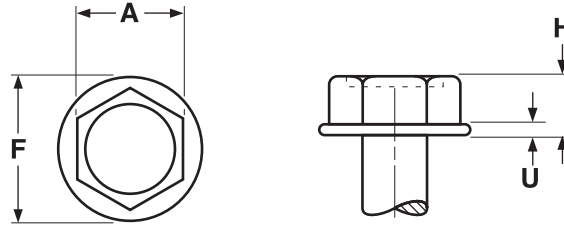


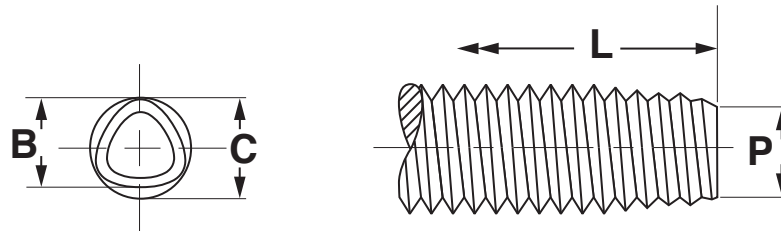
METRIC FASTENERS

**DIN 7500~D**  
**Head Dimensions per Bossard** **THREAD FORMING SCREWS**



METRIC - UNSLOTTED HEX WASHER DIN 7500~D HEAD								
Nominal Size	Thread Pitch	A		H		F		U
		Width Across the Flats		Height of Head		Washer Diameter		Washer Thickness
		Max	Min	Max	Min	Max	Min	Max
M2.5 •	0.45	4.00	3.82	2.70	1.58	5.60	5.00	0.50
M3 •	0.5	5.00	4.78	2.40	2.10	6.50	6.10	0.60
M4	0.7	7.00	6.78	4.23	3.75	8.90	8.40	0.65
M5	0.8	8.00	7.78	5.25	4.77	10.40	10.00	0.80
M6	1.0	10.00	9.78	6.25	5.67	13.00	12.00	1.05
M8	1.25	13.00	12.73	8.35	7.77	17.00	16.40	1.35

• Bossard does not list dimensions for nominal diameters below M4.



METRIC - TRILOBULAR THREAD ROLLING SCREWS									DIN 7500-1
Nominal Size & Thread Pitch	C		B		Test Plate Thickness	Hole Diameter	Minimum Breaking Torque	Minimum Breaking Force	Maximum Rolling Torque
	Diameter of Circumscribing Circle		Major Thread Diameter						
	Max	Min	Max	Min					
M2.5-0.45	2.57	2.48	2.48	2.39	2.5	2.3	1	2700	0.6
M3-0.5	3.07	2.98	2.97	2.88	3.0	2.75	1.5	4000	1
M4-0.7	4.08	3.98	3.94	3.84	4.0	3.6	3.4	7000	2.4
M5-0.8	5.09	4.98	4.93	4.82	5.0	4.6	7.1	11,400	4.7
M6-1.0	6.10	5.97	5.90	5.77	6.0	5.5	12	16,000	8
M8-1.25	8.13	7.97	7.88	7.72	8.0	7.4	29	29,000	20

Tolerance on Length	3-6mm: ±0.375	over 6-10mm: ±0.45	over 10-18mm: ±0.55
	over 18-30mm: ±0.65	over 30 - 50mm: ±0.80	over 50-80: ±0.95

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