



Datasheet

RS Stock No: 9087674

Clear Passivated, Bright Zinc Plated Steel Pan Head

Machine Screws: Metric Thread



Pan Head Machine Screws are similar to Oval Head Machine Screws in that they have rounded sides, the difference being that Pan Head Machine Screws have a flat top rather than rounded. The cross recess drive, also known as Posidriv, is becoming a popular driving method with this type of fastener due to the ease of assembly with reduced driver slippage (Cam Out) which reduces the effect of surface damage. 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 84 standard
- Cross recess drive type
- 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 Philips screwdriver





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	Cross	Zinc Plated Steel	M2	8 mm	9087637
Pan Head	Cross	Zinc Plated Steel	M2	10 mm	9087646
Pan Head	Cross	Zinc Plated Steel	M2.5	5 mm	9087649
Pan Head	Cross	Zinc Plated Steel	M2.5	8 mm	9087643
Pan Head	Cross	Zinc Plated Steel	M2.5	10 mm	9087652
Pan Head	Cross	Zinc Plated Steel	M2.5	16 mm	9087655
Pan Head	Cross	Zinc Plated Steel	M3	4 mm	9087659
Pan Head	Cross	Zinc Plated Steel	M3	5 mm	9087668
Pan Head	Cross	Zinc Plated Steel	M3	8 mm	9087661
Pan Head	Cross	Zinc Plated Steel	M3.5	8 mm	9087665
Pan Head	Cross	Zinc Plated Steel	M3.5	10 mm	9087674
Pan Head	Cross	Zinc Plated Steel	M3.5	16 mm	9087677
Pan Head	Cross	Zinc Plated Steel	M3.5	25 mm	9087671
Pan Head	Cross	Zinc Plated Steel	M3.5	30 mm	9087680
Pan Head	Cross	Zinc Plated Steel	M4	5 mm	9087683
Pan Head	Cross	Zinc Plated Steel	M4	8 mm	9087687
Pan Head	Cross	Zinc Plated Steel	M4	35 mm	9087696
Pan Head	Cross	Zinc Plated Steel	M4	50 mm	9087699
Pan Head	Cross	Zinc Plated Steel	M5	6 mm	9087693
Pan Head	Cross	Zinc Plated Steel	M5	8 mm	9087703
Pan Head	Cross	Zinc Plated Steel	M5	30 mm	9087706
Pan Head	Cross	Zinc Plated Steel	M5	35 mm	9087700
Pan Head	Cross	Zinc Plated Steel	M5	50 mm	9087719





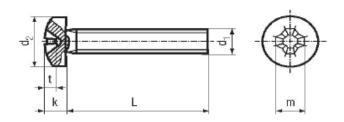
Please view our range listing below for more Clear Passivated, Zinc Plated Steel, Pan Head Machine Screws:

Head Shape	Drive Type	Material	Thread Size	Length	RS Part No.
Pan Head	Cross	Zinc Plated Steel	M6	30 mm	9087712
Pan Head	Cross	Zinc Plated Steel	M6	50 mm	9087716
Pan Head	Cross	Zinc Plated Steel	M8	16 mm	9087725
Pan Head	Cross	Zinc Plated Steel	M8	20 mm	9087728
Pan Head	Cross	Zinc Plated Steel	M8	25 mm	9087722
Pan Head	Cross	Zinc Plated Steel	M8	30 mm	9087731
Pan Head	Cross	Zinc Plated Steel	M8	40 mm	9087734
Pan Head	Cross	Zinc Plated Steel	M8	50 mm	9087738





PAN HEAD PHILLIPS MACHINE SCREWS DIN 7985 / ISO 7045 / JIS B 1111 /ANSI B 18.16.7 M



Head Diameter (d2)	Size d1	M1	.8	, h	A2	M	2.6	l h	A3	(M	3.6)	N	14	, ,	15	M	16		M8	M	10
Standard		min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max
DIN 7986 (1990)		2.9	3.2	3.7	4	4.7	5	5.7	6	6.64	7	7.64	8	9.64	10	11.57	12	15.57	16	19.48	20
ISO 7046 (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 1111 (1977)				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	.8	M	2	M	2.6	M	3	(M	3.6)	N	4	M	16	N	16		M8	M	10
Standard		min	max																		
DIN 7986 (1990)		1.18	1.42	1.48	1.72	1.88	2.12	2.28	2.52	2.58	2.82	2.95	3.25	3.65	3.95	4.45	4.75	5.85	6.15	7.32	7.68
180 7046 (1994)		1.16	1.3	1.46	1.6	1.96	2.1	2.26	2.4	2.46	2.6	2.92	3.1	3.52	3.7	4.3	4.6	5.7	6	7.14	7.5
JIS B 1111 (1977)				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)				1.4	1.6	1.9	2.1	2.2	2.4	2.3	2.6	2.8	3.1	3.4	3.7	4.3	4.6	5.6	6	7.1	7.5

