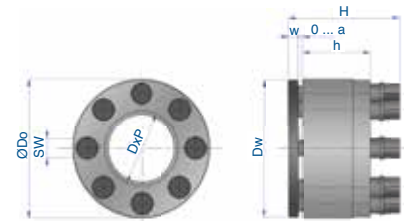


HEICO-TEC® TENSION NUT PRODUCT OVERVIEW (METRIC SIZES)



STRENGTH CLASS 8

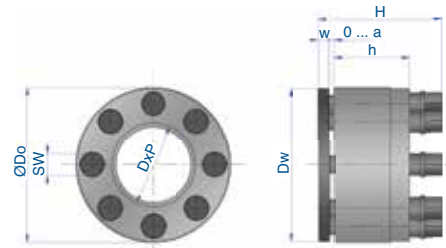
Type	Nut body			Pressure bolts		Washer		Tension nut		Torque	Preload	
	Thread DXP	Outer-Ø D _o [mm]	Height h [mm]	Quantity n	Width across flats SW [mm]	Outer-Ø D _o [mm]	Thickness w [mm]	Total height H [mm]	Tensioning stroke a [mm]	Nominal* M _n [Nm]	Nominal** F _{nom} [kN]	Maximum*** F _{max} [kN]
HTM-M20x2,5/8	M20x2,5	40	20	7	6	39	4	37	4,5	12	125	160
HTM-M22x2,5/8	M22x2,5	42	20	8	6	41	4	37	4,5	14	165	190
HTM-M24x3/8	M24x3	44	20	10	6	43	4	37	4,5	13	195	225
HTM-M27x3/8	M27x3	50	24	8	7	49	4	42	5,0	24	245	285
HTM-M30x3,5/8	M30x3,5	56	28	9	8	55	5	50	5,5	30	300	360
HTM-M33x3,5/8	M33x3,5	59	28	10	8	58	5	50	5,5	33	365	445
HTM-M36x4/8	M36x4	69	35	7	10	68	5	60	7,5	70	440	525
HTM-M39x4/8	M39x4	72	35	8	10	71	5	60	7,5	73	525	625
HTM-M42x4,5/8	M42x4,5	75	35	9	10	74	5	60	7,5	74	600	720
HTM-M45x4,5/8	M45x4,5	84	42	8	12	83	6	73	9,5	115	685	840
HTM-M48x5/8	M48x5	87	42	9	12	86	6	73	9,5	120	805	945
HTM-M52x5/8	M52x5	91	42	10	12	90	6	73	9,5	125	930	1125
HTM-M56x5,5/8	M56x5,5	102	52	8	14	101	8	87	10,5	205	1095	1300
HTM-M60x5,5/8	M60x5,5	106	52	9	14	105	8	87	10,5	210	1260	1500
HTM-M64x6/8	M64x6	110	52	10	14	109	8	87	10,5	215	1435	1665
HTM-M68x6/8	M68x6	120	64	9	16	119	8	104	12,5	315	1645	1930
HTM-M72x6/8	M72x6	124	64	10	16	123	8	104	12,5	320	1855	2145
HTM-M76x6/8	M76x6	128	64	12	16	127	8	104	12,5	300	2090	2490
HTM-M80x6/8	M80x6	132	76	13	16	131	8	116	12,5	310	2340	2780
HTM-M85x6/8	M85x6	137	76	15	16	136	8	116	12,5	305	2655	3170
HTM-M90x6/8	M90x6	149	88	13	18	148	10	130	12,5	445	3005	3580
HTM-M95x6/8	M95x6	154	88	15	18	153	10	130	12,5	430	3350	4020
HTM-M100x6/8	M100x6	159	88	16	18	158	10	130	12,5	450	3740	4480
HTM-M105x6/8	M105x6	170	100	14	20	169	10	147	14,5	635	4165	4965
HTM-M110x6/8	M110x6	175	100	15	20	174	10	147	14,5	650	4570	5400
HTM-M115x6/8	M115x6	186	112	17	20	185	10	159	14,5	630	5020	6015
HTM-M120x6/8	M120x6	195	112	18	20	194	10	159	14,5	655	5525	6490
HTM-M125x6/8	M125x6	203	124	14	21	202	12	176	18,5	910	6000	7125
HTM-M130x6/8	M130x6	208	124	16	21	207	12	176	18,5	860	6510	7775
HTM-M140x6/8	M140x6	215	124	18	21	214	12	176	18,5	895	7600	9075
HTM-M150x6/8	M150x6	236	139	20	21	235	12	191	18,5	930	8775	10190
HTM-M160x6/8	M160x6	272	139	23	21	271	12	191	18,5	925	10030	11735

* Tightening torque per pressure bolt

** approx. 2/3 of the breaking load of a bolt of strength class 8.8 (tested according to ISO 898-2 up to M120)

*** F_{Vmax} is the maximum bolt load (FS) that the locknut can withstand (i.e. preload + additional bolt load). This force value must not be exceeded. In the event that larger forces have to be generated or endured, the use of HEICO-TEC® strength class 10 is recommended.

