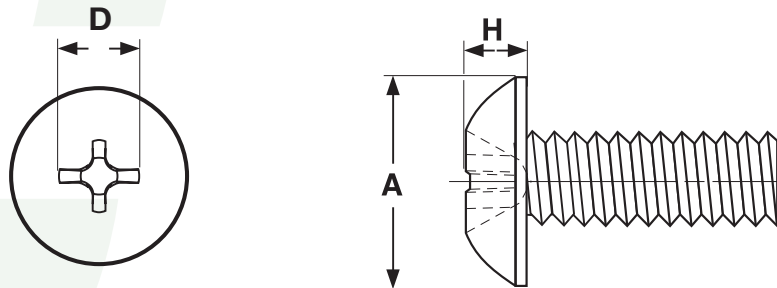


## METRIC FASTENERS

JIS B1111  
Truss Phillips

## MACHINE SCREWS



## METRIC - JIS-B1111 TRUSS HEAD PHILLIPS MACHINE SCREW

JIS-B1111

Nominal Size	Thread Pitch	A		H		D	Phillips Driver Size
		Head Diameter		Height of Head		Recess Diameter	
		Max	Min	Max	Min	Ref	
M2	0.4	4.5	4.1	1.3	1.1	2.2	1
M2.5	0.45	5.7	5.3	1.6	1.4	2.5	1
M3	0.5	6.9	6.4	2.05	1.75	2.9	1
M4	0.7	9.4	8.9	2.65	2.35	4.3	2
M5	0.8	11.8	11.2	3.25	2.95	5.0	2
M6	1	14	13.3	3.9	3.5	6.3	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
	M2 and M2.5	-0.3	-0.4	-0.6	-0.8	-
	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>	<p><i>Steel</i></p> <p>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.</p>	<p><i>Stainless</i></p> <p>A2-50 Stainless</p>
<b>Hardness</b>	Rockwell B 71 - 99.5 (Mickers 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.	Stainless machine screws are typically provided with no additional finish.