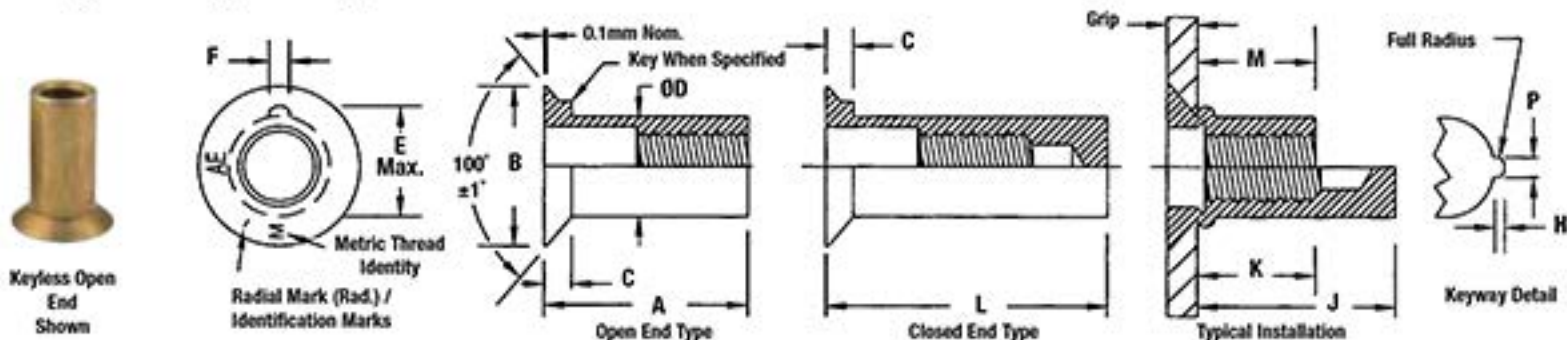


MaxTite® COUNTERSUNK HEAD — METRIC

- Designed for high load applications. Countersunk feature allow fastener to be installed flush with sheet surface.



All dimensions are in millimeters.

See page AE-43 for part number key.

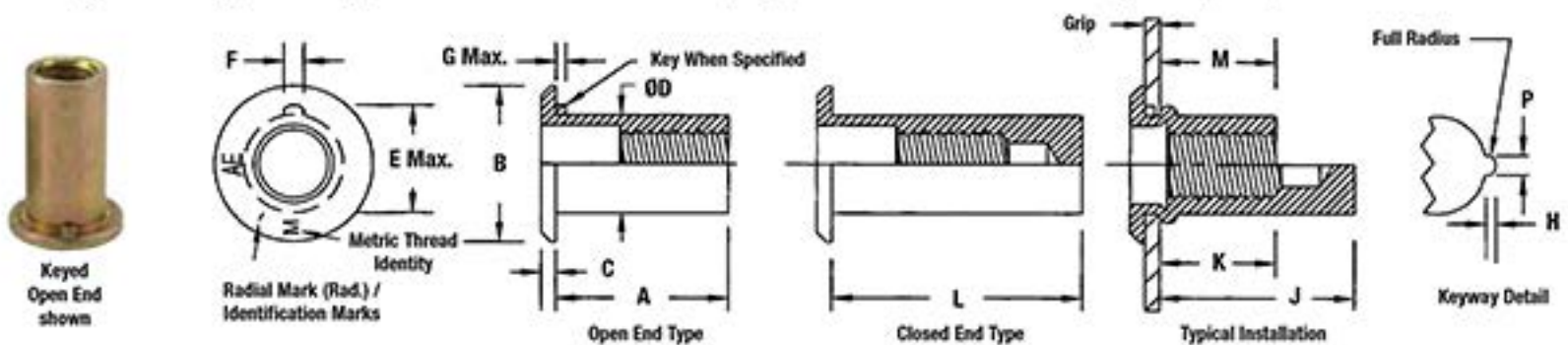
Thread Size x Pitch	B Ref.	C Max.	OD -0.1	E Max.	F +0.13	Install Drill Size (Ref.)	Install Hole Size		Keyway Dimensions		Pull Up Factor
							Min.	Max.	P +0.08	H	
M4 x 0.7	9.01	1.6	5.61	6.88	1.37	5.6	5.6	5.74	1.57	1.42 - 1.47	1.9
M5 x 0.8	11.17	1.83	7.13	8.73	1.85	7.2	7.2	7.3	2.06	1.7 - 1.75	2.4
M6 x 1	13.43	2.26	8.43	10.33	2.23	8.5	8.5	8.6	2.44	2.06 - 2.13	2.92
M8 x 1.25	16.65	2.64	10.48	12.82	3.05	10.5	10.5	10.75	3.25	2.46 - 2.59	3.18
M10 x 1.5	19.50	3.15	12.44	15.15	3.05	12.5	12.5	12.7	3.25	2.79 - 2.92	3.94
M12 x 1.75	22.79	3.15	15.88	18.6	3.05	15.9	15.9	16.13	3.25	2.79 - 2.92	4.7

