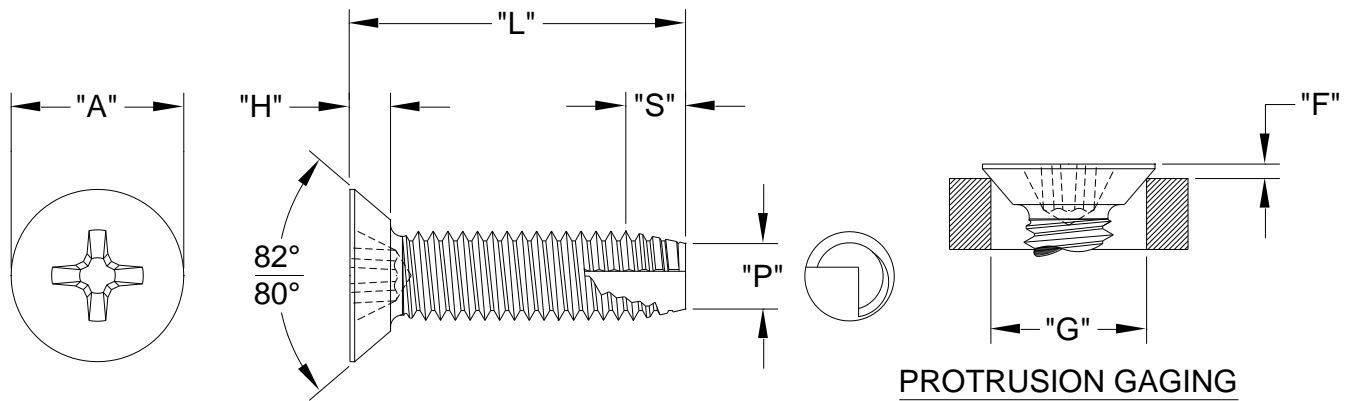


**TYPE 1 CROSS RECESS  
82° U/C FLAT HEAD  
TYPE "23" TCS**

XXXXPFU23Z
APRIL, 2014
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Nominal Screw Length	Tolerance On Screw Length
Up To & Including 3/4"	-0.03
Over 3/4" to 1-1/2" Inclusive	-0.05
Over 1-1/2"	-0.06



Nominal Screw Size	Basic Screw Size	"D"		"P"		"S"				Determinant For Point Taper Length	"A"		"H"		Driver Size	Recess Penetration Gaging Depth		"G"		"F"	
		Major Diameter		Point Diameter		Point Taper Length					Head Diameter		Head Height			Max. Min.		Gaging Diameter		Protrusion Height	
		Max.	Min.	Max.	Min.	Short Screws		Long Screws			Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.	Max.	Min.
#4 - 40	0.112	0.1120	0.1061	0.087	0.078	0.088	0.062	0.112	0.088	1/4	0.212	0.191	0.047	0.038	1	0.071	0.055	0.172	0.032	0.019	
#6 - 32	0.138	0.1380	0.1312	0.107	0.096	0.109	0.078	0.141	0.109	5/16	0.262	0.238	0.059	0.048	2	0.067	0.044	0.220	0.036	0.021	
#8 - 32	0.164	0.1640	0.1571	0.132	0.122	0.109	0.078	0.141	0.109	11/32	0.312	0.285	0.070	0.058	2	0.095	0.072	0.267	0.039	0.023	
#10 - 24	0.190	0.1900	0.1818	0.148	0.135	0.146	0.104	0.188	0.146	7/16	0.362	0.333	0.081	0.068	2	0.110	0.087	0.313	0.042	0.025	
#10 - 32	0.190	0.1900	0.1831	0.158	0.148	0.109	0.078	0.141	0.109	11/32	0.362	0.333	0.081	0.068	2	0.110	0.087	0.313	0.042	0.025	
#12 - 24	0.216	0.2160	0.2078	0.174	0.161	0.146	0.104	0.188	0.146	7/16	0.412	0.380	0.092	0.078	3	0.104	0.081	0.362	0.045	0.027	
1/4 - 20	0.250	0.2500	0.2408	0.200	0.184	0.175	0.125	0.225	0.175	17/32	0.477	0.442	0.107	0.092	3	0.119	0.096	0.424	0.050	0.029	

Standard: ASME B18.6.3  
 Material: Carbon Steel,  
 Heat Treat: Case Hardened Rc45 Min.  
 Finish: Commercial Zinc, Bake & ROHS Compliant Clear Chromate  
 Per ASTM F1941 Code Fe/Zn 3A

Common Uses:  
 Use Where Protrusion Of The Head Above The Mating Surface Is Unacceptable In Thinner Materials To Avoid Assembly Issues; Used In Sheet Metal  $\geq 60\%$  Of Screw Size, Painted Extruded Sheet Metal; Paint Clearing For Tapped Holes