

Datasheet

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

RS Product No: 560041



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.

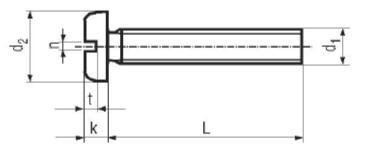
Please view our full range listing below for all Clear Passivated, Zinc Plated Steel, Cheese Head Machine

ead Shape	Drive Type	Material	Finish	Thread Size	Length	RS Part I
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M2	6 mm	560-70
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M2	12 mm	560-71
				T		
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M2.5	6 mm	560-72
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M2.5	10 mm	908-758
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M2.5	12 mm	560-73
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M2.5	20 mm	560-74
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M3	6 mm	560-75
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M3		908-758
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M3	8 mm	560-76
			· · · · · · · · · · · · · · · · · · ·		<u>10 mm</u>	
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M3	12 mm	560-77
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M3	<u>16 mm</u>	560-78
Pan Pan	Slot Slot	Steel Steel	Clear Passivated, Zinc Plated Clear Passivated, Zinc Plated	M3 M3	20 mm 25 mm	560-79 560-80
1 dil	0101	Oleci		1010	20 11111	000 00
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M3.5	12 mm	560-82
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M3.5	16 mm	908-75
	0	01		I		
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M4	6 mm	560-84
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M4	8 mm	908-75
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M4	10 mm	560-85
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M4	12 mm	560-86
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M4	16 mm	560-00
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M4	20 mm	560-01
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M4	25 mm	560-02
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M4	30 mm	560-03
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M4	40 mm	560-04
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M4	50 mm	290-07
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M5	6 mm	908-759
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M5	8 mm	908-76
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M5	10 mm	560-05
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M5	12 mm	560-06
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M5	16 mm	560-07
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M5 M5	20 mm	560-08
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M5 M5	25 mm	560-00
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M5	30 mm	908-76
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M5	35 mm	908-76
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M5	40 mm	560-10
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M5	50 mm	290-08
		I	,,	1		
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M6	10 mm	560-11
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M6	12 mm	560-12
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M6	16 mm	560-13
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M6	20 mm	560-14
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M6	25 mm	560-15
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M6	30 mm	908-76
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M7	35 mm	908-76
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M6	40 mm	560-16
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M6	50 mm	290-09
Pan	Slot	Stool	Clear Passivated Zine Blated	MO	16 mm	908-76
Pan		Steel	Clear Passivated, Zinc Plated	M8 M8	16 mm	
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M8	20 mm	908-76
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M8	25 mm	908-762
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M8	30 mm	908-762
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M8	35 mm	908-75
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M8	40 mm	908-763
Pan	Slot	Steel	Clear Passivated, Zinc Plated	M8	50 mm	908-763

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 Dlameter (d2)	Size d1	M	1.6	2	2	M	2.6	N	13	(M	3.6)	N	14	N	16	M	16		W8	M	10
Standard		min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max
DIN 86 (1990)								5.7	6	6.64	7	7.64	8	9.64	10	11.57	12	15.57	16	19.48	20
ISO 1680 (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	M	1.6	N	2	M	2.6	N	3	(M	3.6)	N	4	N	6	N N	16		MS	M	10
Standard		min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max
DIN 86 (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 1680 (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 (1985)				1.1	1.3	1.3	1.5	1.5	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	M	1.6	N	12	M	2.6	N	3	(16	3.6)	N	4	N	16		16	I	W8	M	10
Standard		min	max	min	max	min	max	min	max												
DIN 86 (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 1680 (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	12	1.2	1.5	1.2	1.5	1.6	1.9	2	2.3	2.5	2.8

Slot Depth (t)	Size d'1	M	1.6	M	12	M	2.6	N	13	(M	3.6)	N	4	N	16		16		WS	M	10
Standard		min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max
DIN 86 (1990)								0.7		0.8		1		1.2		1.4		1.9		2.4	
ISO 1680 (1994)		0.35		0.5		0.60		0.7		0.8		1		12		- 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	12	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		12		- 1.4		1.9		- 2.4	

Length Tolerance	DIN 85/180	0 1580			JISI	8 1101		
				12.6 Tb 1.5		14.5 То 18	M10 &	Abo
Nominal Length	min	max	min	max	min	max	min	n
2							1.7	
(2.5)								
3	2.8	3.2					2.7	
4	3.76	4.24					3.7	
5	4.76	5.24	4.4	5	4.2	5	4.6	
6	5.76	6.24	5.4	6	5.2	6	5.6	
8	7.71	8.29	7.4	8	7.2	8	7.6	
10	9.71	10.29	9.4	10	9.2	10	9.6	1
12	11.65	12.35	11.4	12	11	12	11.4	1
(14)	13.65	14.35						
16	15.65	16.35	15.4	16	15	16	15.4	1
(18)	17.65	18.35						
20	19.58	20.42	19,4	20	19	20	19.4	
(22)	21.58	22.42						
25	24.58	25.42	24.2	25	24	25	24.2	
(28)	27.58	28.42						
30	29.58	30.42	29.2	- 30	29	30	29.2	
35	34.5	35.5	34.2	35	34	35	34.2	
40	39.5	40.5	39.2	40	39	40	39.2	
45	44.5	45.5	44	45	44	45		
50	49.5	50.5	49	50	49	50		
(55)	54.05	55.95	54	55	54	55		
60	59.05	60.95			59	60		
(65)	64.05	65.95						
70	69.05	70.95			69	70		
(75)	74.05	75.95						
80	79.05	80.95			79	80		
90	88.9	91.1			89	90		

ANSI B 18.16.7 M

> 3.2 4.3 5.3 6.3

> 13.4

15.6 16.4

89 91

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

Threa	d Pitch			i Tolerance	
Dia.	Pitch		Thread	Tolerance	Plated 6h
M1.6	0.35		Thread T	blerance 8	Stainless 6g
M2	0.4				
M2.5	0.45	Mat	erial	4.8	A2 - A4
(M2.6)	0.45	Tenelle	Strength	60900	72500-101500
MB	0.5	Tenare	overiger	00300	72500-101500
(M3.5)	0.6	Vield 2	trength	49300	30450-65250
M4	0.7	Tield G	ucnyui	43300	30430-03230
M5	0.8	Hard	hess	HRB	NA
M6	1	Haro	licas	71-99.5	1965
(M8)	1.25				
(M10)	1.5		0	teel	Stainless Steel
Pro	operty Cl	ass	4	4.8	A2 - A4
	Finish		Plain /P	lated	Plain
		s Reques	sted, All I		DIN Number Indic crews Are Supplied nit The A.
Refer T		Are	Not Aval	lable in Di	
MDE	in block du				
		For	Dimensi	onal Inform	1580. Use M2.5 IS/ nation. Maximum Slot Depl

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