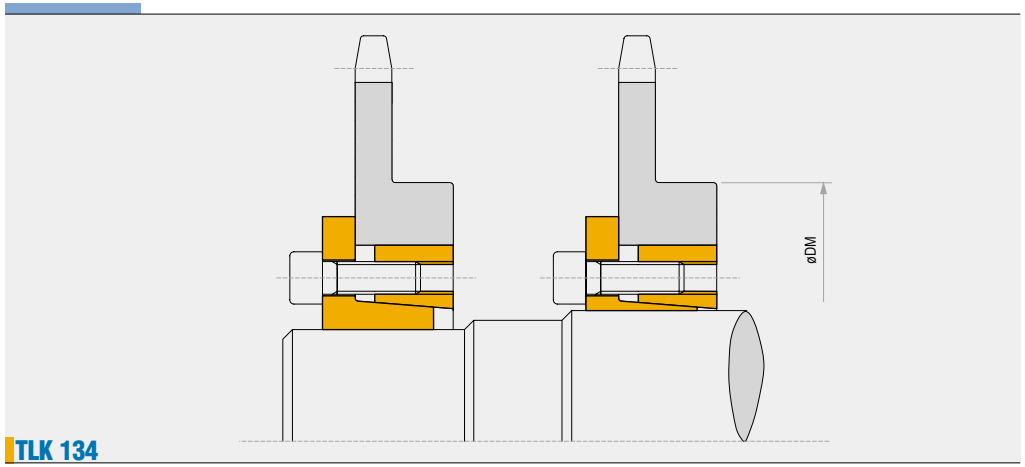
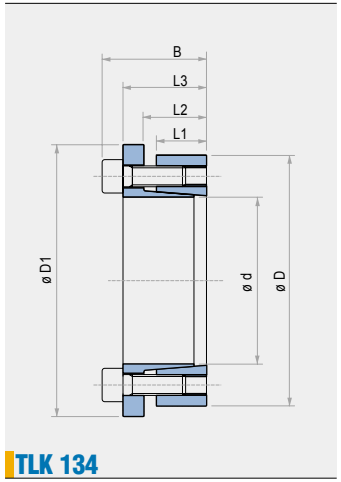
Locking assembly self-centering
TLK 134



TLK 134

Characteristics

The same as TLK 133 (pag.10)

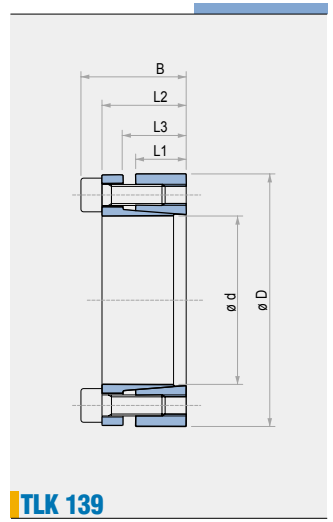


TLK 134

							Torque	Axial Thrust	Surface pressures on		Tightening screws		Weight
									Shaft	Hub	DIN 912	Tightening torque	
dxD mm	L1 mm	L2 mm	L3 mm	B mm	D1 mm		Mt Nm	F ass. KN	pw N/mm^2	pn N/mm^2	12.9 N° x type	Ms Nm	Kg
14 x 55							120	18	205	55		25	0,5
16 x 55							140	18	180	55		25	0,5
18 x 55							150	18	160	55		25	0,5
19 x 55							160	18	150	55		25	0,5
20 x 55	17	22	30	38	62		170	18	145	55	3 x M8	25	0,5
22 x 55							280	25	185	75		35	0,5
24 x 55							300	25	170	75		35	0,5
25 x 55							310	25	165	75		35	0,5
28 x 55							430	31	175	90		41	0,4
30 x 55							470	31	165	90		41	0,4
24 x 65							440	37	244	90		30	0,7
25 x 65							460	37	234	90		30	0,7
28 x 65							600	44	243	105		35	0,6
30 x 65							640	44	227	105		35	0,6
32 x 65	17	22	30	38	72		690	44	213	105	5 x M8	35	0,6
35 x 65							910	52	234	126		41	0,5
38 x 65							990	52	216	126		41	0,5
40 x 65							1050	52	205	126		41	0,5
30 x 80							780	52	232	87		30	1
32 x 80							830	52	217	87		30	1
35 x 80							1060	61	232	102		35	1
38 x 80							1150	61	214	102		35	1
40 x 80	20	25	33	41	87		1220	61	203	102	7 x M8	35	0,9
42 x 80							1540	73	233	122		41	0,9
45 x 80							1650	73	217	122		41	0,8
48 x 80							1760	73	203	122		41	0,8
50 x 80							1830	73	195	122		41	0,8

Locking assembly self-centering
TLK 139

					Torque	Axial Thrust	Surface pressures on		Tightening screws		Weight
							Shaft	Hub	DIN 912	Tightening torque	
dxD mm	L1 mm	L2 mm	L3 mm	B mm	Mt Nm	F ass. KN	pw N/mm^2	pn N/mm^2	12.9 N° x type	Ms Nm	Kg
18 x 40	12	15	20	24	210	23,7	233	131	6 x M4	5	0,2
19 x 41	12	15	20	24	220	23,7	221	128	6 x M4	5	0,2
20 x 42	12	15	20	24	270	27,7	245	146	7 x M4	5	0,2
22 x 44	12	15	20	24	300	27,7	223	139	7 x M4	5	0,2
24 x 46	12	15	20	24	330	27,7	204	133	7 x M4	5	0,2
25 x 47	12	15	20	24	340	27,7	196	130	7 x M4	5	0,2
28 x 50	12	15	20	24	500	35,6	225	157	9 x M4	5	0,2
30 x 52	12	15	20	24	530	35,6	210	151	9 x M4	5	0,2
32 x 54	12	15	20	24	570	35,6	197	146	9 x M4	5	0,2
35 x 57	16	19	24	28	690	39,5	158	115	10 x M4	5	0,3
36 x 58	16	19	24	28	710	39,5	153	113	10 x M4	5	0,3
38 x 60	16	19	24	28	830	43,5	160	120	11 x M4	5	0,3
40 x 62	16	19	24	28	870	43,5	152	116	11 x M4	5	0,4
42 x 70	19	23	30	36	1530	73	200	146	8 x M6	17	0,6
45 x 73	19	23	30	36	1640	73	187	140	8 x M6	17	0,6
48 x 76	19	23	30	36	1750	73	175	134	8 x M6	17	0,6
50 x 78	19	23	30	36	1820	73	168	131	8 x M6	17	0,6
55 x 83	19	23	30	36	2000	73	153	123	8 x M6	17	0,7
56 x 84	19	23	30	36	2040	73	150	121	8 x M6	17	0,7
60 x 88	19	23	30	36	2460	82,1	158	130	9 x M6	17	0,7
63 x 91	19	23	30	36	2580	82,1	150	126	9 x M6	17	0,9
65 x 93	19	23	30	36	2660	82,1	146	123	9 x M6	17	1
70 x 105	23	28	37	45	4720	134,8	183	148	8 x M8	41	1,5
75 x 110	23	28	37	45	5050	134,8	170	141	8 x M8	41	1,5
80 x 115	23	28	37	45	5390	134,8	160	135	8 x M8	41	1,7
85 x 120	23	28	37	45	5730	134,8	150	130	8 x M8	41	2
90 x 125	23	28	37	45	7580	168,5	177	156	10 x M8	41	2,3



TLK 139

Characteristics

Medium-low torque
Limited installation time
Application economically advantageous

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 till 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 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 139: during screws tightening the hub has a slight 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.