



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	

<b>Description</b>	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.
<b>Applications/ Advantages</b>	The truss head machine screw is a preferred design in applications where minimal clearance exists above the head.
<b>Material</b>	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-- <b>Carbon:</b> 0.55% maximum; <b>Phosphorus:</b> 0.05% maximum; <b>Sulfur:</b> 0.06% maximum.
<b>Hardness</b>	Rockwell B 71 - 99.5 (Vickers HV 130 - 250)
<b>Tensile Strength</b>	420 N/mm <sup>2</sup> minimum
<b>Plating</b>	Parts are typically provided with a clear zinc finish.