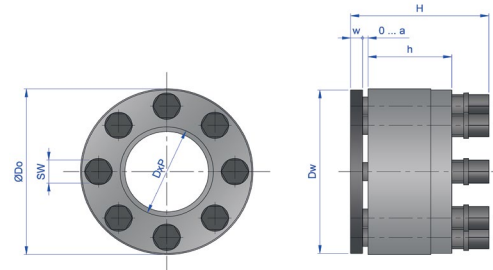


HEICO-TEC® PRODUCT OVERVIEW (METRIC SIZES)



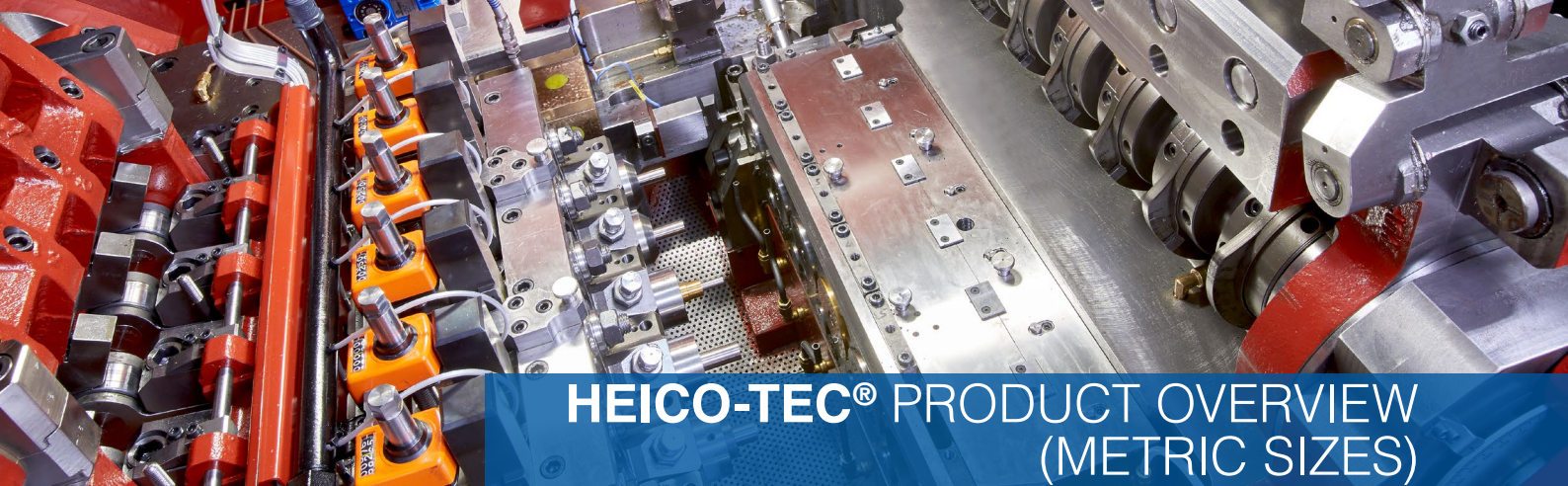
STRENGTH CLASS 8

type	nut body			pressure bolts		washer		tension nut		torque	preload	
	thread DxP	outer-Ø D ₀ mm	height h mm	quantity n	wrench/ socket size SW mm	Ø D _w mm	thickness w mm	total height H mm	tensioning stroke a mm	nominal* M _A Nm	nominal** F _{Vnom} kN	maximum** F _{Vmax} kN
HTM-M30x3,5/8	M30x3,5	56	28	9	8	55	5	50	5,5	29	305	360
HTM-M33x3,5/8	M33x3,5	59	28	10	8	58	5	50	5,5	32	375	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	710	840
HTM-M48x5/8	M48x5	87	42	9	12	86	6	73	9,5	115	795	945
HTM-M52x5/8	M52x5	91	42	10	12	90	6	73	9,5	125	935	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	129	13,5	445	3005	3580
HTM-M95x6/8	M95x6	154	88	15	18	153	10	129	13,5	430	3350	4020
HTM-M100x6/8	M100x6	159	88	16	18	158	10	129	13,5	450	3740	4480
HTM-M105x6/8	M105x6	170	100	14	20	169	10	145	14,5	635	4165	4985
HTM-M110x6/8	M110x6	175	100	15	20	174	10	145	14,5	650	4570	5400
HTM-M115x6/8	M115x6	186	112	17	20	185	10	157	14,5	630	5020	6015
HTM-M120x6/8	M120x6	197	112	18	20	196	10	157	14,5	655	5525	6490

