

ISO 14583
Pan Six-Lobe

MACHINE SCREWS



METRIC - ISO 14583 PAN SIX-LOBE MACHINE SCREWS									ISO 14583
Nominal Size	Thread Pitch	D		H		R	G		Recess Size
		Head Diameter		Height of Head		Recess Diameter	Recess Penetration		
		Max	Min	Max	Min	Ref	Max	Min	
• M1.6	0.35	3.2	2.9	1.4	1.26	1.49	0.6		T5
M2	0.4	4.0	3.7	1.60	1.46	1.75	0.77	0.63	T6
M2.5	0.45	5.0	4.7	2.10	1.96	2.4	1.04	0.91	T8
M3	0.5	5.6	5.3	2.4	2.26	2.8	1.27	1.10	T10
M4	0.7	8.00	7.64	3.10	2.92	3.95	1.66	1.27	T20
M5	0.8	9.50	9.14	3.70	3.52	4.5	1.91	1.52	T25
M6	1	12.0	11.57	4.6	4.3	5.6	2.42	2.02	T30
Tolerance on Length	3mm: ±0.20			4-6mm: ±0.24			7-10mm: ±0.29		
	11-16mm: ±0.35			20-30mm: ±0.42			35-50mm: ±0.50		

• Dimensions for M1.6 are independent of the ISO 14583 standard.

Description	A pan head, straight shank fastener made of medium carbon steel with a metric thread pitch designed to go through a hole or nut that is pre-tapped to form a mating thread for the screw.	A pan head, straight shank fastener made of stainless steel with 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	Ideal for applications where extra driving torque is required, especially where fasteners are subject to repetitive vibration. Has a general purpose bearing area that can be substituted in most instances for round, truss or binding heads.	Design has a general purpose bearing area that can be substituted in most instances for round, truss or binding heads. A2 is used in corrosive environments. A4 will provide a degree of protection from corrosion that is superior to A2.
Material	Steel	Stainless
	Medium carbon steel that conforms to the following chemical composition: Carbon: 0.25 - 0.55%; Phosphorous: 0.04% maximum; Sulfur: 0.05% maximum	A2 Stainless Steel and A4 Stainless Steel
Heat Treatment	Class 8.8 machine screws shall be heat treated by quenching in a liquid medium from above the transformation temperature and reheating to a tempering temperature of 425°C.	-
Hardness	Rockwell C 22 - 32	-
Tensile Strength	640 N/mm ² minimum	-
Plating	See Appendix-A	Stainless screws are typically provided without additional finish.