

M_t = Transmissible torque per locking assembly

M_A = Tightening torque per screw

d_H = 3 auxiliary threads in the front thrust ring.
The screw heads are marked.
Not to be used for pullers.

P_{ax} = Transmissible axial force

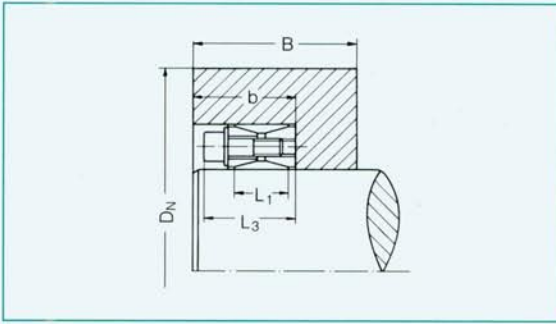
p_w p_N = Contact pressure between locking assembly and shaft
(p_w) resp. hub (p_N)

$L_2 - L_3$ are for unlocked assemblies

mm d x D	Nm M_t	kN P_{ax}	L ₁	L ₂	L ₃	Pieces	S	Nm M_A	N/mm ² p_w	N/mm ² p_N	Weight kg
17 x 47	274	32	17	20	27.5	8	M 6 x 18	17	296	110	0.23
18 x 47	290	32	17	20	27.5	8	M 6 x 18	17	280	110	0.23
19 x 47	306	32	17	20	27.5	8	M 6 x 18	17	265	110	0.23
20 x 47	320	32	17	20	27.5	8	M 6 x 18	17	255	110	0.23
22 x 47	360	32	17	20	27.5	8	M 6 x 18	17	237	110	0.23
24 x 50	387	33	17	20	27.5	8	M 6 x 18	17	210	101	0.26
25 x 50	402	33	17	20	27.5	8	M 6 x 18	17	201	101	0.25
28 x 55	678	48	17	20	27.5	12	M 6 x 18	17	270	137	0.3
30 x 55	726	48	17	20	27.5	12	M 6 x 18	17	252	137	0.29
32 x 60	774	48	17	20	27.5	12	M 6 x 18	17	236	128	0.32
35 x 60	850	48	17	20	27.5	12	M 6 x 18	17	219	128	0.32
38 x 60	1050	55	17	20	27.5	15	M 6 x 18	15	230	134	0.34
40 x 65	1110	55	17	20	27.5	15	M 6 x 18	17	219	134	0.34
42 x 75	1750	84	20	24	33.5	12	M 8 x 22	41	264	147	0.57
45 x 75	1880	84	20	24	33.5	12	M 8 x 22	41	246	147	0.57
48 x 80	2020	84	20	24	33.5	12	M 8 x 22	41	233	135	0.6
50 x 80	2070	83	20	24	33.5	12	M 8 x 22	41	223	135	0.6
55 x 85	2890	105	20	24	33.5	15	M 8 x 22	41	254	164	0.63
60 x 90	3160	105	20	24	33.5	15	M 8 x 22	41	233	155	0.69
65 x 95	3420	105	20	24	33.5	15	M 8 x 22	41	215	147	0.73
70 x 110	6070	173	24	28	39.5	15	M 10 x 25	83	274	175	1.26
75 x 115	6500	173	24	28	39.5	15	M 10 x 25	83	256	167	1.33
80 x 120	6900	173	24	28	39.5	15	M 10 x 25	83	240	160	1.4
85 x 125	7380	174	24	28	39.5	15	M 10 x 25	83	226	153	1.49
90 x 130	7800	174	24	28	39.5	15	M 10 x 25	83	214	178	1.53
95 x 135	9360	198	24	28	39.5	18	M 10 x 25	83	231	160	1.62
100 x 145	12800	256	26	33	47	15	M 12 x 30	145	262	180	2.01
110 x 155	14100	256	26	33	47	15	M 12 x 30	145	238	169	2.15
120 x 165	15200	263	26	33	47	16	M 12 x 30	145	215	157	2.35
130 x 180	20400	315	34	38	52	20	M 12 x 35	145	191	133	3.51
140 x 190	24200	345	34	38	52	22	M 12 x 35	145	191	145	3.85
150 x 200	28000	376	34	38	52	24	M 12 x 35	145	197	145	4.07
160 x 210	32500	406	34	38	52	26	M 12 x 35	145	197	151	4.03
170 x 225	39700	467	38	44	60	22	M 14 x 40	230	194	145	5.78
180 x 235	45700	508	38	44	60	24	M 14 x 40	230	200	151	6.05
190 x 250	56300	593	46	52	68	28	M 14 x 45	230	182	139	8.25
200 x 260	63500	635	46	52	68	30	M 14 x 45	230	182	139	8.65
220 x 285	81800	746	50	56	74	26	M 16 x 50	355	181	138	11.22
240 x 305	102900	860	50	56	74	30	M 16 x 50	355	193	150	12.2
260 x 325	125000	962	50	56	74	34	M 16 x 50	355	199	156	13.2
280 x 355	153000	1095	60	66	86.5	32	M 18 x 60	485	174	138	19.2
300 x 375	183000	1221	60	66	86.5	36	M 18 x 60	485	180	144	20.5
320 x 405	250000	1558	72	78	100.5	36	M 20 x 70	690	178	143	29.6
340 x 425	266500	1558	72	78	100.5	36	M 20 x 70	690	172	137	31.1
360 x 455	350500	1943	84	90	116	36	M 22 x 80	930	173	137	42.2
380 x 475	367000	1931	84	90	116	36	M 22 x 80	930	161	131	44
400 x 495	384000	1920	84	90	116	36	M 22 x 80	930	155	125	46
420 x 515	446000	2122	84	90	116	40	M 22 x 80	930	161	131	50
440 x 545	545000	2470	96	102	130	40	M 24 x 90	1200	155	126	64.6
460 x 565	565000	2450	96	102	130	40	M 24 x 90	1200	150	120	67.4
480 x 585	620000	2580	96	102	130	42	M 24 x 90	1200	150	120	71
500 x 605	670000	2680	96	102	130	44	M 24 x 90	1200	150	120	72.6

