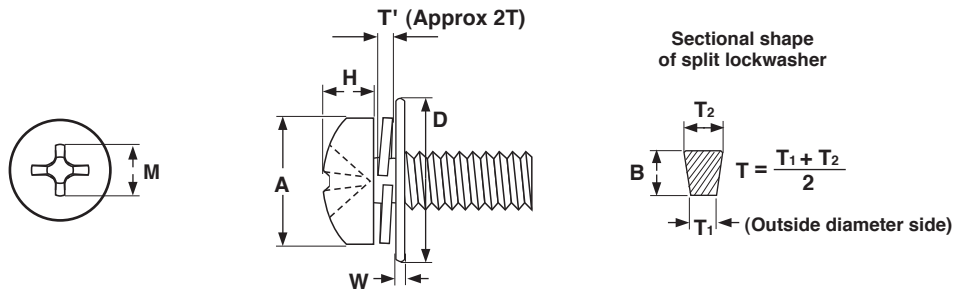


# METRIC FASTENERS

## SEMS

## JIS B1188 Small Pan Phillips: STAINLESS Split Lockwasher/Flat Washer



METRIC - JIS B1188 PHILLIPS SMALL PAN SPLIT WASHER / FLAT WASHER SEMS														JIS B1188	
Screw Dimensions							Flat Washer				Split Washer			Phillips Drive Size	
Nominal Size	Thread Pitch	A		H		M	D		W		D1	B(min) x T (min)			
		Head Diameter		Head Height		Recess Diam	Outside Diameter		Thickness		Outside Diameter				
		Max	Min	Max	Min	Ref	Max	Min	Max	Min	Max				
M2	0.4	3.5	3.1	1.4	1.2	2.2	4.3	4	0.34	0.26	4	0.9 x 0.5			
							5	4.7	0.34	0.26					
M2.5	0.45	4.5	4.1	1.8	1.6	2.6	5	4.7	0.55	0.45	4.8	1 x 0.6			
							6.5	6.15	0.55	0.45					
M3	0.5	5.5	5	2.15	1.85	3.6	6	5.7	0.55	0.45	5.5	1.1 x 0.7			
							7	6.65	0.55	0.45					
							8	7.65	0.9	0.7					
M4	0.7	7	6.5	2.75	2.45	4.2	9	8.65	0.9	0.7	7	1.4 x 1	2		
M5	0.8	9	8.4	3.45	3.15	4.9	10	9.65	1.1	0.9	8.5	1.7 x 1.3	2		
M6	1.0	10.5	9.8	4.1	3.7	6.3	12.5	12.1	1.75	1.45	11.5	2.7 x 1.5	3		

Tolerance on Length	Nominal Screw Size	Nominal Screw Lengths			
		Up to 10 mm	Over 10 mm to 20 mm, incl.	Over 20 mm to 40 mm, incl.	Over 40 mm
	M2.5	-0.4	-0.6	-0.8	-
	M3 to M4	-0.6	-0.6	-0.8	-1
	M5 to M8	-0.8	-1	-1	-1

<b>Description</b>	A cross-recessed, pan head machine screw with two free-spinning, captive washers. Directly below the pan head is a helical split lockwasher; beneath the split lockwasher is a round flat washer. The diameter and height of the pan head are between 5% and 20% smaller than a standard pan head.		
<b>Applications/ Advantages</b>	This double washer sems screw is typically a more economical alternative to a patented conical washer sems screw. They are commonly used in the electronics industry. The Stainless Sems screw is used in applications where resistance to corrosion is a primary concern.		
<b>Component</b>	<i>Screw</i>	<i>Split Lockwasher</i>	<i>Flat Washer</i>
<b>Material</b>	A2 Stainless	304 Stainless	302 Stainless
<b>Plating</b>	Stainless Sems are usually provided without any additional finish..		