HEICO-TEC® TENSION NUT PRODUCT OVERVIEW (METRIC SIZES)



STRENGTH CLASS 10

Type	Nut body						Pressure bolts		Washer		Tension nut		Torque Nominal* M _A [Nm]	Preload	
	Thread D	Pitch P			Outer-Ø D _o [mm]	Height h [mm]	Quantity n	Width across flats SW [mm]	Outer-Ø D _w [mm]	Thickness w [mm]	Total height H [mm]	Tensioning stroke a [mm]		Nominal** F _{Vnom} [kN]	Maximum*** F _{Vmax} [kN]
HTM-M20x.../10	M20	2,5	2	1,5	40	20	10	6	39	4	37	4,5	12	180	220
HTM-M22x.../10	M22	2,5	2	1,5	42	20	12	6	41	4	37	4,5	13	235	265
HTM-M24x.../10	M24	3,0	2	1,5	46	24	9	7	45	4	42	5,0	22	260	320
HTM-M27x.../10	M27	3,0	2	1,5	50	24	12	7	49	4	42	5,0	22	350	410
HTM-M30x.../10	M30	3,5	2	1,5	56	28	12	8	55	5	50	5,5	31	425	505
HTM-M33x.../10	M33	3,5	2	1,5	66	33	8	10	65	5	56	5,5	70	515	625
HTM-M36x.../10	M36	4,0	3	1,5	69	35	10	10	68	5	60	7,5	67	620	740
HTM-M39x.../10	M39	4,0	3	1,5	72	35	12	10	71	5	60	7,5	66	725	880
HTM-M42x.../10	M42	4,5	3	1,5	81	40	10	12	80	6	69	7,5	110	845	1010
HTM-M45x.../10	M45	4,5	3	1,5	84	42	11	12	83	6	73	9,5	115	975	1180
HTM-M48x.../10	M48	5,0	3	1,5	88	42	12	12	87	6	73	9,5	120	1110	1330
HTM-M52x.../10	M52	5,0	3	2,0	98	50	11	14	97	8	84	9,5	180	1320	1585
HTM-M56x.../10	M56	5,5	4	2,0	102	52	12	14	101	8	87	10,5	190	1520	1830
HTM-M60x.../10	M60	5,5	4	2,0	110	52	13	14	109	8	87	10,5	205	1780	2130
HTM-M64x.../10	M64	6,0	4	2,0	116	60	12	16	115	8	100	12,5	290	2020	2420
HTM-M68x.../10	M68	6,0	4	2,0	120	64	13	16	119	8	104	12,5	305	2300	2750
HTM-M72x.../10	M72	6,0	4	2,0	134	64	12	18	133	10	106	12,5	415	2585	3120
HTM-M76x.../10	M76	6,0	4	2,0	138	72	13	18	137	10	115	13,5	435	2935	3510
HTM-M80x.../10	M80	6,0	4	2,0	147	72	14	18	146	10	115	13,5	450	3270	3910
HTM-M85x.../10	M85	6,0	4	2,0	150	84	13	20	149	10	131	14,0	505	3700	4460
HTM-M90x.../10	M90	6,0	4	2,0	160	84	14	20	159	10	131	14,0	530	4185	5040
HTM-M95x.../10	M95	6,0	4	2,0	173	94	11	21	172	12	146	18,5	910	4700	5560
HTM-M100x.../10	M100	6,0	4	2,0	182	94	12	21	181	12	146	18,5	930	5245	6110

The exact article designation is generated by replacing the „...“ with the desired gradient.

* Tightening torque per pressure bolt

** approx. 2/3 of the breaking load of a bolt of strength class 8.8 (tested according to ISO 898-2 up to M120)

*** FV_{max} is the maximum bolt load (FS) that the locknut can withstand (i.e. preload + additional bolt load). This force value must not be exceeded.

In case that larger forces have to be generated or endured, the use of HEICO-TEC® strength class 10 is recommended. Contact HEICO to determine viable options.