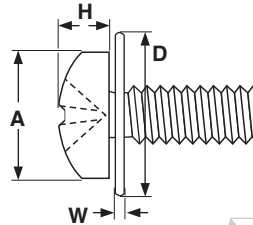
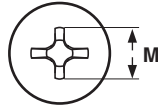
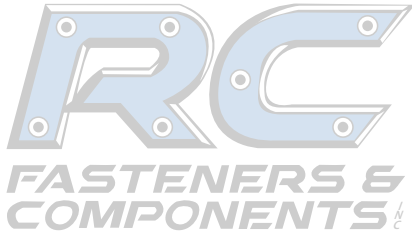


DIN 7985 Pan Phillips w/  
DIN 6902A Captive Flat Washer

METRIC

SEMS

FASTENERS & COMPONENTS



METRIC - DIN 7985 PAN PHIL SEMS w/ DIN 6902A FLAT WASHER

DIN 7985 &  
DIN 6902A

		Machine Screw Dimensions						Flat Washer Dimensions				Phillips Driver Size	
Nominal Size	Thread Pitch	A		H1		Penetration Depth		M	D		T1		
		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
Tolerance on Length		4mm thru 6mm						+/- 0.24					
		8mm thru 10mm						+/- 0.29					
		12mm thru 18mm						+/- 0.35					
		20mm thru 30mm						+/- 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.	