Cross Recess Size (m)	Size d1	M1.6	M2	M2.6	M3	(M3.6)	M4	M6	MB	M8	M10
Standard											
DIN 7986 (1990)		0		1			2		3	4	
180 7046 (1994))		1		2		3	4	
JIS B 1111 (1977)				1			2			3	
ANSI B 18.18.7 M (1986)			0		1		2		3	4	

Cross Recess Penetration (t)	Size d1	M1	.8	N	12	M	2.6	, h	13	(Mi	3.6)	W	14	N.	16	W	18	-	M8	M	10
Standard		min	max																		
DIN 7986 (1990)		0.72	1.02	1.1	1.4	1.3	1.6	1.7	2	1.74	2.24	2.04	2.54	2.77	3.27	3.03	3.53	4.18	4.68	5.38	5.88
ISO 7046 (1994)		0.70	0.95	0.9	1.2	1.15	1.55	1.4	1.8	1.4	1.9	1.9	2.4	2.4	2.9	3.1	3.6	4	4.6	5.2	5.8
JIS B 1111 (1977)				0.6	1.01	1	1.42	0.86	1.43	1.15	1.73	1.45	2.03	2.14	2.73	2.26	2.86	3.73	4.36		
ANSI B 18.16.7 M (1986)				0.95	1.2	1.15	1.55	1.4	1.8	1.4	1.9	1.9	2.4	2.4	2.9	3.1	3.6	4	4.6	5.2	5.8

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Length Tolerance	DIN7985/	1807045
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
15	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	1111			
min	max	min	max	min	max	l
1.7	2					
2.7	3					
3.7	4					
4.6	5	4.4	5	4.2	5	
5.6	6	5.4	6	5.2	6	
7.6	8	7.4	8	7.2	8	l
9.6	10	9.4	10	9.2	10	
11.4	12	11.4	12	11	12	
15.4	16	15.4	16	15	16	
19.4	20	19.4	20	19	20	
24.2	25	24.2	25	24	25	
29.2	30	29.2	30	29	30	
34.2	35	34.2	35	34	35	l
39.2	40	39.2	40	39	40	l
		44	45	44	45	l
		49	50	49	50	l
		54	55	54	55	l
				59	60	l
						l
				69	70	l
						l
				79	80	l
				89	90	ı

	18.16.7 /	
min	max	
2.3		
2.3	2.7	
2.8	3.2	
5.7	4.3	
4.7	5.3	
5.7	6.3	
7.7	8.3	
9.7	10.3	
12.7	13.3	
15.7	16.3	
19.5	20.5	
24.5	25.5	
	-	
29.5	30.5	
34.5	35.5	l
39.5	40.5	ı
44.5	45.5	ı
49.5	50.5	
E4	56.5	
50	E4	l
54	66	l
50	71	ı
03	/1	
79	04	ı
	81	ı
89	91	ı

Diameters	8	Lengths	With () are	no	recommended	for
	_			,			
			new de	elan			

Threa	d Pitch		Thread	Tolerance	Plain 6g
Dla.	Pitch		Thread 1	Tolerance F	Plated 6h
M1.6	0.35	T	hread To	ierance St	tainless 6g
M2	0.4				
M2.5	0.45	Mat	erial	4.8	A2 - A4
(M2.6)	0.45			60900	72500-101500
M3	0.5	iensie	Strength	60900	/2500-101500
(M3.5)	0.6	Wald 0	trength	49300	30450-65250
M4	0.7	field o	acnyui	45300	30450-65250
M5	0.8	Hand	iness	HRB	NA.
M6	1	nare	incas	71-99.5	NA.
(M8)	1.25				
(M10)	1.5		8	teel	Stainless Steel
Pn	perty Cl	355	4	4.8	A2 - A4
	Finish		Plain /P	lated	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