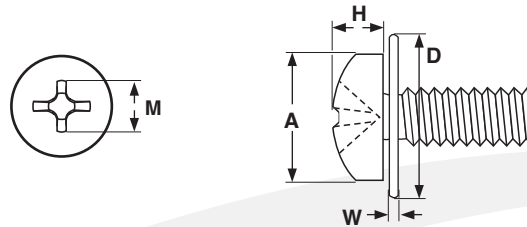


**DIN 7985 Pan Phillips w/  
DIN 6902A Captive Flat Washer**

**METRIC**

**SEMS**



<b>METRIC - DIN 7985 PAN PHIL SEMS w/ DIN 6902A FLAT WASHER</b>													<b>DIN 7985 &amp; DIN 6902A</b>	
<b>Machine Screw Dimensions</b>									<b>Flat Washer Dimensions</b>				<b>Phillips Driver Size</b>	
<b>Nominal Size</b>	<b>Thread Pitch</b>	<b>A</b>		<b>H1</b>		<b>Penetration Depth</b>		<b>M</b>	<b>D</b>		<b>T1</b>			
		<b>Head Diameter</b>		<b>Height of Head</b>		<b>Max</b>		<b>Recess Diameter</b>	<b>Outside Diameter</b>		<b>Thickness</b>			
		<b>Max</b>	<b>Min</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>	<b>Min</b>	<b>Ref</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>	<b>Min</b>		
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.	