 8,8		16	19	9,5						L2810 / Ø d / D x L					
Ø 7,5 ... 11,3		20	24	12,0						L2810 / Ø d / D x L					
Ø 11,0 ... 16,6		25	29	17,3	8						L2810 / Ø d / D x L				
Ø 15,0 ... 20,0	0,5	32	36	20,7							L2810 / Ø d / D x L				
		40	44	27,7							L2810 / Ø d / D x L				
		50	54	37,0							L2810 / Ø d / D x L				

L2820

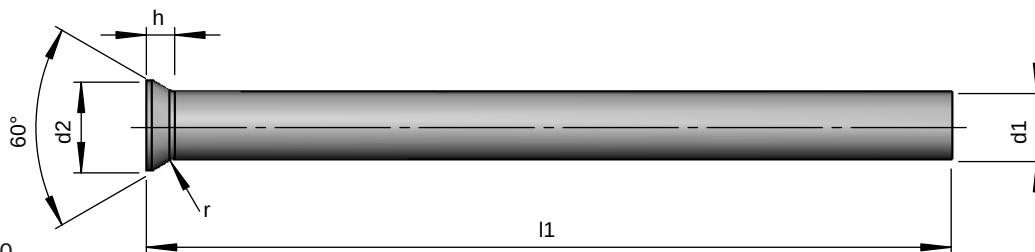
 ISO 8977 A
 HSS


d		D	d1 Max	l	L				Nr. / No.			
Ø 1,0 ... 2,4	0,1	5	2,8	2	16	20	25	-	L2820 / Ø d / D x L			
Ø 1,6 ... 3,0		6	3,5	3				L2820 / Ø d / D x L				
Ø 2,0 ... 3,5		8	4,0	4				L2820 / Ø d / D x L				
Ø 3,0 ... 5,0		10	5,8	5	-		32	L2820 / Ø d / D x L				
Ø 4,0 ... 7,2		13	8,0					L2820 / Ø d / D x L				
Ø 6,0 ... 8,8		16	9,5					L2820 / Ø d / D x L				
Ø 7,5 ... 11,3		20	12,0					L2820 / Ø d / D x L				
Ø 11,0 ... 16,6		25	17,3	8					L2820 / Ø d / D x L			
Ø 15,0 ... 20,0	0,5	32	20,7						L2820 / Ø d / D x L			
Ø 18,0 ... 27,0		40	27,7						L2820 / Ø d / D x L			
Ø 26,0 ... 36,0		50	37,0						L2820 / Ø d / D x L			

L3010

 ISO 8978
 HWS


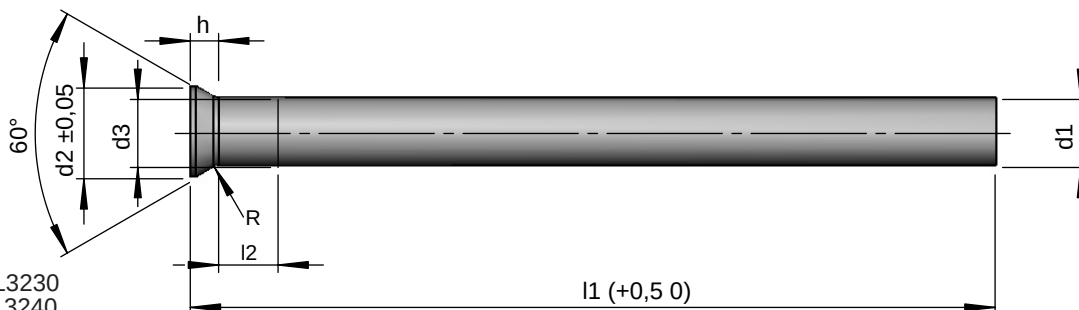
d1		d2	l1	r	Nr. / No.
Ø 1,0 ... 2,4	0,1	5	8,0	1,0	L3010 / Ø d / D x l1
Ø 1,6 ... 3,0		6	12,5	1,0	L3010 / Ø d / D x l1
Ø 2,0 ... 3,5		8	12,5	1,5	L3010 / Ø d / D x l1
Ø 3,0 ... 5,0		10	16,0	2,0	L3010 / Ø d / D x l1
Ø 4,0 ... 7,2		13	16,0	2,0	L3010 / Ø d / D x l1
Ø 6,0 ... 8,8		16	20,0	2,0	L3010 / Ø d / D x l1
Ø 7,5 ... 11,3		20	20,0	2,5	L3010 / Ø d / D x l1
Ø 11,0 ... 16,6		25	25,0	2,5	L3010 / Ø d / D x l1
Ø 15,0 ... 20,0	0,5	32	25,0	4,0	L3010 / Ø d / D x l1
Ø 18,0 ... 27,0		40	32,0	4,0	L3010 / Ø d / D x l1
Ø 26,0 ... 36,0		50	40,0	4,0	L3010 / Ø d / D x l1

