

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

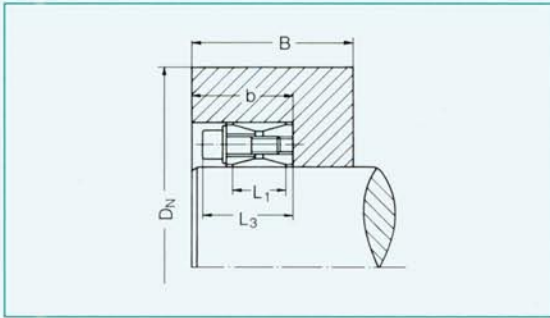
p_w p_N = Contact pressure between locking assembly and shaft
(p_w) resp. hub (p_N)

$L_2 - L_3$ are for unlocked assemblies

mm d x D	Nm M_t	kN P_{ax}	L ₁	mm L ₂	mm L ₃	Pieces	S	Nm M_A	N/mm ² p_w	N/mm ² p_N	Weight kg
20 x 47	270	27	17	20	27.5	8	M 6 x 18	14	210	90	0.24
22 x 47	300	27	17	20	27.5	8	M 6 x 18	14	195	90	0.23
24 x 50	360	30	17	20	27.5	8	M 6 x 18	14	195	95	0.26
25 x 50	380	30	17	20	27.5	8	M 6 x 18	14	190	95	0.25
28 x 55	470	33	17	20	27.5	12	M 6 x 18	14	185	95	0.30
30 x 55	500	33	17	20	27.5	12	M 6 x 18	14	175	95	0.29
35 x 60	700	40	17	20	27.5	12	M 6 x 18	14	180	105	0.32
40 x 65	920	46	17	20	27.5	15	M 6 x 18	14	180	110	0.34
45 x 75	1610	72	20	24	33.5	12	M 8 x 22	35	210	125	0.57
50 x 80	1770	71	20	24	33.5	12	M 8 x 22	35	190	115	0.6
55 x 85	2270	83	20	24	33.5	15	M 8 x 22	35	200	130	0.63
60 x 90	2470	83	20	24	33.5	15	M 8 x 22	35	180	120	0.69
65 x 95	3040	93	20	24	33.5	15	M 8 x 22	35	190	130	0.73
70 x 110	4600	132	24	28	39.5	15	M 10 x 25	70	210	130	1.26
75 x 115	4900	131	24	28	39.5	15	M 10 x 25	70	195	125	1.33
80 x 120	5200	131	24	28	39.5	15	M 10 x 25	70	180	120	1.4
85 x 125	6300	148	24	28	39.5	15	M 10 x 25	70	195	130	1.49
90 x 130	6600	147	24	28	39.5	15	M 10 x 25	70	180	125	1.53
95 x 135	7900	167	24	28	39.5	18	M 10 x 25	70	195	135	1.62
100 x 145	9600	192	26	33	47	15	M 12 x 30	125	195	135	2.01
110 x 155	10500	191	26	33	47	15	M 12 x 30	125	180	125	2.15
120 x 165	13100	218	26	33	47	16	M 12 x 30	125	185	135	2.35
130 x 180	17600	272	34	38	52	20	M 12 x 35	125	165	115	3.51
140 x 190	20900	298	34	38	52	22	M 12 x 35	125	165	125	3.85
150 x 200	24200	324	34	38	52	24	M 12 x 35	125	170	125	4.07
160 x 210	28000	350	34	38	52	26	M 12 x 35	125	170	130	4.03
170 x 225	32800	386	38	44	60	22	M 14 x 40	190	160	120	5.78
180 x 235	37800	420	38	44	60	24	M 14 x 40	190	165	125	6.05
190 x 250	46500	490	46	52	68	28	M 14 x 45	190	150	115	8.25
200 x 260	52500	525	46	52	68	30	M 14 x 45	190	150	115	8.65
220 x 285	68000	620	50	56	74	26	M 16 x 50	295	150	115	11.22
240 x 305	85500	715	50	56	74	30	M 16 x 50	295	160	125	12.2
260 x 325	104000	800	50	56	74	34	M 16 x 50	295	165	130	13.2
280 x 355	128000	915	60	66	86.5	32	M 18 x 60	405	145	115	19.2
300 x 375	153000	1020	60	66	86.5	36	M 18 x 60	405	150	120	20.5
320 x 405	210000	1310	72	78	100.5	36	M 20 x 70	580	150	120	29.6
340 x 425	224000	1310	72	78	100.5	36	M 20 x 70	580	145	115	31.1
360 x 455	294000	1630	84	90	116	36	M 22 x 80	780	145	115	42.2
380 x 475	308000	1620	84	90	116	36	M 22 x 80	780	135	110	44
400 x 495	322000	1610	84	90	116	36	M 22 x 80	780	130	105	46
420 x 515	374000	1780	84	90	116	40	M 22 x 80	780	135	110	50
440 x 545	455000	2060	96	102	130	40	M 24 x 90	1000	130	105	64.6
460 x 565	470000	2040	96	102	130	40	M 24 x 90	1000	125	100	67.4
480 x 585	515000	2160	96	102	130	42	M 24 x 90	1000	125	100	71
500 x 605	560000	2240	96	102	130	44	M 24 x 90	1000	125	100	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 A

