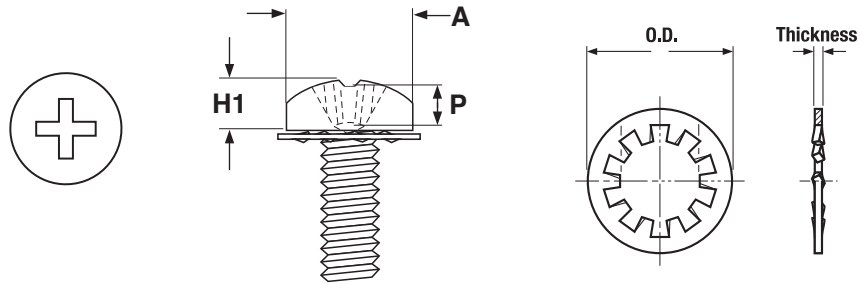


DIN 7985 Pan Phillips  
Internal Tooth L/W



METRIC - DIN 7985 PAN PHIL INTERNAL TOOTH SEMS												DIN 7985*
Machine Screw Dimensions								Internal Tooth Lockwasher Dimensions				Phillips Driver Size
Nominal Size	Thread Pitch	A		H1		P		O.D.		Material Thickness		
		Head Diameter		Height of Head		Recess Penetration		Outside Diameter				
		Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	
M3	0.5	6	5.7	2.52	2.28	2	1.7	7.35	6.85	0.45	0.30	1
M5	0.8	10	9.64	3.95	3.65	3.27	2.77	10.50	10.00	0.65	0.50	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

<b>Description</b>	A cross-recessed, pan head machine screw with a free-spinning, internal tooth captive lockwasher.			
<b>Applications/Advantages</b>	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.			
<b>Component</b>	<i>Screw</i>	<i>Internal Tooth Lockwasher</i>	<i>Screw</i>	<i>Internal Tooth Lockwasher</i>
<b>Material</b>	Class 4.8 Steel		Stainless	
	C1008 or equivalent carbon steel	C1050 Carbon Steel	A2 Stainless	A2 Stainless
<b>Hardness</b>	Rockwell B 67 minimum	410 - 490 HV 5	-	-
<b>Tensile Strength</b>	60,900 psi.	-	72,500 - 101,500 psi.	-
<b>Plating</b>	Sems are available in a clear zinc finish and baked after plating.		Sems are provided with no additional finish	