DIN 9861 D
 ISO 6752

 mat. = HWS = L3210
 mat. = HSS = L3220

d2	h	r	d1	l1			Nr. / No.
0,9	0,55	0,2	0,50	71	80	-	mat. / Ø d1 x l1
1,0	0,59		0,55				mat. / Ø d1 x l1
1,1	0,63		0,60				mat. / Ø d1 x l1
1,2	0,68		0,65				mat. / Ø d1 x l1
1,3	0,72	+0,2	0,70				mat. / Ø d1 x l1
	0,68	0	0,75				mat. / Ø d1 x l1
1,4	0,92		0,80				mat. / Ø d1 x l1
	0,88		0,85				mat. / Ø d1 x l1
1,6	1,01		0,90				mat. / Ø d1 x l1
	0,96		0,95				mat. / Ø d1 x l1
1,8	1,19	0,4	1,0				mat. / Ø d1 x l1
	1,11		1,1				mat. / Ø d1 x l1
2,0	1,19		1,2				mat. / Ø d1 x l1
	1,11		1,3				mat. / Ø d1 x l1
2,2	1,19	+0,3	1,4				mat. / Ø d1 x l1
	1,11	0	1,5				mat. / Ø d1 x l1
2,5	1,28		1,6				mat. / Ø d1 x l1
	1,19		1,7				mat. / Ø d1 x l1
2,8	1,37		1,8				mat. / Ø d1 x l1
	1,28		1,9				mat. / Ø d1 x l1
3,0	1,37		2,0	71	81	100	mat. / Ø d1 x l1
3,2	1,45		2,1				mat. / Ø d1 x l1
	1,37		2,2				mat. / Ø d1 x l1
3,5	1,54		2,3				mat. / Ø d1 x l1
	1,45		2,4				mat. / Ø d1 x l1
	1,37		2,5				mat. / Ø d1 x l1
4,0	1,71		2,6				mat. / Ø d1 x l1
	1,63		2,7				mat. / Ø d1 x l1
	1,54		2,8				mat. / Ø d1 x l1
	1,45		2,9				mat. / Ø d1 x l1
4,5	1,80	0,6	3,0				mat. / Ø d1 x l1
	1,71		3,1				mat. / Ø d1 x l1
	1,63		3,2				mat. / Ø d1 x l1
	1,54		3,3				mat. / Ø d1 x l1
	1,45	+0,4	3,4				mat. / Ø d1 x l1
5,0	1,80	0	3,5				mat. / Ø d1 x l1
	1,71		3,6				mat. / Ø d1 x l1
	1,63		3,7				mat. / Ø d1 x l1
	1,54		3,8				mat. / Ø d1 x l1
	1,45		3,9				mat. / Ø d1 x l1
5,5	1,80		4,0				mat. / Ø d1 x l1
	1,71		4,1				mat. / Ø d1 x l1
	1,63		4,2				mat. / Ø d1 x l1
	1,54		4,3				mat. / Ø d1 x l1
	1,45		4,4				mat. / Ø d1 x l1
6,0	1,80		4,5				mat. / Ø d1 x l1
	1,71		4,6				mat. / Ø d1 x l1
	1,63		4,7				mat. / Ø d1 x l1
	1,54		4,8				mat. / Ø d1 x l1
	1,45		4,9				mat. / Ø d1 x l1
6,5	1,80		5,0				mat. / Ø d1 x l1
	1,71		5,1				mat. / Ø d1 x l1
	1,63		5,2				mat. / Ø d1 x l1
	1,54		5,3				mat. / Ø d1 x l1
	1,45		5,4				mat. / Ø d1 x l1
7,0	1,80		5,5				mat. / Ø d1 x l1
	1,71		5,6				mat. / Ø d1 x l1
	1,63		5,7				mat. / Ø d1 x l1
	1,54		5,8				mat. / Ø d1 x l1
	1,45		5,9				mat. / Ø d1 x l1

