

Datasheet

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

RS Product No: 553857



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

- Clear Passivated, Bright Zinc Plated Steel
- 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



Professionally approved products.

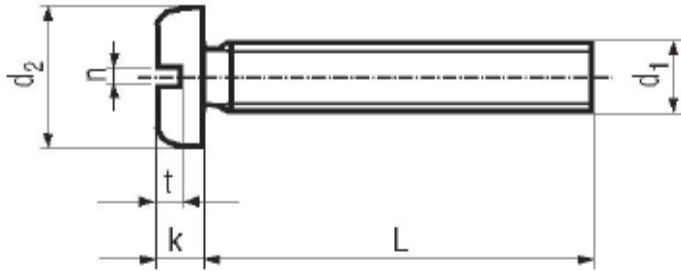
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Please view our full range listing below for all Clear Passivated, Zinc Plated Steel, Cheese Head Machine

Head Shape	Drive Type	Material	Finish	Thread Size	Length	RS Part No.
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M2	6 mm	560-704
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M2	12 mm	560-710
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M2.5	6 mm	560-726
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M2.5	10 mm	908-7582
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M2.5	12 mm	560-732
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M2.5	20 mm	560-748
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M3	6 mm	560-754
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M3	8 mm	908-7586
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M3	10 mm	560-760
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M3	12 mm	560-776
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M3	16 mm	560-782
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M3	20 mm	560-798
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M3	25 mm	560-805
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M3.5	12 mm	560-827
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M3.5	16 mm	908-7595
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M4	6 mm	560-849
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M4	8 mm	908-7598
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M4	10 mm	560-855
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M4	12 mm	560-861
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M4	16 mm	560-007
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M4	20 mm	560-013
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M4	25 mm	560-029
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M4	30 mm	560-035
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M4	40 mm	560-041
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M4	50 mm	290-073
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M5	6 mm	908-7592
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M5	8 mm	908-7602
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M5	10 mm	560-057
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M5	12 mm	560-063
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M5	16 mm	560-079
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M5	20 mm	560-085
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M5	25 mm	560-091
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M5	30 mm	908-7605
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M5	35 mm	908-7609
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M5	40 mm	560-108
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M5	50 mm	290-089
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M6	10 mm	560-114
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M6	12 mm	560-120
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M6	16 mm	560-136
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M6	20 mm	560-142
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M6	25 mm	560-158
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M6	30 mm	908-7618
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M7	35 mm	908-7611
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M6	40 mm	560-164
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M6	50 mm	290-095
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M8	16 mm	908-7615
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M8	20 mm	908-7624
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M8	25 mm	908-7627
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M8	30 mm	908-7621
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M8	35 mm	908-7576
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M8	40 mm	908-7630
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M8	50 mm	908-7633

RS, Professionally Approved Products, gives you professional quality parts across all products categories. Our range has been testified by engineers as giving comparable quality to that of the leading brands without paying a premium price.

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		M2.6		M3		(M3.6)		M4		M6		M8		M10			
		min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max		
Standard																					
DIN 85 (1980)								5.7	6	6.64	7	7.64	8	9.54	10	11.57	12	15.57	16	19.48	20
ISO 1580 (1984)		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		M2.6		M3		(M3.6)		M4		M6		M8		M10			
		min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max		
Standard																					
DIN 85 (1980)								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 (1984)		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		M2.6		M3		(M3.6)		M4		M6		M8		M10			
		min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max		
Standard																					
DIN 85 (1980)								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 (1984)		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	1.4	1.6	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		M2.6		M3		(M3.6)		M4		M6		M8		M10			
		min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max		
Standard																					
DIN 85 (1980)								0.7		0.8		1		1.2		1.4		1.9		2.4	
ISO 1580 (1984)		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	
Nominal Length		min	max
2			
(2.5)			
3		2.8	3.2
4		3.76	4.24
5		4.76	5.24
6		5.76	6.24
8		7.71	8.29
10		9.71	10.29
12		11.65	12.35
(14)		13.65	14.35
16		15.65	16.35
(18)		17.65	18.35
20		19.58	20.42
(22)		21.58	22.42
25		24.58	25.42
(28)		27.58	28.42
30		29.58	30.42
35		34.5	35.5
40		39.5	40.5
45		44.5	45.5
50		49.5	50.5
(55)		54.05	55.95
60		59.05	60.95
(65)		64.05	65.95
70		69.05	70.95
(75)		74.05	75.95
80		79.05	80.95
90		88.9	91.1

JIS B 1101					
Over M2.6 To M4.5		Over M4.5 To M8		M10 & Above	
min	max	min	max	min	max
				1.7	2
				2.7	3
				3.7	4
4.4	5	4.2	5	4.6	5
5.4	6	5.2	6	5.6	6
7.4	8	7.2	8	7.6	8
9.4	10	9.2	10	9.6	10
11.4	12	11	12	11.4	12
15.4	16	15	16	15.4	16
19.4	20	19	20	19.4	20
24.2	25	24	25	24.2	25
29.2	30	29	30	29.2	30
34.2	35	34	35	34.2	35
39.2	40	39	40	39.2	40
44	45	44	45		
49	50	49	50		
54	55	54	55		
		59	60		
		69	70		
		79	80		
		89	90		

ANSI B 18.16.7 M	
min	max
2.3	2.7
2.8	3.2
3.7	4.3
4.7	5.3
5.7	6.3
7.7	8.3
9.7	10.3
12.6	13.4
15.6	16.4
19.5	20.5
24.5	25.5
29.5	30.5
34.5	35.5
39.5	40.5
44.5	45.5
49.5	50.5
54	56
59	61
64	66
69	71
79	81
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	Yield Strength	49300 30450-65250
(M3.5)	0.6		
M4	0.7	Hardness	HRB 71-99.5 NA
M5	0.8		
M6	1		
(M8)	1.25		
(M10)	1.5		
Property Class		Steel	Stainless Steel
Finish		4.8	A2 - A4
		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.