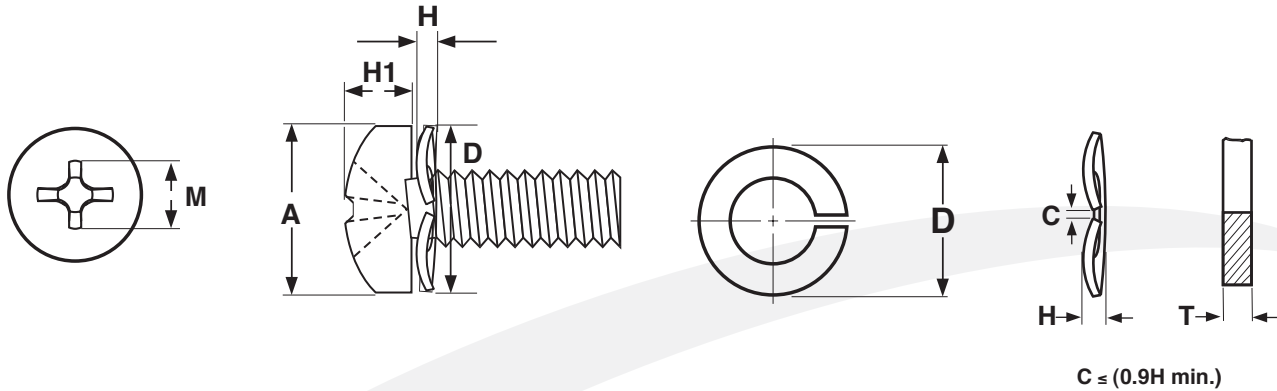


METRIC FASTENERS

WASHERS DIN 7985 Pan Phillips w/ DIN 6905 Spring Lock Washer



METRIC - DIN 7985 PAN PHIL SPRING LOCKWASHER SEMS												DIN 7985 DIN 6905
Machine Screw Dimensions							Spring Lockwasher Dimensions					Phillips Driver Size
Nominal Size	Thread Pitch	A		H1		M	D	H		T		
		Head Diameter		Height of Head		Recess Diameter	Outside Diameter	Free Height		Section Thickness		
		Max	Min	Max	Min	Ref	Max	Max	Min	Max	Min	
M3	0.5	6.00	5.70	2.52	2.28	3.10	5.6	1.3	1.1	0.80	0.60	1
M4	0.7	8.00	7.64	3.25	2.95	4.60	6.95	1.4	1.2	0.90	0.70	2
Tolerance on Length							4mm thru 6mm		± 0.24			
							8mm thru 10mm		± 0.29			
							12mm thru 18 mm		±0.35			
							20mm thru 30 mm		±0.42			

Description	A cross-recessed, pan head machine screw with a free-spinning, captive, spring lockwasher.	
Applications/ Advantages	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 spring lockwasher variety is preferred for use with hardened bearing surfaces.	
Component	<i>Screw</i>	<i>Spring Lockwasher</i>
Material	Class 4.8 steel	Spring Steel
Hardness	Rockwell B 71 - 99.5	HV 350 - 425
Tensile Strength	60,900 psi.	-
Plating	Sems are available in a clear zinc finish and baked after plating.	