

**KTR-Group**

CLAMPEX®
KTR 125 / KTR 125.1
Operating/Assembly instructions

KTR-N 40811 EN
 Sheet: 2 of 8
 Edition: 4

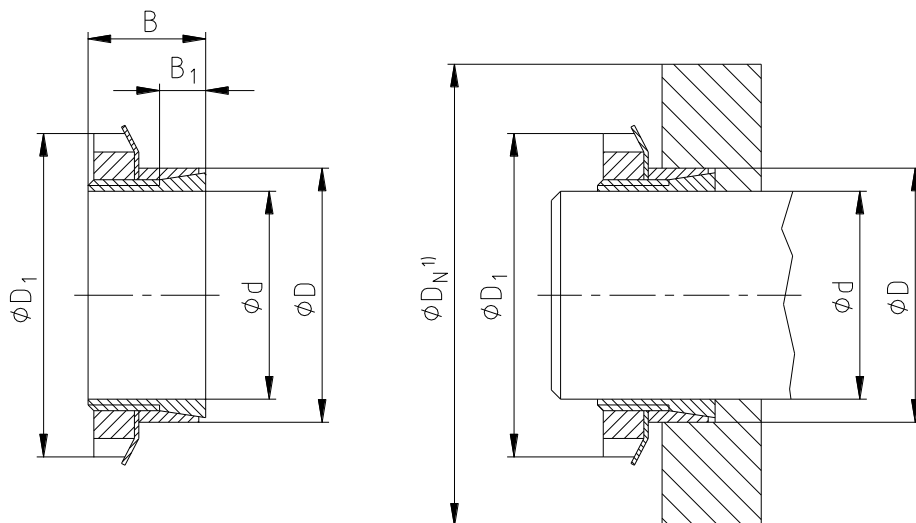
1 Technical data

Illustration 1: CLAMPEX® KTR 125

¹⁾ Dimension D_N: For calculation of hub see catalogue "Drive Technology"

Table 1: CLAMPEX® KTR 125

Dimensions [mm]				Groove nut DIN 981 $\mu_{\text{total}} = 0.14$			Transmittable torque or axial force		Surface pressure between clamping set [N/mm ²]		Weight [~kg]
d x D	B	B ₁	D ₁	Code designati- on	M	T _A [Nm]	T [Nm]	F _{ax} [kN]	Shaft P _w	Hub P _N	
14 x 25	16.5	6.5	32	KM 4	M20x1	65	37	5	171	96	0.050
15 x 25	16.5	6.5	32	KM 4	M20x1	65	40	5	159	96	0.050
16 x 25	16.5	6.5	32	KM 4	M20x1	65	42	5	149	96	0.042
17 x 25	16.5	6.5	38	KM 4	M20x1	75	52	6	162	110	0.040
18 x 30	17	7	38	KM 5	M25x1.5	85	64	7	167	100	0.040
19 x 30	17	7	38	KM 5	M25x1.5	95	59	6	138	87	0.072
20 x 30	17	7	38	KM 5	M25x1.5	110	72	7	151	101	0.068
22 x 35	17	7	45	KM 6	M30x1.5	140	83	8	145	91	0.12
24 x 35	17	7	45	KM 6	M30x1.5	155	101	8	147	101	0.096
25 x 35	17	7	45	KM 6	M30x1.5	160	108	9	146	104	0.090
28 x 40	20	8	52	KM 7	M35x1.5	205	134	10	126	88	0.13
30 x 40	20	8	52	KM 7	M35x1.5	240	168	11	137	103	0.124
32 x 45	22	9	58	KM 8	M40x1.5	320	208	13	133	95	0.113
35 x 45	22	9	58	KM 8	M40x1.5	320	228	13	122	95	0.166
38 x 50	23	9	65	KM 9	M45x1.5	440	301	16	137	104	0.28
40 x 50	23	9	65	KM 9	M45x1.5	440	317	16	130	104	0.238
42 x 55	25.5	10	70	KM 10	M50x1.5	550	372	18	124	95	0.35
45 x 55	25.5	10	70	KM 10	M50x1.5	550	449	20	131	107	0.28
48 x 60	25.5	10	75	KM 11	M55x2	660	525	22	134	107	0.36
50 x 60	25.5	10	75	KM 11	M55x2	660	546	22	129	107	0.302
55 x 65	29.5	12	80	KM 12	M60x2	750	625	23	102	86	0.40
60 x 70	29.5	12	85	KM 13	M65x2	880	843	28	115	99	0.418

Please observe protection
note ISO 16016.