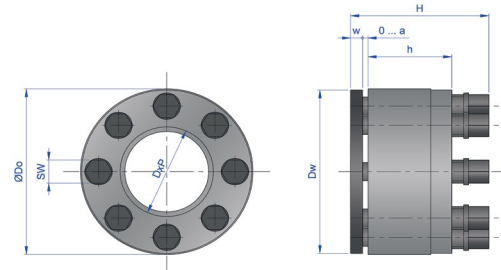
* Tightening torque for each pressure bolt. Tightening torque and preload are proportional, i.e. half the tightening torque results in half the preload

** approx. 2/3 of the ultimate tensile load of the bolt from strength class 8.8

*** approx. elasticity limit of a bolt from strength class 8.8



HEICO-TEC® PRODUCT OVERVIEW (METRIC SIZES)



STRENGTH CLASS 10

type	nut body		pressure bolts		washer		tension nut		torque	preload			
	thread DxP	pitch P	outer-Ø D _o mm	height h mm	quantity n	wrench/ socket size SW mm	Ø D _w mm	thick- ness w mm	total height H mm	tensioning stroke a mm	nominal* M _A Nm	nominal** F _{Vnom} kN	maximum** F _{Vmax} kN
HTM-M30x.../10	M30	3,5 2 1,5	56	28	12	8	55	5	50	5,5	30	420	505
HTM-M33x.../10	M33	3,5 2 1,5	66	33	8	10	65	5	56	5,5	72	520	625
HTM-M36x.../10	M36	4 3 1,5	69	35	10	10	68	5	60	7,5	68	615	740
HTM-M39x.../10	M39	4 3 1,5	72	35	12	10	71	5	60	7,5	67	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 3 1,5	88	42	12	12	87	6	73	9,5	120	1110	1330
HTM-M52x.../10	M52	5 3 2	98	50	11	14	97	8	84	9,5	180	1320	1585
HTM-M56x.../10	M56	5,5 4 2	102	52	12	14	101	8	87	10,5	190	1520	1830
HTM-M60x.../10	M60	5,5 4 2	110	52	13	14	109	8	87	10,5	205	1780	2130
HTM-M64x.../10	M64	6 4 2	116	60	12	16	115	8	100	12,5	290	2020	2420
HTM-M68x.../10	M68	6 4 2	120	64	13	16	119	8	104	12,5	305	2300	2750
HTM-M72x.../10	M72	6 4 2	134	64	12	18	133	10	103	12,5	415	2585	3120
HTM-M76x.../10	M76	6 4 2	138	72	13	18	137	10	112	13,5	435	2935	3510
HTM-M80x.../10	M80	6 4 2	147	72	14	18	146	10	114	13,5	450	3270	3910
HTM-M85x.../10	M85	6 4 2	152	84	13	20	151	10	130	15,5	610	3715	4460
HTM-M90x.../10	M90	6 4 2	159	84	14	20	158	10	130	15,5	640	4200	5040

The final type number is generated by substituting the “..” by the respective thread pitch

* Tightening torque for each pressure bolt. Tightening torque and preload are proportional, i.e. half the tightening torque results in half the preload.

** approx. 3/4 of the ultimate tensile load of a bolt from strength class 10.9

*** approx. elasticity limit of a bolt from strength class 10.9