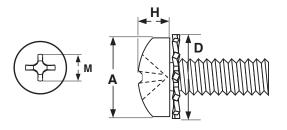
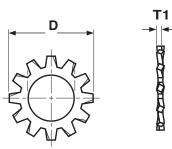
METRIC FASTENERS

SEMS

ISO 7045 Pan Phillips External Tooth L/W





METRIC - ISO 7045 PAN PHIL EXTERNAL TOOTH SEMS											ISO 7045
Machine Screw Dimensions							External Tooth Lockwasher Dimensions				
	Thread Pitch	A Head Diameter		H Height of Head		м	D Outside Diameter		T1 Material Thickness		Phillips Driver Size
Nominal Size						Recess Diameter					
		Мах	Min	Max	Min	Ref	Max	Min	Max	Min]
M2	0.4	4.0	3.7	1.60	1.46	1.9	4.5	4.2	0.5	0.27	0
M2.5	0.45	5.00	4.70	2.10	1.96	2.70	5.84	5.59	0.51	0.36	1
M3	0.5	5.6	5.3	2.40	2.26	3	6.0	5.82	0.44	0.36	1
M4	0.7	8.00	7.64	3.10	2.92	4.4	8.25	7.75	0.60	0.45	2
M5	0.8	9.50	9.14	3.70	3.52	4.9	10.0	9.6	0.5	0.3	2
M6	1	12	11.57	4.6	4.3	5.9	12.1	11.6	0.75	0.60	3
Televence on Longth				over 3mm to 6mm			± 0.24				
				over 6mm to 10mm			± 0.29				
Tolerance on Length					over 10mm to 18 mm			±0.35			
				over 20mm to 30mm			±0.42				

Description	A cross-recessed, pan head machine screw with a free-spinning, external tooth captive lockwasher.							
Applications/ Advantages	The washer/screw assembly makes t providing the locking action. Mach savings to the end user. The external resistance than an in	ine pre-assembly provides cost tooth variety offers greater torsional	Offers same advantages of the steel variety but with superior resistance to corrossion.					
Component	Screw	External Tooth Lockwasher	Screw	External Tooth Lockwasher				
Meterial	Ste	pel	Stainless					
Material	C1008 or equivalent carbon steel	C1050 Carbon Steel	A2 Stainless	410 Stainless				
Hardness	Rockwell B 67 minimum	410 - 490 HV 5	-	-				
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)	-	72,500 psi min.	-				
Plating	Sems are available in a clear zin	c finish and baked after plating.	Parts are usually supplied without a supplemental finish.					