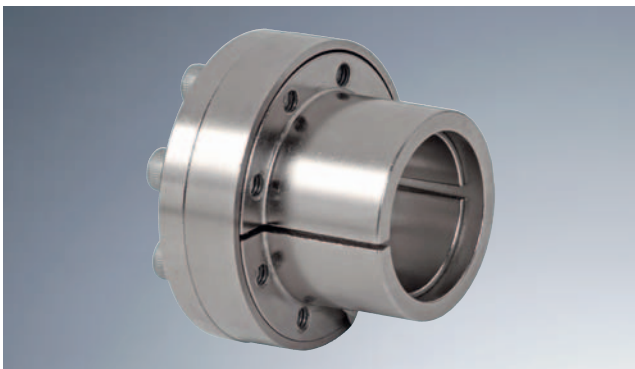
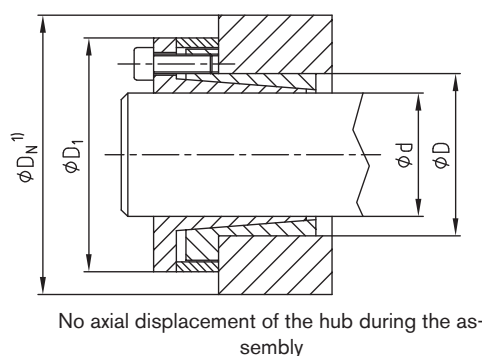
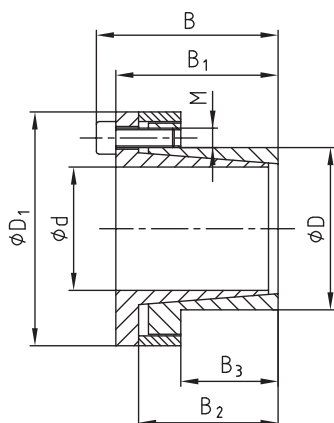


KTR 250 (self-centering)



- Clamping set specifically suitable for hubs with a small wall thickness
- Reduction of costs by saving material
- Short assembly times
- Small radial mounting dimensions
- Clamping sets "stainless steel" on request (Please order dimension sheet M367697.)
- Mounting instructions at www.ktr.com



¹⁾ Dimension D_N : for calculation 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 element KTR 250 is self-centering. The concentricity of the clamping set between shaft and hub is between 0,02 and 0,08 mm.

Ordering example:	KTR 250	50	x	65
	Type	Size of inside diameter d		Size of outside diameter D

KTR 250 (self-centering) – Technical data

CLAMPEX® – KTR 250														
d x D [mm]	Dimensions [mm]					Clamping screws DIN EN ISO 4762 - 12.9 $\mu_{ges.}=0,14$			Transmittable torque or axial force		Surface pressure between clamping set		Weight [~kg]	Stock pro- gramme
	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]		
6 x 14	24	21,5	15,5	10	25	M3	4	2	14	5	252	108	0,10	●
8 x 15	29	25	19	11,5	27	M4	3	5	27	7	210	112	0,12	●
9 x 16	30	26	20	14	28	M4	4	5	40	9	207	116	0,15	●
10 x 16	30	26	20	14	29	M4	4	5	46	9	192	120	0,15	●
11 x 18	30	26	20	13,5	32	M4	4	5	49	9	169	103	0,18	●
12 x 18	30	26	20	13,5	32	M4	4	5	55	9	160	106	0,18	●
14 x 23	30	26	20,5	14	38	M4	6	5	96	14	205	125	0,20	●
15 x 24	42	36	27	16	44	M6	4	15	139	19	227	142	0,31	●
16 x 24	42	36	27	16	44	M6	4	15	148	19	213	142	0,30	●
18 x 26	44	38	30	18	47	M6	4	17	199	22	191	132	0,32	●
19 x 27	44	38	30	18	48	M6	4	17	210	22	181	127	0,35	●
20 x 28	44	38	30	18	49	M6	4	17	222	22	172	123	0,36	●
22 x 32	51	45	37	25	54	M6	4	17	244	22	112	77	0,45	●
24 x 34	51	45	37	25	56	M6	4	17	266	22	103	73	0,48	●
25 x 34	51	45	37	25	56	M6	4	17	277	22	99	73	0,50	●
28 x 39	51	45	37	25	61	M6	6	17	465	33	133	95	0,52	●
30 x 41	51	45	37	25	62	M6	6	17	499	33	124	91	0,53	●
32 x 43	51	45	37	25	65	M6	8	17	689	43	150	112	0,58	●
35 x 47	56	50	42	30	69	M6	8	17	776	44	118	88	0,69	●
38 x 50	56	50	42	30	72	M6	8	17	842	44	109	82	0,73	●
40 x 53	56	50	42	30	75	M6	8	17	886	44	103	78	0,80	●
42 x 55	65	57	54	32	78	M8	8	41	1665	80	170	130	0,83	●
45 x 59	73	65	54	40	85	M8	8	41	1842	82	127	97	1,40	●
48 x 62	78	70	59	45	87	M8	8	41	1909	80	103	80	1,42	●
50 x 65	78	70	59	45	92	M8	10	41	2559	102	127	98	1,60	●
55 x 71	83	75	64	50	98	M8	10	41	2815	102	104	81	1,90	●
60 x 77	83	75	64	50	104	M8	10	41	3070	102	95	74	2,05	●
65 x 84	83	75	64	50	111	M8	10	41	3326	102	88	68	2,15	●
70 x 90	101	91	77	60	119	M10	10	83	5688	163	108	84	3,35	●
75 x 95	101	91	77	60	126	M10	10	83	6094	163	101	80	3,60	●
80 x 100	106	96	82	65	131	M10	12	83	7801	195	105	84	3,75	●
85 x 106	106	96	82	65	137	M10	12	83	8288	195	99	79	4,05	●
90 x 112	106	96	82	65	143	M10	15	83	10970	244	116	93	4,32	●
95 x 120	106	96	82	65	153	M10	15	83	11579	244	110	87	4,50	●
100 x 125	114	102	86	65	162	M12	12	145	14197	284	122	98	4,80	●
110 x 140	140	128	109,5	90	180	M12	12	145	15174	276	78	61	6,15	●
120 x 155	140	128	109,5	90	198	M12	12	145	16554	276	71	55	10,14	●
130 x 165	140	128	109,5	90	203	M12	16	145	23911	368	88	69	11,89	●

● 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.

²⁾ For different dimensions for clamping sets "stainless steel" please see dimension sheet M367697.