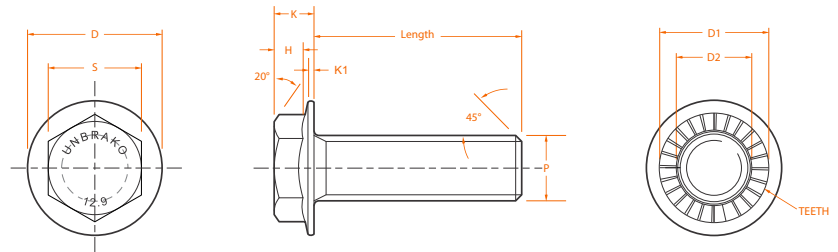




Durlok free spinning self-locking bolts are designed with long, ramp shaped, radial teeth blended evenly into a smooth slightly conical outer surface. Reusable. Self-locking. Anti-vibration.

Mechanical Properties

Property Class: 12.9
 Material: Alloy Steel ISO 898-1
 Hardness: 40 - 43HRc
 Tensile Strength: 1220N/mm² min
 Thread class: 6g
 Threads: ANSI B1.13M, ISO 261, ISO 262 (coarse series only)



Product Dimensions

Size	D max	D1 min	D2	K nom	K1 min	H min	S max	P max	Length ref
M5	12	11.0	5.5	4.5	1.0	2.09	8	3.65	50.0
M6	14	11.8	6.6	5.2	1.1	2.69	10	4.35	50.0
M8	18	15.2	9.0	7.2	1.3	4.21	13	5.90	60.0
M10	21	17.2	11.0	9.0	1.6	5.47	15	7.50	60.0
M12	25	20.6	14.0	11.0	1.9	6.71	17	9.10	80.0
M14	28	22.8	16.0	12.5	2.2	7.65	19	10.65	80.0
M16	32	25.5	18.0	16.0	3.8	9.27	22	12.55	100.0
M20	39	31.2	22.0	18.0	3.1	11.86	27	15.70	100.0

Application Data

Size	Stress Area mm ²	Proof Load (N)	Load at yield (N)	load at min UTS (N)	Induced preload (N)	Tightening Torque Tmax (Nm) for μ head of		
						0.125	0.16	0.2
M5	14.2	13,750	15,600	17,300	11,300	10.8	12.4	14.2
M6	20.1	19,500	22,100	24,500	15,950	18.2	21.0	24.0
M8	36.6	35,500	40,300	44,600	29,300	44.0	50.0	58.0
M10	58.0	56,300	63,800	70,800	46,600	84.0	96.0	109.0
M12	84.3	81,800	92,700	102,800	68,000	148.0	169.0	194.0
M14	115.0	111,500	126,500	140,000	93,000	233.0	266.0	304.0
M16	157.0	152,000	172,500	191,500	129,000	362.0	413.0	472.0
M20	245.0	238,000	270,000	299,000	201,000	695.0	797.0	913.0

Note
 *Fmax for μ thread =0.125

Marking

