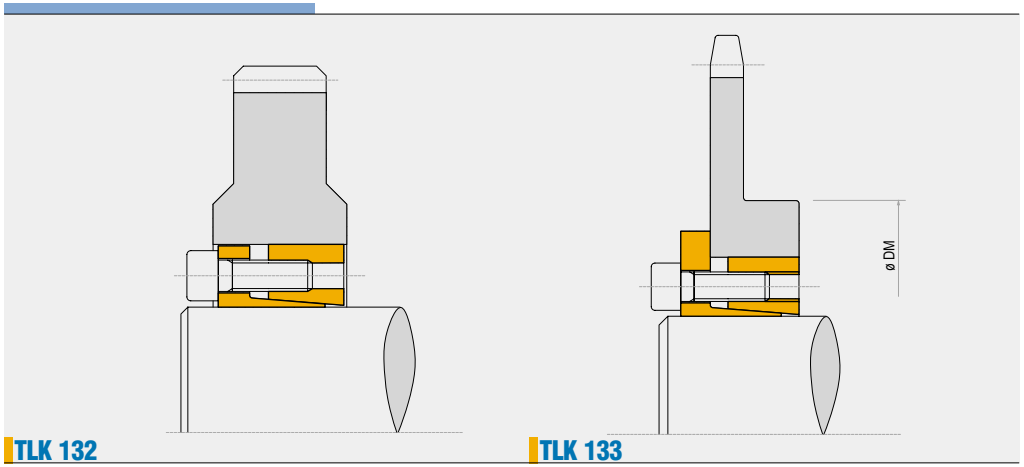
Locking assemblies self-centering
TLK 132 • TLK 133



TLK 132 TLK 133

Characteristics

Medium-high torque
Application economically advantageous
Limited installation time
Interchangeable with TLK 200

Installation

Carefully clean the hub and shaft contact surfaces and apply a light oil film. Slide the locking assembly into the hub bore, insert the shaft and tighten gradually and regularly in crossed sequence all screws to reach the tightening torque **Ms** as indicated in the table.
The values **Mt** and **F ass** indicated in the table are valid only in case of oil installation. Do not use any oil with **molibdenum bisulphide** or high pressure additives and not grease. Above substances notably reduce the friction coefficient.

Dismantling

Loosen the clamping screws. Insert the screws into the dismantling threading and tighten gradually and regularly in crossed sequence until the back cone is released. If the element is to be reused, relubricate both screws and threads.

Tolerances, surface finish

A good surface finish by the machine tool is sufficient.
Maximum allowable surface finish:
Rt max 16 µm (Ra 3 µm - Rz 13 µm)

Maximum permissible tolerances:
h8 for shaft
H8 for hub

Axial movement

TLK 132: during screws tightening the hub has a slight axial movement with respect to the shaft.

TLK 133: during screws tightening the hub has no axial movement with respect to the shaft.

DM hub calculation

The pressure **Pn** in the hub can be compared to the inside pressure on a thick hollow cylinder.

For DM calculation see page 38.

Locking assemblies self-centering
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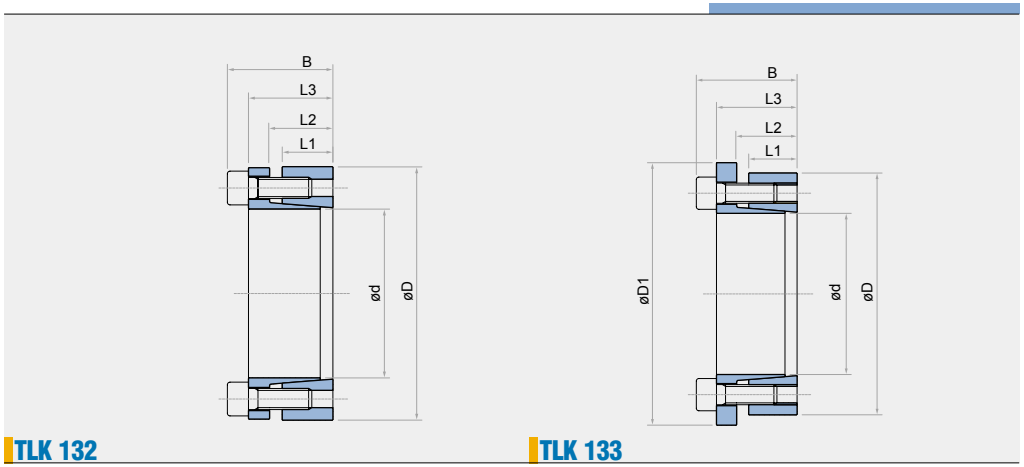

