



METRIC - JIS-B1111 TRUSS HEAD PHILLIPS MACHINE SCREW						JIS-B1111
Nominal Size	Thread Pitch	A		H1		Phillips Driver Size
		Head Diameter		Height of Head		
		Max	Min	Max	Min	
M4	0.7	9.4	8.9	2.65	2.35	2
M5	0.8	11.8	11.2	3.25	2.95	2
M6	1	14	13.3	3.9	3.5	3
Tolerance on Length	Nominal Diameter	Nominal Screw Length				
		4mm or under	Over 4mm to 10mm	Over 10mm to 20mm	Over 20mm to 40mm	Over 40mm
	M3 and M4	-	-0.6	-0.6	-0.8	-1
	M5 and M6	-	-0.8	-1	-1	-1

Description	A straight shank fastener with a low rounded top surface and a flat bearing surface greater in area than a pan head screw of the same size. The screw has a metric thread pitch designed to go through a hole or nut that is pre-tapped to form a mating thread for the screw.
Applications/ Advantages	The truss head machine screw is a preferred design in applications where minimal clearance exists above the head.
Material	Class 4.8 machine screws shall be made from a carbon steel, partially or fully annealed as required, which conforms to the following chemical composition-- Carbon: 0.55% maximum; Phosphorus: 0.05% maximum; Sulfur: 0.06% maximum.
Hardness	Rockwell B 71 - 99.5 (Vickers HV 130 - 250)
Tensile Strength	420 N/mm ² minimum
Plating	Parts are typically provided with a clear zinc finish.