HUB OUTSIDE DIAMETER D_N AS A FACTOR OF THE YIELD POINT

(minimum theoretical values)



The values in the table for D_N apply to the use of one Locking Assembly TAS 3020

Width of the hub $B \geq 2 L_1$

Depth of the bore $b \geq L_3$

Hub section unweakened

d x D mm	PN N/mm ²	σ 0.2 N/mm ²								
		150	180	200	220	250	270	300	350	400
		GG-22	GG-26 GS-38 V2A-S V2A-E	GG-30 V4A-S GTS-35	GS-45 St 35 St 37-3 V4A-E	GS-52 GS-C 25 GGG-40 St 45	C 35 St 50-2 X8CrTi 17 AlCuNiC	GS-60 St 60-2 C 20 GTS-45	GS-62 St 70-2 St 52	GS-70 C 60 25CrMo4
20 x 47	110	76	70	68	65	62	62	60	58	56
25 x 50	116	84	75	72	70	68	65	64	62	60
30 x 55	116	92	84	80	78	74	72	70	68	66
35 x 60	128	106	95	90	88	84	82	78	75	74
40 x 65	134	120	106	100	96	92	90	86	82	80
45 x 75	147	148	130	122	115	110	105	102	98	95
50 x 80	135	148	130	124	118	112	110	106	102	100
55 x 85	152	165	150	140	132	125	122	118	112	108
60 x 90	140	170	150	142	135	128	124	120	116	112
65 x 95	152	190	168	156	148	140	135	132	125	120
70 x 110	154	210	195	182	172	162	158	152	145	140
75 x 115	148	228	198	186	176	168	164	158	150	144
80 x 120	142	230	202	190	182	172	168	162	155	150
85 x 125	154	245	220	208	195	185	180	172	165	158
90 x 130	148	258	225	210	200	190	185	178	170	165
95 x 135	160	270	245	230	218	205	198	188	180	175
100 x 145	157	285	260	245	230	220	210	202	192	185
110 x 155	145	305	265	248	238	225	220	210	200	195
120 x 165	157	310	298	278	262	248	238	230	220	210
130 x 180	133	328	290	278	265	252	245	238	228	222
140 x 190	145	370	325	305	290	275	268	258	248	238
150 x 200	145	390	340	320	305	290	280	270	260	250
160 x 210	151	410	368	345	328	308	300	290	275	265
170 x 225	145	438	382	358	345	325	315	305	292	282
180 x 235	151	450	410	385	365	345	335	325	308	300
190 x 250	139	468	415	390	375	355	345	335	320	310
200 x 260	139	488	430	408	388	370	360	348	335	325
220 x 285	138	532	472	445	425	402	392	380	365	355
240 x 305	150	570	528	495	470	448	430	415	398	385
260 x 325	156	620	580	540	515	482	470	450	430	415
280 x 355	138	662	588	552	530	502	488	475	455	442
300 x 375	144	725	635	600	570	540	525	508	485	470
320 x 405	143	780	682	640	615	580	565	545	525	508
340 x 425	137	790	700	660	630	600	585	562	540	525
360 x 455	137	845	748	708	675	642	625	602	580	560
380 x 475	131	852	760	720	690	658	645	625	600	580
400 x 495	125	858	775	735	710	675	660	640	615	600
420 x 515	131	925	826	780	750	715	700	675	650	630
440 x 545	126	950	852	815	780	742	725	705	678	660
460 x 565	120	955	865	825	800	765	742	725	695	680
480 x 585	120	990	896	855	825	790	768	750	720	705
500 x 605	120	1025	928	885	855	820	795	775	745	728