d2	h	r	d1	l1			Nr. / No.
8,0	2,23	1,0	6,0	71	80	100	mat. / Ø d1 x l1
	2,15		6,1				mat. / Ø d1 x l1
	2,06		6,2				mat. / Ø d1 x l1
	1,97		6,3				mat. / Ø d1 x l1
	1,89	+0,5	6,4				mat. / Ø d1 x l1
9,0	3,17	0	6,5				mat. / Ø d1 x l1
	2,73		7,0				mat. / Ø d1 x l1
10	3,17		7,5				mat. / Ø d1 x l1
	2,73		8,0				mat. / Ø d1 x l1
11	3,17		8,5				mat. / Ø d1 x l1
	2,73		9,0				mat. / Ø d1 x l1
12	3,17		9,5				mat. / Ø d1 x l1
	2,73		10,0				mat. / Ø d1 x l1
13	3,17		10,5				mat. / Ø d1 x l1
	2,73		11,0				mat. / Ø d1 x l1
14	3,17		11,5				mat. / Ø d1 x l1
	2,73		12,0				mat. / Ø d1 x l1
15	3,17		12,5				mat. / Ø d1 x l1
	2,73		13,0				mat. / Ø d1 x l1
16	3,67	1,5	13,5				mat. / Ø d1 x l1
	3,23		14,0				mat. / Ø d1 x l1
17	3,67		14,5				mat. / Ø d1 x l1
	3,23		15,0				mat. / Ø d1 x l1
18	3,67	+0,5	15,5				mat. / Ø d1 x l1
	3,23	0	16,0				mat. / Ø d1 x l1
19	3,67		16,5				mat. / Ø d1 x l1
	3,23		17,0				mat. / Ø d1 x l1
20	3,67		17,5				mat. / Ø d1 x l1
	3,23		18,0				mat. / Ø d1 x l1
21	3,67		18,5				mat. / Ø d1 x l1
	3,23		19,0				mat. / Ø d1 x l1
22	3,67		19,5				mat. / Ø d1 x l1
	3,23		20,0				mat. / Ø d1 x l1