Thread-Grip Number	Grip Range	Indent. Mark	Open End Keyed and Keyless				Closed End Keyed and Keyless					
			A ±0.38	M Ref.	Wt. (lbs./1000)		L ±0.38	J Ref.	K Ref.	Wt. (lbs./1000)		
					Alum.	Steel				Alum.	Steel	
M4 - 3.1	1.6 - 3.1	Blank	12	6.98	1	3	16.5	11.5	6.98	1.5	4.6	
M4 - 4.1	3.1 - 4.1	1 Rad.	13	6.98	1	3.2	17.5	11.5	6.98	1.6	4.7	
M4 - 5.1	4.1 - 5.1	2 Rad.	14	6.98	1.1	3.4	18.5	11.5	6.98	1.6	4.8	
M4 - 6.1	5.1 - 6.1	3 Rad.	15	6.98	1.1	3.5	19.5	11.5	6.98	1.6	5	
M4 - 7.1	6.1 - 7.1	4 Rad.	16	6.98	1.2	3.7	20.5	11.5	6.98	1.7	5.2	
M4 - 8.1	7.1 - 8.1	5 Rad.	17	6.98	1.2	3.8	21.5	11.5	6.98	1.8	5.3	
M5 - 3.6	1.8 - 3.6	Blank	16	9.98	2.1	6.3	22	15.97	9.98	3.1	9.5	
M5 - 5.1	3.6 - 5.1	1 Rad.	17.5	9.98	2.2	6.6	23.5	15.97	9.98	3.2	9.8	
M5 - 6.6	5.1 - 6.6	2 Rad.	19	9.98	2.3	7	25	15.97	9.98	3.3	10.1	
M5 - 8.1	6.6 - 8.1	3 Rad.	20.5	9.98	2.4	7.3	26.5	15.97	9.98	3.4	10.5	
M5 - 9.6	8.1 - 9.6	4 Rad.	22	9.98	2.5	7.6	28	15.97	9.98	3.5	10.8	
M5 - 11.1	9.6 - 11.1	5 Rad.	23.5	9.98	2.6	8	29.5	15.97	9.98	3.7	11.2	
M6 - 4.1	2.25 - 4.1	Blank	18	10.96	3.3	10.1	25	17.97	10.96	5	15.1	
M6 - 5.6	4.1 - 5.6	1 Rad.	19.5	10.96	3.5	10.6	26.5	17.97	10.96	5.1	15.6	
M6 - 7.1	5.6 - 7.1	2 Rad.	21	10.96	3.6	11.1	28	17.97	10.96	5.3	16	
M6 - 8.6	7.1 - 8.6	3 Rad.	22.5	10.96	3.8	11.6	29.5	17.97	10.96	5.4	16.5	
M6 - 10.1	8.6 - 10.1	4 Rad.	24	10.96	4	12.2	31	17.97	10.96	5.6	17.1	
M6 - 11.6	10.1 - 11.6	5 Rad.	25.5	10.96	4.2	12.7	32.5	17.97	10.96	5.8	17.7	
M8 - 5.1	2.69 - 5.1	Blank	20.5	12.23	5.2	15.9	28.5	20.23	12.23	7.9	24.2	
M8 - 7.1	5.1 - 7.1	1 Rad.	22.5	12.23	5.5	16.7	30.5	20.23	12.23	8.3	25.2	
M8 - 9.1	7.1 - 9.1	2 Rad.	24.5	12.23	5.8	17.7	32.5	20.23	12.23	8.5	26	
M8 - 11.1	9.1 - 11.1	3 Rad.	26.5	12.23	6.1	18.6	34.5	20.23	12.23	8.9	27	
M8 - 13.1	11.1 - 13.1	4 Rad.	28.5	12.23	6.4	19.6	36.5	20.23	12.23	9.1	27.8	
M8 - 15.1	13.1 - 15.1	5 Rad.	30.5	12.23	6.7	20.4	38.5	20.23	12.23	9.5	28.9	
M10 - 6.1	3.17 - 6.1	Blank	23	12.72	7.6	23.1	31.5	21.47	12.72	11.4	34.7	
M10 - 8.6	6.1 - 8.6	1 Rad.	25.5	12.72	8	24.4	34	21.47	12.72	11.8	36	
M10 - 11.1	8.6 - 11.1	2 Rad.	28	12.72	8.4	25.7	36.5	21.47	12.72	12.2	37.2	
M10 - 13.6	11.1 - 13.6	3 Rad.	30.5	12.72	8.9	27	39	21.47	12.72	12.7	38.6	
M10 - 16.1	13.6 - 16.1	4 Rad.	33	12.72	9.3	28.4	41.5	21.47	12.72	13.1	39.8	
M12 - 6.1	3.17 - 6.1	Blank	27	16.35	14.2	43.2	35	24.34	16.35	20.3	61.7	
M12 - 8.6	6.1 - 8.6	1 Rad.	29.5	16.35	15.1	46	37.5	24.34	16.35	21.1	64.4	
M12 - 11.1	8.6 - 11.1	2 Rad.	32	16.35	15.9	48.3	40	24.34	16.35	21.9	66.8	
M12 - 13.6	11.1 - 13.6	3 Rad.	34.5	16.35	16.9	51.4	42.5	24.34	16.35	22.9	69.8	
M12 - 16.1	13.6 - 16.1	4 Rad.	37	16.35	17.7	53.9	45	24.34	16.35	23.8	72.6	

