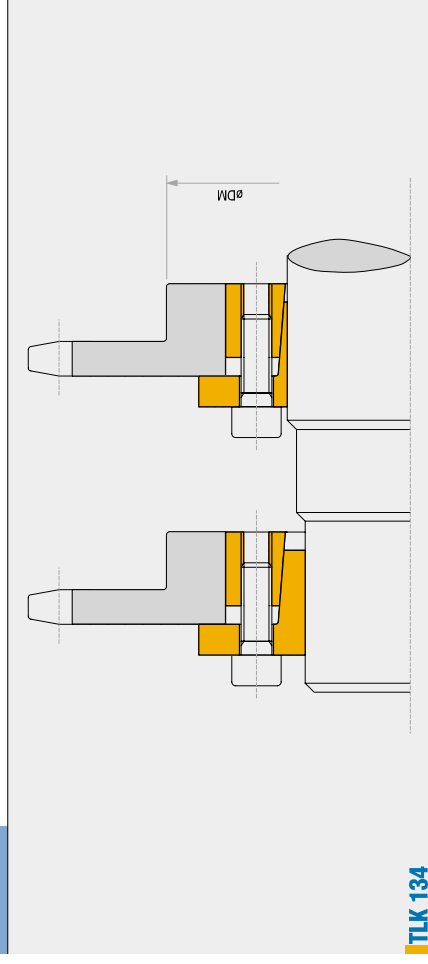


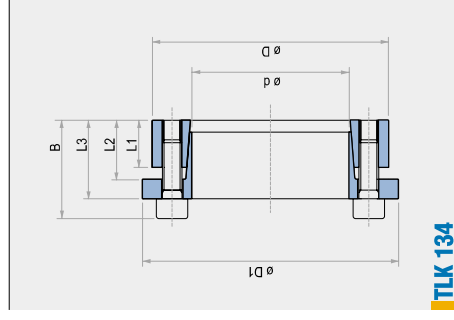
Locking assembly self-centering



TLK 134

Characteristics

The same as TLK 133 (pag.10)



TLK 134

Weight	Torque										Surface pressures on				Tightening screws		Weight
											Axial Thrust		Hub		DN 912 N° x type	Nm	
											Shaft	Hub	pw 2 N/mm ²	ph 2 N/mm ²			
kg	daø mm	L1 mm	L2 mm	L3 mm	B mm	D1 mm	F ass. KN	Mt Nm							DN 912 N° x type	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							170	18	145	55				3 x M8	25	0,5	
22 x 55	17	22	30	38	62		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			40	0,4	
30 x 55							470	31	165	90	41	0,4			40	0,4	
34 x 65							600	37	244	90	30	0,7			30	0,7	
25 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			41	0,5	
38 x 65							990	52	216	126	41	0,5			41	0,5	
40 x 65							1050	52	205	126	41	0,5			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	

Characteristics

Medium-low torque

Limited installation time

Application economically advantageous

Installation

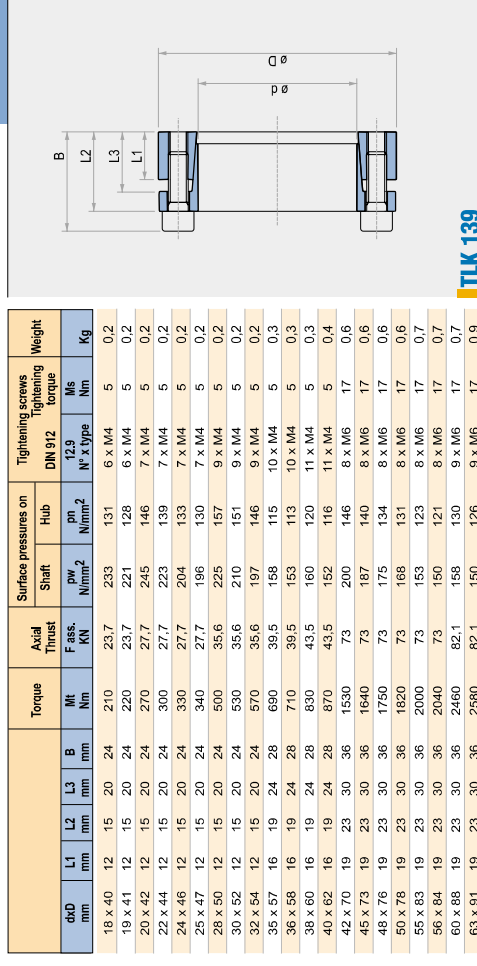
Carefully clean the hub and shaft contact surfaces and apply a light oil film. Slide the locking assembly into the hub bore, insert the shaft and tighten gradually and regularly in crossed sequence all screws to reach the tightening torque **Ms** as indicated in the table.

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.

Locking assembly self-centering



TLK 139

Weight	Torque										Surface pressures on				Tightening screws									
	Axial Thrust					Shaft					Hub		DN 912		Weight									
											P _W N/mm ²	P _M N/mm ²	12.9	N x type	N _{in}	N _{out}								
d x D	L1	L2	L3	B	Mt	F. asc.	P _W	P _M	P _N	PM ²	PN ²	DN 912	N x type	N _{in}	N _{out}									
mm	mm	mm	mm	mm	N	N	N	N	N	N	N	N	N	N	N	Kg								
18 x 40	12	15	20	24	210	23.7	231	131	138	6 x M4	5	0.2	19 x 41	12	15	20	220	23.7	221	128	6 x M4	5	0.2	
19 x 41	12	15	20	24	220	23.7	221	131	138	6 x M4	5	0.2	20 x 42	12	15	20	24	270	27.7	245	146	7 x M4	5	0.2
20 x 42	12	15	20	24	270	27.7	245	146	153	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	300	27.7	204	133	137	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 47	12	15	20	24	340	27.7	196	130	137	9 x M4	5	0.2	30 x 52	12	15	20	24	500	35.6	225	157	9 x M4	5	0.2
30 x 52	12	15	20	24	500	35.6	210	151	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	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	111	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	167	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	58 x 86	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	2590	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	5090	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	5750	134.8	177	156	10 x M8	41	2.3	

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

For DM calculation see page 38.