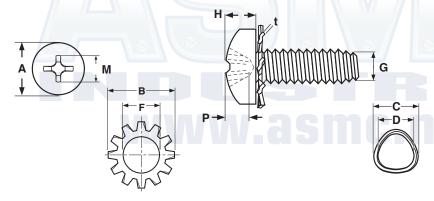
Triobular Pan External Tooth SEMS

THREAD ROLLING



	A Head Diameter		H Head Height		B Washer Outside Diam		F Washer Inside Diam		t Washer Material Thickness		C Circumscrib- ing Circle Diam		D Measurement Across Center		G Point Diam of Circum- scribing Circle	M Drive Diam.	P Gauge Penetration		Phillips Driver Size
Nominal Screw Size & Threads per Inch																			
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Ref	Max	Min	Min
4-40	.219	.204	.080	.069	.230	.219	.104	.100	.018	.012	.114	.110	.110	.105	.090	.115	.071	.053	1
6-32	.270	.255	.097	.086	.287	.269	.126	.123	.022	.016	.141	.134	.135	.128	.111	.159	.080	.055	2
8-32	.321	.305	.115	.104	.319	.304	-	-	.023	.018	.167	.160	.161	.154	.137	.177	.097	.071	2
10-24	.372	.356	.133	.121	.380	.364	-	-	.024	.018	.194	.187	.185	.178	.152	.193	.113	.089	2
10-32	.372	.356	.133	.121	.380	.364	-	-	.024	.018	.193	.186	.187	.180	.163	.193	.113	.089	2

Description	Trilobular thread rolling screw with a gently rounded top surface and a captive, free-spinning external tooth lockwasher manufactured as one ass As each lobe of the screw moves through the pilot hole in the nut material, it forms and work-hardens the nut thread metal, producing an uninter grain flow.							
Applications/ Advantages	resistance to vibrational loosening. The washer/screw assembly makes this a locking screw with the washer providing the locking action, iviachii							
	Screw	Washer						
Material	1022 or equivalent carbon steel	1050 or equivalent spring steel						
Heat Treatment	Screws shall be quenched in liquid and then tempered by reheating to 650°F minimum.							
Case Hardness	Rockwell C45 minimum							
Case Depth	2-56 through 6-32 diameters: .002007 8-32 through 10-32 diameters: .004009							
Core Hardness (after tempering)	Rockwell C28-38	Rockwell C40 - 50						
Plating	See Appendix-A for information on the plating	g of trilobular thread rolling SEMS screws.						