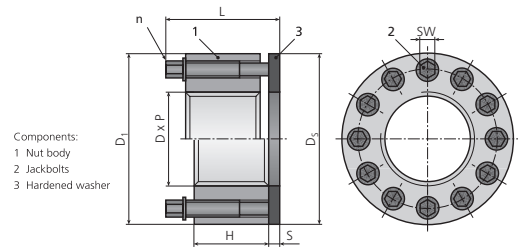


# GTS

## Nut-style tensioner super high-strength

GTS Series Tensioners are used for super-high-strength bolt loads on general mechanical applications.  
Suitable as ISO 898-2 class 10 replacement for use on grades 10.9 or equivalent stud/bolts.



Components:  
1 Nut body  
2 Jackbolts  
3 Hardened washer

Metric and imperial		Size			Nut body		Jackbolt		Hardened washer		Height	Weight		70% of 10.9 yield strength (reference)*		Preload capacity*
Part group	Part number	Thread D [mm] or [in.]	Available pitch or TPI			D <sub>1</sub> [mm]	H [mm]	n	SW [mm]	D <sub>s</sub> [mm]	S [mm]	tot L [mm]	est [kg]	Preload F [kN]	Torque M [Nm]	max [kN]
			P <sub>1</sub>	P <sub>2</sub>	P <sub>3</sub>											
1	GTS-M16x.../W	M16	2	1.5	1	42	25	4	6	42	5	45	0.32	105	26	195
	GTS-075-.../W	3/4	10	16	—											
2	GTS-M20x.../W	M20	2.5	1.5	1	46	25	6	6	46	5	45	0.36	160	27	290
	GTS-M22x.../W	M22	2.5	1.5	1											
3	GTS-087-.../W	7/8	9	14	—	51	25	9	6	51	5	45	0.35	200	33	290
	GTS-M24x.../W	M24	3	2	1.5											
4	GTS-100-.../W	1	8	12	14	60	31	7	8	60	6	58	0.46	230	26	435
	GTS-M27x.../W	M27	3	2	1.5											
5	GTS-112-.../W	1-1/8	7	8	12	64	32	8	8	64	6	58	0.42	160	27	290
	GTS-M30x.../W	M30	3.5	2	1.5											
6	GTS-125-.../W	1-1/4	7	8	12	68	32	10	8	68	6	58	0.75	325	59	535
	GTS-M33x.../W	M33	3.5	2	1.5											
7	GTS-137-.../W	1-3/8	6	8	12	75	38	8	10	75	8	70	0.73	370	66	535
	GTS-M36x.../W	M36	4	3	1.5											
8	GTS-150-.../W	1-1/2	6	8	12	79	39	9	10	79	8	70	0.85	415	65	610
	GTS-M39x.../W	M39	4	3	1.5											
9	GTS-162-.../W	1-5/8	6	8	12	83	40	10	10	83	8	70	0.95	495	62	760
	GTS-M42x.../W	M42	4.5	3	1.5											
10	GTS-175-.../W	1-3/4	5	8	12	83	40	10	10	83	8	70	0.93	535	68	760
	GTS-M45x.../W	M45	4.5	3	1.5											
11	GTS-187-.../W	1-7/8	6	8	12	90	46	9	12	90	8	85	1.41	600	113	935
	GTS-M48x.../W	M48	5	3	1.5											
12	GTS-200-.../W	2	4.5	8	12	95	47	10	12	95	8	85	1.39	640	121	935
	GTS-M52x.../W	M52	5	3	2											
13	GTS-225-.../W	2-1/4	5.5	4	2	102	50	12	12	102	8	85	1.58	715	119	1,050
	GTS-M56x.../W	M56	5.5	4	2											
14	GTS-250-.../W	2-1/2	4.5	8	12	112	59	11	14	112	10	101	1.72	815	122	1,170
	GTS-M60x.../W	M60	5.5	4	2											
15	GTS-275-.../W	2-3/4	4	8	12	116	59	12	14	116	10	101	1.71	860	129	1,170
	GTS-M64x.../W	M64	6	4	2											
16	GTS-300-.../W	3	6	4	2	118	61	13	14	118	10	101	2.38	985	192	1,400
	GTS-M68x.../W	M68	6	4	2											
17	GTS-325-.../W	3-1/4	4	8	12	125	62	14	14	125	10	101	2.37	970	189	1,400
	GTS-M72x.../W	M72	6	4	2											
18	GTS-350-.../W	3-1/2	6	4	2	138	62	16	14	138	10	101	2.69	1,070	188	1,560
	GTS-M76x.../W	M76	6	4	2											
19	GTS-375-.../W	3-3/4	4	6	8	140	72	14	16	140	12	116	3.04	1,390	203	1,870
	GTS-M80x.../W	M80	6	4	2											
20	GTS-400-.../W	4	6	8	8	152	72	16	16	152	12	116	4.53	1,550	282	2,330
	GTS-M85x.../W	M85	6	4	2											
21	GTS-M90x.../W	M90	6	4	2	160	75	17	16	160	12	116	4.35	1,710	310	2,330
	GTS-M90x.../W	M90	6	4	2											
22	GTS-M100x.../W	M100	6	4	2	186	75	20	16	186	16	120	4.84	2,110	301	2,970
	GTS-M100x.../W	M100	6	4	2											
22	GTS-400-.../W	4	4	6	8	186	75	20	16	186	16	120	5.62	2,110	301	2,970
	GTS-400-.../W	4	4	6	8											

\* All preload and torque values are provided for general reference. Applied preload plus additional bolt load from service should not exceed the maximum bolt or stud capacity. Contact your local Nord-Lock sales office for assistance in determining proper preload and torque settings for your application.

- Other sizes, thread pitches or thread per inch (TPI) may be available.

- Dimensions listed are representative.