Weights: For brass fasteners, multiply weight of aluminum equivalent by 3.13. Weights for CH (4037 alloy steel) and SS (Type 430 stainless steel) same as steel.

MaxTite® FLATHEAD — METRIC

- Designed for high load applications. Available with rib, key or full hex features for high torque applications.



All dimensions are in millimeters.

See page AE-43 for part number key.

Thread Size x Pitch	B ±0.38	C Nom.	OD -0.1	E Max.	F +0.13	G Max.	Install Drill Size (Ref.)	Install Hole Size		Keyway Dimensions		Pull Up Factor
								Min.	Max.	P +0.08	H	
M4 x 0.7	9.01	0.81	5.61	6.88	1.37	0.58	5.6	5.6	5.74	1.57	1.42 - 1.47	1.9
M5 x 0.8	11.17	1.22	7.13	8.73	1.85	0.58	7.2	7.2	7.3	2.06	1.7 - 1.75	2.4
M6 x 1	13.43	1.47	8.43	10.33	2.23	0.89	8.5	8.5	8.6	2.44	2.06 - 2.13	2.9
M8 x 1.25	16.65	1.57	10.48	12.82	3.05	1.02	10.5	10.5	10.75	3.25	2.46 - 2.59	3.18
M10 x 1.5	19.5	2.23	12.44	15.15	3.05	1.02	12.5	12.5	12.7	3.25	2.79 - 2.92	3.94
M12 x 1.75	22.79	2.23	15.88	18.6	3.05	1.02	15.9	15.9	16.13	3.25	2.79 - 2.92	4.7

