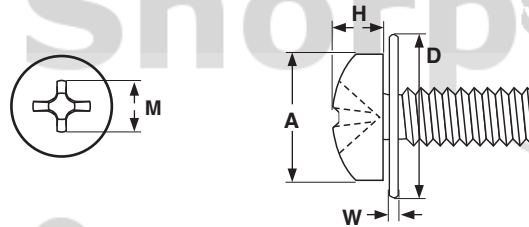


**DIN 7985 Pan Phillips w/  
DIN 6902A Captive Flat Washer**

**METRIC**

**SEMS**



<b>METRIC - DIN 7985 PAN PHIL SEMS w/ DIN 6902A FLAT WASHER</b>													<b>DIN 7985 &amp; DIN 6902A</b>	
Nominal Size	Thread Pitch	Machine Screw Dimensions						Flat Washer Dimensions					Phillips Driver Size	
		A		H1		M		D		T1				
		Head Diameter		Height of Head		Penetration Depth		Recess Diameter	Outside Diameter		Thickness			
		Max	Min	Max	Min	Max	Min	Ref	Max	Min	Max	Min		
M3	0.5	6.00	5.70	2.52	2.28	2.00	1.70	3.10	7.00	6.78	0.65	0.55	1	
M4	0.7	8.00	7.64	3.25	2.95	2.54	2.04	4.60	9.00	8.78	0.88	0.72	2	
M5	0.8	10.00	9.64	3.95	3.65	3.27	2.77	5.30	10.00	9.78	1.06	0.94	2	
<b>Tolerance on Length</b>		4mm thru 6mm								+/- 0.24				
		8mm thru 10mm								+/- 0.29				
		12mm thru 18mm								+/- 0.35				
		20mm thru 30 mm								+/- 0.42				

<b>Description</b>	A cross-recessed, pan head machine screw with a free-spinning, round captive flat washer.	
<b>Applications/ Advantages</b>	Machine pre-assembly provides cost savings to the end user. The flat washer distributes force more evenly across the bearing surface and compensates for oversized holes.	
<b>Component</b>	<i>Screw</i>	<i>Captive Flat Washer</i>
<b>Material</b>	C1022 or equivalent carbon steel	C1008 or equivalent carbon steel
<b>Hardness</b>	Rockwell B 67 minimum	Vickers HV 200 - 250
<b>Tensile Strength</b>	400 N/mm <sup>2</sup> (applies to screws with a minimum nominal length of 2.5d (where d is the nominal diameter of the screw))	
<b>Plating</b>	Sems are available in a clear zinc finish and baked after plating.	