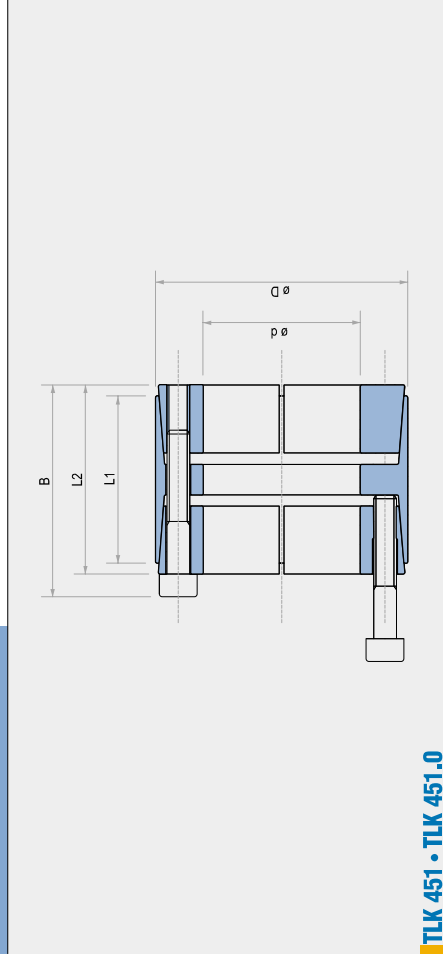


Locking assemblies self-centering

TLK 451 • TLK 451.0



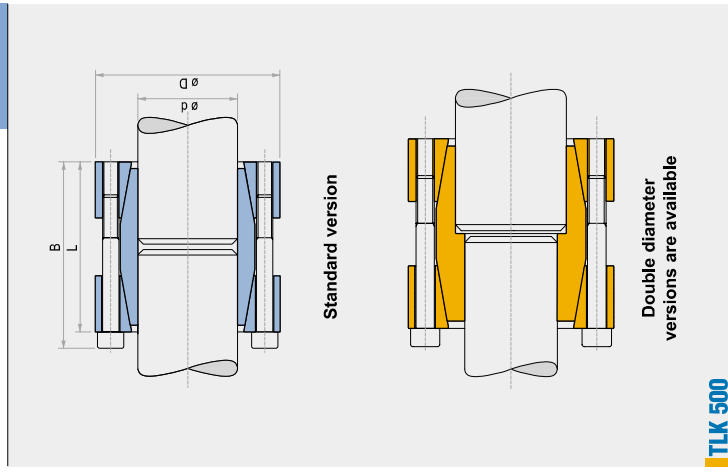
TLK 451 • TLK 451.0

TLK 451										TLK 451.0											
				Tightening screws DIN 912		Tightening torque		Torque		Axial Force		Surface pressures on Shaft		Hub		Surface pressures on Shaft		Hub		Weight TLK 451	
daD mm	L1 mm	L2 mm	B mm	N° x type	Ms Nm	Mt Nm	F ass. KN	pn N/mm²	pw N/mm²	F ass. KN	pn N/mm²	Ms Nm	Mt Nm	F ass. KN	pn N/mm²	pw N/mm²	F ass. KN	pn N/mm²	pw N/mm²	pn N/mm²	Kg
70 x 110	50	60	70	8 x M10	49	4180	120	113	64	83	7090	203	192	109	2.3						
80 x 120	50	60	70	10 x M10	49	5980	150	124	73	83	10130	253	210	124	2.5						
90 x 130	50	60	70	11 x M10	49	7400	165	121	75	83	12540	279	205	126	2.7						
100 x 145	60	70	82	10 x M12	86	10930	219	121	74	145	18440	369	204	125	4.1						
110 x 155	60	70	82	10 x M12	86	12000	219	110	69	145	20200	369	185	117	4.4						
120 x 165	60	70	82	11 x M12	86	14400	241	111	72	145	24300	406	187	121	4.8						
130 x 180	65	79	91	14 x M12	86	19900	306	118	77	145	33500	516	199	129	6.3						
140 x 190	65	79	91	15 x M12	86	22900	328	117	78	145	38700	553	198	131	6.6						
150 x 200	65	79	91	15 x M12	86	24600	328	110	74	145	41400	553	185	124	7.8						
160 x 210	65	79	91	16 x M12	86	28000	350	110	75	145	47200	590	185	126	7.4						
170 x 225	78	92	106	15 x M14	135	37800	446	109	74	230	64500	759	185	126	10.7						
180 x 235	78	92	106	15 x M14	135	40100	446	103	71	230	68300	759	175	121	11.3						
190 x 250	88	102	116	16 x M14	135	45100	475	90	62	230	76900	810	153	106	14.6						
200 x 260	88	102	116	18 x M14	135	53400	535	96	67	230	91000	911	163	115	15.3						
220 x 285	96	108	124	15 x M16	210	68600	624	94	66	355	116000	1055	159	112	20.2						
240 x 305	96	108	124	20 x M16	210	99800	832	115	82	355	168800	1407	194	139	21.8						
260 x 325	96	108	124	20 x M16	210	108000	832	106	77	355	182000	1407	179	130	23.4						
280 x 355	96	110	130	15 x M20	410	137000	979	122	85	690	230000	1647	205	143	30						
300 x 375	96	110	130	16 x M20	410	156000	1044	121	86	690	263000	1757	204	145	31.2						
320 x 405	124	136	156	20 x M20	410	206000	1305	104	75	690	351000	2196	175	126	48						
340 x 425	124	136	156	20 x M20	410	221000	1305	98	71	690	373000	2196	165	120	51						
360 x 455	140	155	177	20 x M22	550	291000	1617	101	73	930	492000	2734	171	124	69						
380 x 475	140	155	177	20 x M22	550	307000	1617	96	70	930	519000	2734	162	118	73						
400 x 495	140	155	177	22 x M22	550	355000	1778	100	74	930	601000	3007	169	125	76						
420 x 515	140	155	177	24 x M22	550	407000	1940	104	77	930	688000	3280	176	131	80						
440 x 535	140	155	177	24 x M22	550	426000	1940	99	75	930	721000	3280	168	126	81						
460 x 555	140	155	177	24 x M22	550	446000	1940	95	72	930	754000	3280	160	122	85						
480 x 575	140	155	177	25 x M22	550	485000	2021	95	72	930	820000	3417	160	122	88						
500 x 595	140	155	177	25 x M22	550	505000	2021	91	70	930	854000	3417	154	118	91						
520 x 615	140	155	177	28 x M22	550	588000	2263	98	76	930	995000	3827	165	128	95						
540 x 635	140	155	177	28 x M22	550	611000	2263	94	73	930	1033000	3827	159	124	98						
560 x 655	140	155	177	30 x M22	550	679000	2425	97	76	930	1148000	4101	165	129	101						
580 x 675	140	155	177	30 x M22	550	703000	2425	94	74	930	1189000	4101	159	125	104						
600 x 695	140	155	177	30 x M22	550	727000	2425	91	72	930	1230000	4101	154	121	108						

For larger diameter or inch series please contact us.

Rigid coupling

TLK 500



TLK 500

Dismantling

By loosening all tightening screws the clamping cones are normally released. However in case of difficulties slightly hammer the released screws in a way to push back the rear pressure cone.

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

Characteristics

Medium high torque
Restricted number of tightening screws
Easy installation

Application economically advantageous

Installation

Carefully clean the shafts contact surfaces. Fit the rigid coupling at the end of the connecting shafts. Tighten gradually and regularly in crossed sequence all screws to reach the tightening torque **Ms** indicated on the table.