ENGLISH

Datasheet

RS Stock No: 560057

Clear Passivated, Bright Zinc Plated Steel Pan Head Machine Screws: Metric Thread

Pan Head machine screws, similarly to Oval Head machine screws have rounded sides, however the difference being that Pan Head machine screws have a flat top rather than a rounded one. The slotted drive is a popular driving method with this type of fastener for ease of assembly. Machine screws can be use din pre-tapped holes or used with conforming nuts and washers in through holes.

- Clear Passivated, Bright Zinc Plated Steel
- Slotted drive type
- Threaded in accordance with DIN 85 standard
- Suitable for light fastening applications in facilities maintenance and electronic & domestic applications
- Typical applications include; PCB prototyping, circuit board mounting and general repair and maintenance
- Requires a slotted screwdriver

ENGLISH

Please view our range listing below for more Clear Passivated, Zinc Plated Steel, Pan Head Machine Screws:

Head Shape	Drive Type	Material	Thread Size	Length	RS Part No.
Pan Head	Slot	Zinc Plated Steel	M2	6 mm	560704
Pan Head	Slot	Zinc Plated Steel	M2	12 mm	560710
Pan Head	Slot	Zinc Plated Steel	M2.5	6 mm	560726
Pan Head	Slot	Zinc Plated Steel	M2.5	12 mm	560732
Pan Head	Slot	Zinc Plated Steel	M2.5	20 mm	560748
Pan Head	Slot	Zinc Plated Steel	M3	6 mm	560754
Pan Head	Slot	Zinc Plated Steel	M3	10 mm	560760
Pan Head	Slot	Zinc Plated Steel	M3	12 mm	560776
Pan Head	Slot	Zinc Plated Steel	M3	16 mm	560782
Pan Head	Slot	Zinc Plated Steel	M3	20 mm	560798
Pan Head	Slot	Zinc Plated Steel	M3	25 mm	560805
Pan Head	Slot	Zinc Plated Steel	M3.5	12 mm	560827
Pan Head	Slot	Zinc Plated Steel	M4	6 mm	560849
Pan Head	Slot	Zinc Plated Steel	M4	10 mm	560855
Pan Head	Slot	Zinc Plated Steel	M4	12 mm	560861
Pan Head	Slot	Zinc Plated Steel	M4	16 mm	560007
Pan Head	Slot	Zinc Plated Steel	M4	20 mm	560013
Pan Head	Slot	Zinc Plated Steel	M4	25 mm	560029
Pan Head	Slot	Zinc Plated Steel	M4	30 mm	560035
Pan Head	Slot	Zinc Plated Steel	M4	40 mm	560041

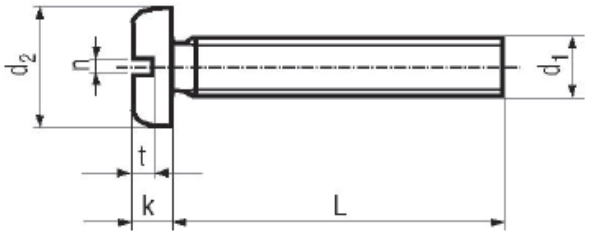
ENGLISH

Please view our range listing below for more Clear Passivated, Zinc Plated Steel, Pan Head Machine Screws:

Head Shape	Drive Type	Material	Thread Size	Length	RS Part No.
Pan Head	Slot	Zinc Plated Steel	M5	10 mm	560057
Pan Head	Slot	Zinc Plated Steel	M5	12 mm	560063
Pan Head	Slot	Zinc Plated Steel	M5	16 mm	560079
Pan Head	Slot	Zinc Plated Steel	M5	20 mm	560085
Pan Head	Slot	Zinc Plated Steel	M5	25 mm	560091
Pan Head	Slot	Zinc Plated Steel	M5	40 mm	560108
Pan Head	Slot	Zinc Plated Steel	M6	10 mm	560114
Pan Head	Slot	Zinc Plated Steel	M6	12 mm	560120
Pan Head	Slot	Zinc Plated Steel	M6	16 mm	560136
Pan Head	Slot	Zinc Plated Steel	M6	20 mm	560142
Pan Head	Slot	Zinc Plated Steel	M6	25 mm	560158
Pan Head	Slot	Zinc Plated Steel	M6	40 mm	560164

ENGLISH

PAN HEAD SLOTTED MACHINE SCREWS DIN 85 / ISO 1580 / JIS B 1101 / ANSI B.18.16.7M



Head Diameter (d2)	Size d1	M1.6		M2		M2.5		M3		(M3.5)		M4		M5		M6		M8		M8		M10	
Standard		min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max
DIN 85 (1990)								5.7	6	6.64	7	7.64	8	9.64	10	11.57	12	15.57	16	19.48	20		
ISO 1580 (1994)		2.9	3.2	3.7	4	4.7	5	5.3	5.6	6.64	7	7.64	8	9.14	9.5	11.57	12	15.57	16	19.48	20		
JIS B 1101 (1977)		2.6	3	3.1	3.5	4.1	4.5	5	5.5	5.5	6	6.5	7	8.4	9	9.8	10.5	13.2	14				
ANSI B 18.16.7 M (1986)				3.7	4	4.7	5	5.3	5.6	6.6	7	7.6	8	9.1	9.5	11.5	12	15.5	16	19.4	20		

