



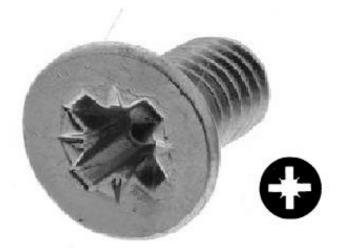
**ENGLISH** 

## **Datasheet**

**RS Stock No: 553510** 

Clear Passivated, Bright Zinc Plated Steel Countersunk

**Head Machine Screws: Metric Thread** 



Countersunk, also known as flat head machine screws, are designed for ease of assembly and these particular machine screws with their cross recess drives are a popular driving method with this type of fastener, as they allow the head to sink into the material. 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
- Cross recess drive type
- Threaded in accordance with DIN 965 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 Philips screwdriver





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

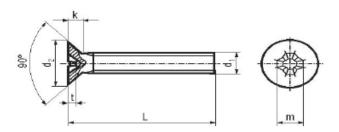
Head Shape	Drive Type	Material	Thread Size	Length	RS Part No.
Countersunk	Cross	Zinc Plated Steel	M3	6 mm	553396
Countersunk	Cross	Zinc Plated Steel	M3	12 mm	553403
Countersunk	Cross	Zinc Plated Steel	M3	20 mm	553419
Countersunk	Cross	Zinc Plated Steel	M4	12 mm	553425
Countersunk	Cross	Zinc Plated Steel	M4	16 mm	553431
Countersunk	Cross	Zinc Plated Steel	M4	20 mm	553447
Countersunk	Cross	Zinc Plated Steel	M4	25 mm	553453
Countersunk	Cross	Zinc Plated Steel	M5	12 mm	553469
Countersunk	Cross	Zinc Plated Steel	M5	16 mm	553475
Countersunk	Cross	Zinc Plated Steel	M5	20 mm	553481
Countersunk	Cross	Zinc Plated Steel	M5	25 mm	553497
Countersunk	Cross	Zinc Plated Steel	M6	12 mm	553504
Countersunk	Cross	Zinc Plated Steel	M6	16 mm	553510
Countersunk	Cross	Zinc Plated Steel	M6	20 mm	553526
Countersunk	Cross	Zinc Plated Steel	M6	25 mm	553532
Countersunk	Cross	Zinc Plated Steel	M6	40 mm	553548





## **ENGLISH**

## FLAT HEAD PHILLIPS MACHINE SCREWS DIN 965 / ISO7046 / JIS B 1111 / ANSI B 18.16.7 M



Head Diameter (d2)	Size d1	N	2	M	2.6		3	(M	3.5)	N	14		16	N.	18	M	8	N	W10
Standard		min	max	<u> </u>	max	min	max	min	max		max	min	max	min	max	min	max	min	max
DIN 986 (1990)		3.50	3.80	4.40	4.70	5.30	5.60	6.14	6.50	7.14	7.50	8.84	9.20	10.57	11.00	14.07	14.50	17.57	18.00
ISO 7048 (1984)		3.50	3.80	4.40	4.70	5.20	5.50	6.94	7.30	8.04	8.40	8.94	9.30	10.87	11.30	15.37	15.80	17.78	18.30
JIS B 1111 (1977)			4.00	4.60	5.00	5.50	6.00	6.50	7.00	7.50	8.00	9.40	10.00	11.30	12.00	15.20	16.00		
ANSI B 18.16.7 M (1986)		3.50		4.40		5.20		6.90		8.00		8.90		10.90		15.40		17.80	

Head Height (k)	Size d1	h	2	M	2.6	M	43	(M	3.5)	M	14	M	16	N	16	N	18	h	A10
Standard		min	max	min	max														
DIN 965 (1990)			1.20		1.50		1.65		1.93		2.20		2.50		3.00		4.00		5.00
ISO 7048 (1994)			1.20		1.50		1.65		2.35		2.70		2.70		3.30		4.65		5.00
JIS B 1111 (1977)		1.00	1.20	1.25	1.45	1.45	1.75	1.70	2.00	2.00	2.30	2.50	2.80	3.00	3.40	4.00	4.40		
ANSI B 18.16.7 M (1986)			1.20		1.50		1.70		2.30		2.70		2.70		3.30		4.60		5.00

Cross Recess Size (m)	Size d1	M2	M2.6	M3	(M3.5)	M4	M6	MB	MS	M10
Standard										
DIN 986 (1990)			1			2		3		4
ISO 7048 (1994)		0		1		2		3		4
JIS B 1111 (1977)			1			2			3	
ANSI R 18 18 7 M (1986)		П		1		,		3		4

Cross Recess Penetration (t)	Size d1	N	2	M	2.6		13	(M	3.5)	N	14		16	N	18	N	18	h	A10
Standard		min	max																
DIN 986 (1990)		0.95	1.25	1.25	1.55	1.50	1.80	1.40	1.90	1.90	2.40	2.10	2.60	2.80	3.30	3.90	4.40	4.80	5.30
ISO 7048 (1984)		0.90	1.20	1.40	1.80	1.70	2.10	1.90	2.40	2.10	2.60	2.70	3.20	3.00	3.50	4.00	4.60	5.10	5.70
JIS B 1111 (1977)		0.65	1.01	1.05	1.42	0.91	1.43	1.40	1.93	1.79	2.33	2.38	2.93	2.70	3.26	4.36	4.96		
ANSI B 18.16.7 M (1986)		1.25	1.55	1.40	1.80	1.70	2.10	1.70	2.20	2.10	2.60	2.70	3.20	3.00	3.50	4.00	4.60	5.10	5.70

Length Tolerance	DIN965/IS	07046
Nominal Length	min	max
2		
2.5		
3	2.80	3.20
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	34.50	35.50
40	39.50	40.50
45	44.50	45.50
50	49.50	50.50
(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	88.90	91.10

		JIS B	1111		
min	max	min	max	min	max
1.7	2				
2.7	m				
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
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
39.2	40	39.2	40	39	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	ı
23	27	l
2.8	3.2	ı
3.7	4.3	ı
4.7	5.3	ı
5.7	6.3	ı
7.7	8.3	
9.7	10.3	ı
11.7	12.3	
15.7	16.3	ı
-		ı
19.5	20.5	ı
		ı
24.5	25.5	ı
20.5	20.5	ı
34.5	35.5	
39.5	40.5	
44.5	45.5	ı
49.5	50.5	ı
54	56	
59	61	ı
64	55	
- 03	71	ı
79	81	
89	91	ı

Diameters &	Lengths	With (	) are not
recomme	mueu ioi	liam de	sign.

Threa	d Pitch		Thread	Tolerance	Plain 6g						
Dla.	Pitch		Thread 1	folerance i	ice Plated 6h						
M1.5	0.35	1	hread To	ierance St	rance Stainless 6g						
M2	0.4										
M2.5	0.45	Mat	erial	4.8	A2 - A4						
(M2.6)	0.45	Tennin	Strength	60900	72500-101500						
M3	0.5	iensie	strength	60900	/2500F101500						
(M3.5)	0.6	Visid 0	trength	49300	30450-65250						
M4	0.7	TIERU O	acigai	45500	30450-65250						
M5	0.8	Used	iness	HRB	NA.						
M6	- 1	Haro	ness	71-99.5	NA.						
(MB)	1.25										
(M10)	1.5		8	teel	Stainless Steel						
Pro	operty CI	355	٠	4.8	A2 - A4						
	Finish		Plain /P	ated	Plain						

DIN 965 (1990)	Do Not Specify A
180 7046 (1994)	Minimum Head Height
ANSI B 18.16.7 M (1985)	Minimum Head Height

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