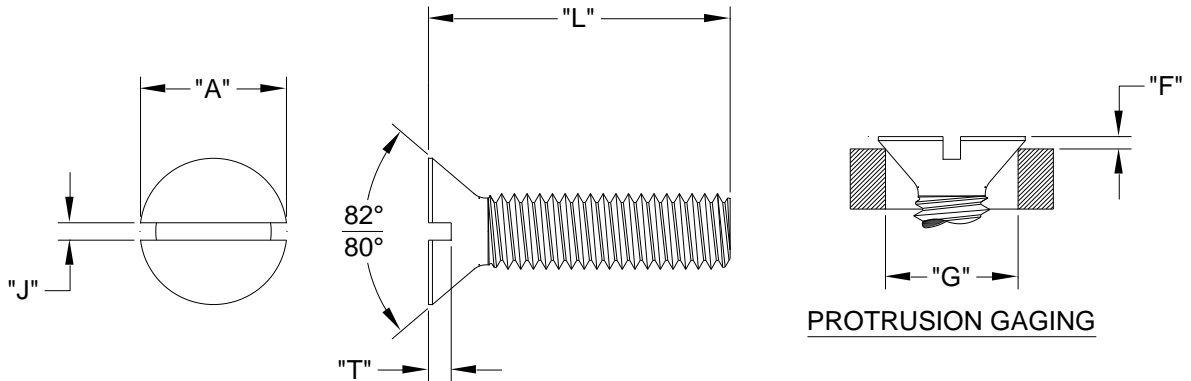


SLOTTED 82° FLAT HEAD MACHINE SCREW

XXXXSFMZ
APRIL, 2014
REV 00
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Nominal Screw Size	#0 Thru #12	1/4 Thru 3/4
Nominal Screw Length	Tolerance	
Up To & Including 1/2"	-0.02	-0.03
Over 1/2 To 1", Inclusive	-0.03	-0.03
Over 1" to 2", Inclusive	-0.06	-0.06
Over 2"	-0.09	-0.09



Nominal Screw Size	Basic Screw Size	Major Diameter		These Lengths or Shorter Are Undercut	"A" Head Diameter		"J" Slot Width		"T" Slot Depth		"G" Gaging Diameter		"F" Protrusion Height	
		Max.	Min.		Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		
#2 - 56	0.086	0.0860	0.0813	1/8	0.162	0.144	0.031	0.023	0.023	0.015	0.124	0.029	0.017	
#3 - 48	0.099	0.0990	0.0938	1/8	0.187	0.167	0.035	0.027	0.027	0.017	0.148	0.031	0.018	
#4 - 40	0.112	0.1120	0.1061	3/16	0.212	0.191	0.039	0.031	0.030	0.020	0.172	0.032	0.019	
#5 - 40	0.125	0.1250	0.1191	3/16	0.237	0.215	0.043	0.035	0.034	0.022	0.196	0.034	0.020	
#6 - 32	0.138	0.1380	0.1312	3/16	0.262	0.238	0.048	0.039	0.038	0.024	0.220	0.036	0.021	
#8 - 32	0.164	0.1640	0.1571	1/4	0.312	0.285	0.054	0.045	0.045	0.029	0.267	0.039	0.023	
#10 - 24	0.190	0.1900	0.1818	5/16	0.362	0.333	0.060	0.050	0.053	0.034	0.313	0.042	0.025	
#10 - 32		0.1900	0.1831											
#12 - 24	0.216	0.2160	0.2078	3/8	0.412	0.380	0.067	0.056	0.060	0.039	0.362	0.045	0.027	
1/4 - 20	0.250	0.2500	0.2408	7/16	0.477	0.442	0.075	0.064	0.070	0.046	0.424	0.050	0.029	
5/16 - 18	0.313	0.3125	0.3026	1/2	0.597	0.556	0.084	0.072	0.088	0.058	0.539	0.057	0.034	
3/8 - 16	0.375	0.3750	0.3643	9/16	0.717	0.670	0.094	0.081	0.106	0.070	0.653	0.065	0.039	
1/2 - 13	0.500	0.5000	0.4876	3/4	0.815	0.765	0.106	0.091	0.103	0.065	0.739	0.081	0.049	

Standard: ASME B18.6.3 Material: Carbon Steel, 60,000 psi Minimum Tensile Stress Finish: Commercial Zinc & ROHS Compliant Clear Chromate Per ASTM F1941 Code Fe/Zn 3A	Common Uses: Nuts, Tapped Holes, Threaded Inserts Use in applications where protrusion of the head above the mating surface is unacceptable
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