Drawn: 15-09-25 Kb/Jh
 Verified: 15-10-28 Kb

Replacing: KTR-N dated 19.07.12
 Replaced by:

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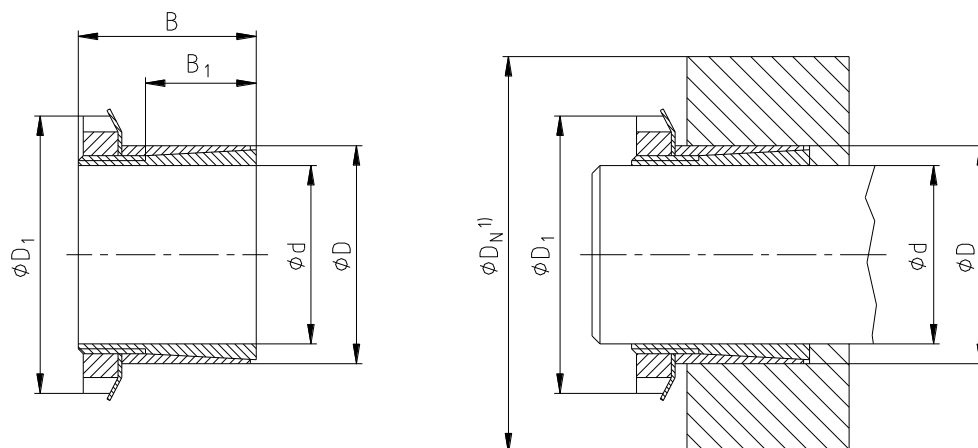
1 Technical data

Illustration 2: CLAMPEX® KTR 125.1

1) Dimension D_N : For calculation of hub see catalogue "Drive Technology"

Table 2: CLAMPEX® KTR 125.1

Dimensions [mm]				Groove nut DIN 981 $\mu_{\text{total}} = 0.14$			Transmittable torque or axial force		Surface pressure between clamping set [N/mm ²]		Weight [~kg]
d x D	B	B ₁	D ₁	Code designa- tion	M	T _A [Nm]	T [Nm]	F _{ax} [kN]	Shaft P _W	Hub P _N	
14 x 25	29	17	32	KM 4	M20x1	90	91	13	161	90	0.12
15 x 25	29	17	32	KM 4	M20x1	90	98	13	151	90	0.10
16 x 25	29	17	32	KM 4	M20x1	70	81	10	110	70	0.10
17 x 25	31	18	38	KM 4	M20x1	120	148	17	167	114	0.08
18 x 30	31	18	38	KM 5	M25x1.5	190	199	22	202	121	0.10
19 x 30	31	18	38	KM 5	M25x1.5	150	166	17	151	95	0.15
20 x 30	31	18	38	KM 5	M25x1.5	110	128	13	105	70	0.15
22 x 35	35	22	45	KM 6	M30x1.5	230	245	22	135	85	0.19
24 x 35	35	22	45	KM 6	M30x1.5	230	267	22	124	85	0.28
25 x 35	35	22	45	KM 6	M30x1.5	170	205	16	88	63	0.30
28 x 40	35	22	52	KM 7	M35x1.5	390	454	32	155	109	0.35
30 x 40	35	22	52	KM 7	M35x1.5	240	300	20	89	67	0.35
32 x 45	42	27	58	KM 8	M40x1.5	320	371	23	79	56	0.40
35 x 45	42	28	58	KM 8	M40x1.5	320	449	26	77	60	0.40
38 x 50	44	28	65	KM 9	M45x1.5	440	594	31	87	66	0.38
40 x 50	44	28	65	KM 9	M45x1.5	440	625	31	82	66	0.32
42 x 55	45	28	70	KM 10	M50x1.5	550	733	35	87	67	0.48
45 x 55	45	28	70	KM 10	M50x1.5	550	785	35	82	67	0.37
48 x 60	46	28	75	KM 11	M55x2	660	917	38	84	67	0.50
50 x 60	46	28	75	KM 11	M55x2	660	955	38	80	67	0.43
55 x 65	47	28	80	KM 12	M60x2	780	1137	41	79	67	0.80
60 x 70	52	28	85	KM 13	M65x2	1050	1539	51	90	77	0.80

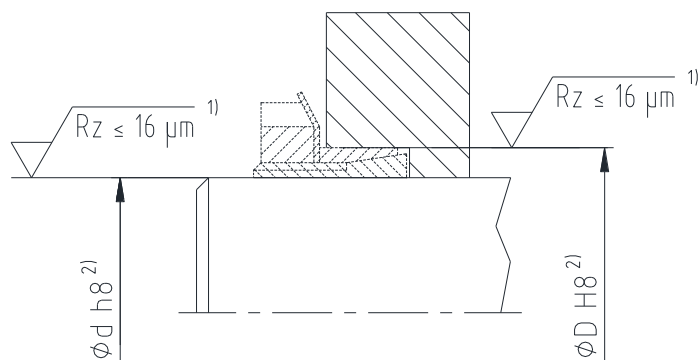
Tolerances, surfaces

Illustration 3: Tolerances and surfaces (example: CLAMPEX® KTR 125)

- 1) One proper turning process is sufficient ($R_z \leq 16 \mu\text{m}$).
 2) Highest permissible tolerance of the hub or shaft.

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note ISO 16016.

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