Thread-Grip Number	Grip Range	Indent. Mark	Open End Keyed and Keyless				Closed End Keyed and Keyless				
			A ±0.38	M Ref.	WL (lbs./1000)		L ±0.38	J Ref.	K Ref.	WL (lbs./1000)	
					Alum.	Steel				Alum.	Steel
M4 - 2.0	0.25 - 2	Blank	11	7.08	1	3.1	16	12.08	7.08	1.6	5
M4 - 3.0	2 - 3	1 Rad.	12	7.08	1.1	3.3	17	12.08	7.08	1.7	5.2
M4 - 4.0	3 - 4	2 Rad.	13	7.08	1.1	3.4	18	12.08	7.08	1.8	5.3
M4 - 5.0	4 - 5	3 Rad.	14	7.08	1.2	3.5	19	12.08	7.08	1.8	5.5
M4 - 6.0	5 - 6	4 Rad.	15	7.08	1.2	3.7	20	12.08	7.08	1.9	5.7
M4 - 7.0	6 - 7	5 Rad.	16	7.08	1.3	3.8	21	12.08	7.08	1.9	5.8
M5 - 2.0	0.25 - 2	Blank	14.5	10.09	2.2	6.6	20	15.6	10.09	3	9.3
M5 - 3.5	2 - 3.5	1 Rad.	16	10.09	2.3	6.9	21.5	15.6	10.09	3.2	9.6
M5 - 5.0	3.5 - 5	2 Rad.	17.5	10.09	2.4	7.2	23	15.6	10.09	3.2	9.9
M5 - 6.5	5 - 6.5	3 Rad.	19	10.09	2.5	7.5	24.5	15.6	10.09	3.4	10.3
M5 - 8.0	6.5 - 8	4 Rad.	20.5	10.09	2.6	7.9	26	15.6	10.09	3.5	10.6
M5 - 9.5	8 - 9.5	5 Rad.	22	10.09	2.7	8.2	27.5	15.6	10.09	3.6	11.1
M6 - 2.0	0.75 - 2	Blank	15.5	10.58	3.4	10.3	23	18.07	10.58	5.1	15.5
M6 - 3.5	2 - 3.5	1 Rad.	17	10.58	3.5	10.7	24.5	18.07	10.58	5.3	16
M6 - 5.0	3.5 - 5	2 Rad.	18.5	10.58	3.7	11.2	26	18.07	10.58	5.4	16.5
M6 - 6.5	5 - 6.5	3 Rad.	20	10.58	3.8	11.7	27.5	18.07	10.58	5.6	17
M6 - 8.0	6.5 - 8	4 Rad.	21.5	10.58	4	12.2	29	18.07	10.58	5.7	17.5
M6 - 9.5	8 - 9.5	5 Rad.	23	10.58	4.2	12.7	30.5	18.07	10.58	5.9	18
M8 - 3.0	0.75 - 3	Blank	18	11.83	5.2	15.9	26	19.82	11.83	7.9	24
M8 - 5.0	3 - 5	1 Rad.	20	11.83	5.7	16.9	28	19.82	11.83	8.2	25
M8 - 7.0	5 - 7	2 Rad.	22	11.83	5.9	17.9	30	19.82	11.83	8.6	26
M8 - 9.0	7 - 9	3 Rad.	24	11.83	6.2	19	32	19.82	11.83	8.9	27.2
M8 - 11.0	9 - 11	4 Rad.	26	11.83	6.5	19.7	34	19.82	11.83	9.1	27.8
M8 - 13.0	11 - 13	5 Rad.	28	11.83	6.8	20.8	36	19.82	11.83	9.5	28.8
M10 - 3.0	1 - 3	Blank	20	13.2	8	24.5	29	22.18	13.2	12.2	37.3
M10 - 5.5	3 - 5.5	1 Rad.	22.5	13.2	8.5	25.9	31.5	22.18	13.2	12.6	38.4
M10 - 8.0	5.5 - 8	2 Rad.	25	13.2	8.9	27	34	22.18	13.2	13.1	39.5
M10 - 10.5	8 - 10.5	3 Rad.	27.5	13.2	9.3	28.4	36.5	22.18	13.2	13.4	41
M10 - 13.0	10.5 - 13	4 Rad.	30	13.2	9.7	29.6	39	22.18	13.2	13.8	42.1
M12 - 3.0	1 - 3	Blank	24	16.45	14.9	45.5	32	24.44	16.45	21.1	64.1
M12 - 5.5	3 - 5.5	1 Rad.	26.5	16.45	15.9	48.3	34.5	24.44	16.45	21.9	66.7
M12 - 8.0	5.5 - 8	2 Rad.	29	16.45	16.6	50.7	37	24.44	16.45	22.7	69.3
M12 - 10.5	8 - 10.5	3 Rad.	31.5	16.45	17.6	53.5	39.5	24.44	16.45	23.6	71.9
M12 - 13.0	10.5 - 13	4 Rad.	34	16.45	18.5	56.3	42	24.44	16.45	24.5	74.7

Weights: For brass fasteners, multiply weight of aluminum equivalent by 3.13. Weights for CH (4037 alloy steel) and SS (Type 430 stainless steel) same as steel.