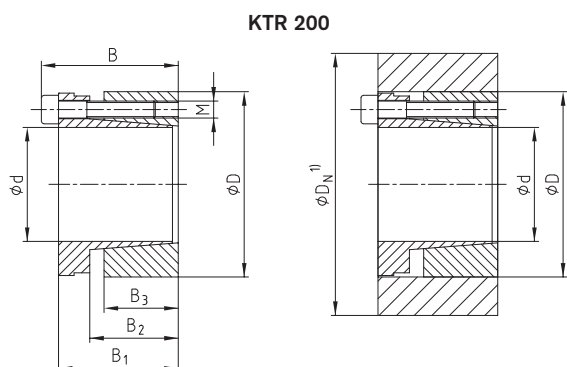


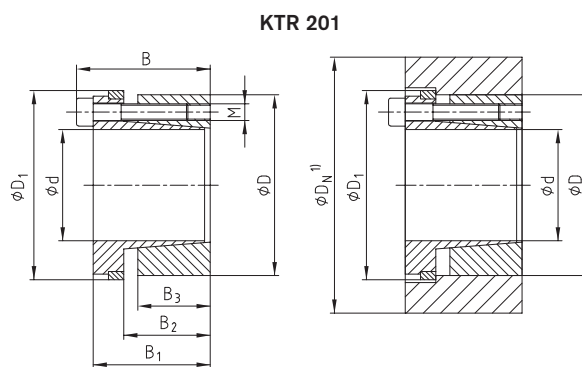
KTR 200 and KTR 201 (self-centering)



- Clamping element for universal use
- Wide range of applications
- Low-cost solution with average to high torques
- Mounting instructions at www.ktr.com



Considerably higher transmittable torque than KTR 201, slight axial displacement of the hub



No axial displacement of the hub, but lower transmittable torque than with KTR 200

¹⁾ Dimension D_N : for selection see page 304/305.

Assembly

Clean the contact surfaces of the clamping set as well as the shaft and the hub and afterwards apply thin-bodied oil. Insert the clamping set into the hub fit and push it onto the shaft. Tighten the clamping screws crosswise, evenly and by degrees to the tightening torque T_A mentioned by means of the torque wrench. Check the tightening torque of all clamping screws in the order of arrangement. The figures T and F_{ax} mentioned in the table were calculated for an assembly with oil.

Please note: Oils and greases containing molybdenum disulphide or high-pressure additives, additives of teflon and silicone as well as sliding grease paste reducing the coefficient of friction considerably must not be used. For assembly of the clamping set tapers without oil, the figures mentioned in the table deviate from the calculated figures.

Disassembly

Unscrew the clamping screws. Screw the screws into the forcing thread, tighten them crosswise by degrees and evenly until the rear taper ring is released. For repeated application oil the screws and threads.

Tolerances, surfaces

One accurate turning process is sufficient:

$RZ \leq 16\mu m$

Maximum permissible tolerances:

h8 for the shaft - H8 for the hub

Centering

The clamping elements KTR 200 and KTR 201 are self-centering. The concentricity of the clamping set between shaft and hub is between 0,02 and 0,08 mm.

Ordering example:	KTR 200	40	x	65
	Type	Size of inside diameter d		Size of outside diameter D

