

METRIC - ISO 7045 PAN PHIL INTERNAL TOOTH SEMS											
Machine Screw Dimensions							Internal	Tooth Lockwasher Dimensions			
Nominal Size	Thread Pitch	A Head Diameter		H1 Height of Head		M Recess Diameter	O.D. Outside Diameter		Material Thickness		Phillips Driver Size
		МЗ	0.5	5.6	5.3	2.40	2.26	3	7.35	6.85	0.45
M4	0.7	8.00	7.64	3.10	2.92	4.4	8.75	8.25	0.60	0.45	2
Tolerance on Length					over 3mm to 6mm			± 0.24			
					over 6mm to 10mm			± 0.29			
					over 10mm to 18 mm			±0.35			
					over 20mm to 30mm			±0.42			

^{*}Washers to ASME B18.13.1M

Description	A cross-recessed, pan head machine screw with a free-spinning, internal tooth captive lockwasher.							
Applications/ Advantages	The washer/screw assembly makes this a locking screw with the washer providing the locking action. Machine pre- assembly provides cost savings to the end user. The internal tooth variety is recommended when it is desirable to hide the teeth for appearance or to prevent snagging.							
Component	Screw	Internal Tooth Lockwasher	Screw	Internal Tooth Lockwasher				
	Class 4.	8 Steel	Stainless					
Material	C1008 or equivalent carbon steel	C1050 Carbon Steel	A2 Stainless	A2 Stainless				
Hardness	Rockwell B 67 minimum	410 - 490 HV 5	-	-				
Tensile Strength	60,900 psi.		72,500 - 101,500 psi.	-				
Plating	Sems are available in a clear plati	Sems are provided with no additional finish						