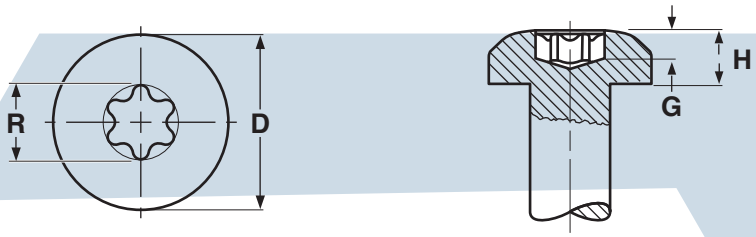
ISO 14583
Pan Six-Lobe
MACHINE SCREWS



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	
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

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.	Has a general purpose bearing area that can be substituted in most instances for round, truss or binding heads.
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
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.