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 St 50-2 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	90	69	65	62	61	59	58	57	55	54
25 x 50	95	75	70	67	66	63	62	61	59	58
30 x 55	95	82	77	74	72	69	68	67	65	64
35 x 60	105	96	87	84	81	78	76	74	72	71
40 x 65	110	105	96	92	89	85	84	81	79	77
45 x 75	125	130	117	111	107	103	100	97	93	91
50 x 80	115	132	120	114	111	106	104	101	98	95
55 x 85	130	151	136	128	123	118	115	111	107	104
60 x 90	120	152	138	131	126	121	118	115	111	108
65 x 95	130	169	152	143	138	132	128	124	120	116
70 x 110	130	196	176	166	160	152	149	144	138	134
75 x 115	125	200	180	171	165	157	153	148	143	139
80 x 120	120	203	184	175	169	161	158	154	148	144
85 x 125	130	223	199	189	181	173	169	164	158	153
90 x 130	125	226	203	193	186	178	173	168	162	157
95 x 135	135	247	219	208	199	189	185	178	172	166
100 x 145	135	265	236	223	214	203	198	192	184	178
110 x 155	125	269	242	230	222	212	206	200	193	187
120 x 165	135	302	268	254	243	231	225	218	209	203
130 x 180	115	297	270	257	259	240	234	228	220	214
140 x 190	125	330	296	282	272	269	252	245	237	230
150 x 200	125	347	312	297	286	273	266	258	249	242
160 x 210	130	374	335	317	304	291	284	275	265	257
170 x 225	120	380	344	328	316	302	296	288	278	270
180 x 235	125	408	366	349	336	321	313	303	292	284
190 x 250	115	413	375	357	346	333	325	316	305	298
200 x 260	115	430	390	372	360	346	338	329	317	310
220 x 285	115	470	428	408	395	379	370	360	348	339
240 x 305	125	530	475	453	436	416	405	394	380	369
260 x 325	130	578	518	490	472	450	440	425	410	396
280 x 355	115	585	533	507	492	472	462	450	433	423
300 x 375	120	642	572	545	526	505	493	480	462	450
320 x 405	120	693	618	590	568	545	533	517	500	486
340 x 425	115	700	636	610	588	564	553	537	519	506
360 x 455	115	748	680	653	630	605	592	575	556	542
380 x 475	110	762	700	670	646	623	610	594	576	562
400 x 495	105	790	715	690	665	640	630	615	595	585
420 x 515	110	828	758	726	705	675	660	650	625	608
440 x 545	105	853	786	755	732	705	695	675	655	640
460 x 565	100	865	800	770	750	725	715	695	675	660
480 x 585	100	895	825	800	775	750	740	715	695	680
500 x 605	100	925	855	825	805	775	765	740	720	705