

KTR 400 (self-centering) – Technical data

CLAMPEX® – KTR 400																							
d x D ¹⁾ [mm]		Dimensions [mm]				Standard industrial applications						Applications with components subject to bending and torsion										Weight [-kg]	Stock programme
						Clamping screws DIN EN ISO 4762 - 12.9 H _{ges.} =0,14			Transmittable torque or axial force		Surface pressure between clamp- ing set		Clamping screws DIN EN ISO 4762 - 12.9 H _{ges.} =0,14			Transmittable torque or axial force		Transmit- table bending	Surface pressure between clamp- ing set				
						M	z num- ber	T _A ²⁾ [Nm]	T [Nm]	F _{ax} [kN]	Shaft P _W [N/mm ²]	Hub P _N [N/mm ²]	M	z num- ber	T _A [Nm]	T [Nm]	F _{ax} [kN]	moment Mbperm. [Nm]	Shaft P _W [N/mm ²]	Hub P _N [N/mm ²]			
24 x 50	51	45	41	16	M6	6	17	712	59	205	85	M6	6	14	505	42	420	242	82	0,54			
25 x 50	51	45	41	16	M6	6	17	742	59	197	85	M6	6	14	521	42	437	234	83	0,53			
28 x 55	51	45	41	16	M6	8	17	831	59	176	78	M6	8	14	811	58	490	270	107	0,50			
30 x 55	51	45	41	16	M6	8	17	1187	79	219	103	M6	8	14	856	57	525	255	109	0,47	●		
32 x 60	51	45	41	16	M6	8	17	1266	79	205	95	M6	8	14	899	56	560	242	101	0,77			
35 x 60	51	45	41	16	M6	8	17	1385	79	187	95	M6	8	14	960	55	612	224	102	0,71	●		
38 x 65	51	45	41	16	M6	10	17	1880	99	216	109	M6	10	14	1350	71	665	252	100	1,25			
40 x 65	51	45	41	16	M6	10	17	1979	99	205	109	M6	10	14	1404	70	700	242	101	1,21	●		
42 x 75	51	45	41	16	M8	8	41	3071	146	289	140	M8	8	35	2326	111	735	323	141	1,16			
45 x 75	51	45	41	16	M8	8	41	3290	146	269	140	M8	8	35	2463	109	787	304	142	1,08	●		
48 x 80	70	62	58	23	M8	8	41	3518	147	196	93	M8	8	35	2377	99	1708	212	101	1,45	●		
50 x 80	70	62	58	23	M8	8	41	3664	147	188	93	M8	8	35	2267	91	1779	196	97	1,38	●		
55 x 85	70	62	58	23	M8	8	41	4031	147	171	88	M8	8	35	2408	88	1957	182	93	1,49	●		
60 x 90	70	62	58	23	M8	10	41	5497	183	196	103	M8	10	35	3447	115	2134	202	107	1,60	●		
65 x 95	70	62	58	23	M8	10	41	5955	183	181	98	M8	10	35	3633	112	2312	190	103	1,70	●		
70 x 110	86	76	70	28	M10	10	83	10182	291	219	111	M10	10	69	6619	189	3659	222	113	3,12	●		
75 x 115	86	76	70	28	M10	10	83	10910	291	204	107	M10	10	69	6950	185	3920	210	110	3,29	●		
80 x 120	86	76	70	28	M10	12	83	13964	349	230	122	M10	12	69	9200	230	4181	231	123	3,46	●		
85 x 125	86	76	70	28	M10	12	83	14837	349	216	118	M10	12	69	9613	226	4443	220	120	3,64	●		
90 x 130	86	76	70	28	M10	12	83	15710	349	204	113	M10	12	69	10008	222	4704	210	116	3,81	●		
95 x 135	86	76	70	28	M10	12	83	16583	349	193	109	M10	12	69	10383	219	4965	201	113	3,98	●		
100 x 145	110	98	92	35	M12	12	145	25415	508	214	112	M12	12	120	16527	331	8587	219	115	6,12	●		
110 x 155	110	98	92	35	M12	12	145	27956	508	195	105	M12	12	120	17658	321	9445	203	110	6,62	●		
120 x 165	110	98	92	35	M12	14	145	35581	593	208	115	M12	14	120	22948	382	10304	214	119	7,12	●		
130 x 180	128	114	108	41	M14	12	230	45333	697	193	106	M14	12	190	28502	438	15350	201	110	9,98	●		