KTR 200 and KTR 201 (self-centering) – Technical data

CLAMPEX® – KTR 200 and KTR 201																							
d x D [mm]	Dimensions [mm]					Clamping screws DIN EN ISO 4762 - 12.9 H _{ges.} =0,14				KTR 200								KTR 201					
										Transmittable torque or axial force		Surface pressure between clamping set		Weight [-kg]	Stock programme	Transmittable torque or axial force		Surface pressure between clamping set		Weight [-kg]	Stock programme		
										T [Nm]	F _{ax} [kN]	Shaft P _W [N/mm ²]	Hub P _N [N/mm ²]			T [Nm]	F _{ax} [kN]	Shaft P _W [N/mm ²]	Hub P _N [N/mm ²]				
B	B ₁	B ₂	B ₃	D ₁	M	z number	T _A [Nm] ¹⁾		T [Nm]	F _{ax} [kN]	Shaft P _W [N/mm ²]	Hub P _N [N/mm ²]	Weight [-kg]	Stock programme	T [Nm]	F _{ax} [kN]	Shaft P _W [N/mm ²]	Hub P _N [N/mm ²]	Weight [-kg]	Stock programme			
20 x 47	48	42	31	26	53	M6	6	17	17	513	51	291	124	0,41	●	332	33	178	76	0,42	●		
22 x 47	48	42	31	26	53	M6	6	17	17	564	51	264	124	0,38	●	366	33	162	76	0,39	●		
24 x 50	48	42	31	26	56	M6	6	17	17	616	51	242	116	0,42	●	399	33	149	71	0,43	●		
25 x 50	48	42	31	26	56	M6	6	17	17	641	51	233	116	0,41	●	415	33	143	71	0,42	●		
28 x 55	48	42	31	26	61	M6	6	17	17	718	51	208	106	0,50	●	465	33	127	65	0,51	●		
30 x 55	48	42	31	26	61	M6	6	17	17	769	51	194	106	0,47	●	499	33	119	65	0,48	●		
32 x 60	48	42	31	26	66	M6	8	17	17	1094	68	242	129	0,56	●	709	44	149	79	0,57	●		
35 x 60	48	42	31	26	66	M6	8	17	17	1197	68	222	129	0,53	●	776	44	136	79	0,54	●		
38 x 65	48	42	31	26	71	M6	8	17	17	1299	68	204	119	0,62	●	842	44	125	73	0,63	●		
40 x 65	48	42	31	26	71	M6	8	17	17	1368	68	194	119	0,57	●	886	44	119	73	0,58	●		
42 x 75	59	51	35	30	81	M8	6	41	41	1990	95	222	124	1,01	●	1290	61	136	76	1,02	●		
45 x 75	59	51	35	30	81	M8	6	41	41	2132	95	207	124	0,98	●	1382	61	127	76	0,99	●		
48 x 80	59	51	35	30	86	M8	8	41	41	3033	126	259	155	1,09	●	1965	82	159	95	1,10	●		
50 x 80	59	51	35	30	86	M8	8	41	41	3159	126	248	155	1,07	●	2047	82	152	95	1,08	●		
55 x 85	59	51	35	30	91	M8	8	41	41	3475	126	226	146	1,15	●	2252	82	139	90	1,16	●		
60 x 90	59	51	35	30	96	M8	8	41	41	3791	126	207	138	1,23	●	2456	82	127	85	1,24	●		
65 x 95	59	51	35	30	101	M8	8	41	41	4107	126	191	131	1,32	●	2661	82	117	80	1,33	●		
70 x 110	70	60	45	40	119	M10	8	83	83	7023	201	211	134	2,18	●	4550	130	130	83	2,29	●		
75 x 115	70	60	45	40	124	M10	8	83	83	7524	201	197	129	2,30	●	4875	130	121	79	2,41	●		
80 x 120	70	60	45	40	129	M10	8	83	83	8026	201	185	123	2,44	●	5200	130	113	76	2,56	●		
85 x 125	70	60	45	40	134	M10	10	83	83	10659	251	217	148	2,55	●	6907	163	133	91	2,67	●		
90 x 130	70	60	45	40	139	M10	10	83	83	11286	251	205	142	2,67	●	7313	163	126	87	2,80	●		
95 x 135	70	60	45	40	144	M10	10	83	83	11373	239	186	131	2,80	●	7501	158	116	82	2,93	●		
100 x 145	80	68	52	45	155	M12	8	145	145	14607	292	191	132	3,90	●	9465	189	117	81	4,10	●		
110 x 155	80	68	52	45	165	M12	8	145	145	16068	292	174	123	4,20	●	10411	189	107	76	4,40	●		
120 x 165	80	68	52	45	175	M12	10	145	145	21910	365	199	145	4,50	●	14197	237	122	89	4,72	●		
130 x 180	80	68	52	45	188	M12	12	145	145	28483	438	221	159	5,50	●	18456	284	136	98	5,74	●		
140 x 190	90	76	58	50	199	M14	10	210	230	32023	457	193	142	6,60	●	22726	325	130	95	6,92	●		
150 x 200	90	76	58	50	209	M14	12	210	230	41173	549	216	162	6,90	●	29219	390	145	109	7,24	●		
160 x 210	90	76	58	50	219	M14	12	210	230	43918	549	202	154	7,40	●	31167	390	136	104	7,76	●		
170 x 225	90	76	58	50	234	M14	14	210	230	54440	640	222	168	8,60	●	38634	455	149	113	8,98	●		
180 x 235	90	76	58	50	244	M14	14	210	230	57642	640	210	161	9,10	●	40907	455	141	108	9,50	●		

● Clamping sets available from stock.

¹⁾ These are the maximum screw tightening torques. They can be reduced to a maximum of 40% of the aforementioned figures with T, F_{ax}, P_W and P_N being reduced proportionally.