DIN 9861 DA


 mat. = WS = L3230
 mat. = HWS = L3240
 mat. = HSS = L3250

 $l1 (+0,5 \ 0)$

d2	h	r	d1	l1			l2	d3	Nr. / No.	d2	h	r	d1	l1			l2	d3	Nr. / No.
0,9	0,55	0,2	0,50	71	80	-	5	d1	mat. / Ø d1 x l1	8,0	2,23	1,0	6,0	71	80	100	6	d1	mat. / Ø d1 x l1
1,0	0,59		0,55					+0,02	mat. / Ø d1 x l1		2,15		6,1				+0,03		mat. / Ø d1 x l1
1,1	0,63		0,60						mat. / Ø d1 x l1		2,06		6,2						mat. / Ø d1 x l1
1,2	0,68		0,65						mat. / Ø d1 x l1		1,97		6,3						mat. / Ø d1 x l1
1,3	0,72	+0,2	0,70						mat. / Ø d1 x l1		1,89	+0,5	6,4						mat. / Ø d1 x l1
	0,68	0	0,75						mat. / Ø d1 x l1	9,0	3,17	0	6,5				8	d1	mat. / Ø d1 x l1
1,4	0,92		0,80						mat. / Ø d1 x l1		2,73		7,0				+0,04		mat. / Ø d1 x l1
	0,88		0,85						mat. / Ø d1 x l1	10	3,17		7,5						mat. / Ø d1 x l1
1,6	1,01		0,90						mat. / Ø d1 x l1		2,73		8,0						mat. / Ø d1 x l1
	0,96		0,95						mat. / Ø d1 x l1	11	3,17		8,5						mat. / Ø d1 x l1
1,8	1,19	0,4	1,0				5	d1	mat. / Ø d1 x l1		2,73		9,0						mat. / Ø d1 x l1
	1,11		1,1					+0,03	mat. / Ø d1 x l1	12	3,17		9,5				10	d1	mat. / Ø d1 x l1
2,0	1,19		1,2						mat. / Ø d1 x l1		2,73		10,0				+0,04		mat. / Ø d1 x l1
	1,11		1,3						mat. / Ø d1 x l1	13	3,17		10,5						mat. / Ø d1 x l1
2,2	1,19	+0,3	1,4						mat. / Ø d1 x l1		2,73		11,0						mat. / Ø d1 x l1
	1,11	0	1,5						mat. / Ø d1 x l1	14	3,17		11,5						mat. / Ø d1 x l1
2,5	1,28		1,6						mat. / Ø d1 x l1		2,73		12,0						mat. / Ø d1 x l1
	1,19		1,7						mat. / Ø d1 x l1	15	3,17		12,5						mat. / Ø d1 x l1
2,8	1,37		1,8						mat. / Ø d1 x l1		2,73		13,0						mat. / Ø d1 x l1
	1,28		1,9						mat. / Ø d1 x l1	16	3,67	1,5	13,5				12	d1	mat. / Ø d1 x l1
3,0	1,37		2,0	71	81	100	5	d1	mat. / Ø d1 x l1		3,23		14,0				+0,04		mat. / Ø d1 x l1
	1,45		2,1					+0,03	mat. / Ø d1 x l1	17	3,67		14,5						mat. / Ø d1 x l1
3,2	1,37		2,2						mat. / Ø d1 x l1		3,23		15,0						mat. / Ø d1 x l1
	1,37		2,3						mat. / Ø d1 x l1	18	3,67	+0,5	15,5						mat. / Ø d1 x l1
3,5	1,54		2,4						mat. / Ø d1 x l1		3,23	0	16,0						mat. / Ø d1 x l1
	1,45		2,5						mat. / Ø d1 x l1										
4,0	1,71		2,6						mat. / Ø d1 x l1										
	1,63		2,7						mat. / Ø d1 x l1										
	1,54		2,8						mat. / Ø d1 x l1										
	1,45		2,9						mat. / Ø d1 x l1										
4,5	1,80	0,6	3,0						mat. / Ø d1 x l1										
	1,71		3,1						mat. / Ø d1 x l1										
	1,63		3,2						mat. / Ø d1 x l1										
	1,54		3,3						mat. / Ø d1 x l1										
	1,45	+0,4	3,4						mat. / Ø d1 x l1										
5,0	1,80	0	3,5						mat. / Ø d1 x l1										
	1,71		3,6						mat. / Ø d1 x l1										
	1,63		3,7						mat. / Ø d1 x l1										
	1,54		3,8						mat. / Ø d1 x l1										
	1,45		3,9						mat. / Ø d1 x l1										
5,5	1,80		1,0						mat. / Ø d1 x l1										
	1,71		4,1						mat. / Ø d1 x l1										
	1,63		4,2						mat. / Ø d1 x l1										
	1,54		4,3						mat. / Ø d1 x l1										
	1,45		4,4						mat. / Ø d1 x l1										
6,0	1,80		4,5						mat. / Ø d1 x l1										
	1,71		4,6						mat. / Ø d1 x l1										
	1,63		4,7						mat. / Ø d1 x l1										
	1,54		4,8						mat. / Ø d1 x l1										
	1,45		4,9						mat. / Ø d1 x l1										
6,5	1,80		5,0				6	d1	mat. / Ø d1 x l1										
	1,71		5,1					+0,03	mat. / Ø d1 x l1										
	1,63		5,2						mat. / Ø d1 x l1										
	1,54		5,3						mat. / Ø d1 x l1										
	1,45		5,4						mat. / Ø d1 x l1										
7,0	1,80		5,5						mat. / Ø d1 x l1										
	1,71		5,6						mat. / Ø d1 x l1										
	1,63		5,7						mat. / Ø d1 x l1										
	1,54		5,8						mat. / Ø d1 x l1										
	1,45		5,9						mat. / Ø d1 x l1										

