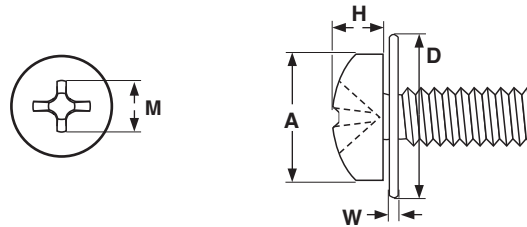


**DIN 7985 Pan Phillips w/
DIN 6902A Captive Flat Washer**

METRIC

SEMS



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				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
Tolerance on Length					4mm thru 6mm					+/- 0.24			
					8mm thru 10mm					+/- 0.29			
					12mm thru 18mm					+/- 0.35			
					20mm thru 30 mm					+/- 0.42			

Description	A cross-recessed, pan head machine screw with a free-spinning, round captive flat washer.	
Applications/ Advantages	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.	
Component	Screw	Captive Flat Washer
Material	C1022 or equivalent carbon steel	C1008 or equivalent carbon steel
Hardness	Rockwell B 67 minimum	Vickers HV 200 - 250
Tensile Strength	400 N/mm ² (applies to screws with a minimum nominal length of 2.5d (where d is the nominal diameter of the screw))	-
Plating	Sems are available in a clear zinc finish and baked after plating.	