Head Height (k)	Size d1	M1.6		M2		M2.5		M3		(M3.5)		M4		M5		M6		M8		M8		M10	
Standard		min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max
DIN 85 (1990)								1.66	1.8	1.96	2.1	2.26	2.4	2.86	3	3.3	3.6	4.5	4.8	5.7	6		
ISO 1580 (1994)		0.86	1.0	1.16	1.3	1.36	1.5	1.66	1.8	1.96	2.1	2.26	2.4	2.86	3	3.3	3.6	4.5	4.8	5.7	6		
JIS B 1101 (1977)		0.9	1.1	1.2	1.4	1.6	1.8	1.85	2.15	2.15	2.45	2.45	2.75	3.15	3.45	3.7	4.1	5	5.4				
ANSI B 18.16.7 M (1986)				1.1	1.3	1.3	1.5	1.6	1.8	1.9	2.1	2.2	2.4	2.7	3	3.3	3.6	4.5	4.8	5.7	6		

Slot Width (n)	Size d1	M1.6		M2		M2.5		M3		(M3.5)		M4		M5		M6		M8		M8		M10	
Standard		min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max
DIN 85 (1990)								0.86	1	1.06	1.2	1.26	1.51	1.26	1.51	1.66	1.91	2.06	2.31	2.56	2.81		
ISO 1580 (1994)		0.46	0.6	0.56	0.7	0.66	0.8	0.86	1	1.06	1.2	1.26	1.51	1.26	1.51	1.66	1.91	2.06	2.31	2.56	2.81		
JIS B 1101 (1977)		0.4	0.55	0.6	0.75	0.8	0.95	0.8	0.95	1	1.15	1	1.15	1.2	1.4	1.2	1.4	1.6	1.8				
ANSI B 18.16.7 M (1986)				0.5	0.7	0.6	0.8	0.8	1	1	1.2	1.2	1.5	1.2	1.5	1.6	1.9	2	2.3	2.5	2.8		

Slot Depth (t)	Size d1	M1.6		M2		M2.5		M3		(M3.5)		M4		M5		M6		M8		M8		M10	
Standard		min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max
DIN 85 (1990)								0.7		0.8		1		1.2		1.4		1.9		2.4			
ISO 1580 (1994)		0.35		0.5		0.60		0.7		0.8		1		1.2		1.4		1.9		2.4			
JIS B 1101 (1977)		0.45	0.65	0.6	0.8	0.75	1.05	0.95	1.25	1.05	1.45	1.2	1.6	1.5	2.1	1.8	2.4	2.3	3.3				
ANSI B 18.16.7 M (1986)				0.5		0.60		0.7		0.8		1		1.2		1.4		1.9		2.4			

Length Tolerance	DIN 85/ISO 1580		JIS B 1101				ANSI B 18.16.7 M	
			Over M2.6 To M4.5		Over M4.5 To M8		M10 & Above			
Nominal Length	min	max	min	max	min	max	min	max	min	max
2							1.7	2		
(2.5)									2.3	2.7
3	2.8	3.2					2.7	3	2.8	3.2
4	3.76	4.24					3.7	4	3.7	4.3
5	4.76	5.24	4.4	5	4.2	5	4.6	5	4.7	5.3
6	5.76	6.24	5.4	6	5.2	6	5.6	6	5.7	6.3
8	7.71	8.29	7.4	8	7.2	8	7.6	8	7.7	8.3
10	9.71	10.29	9.4	10	9.2	10	9.6	10	9.7	10.3
12	11.65	12.35	11.4	12	11	12	11.4	12	12.6	13.4
(14)	13.65	14.35								
16	15.65	16.35	15.4	16	15	16	15.4	16	15.6	16.4
(18)	17.65	18.35								
20	19.58	20.42	19.4	20	19	20	19.4	20	19.5	20.5
(22)	21.58	22.42								
25	24.58	25.42	24.2	25	24	25	24.2	25	24.5	25.5
(28)	27.58	28.42								
30	29.58	30.42	29.2	30	29	30	29.2	30	29.5	30.5
35	34.5	35.5	34.2	35	34	35	34.2	35	34.5	35.5
40	39.5	40.5	39.2	40	39	40	39.2	40	39.5	40.5
45	44.5	45.5	44	45	44	45			44.5	45.5
50	49.5	50.5	49	50	49	50			49.5	50.5
(55)	54.05	55.95	54	55	54	55			54	56
60	59.05	60.95			59	60			59	61
(65)	64.05	65.95							64	66
70	69.05	70.95			69	70			69	71
(75)	74.05	75.95								
80	79.05	80.95			79	80			79	81
90	88.9	91.1			89	90			89	91

Diameters & Lengths With ( ) are not recommended for new design.

Thread Pitch		Thread Tolerance Plain 6g		
Dia.	Pitch	Thread Tolerance Plated 6h		
M1.6	0.35	Thread Tolerance Stainless 6g		
M2	0.4			
M2.5	0.45	Material	4.8	A2 - A4
(M2.6)	0.45	Tensile Strength	60900	72500-101500
M3	0.5			
(M3.5)	0.6	Yield Strength	49300	30450-65250
M4	0.7			
M5	0.8	Hardness	HRB 71-99.5	NA
M6	1			
(M8)	1.25			
(M10)	1.5		Steel	Stainless Steel
Property Class			4.8	A2 - A4
Finish			Plain /Plated	Plain

For Machine Screws, The Letter A After The DIN Number Indicates Full Thread. Unless Requested, All Machine Screws Are Supplied As Full Thread, Therefore We Omit The A.

Refer To ISO 1580 For M2, M2.5, and M10, As these Three Diameters Are Not Available In DIN 85 A

M2.6 Is Not Available In DIN 85 A Or ISO 1580. Use M2.5 ISO 1580 For Dimensional Information.

Neither DIN, ISO, Or ANSI Specify A Maximum Slot Depth.