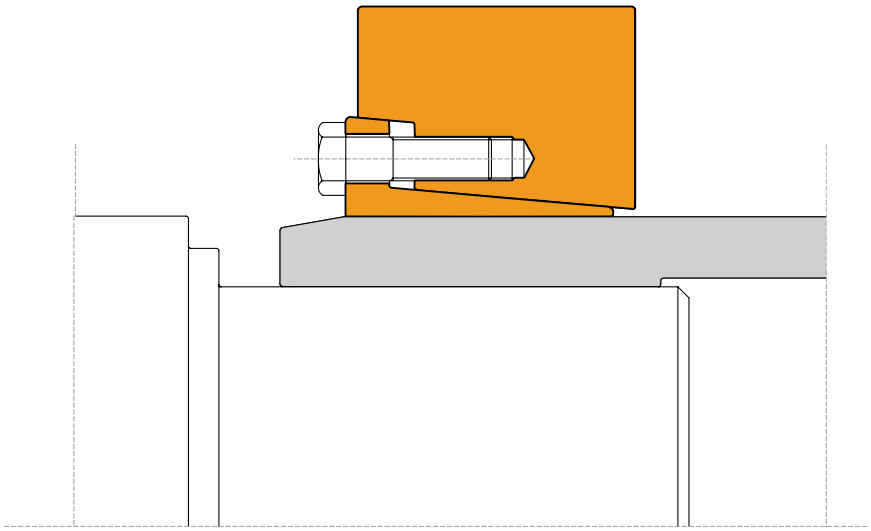
TLK 622
TLK 623
TLK 681
TLK 683



Characteristics

- Very high torques
- No shaft-hub axial movement
- Limited installation time
- Quick dismantling

Installation

Carefully clean the hub and shaft contact surfaces. Slide the shrink disc outside the hollow shaft. Tighten gradually and regularly in continuous sequence all screws to reach the tightening torque M_s indicated in the table.
To reach the required tightening torque M_s it is necessary to repeat the procedure more than once.
Do not use **molybdenum bisulphide** in the hub and shaft contact surfaces.

Dismantling

Loosen the clamping screws in a continuous and gradual sequence. Do not remove screws from threads. Normally with this operation the shrink disc is released.
In case of reuse, apply a solid lubricant (that can guarantee a friction coefficient equal to 0,04) in the screws and in the tapered surfaces.

Tolerances, surface finish

A good surface finish by the machine tool is sufficient.
Maximum allowable surface finish:
R_t max 16 µm (R_a 3 µm - R_z 13 µm)

Maximum permissible tolerances:
d = f7 for shaft

Dw diameter tolerances

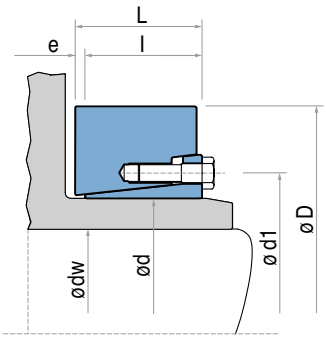
dw: Up to 150 mm H7/h6
From 155 mm H7/g6

Axial movement

During screws tightening the hub has no axial movement with respect to the shaft.

Shrink discs

TLK 623
TLK 683



TLK 623 - TLK 683 DIMENSIONS

Type	Shaft diameter	TLK 623			TLK 683			Dimensions					Tightening screws DIN931	Weight
		Torque	Axial force	Tightening torque	Torque	Axial force	Tightening torque							
d mm	dw mm	M_t Nm	F_{ax} KN	M_s Nm	M_t Nm	F_{ax} KN	M_s Nm	D mm	l mm	L mm	d1 mm	e mm	Type	Kg
	100	26000	523		30000	607								
140	105	30000	562	250	34000	650	300	230	64	74	174	10	M16	13
	115	37000	641		42000	737								
	110	36000	646		45000	810								
155	115	40000	687	250	49000	860	300	263	70	80	194	10	M16	19
	125	48000	772		60000	959								
	120	50000	828		63000	1047								
165	125	55000	877	250	69000	1105	300	290	77	88	204	11	M16	26
	135	66000	977		83000	1223								
	130	61000	943		73000	1121								
175	135	67000	993	250	80000	1178	300	300	77	88	214	11	M16	27
	145	79000	1094		94000	1292								
	140	89000	1269		106000	1512								
185	145	96000	1330	490	115000	1582	570	320	100	112	232	12	M20	40
	155	113000	1455		134000	1723								
	150	104000	1391		126000	1685								
200	155	113000	1453	490	136000	1757	570	340	100	112	246	12	M20	44
	165	130000	1577		157000	1900								
	160	127000	1591		162000	2027								
220	165	137000	1661	490	174000	2112	570	370	121	134	266	13	M20	64
	180	169000	1876		213000	2366								
	170	157000	1847		206000	2424								
240	180	180000	1996	490	235000	2607	570	405	130	144	286	14	M20	81
	200	230000	2300		298000	2978								
	190	230000	2424		285000	3000								
260	200	260000	2600	490	321000	3207	570	430	144	160	306	16	M20	102
	220	325000	2957		399000	3623								
	210	306000	2918		361000	3435								
280	220	342000	3105	840	401000	3646	980	460	156	172	334	16	M24	126
	240	418000	3485		489000	4074								
	230	360000	3132		461000	4010								
300	240	398000	3314	840	508000	4230	980	485	158	176	354	18	M24	141
	250	437000	3498		556000	4452								
	240	430000	3580		512000	4269								
320	250	473000	3781	840	562000	4498	980	520	166	184	374	18	M24	171
	270	565000	4186		670000	4960								
	250	551000	4407		661000	5288								
340	260	603000	4637	1250	722000	5552	1450	570	186	206	404	20	M27	235
	280	714000	5100		852000	6086								
	270	671000	4969		763000	5654								
360	280	729000	5204	1250	828000	5914	1450	590	188	210	424	22	M27	251
	300	852000	5679		966000	6438								
	290	850000	5860		978000	6743								
390	300	917000	6116	1250	1054000	7029	1450	650	196	220	456	24	M27	324
	320	1061000	6633		1217000	7606								
	320	1007000	6294		1297000	8106								
420	330	1080000	6547	1250	1389000	8416	1450	690	221	246	486	25	M27	409
	350	1235000	7058		1582000	9040								
	340	1218000	7166		1583000	9312								
440	350	1301000	7433	1640	1687000	9642	1970	750	233	258	514	25	M30	526
	370	1475000	7972		1907000	10306								
	360	1402000	7791		1734000	9632								
460	370	1491000	8062	1640	1841000	9953	1970	770	233	258	534	25	M30	544
	390	1678000	8606		2067000	10599								
	380	1707000	8984		2076000	10926								
480	390	1809000	9277	1640	2198000	11270	1970	800	270	298	552	28	M30	642
	410	2023000	9867		2452000	11961								
	400	1993000	9963		2529000	12645								
500	410	2106000	10273	1640	2669000	13021	1970	850	270	300	572	30	M30	741
	430	2342000	10895		2962000	13777								
	430	2549000	11857		3093000	14385								
530	440	2683000	12196	2210	3252000	14782	2650	890	306	338	616	32	M33	899
	460	2962000	12878		3584000	15581								
	450	2837000	12609		3439000	15284								
560	460	2978000	12950	2210	3607000	15683	2650	940	306	338	646	32	M33	1000
	480	3272000	13634		3956000	16485								

For larger diameter please contact us.