TLK 132 TLK 133

									TLK 132					TLK 133				
					Only TLK 133	Tightening screws			Torque	Axial Thrust	Surface pressures on		Weight	Torque	Axial Thrust	Surface pressures on		Weight
						DIN 912 12.9	Tightening torque				Shaft	Hub				Shaft	Hub	
dxD	L1	L2	L3	B	D1		Ms Nm		Mt	F ass.	pw	pn		Mt	F ass.	pw	pn	
mm	mm	mm	mm	mm	mm	N°x type	TLK 132	TLK133	Nm	KN	N/mm²	N/mm²	Kg	Nm	KN	N/mm²	N/mm²	Kg
20 x 47	17	22	28	34	54	5 x M6	14	17	380	38	295	125	0,3	280	28	220	95	0,3
22 x 47	17	22	28	34	54	5 x M6	14	17	410	38	270	125	0,3	300	28	200	95	0,3
24 x 50	17	22	28	34	57	5 x M6	14	17	450	38	245	120	0,3	330	28	180	90	0,3
25 x 50	17	22	28	34	57	6 x M6	14	17	570	46	285	140	0,3	420	34	210	105	0,3
28 x 55	17	22	28	34	62	6 x M6	14	17	630	46	255	130	0,4	470	34	190	95	0,4
30 x 55	17	22	28	34	62	6 x M6	14	17	660	46	235	130	0,3	500	34	175	95	0,4
32 x 60	17	22	28	34	67	8 x M6	14	17	970	60	295	155	0,4	720	45	220	115	0,4
35 x 60	17	22	28	34	67	8 x M6	14	17	1060	60	270	155	0,4	790	45	200	115	0,4
38 x 65	17	22	28	34	72	8 x M6	14	17	1150	60	250	145	0,4	850	45	185	105	0,5
40 x 65	17	22	28	34	72	8 x M6	14	17	1210	60	235	145	0,4	900	45	175	105	0,5
42 x 75	20	25	33	41	82	7 x M8	35	41	2050	98	300	170	0,8	1530	73	225	125	0,8
45 x 75	20	25	33	41	82	7 x M8	35	41	2200	98	290	170	0,6	1650	73	215	125	0,7
48 x 80	20	25	33	41	87	7 x M8	35	41	2350	98	270	160	0,8	1760	73	200	120	0,8
50 x 80	20	25	33	41	87	7 x M8	35	41	2450	98	260	160	0,8	1830	73	195	120	0,8
55 x 85	20	25	33	41	92	8 x M8	35	41	3080	112	270	175	0,8	2300	83	200	130	0,9
60 x 90	20	25	33	41	97	8 x M8	35	41	3360	112	245	165	0,8	2510	83	185	125	0,9
65 x 95	20	25	33	41	102	9 x M8	35	41	4090	126	255	175	0,9	3060	94	190	130	1
70 x 110	24	30	40	50	117	8 x M10	70	83	6300	179	280	180	1,8	4670	133	210	135	1,9
75 x 115	24	30	40	50	122	8 x M10	70	83	6700	179	260	170	1,8	5000	133	195	125	2
80 x 120	24	30	40	50	127	8 x M10	70	83	7150	179	250	170	1,8	5300	133	185	125	2
85 x 125	24	30	40	50	132	9 x M10	70	83	8500	200	260	180	2	6300	148	195	135	2
90 x 130	24	30	40	50	137	9 x M10	70	83	9100	200	250	170	2,1	6750	148	185	130	2,2
95 x 135	24	30	40	50	142	10 x M10	70	83	10600	224	260	180	2,1	7900	166	195	135	2,3
100 x 145	26	32	44	56	152	8 x M12	125	145	13400	268	270	190	2,8	9700	194	200	140	3
110 x 155	26	32	44	56	162	8 x M12	125	145	14600	268	240	180	3	10600	194	180	130	3,2
120 x 165	26	32	44	56	172	9 x M12	125	145	17900	298	250	180	3,2	13000	216	185	135	3,4
130 x 180	34	40	54	66	187	12 x M12	125	145	26000	400	240	170	4,8	18900	290	175	125	5,2
140 x 190	34	40	54	68	197	9 x M14	190	230	27000	384	210	150	5,2	20500	290	165	120	5,4
150 x 200	34	40	54	68	207	10 x M14	190	230	33000	440	230	170	5,4	25000	333	175	130	5,7
160 x 210	34	40	54	68	217	11 x M14	190	230	38000	479	230	170	5,7	29000	362	180	135	6
170 x 225	44	50	64	78	232	12 x M14	190	230	45000	530	180	130	8	34000	400	140	105	8,3
180 x 235	44	50	64	78	242	12 x M14	190	230	47000	530	170	130	8,3	36000	400	135	105	8,8
190 x 250	44	50	64	78	257	15 x M14	190	230	62900	660	210	150	9,6	47500	500	160	120	10
200 x 260	44	50	64	78	267	15 x M14	190	230	66000	660	190	150	10	50000	500	150	115	10,5

For larger diameter or inch series please contact us.

NOTE: it is possible to reduce the screws tightening torque down to 60% of the values indicated in above table; as a result Mt, F ass, Pw, Pn are reduced proportionally.