140 x 190	128	114	108	41	M14	14	230	56957	814	209	117	M14	14	190	36719	525	16531	215	120	10,62	●		
150 x 200	128	114	108	41	M14	16	230	69743	930	223	127	M14	16	190	45796	611	17712	226	129	11,26	●		
160 x 210	128	114	108	41	M14	16	230	74392	930	209	121	M14	16	190	47959	599	18893	215	124	11,91	●		
170 x 225	162	146	136	52	M16	14	355	96123	1131	189	109	M16	14	295	59316	698	32060	196	113	17,66	●		
180 x 235	162	146	136	52	M16	15	355	116317	1292	203	119	M16	15	295	67564	751	33946	198	116	18,49	●		
190 x 250	162	146	136	52	M16	16	355	122779	1292	193	112	M16	16	295	76340	804	35831	200	116	21,39	●		
200 x 260	162	146	136	52	M16	16	355	129241	1292	183	108	M16	16	295	78946	789	37717	192	113	22,36	●		
220 x 285	162	146	136	52	M16	18	355	177706	1616	208	123	M16	18	295	98472	895	41489	195	115	26,59	●		
240 x 305	162	146	136	52	M16	20	355	200324	1777	210	126	M16	20	295	120113	1001	45261	198	119	28,70	●		
260 x 325	166	150	134	52	M16	21	355	233398	1795	185	122	M16	21	295	145842	1122	48311	202	126	31,23			
280 x 355	197	177	165	66	M20	18	690	336303	2402	192	121	M20	18	580	210027	1500	81312	200	126	46,77			
300 x 375	197	177	165	66	M20	20	690	400360	2669	199	127	M20	20	580	253018	1687	87120	206	132	49,72			
320 x 405	197	177	165	66	M20	21	690	448404	2803	196	124	M20	21	580	281947	1762	92928	203	128	60,52			
340 x 425	197	177	165	66	M20	22	690	499116	2936	193	123	M20	22	580	312383	1838	98736	201	128	63,86			
360 x 455	224	202	190	76	M22	21	930	627940	3489	188	119	M22	21	780	389170	2162	138624	196	124	86,78			
380 x 475	224	202	190	76	M22	22	930	694389	3655	186	119	M22	22	780	429232	2259	146325	195	125	91,04			
400 x 495	224	202	190	76	M22	24	930	797384	3987	193	125	M22	24	780	498899	2494	154027	201	130	95,30			
420 x 515	224	202	190	76	M22	24	930	837254	3987	184	120	M22	24	780	515180	2453	161728	193	126	100			
440 x 535	224	202	190	76	M22	24	930	877123	3987	176	116	M22	24	780	530636	2412	169429	186	123	105			
460 x 555	224	202	190	76	M22	24	930	916992	3987	168	111	M22	24	780	545266	2371	177131	180	119	109			
480 x 575	224	202	190	76	M22	28	930	1116338	4651	188	125	M22	28	780	691858	2883	184832	196	131	114			
500 x 595	224	202	190	76	M22	28	930	1162852	4651	180	121	M22	28	780	710371	2841	192533	190	128	119			
520 x 615	224	202	190	76	M22	30	930	1295750	4984	186	126	M22	30	780	799984	3077	200235	195	132	112,5			
540 x 635	224	202	190	76	M22	30	930	1345586	4984	179	122	M22	30	780	819613	3036	207936	189	129	128			
560 x 655	224	202	190	76	M22	32	930	1488451	5316	184	126	M22	32	780	915876	3271	215637	193	132	131			
580 x 675	224	202	190	76	M22	32	930	1541610	5316	178	122	M22	32	780	936621	3230	223339	188	129	136			
600 x 695	224	202	190	76	M22	33	930	1644606	5482	177	122	M22	33	780	998037	3327	231040	188	130	139			

● Clamping sets available from stock.

¹⁾ External ring from size 400 x 495 without slot.

²⁾ 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.