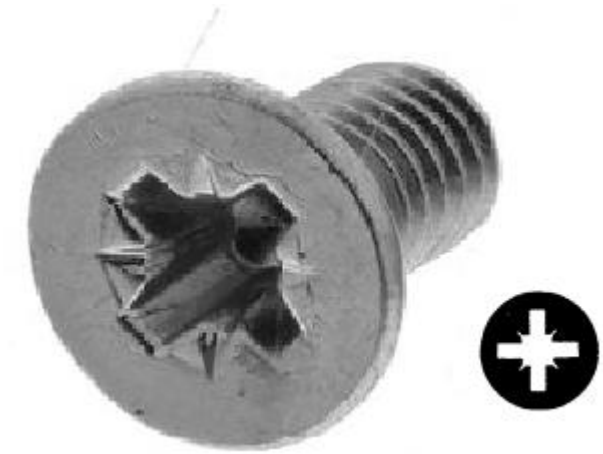
ENGLISH

Datasheet

RS Stock No: 9087475

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 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	M2.5	6 mm	9087463
Countersunk	Cross	Zinc Plated Steel	M2.5	8 mm	9087472
Countersunk	Cross	Zinc Plated Steel	M2.5	10 mm	9087475
Countersunk	Cross	Zinc Plated Steel	M2.5	12 mm	9087479
Countersunk	Cross	Zinc Plated Steel	M3	5 mm	9087488
Countersunk	Cross	Zinc Plated Steel	M3	8 mm	9087481
Countersunk	Cross	Zinc Plated Steel	M3	10 mm	9087485
Countersunk	Cross	Zinc Plated Steel	M3	16 mm	9087494
Countersunk	Cross	Zinc Plated Steel	M3	25 mm	9087497
Countersunk	Cross	Zinc Plated Steel	M3.5	12 mm	9087491
Countersunk	Cross	Zinc Plated Steel	M3.5	20 mm	9087501
Countersunk	Cross	Zinc Plated Steel	M4	6 mm	9087504
Countersunk	Cross	Zinc Plated Steel	M4	8 mm	9087508
Countersunk	Cross	Zinc Plated Steel	M4	10 mm	9087517
Countersunk	Cross	Zinc Plated Steel	M4	30 mm	9087510
Countersunk	Cross	Zinc Plated Steel	M4	40 mm	9087514
Countersunk	Cross	Zinc Plated Steel	M4	50 mm	9087523
Countersunk	Cross	Zinc Plated Steel	M5	6 mm	9087526
Countersunk	Cross	Zinc Plated Steel	M5	8 mm	9087520
Countersunk	Cross	Zinc Plated Steel	M5	10 mm	9087539
Countersunk	Cross	Zinc Plated Steel	M5	30 mm	9087532
Countersunk	Cross	Zinc Plated Steel	M5	35 mm	9087536
Countersunk	Cross	Zinc Plated Steel	M5	40 mm	9087545
Countersunk	Cross	Zinc Plated Steel	M5	50 mm	9087548

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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	M6	10 mm	9087542
Countersunk	Cross	Zinc Plated Steel	M6	30 mm	9087551
Countersunk	Cross	Zinc Plated Steel	M6	35 mm	9087554
Countersunk	Cross	Zinc Plated Steel	M6	50 mm	9087558
Countersunk	Cross	Zinc Plated Steel	M8	20 mm	9087560
Countersunk	Cross	Zinc Plated Steel	M8	25 mm	9087564
Countersunk	Cross	Zinc Plated Steel	M8	30 mm	9087573
Countersunk	Cross	Zinc Plated Steel	M8	35 mm	9087576
Countersunk	Cross	Zinc Plated Steel	M8	40 mm	9087570
Countersunk	Cross	Zinc Plated Steel	M8	50 mm	9087589
Countersunk	Cross	Zinc Plated Steel	M8	60 mm	9087567

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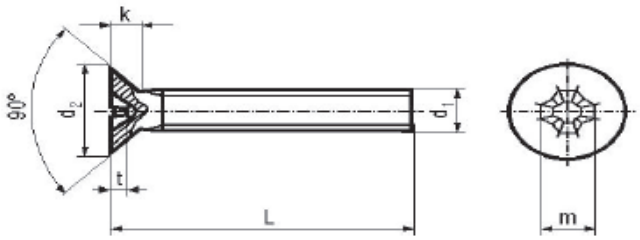
FLAT HEAD PHILLIPS MACHINE SCREWS DIN 965 / ISO7046 / JIS B 1111 / ANSI B 18.16.7 M



Head Diameter (d2)	Size d1	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
DIN 965 (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 7046 (1994)		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	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
DIN 965 (1990)			1.20		1.50		1.65		1.93		2.20		2.50		3.00		4.00		5.00		
ISO 7046 (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	M2.5	M3	(M3.5)	M4	M5	M6	M8	M8	M10
Standard											
DIN 965 (1990)		1				2		3		4	
ISO 7046 (1994)		0	1			2		3		4	
JIS B 1111 (1977)		1				2		3			
ANSI B 18.16.7 M (1986)		0	1			2		3		4	

Cross Recess Penetration (t)	Size d1	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
DIN 965 (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 7046 (1994)		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/ISO7046		JIS B 1111						ANSI B 18.16.7 M	
Nominal Length	min	max	min	max	min	max	min	max	min	max
2			1.7	2						
2.5									2.3	2.7
3	2.80	3.20	2.7	3					2.8	3.2
4	3.76	4.24	3.7	4					3.7	4.3
5	4.76	5.24	4.6	5	4.4	5	4.2	5	4.7	5.3
6	5.76	6.24	5.6	6	5.4	6	5.2	6	5.7	6.3
8	7.71	8.29	7.6	8	7.4	8	7.2	8	7.7	8.3
10	9.71	10.29	9.6	10	9.4	10	9.2	10	9.7	10.3
12	11.65	12.35	11.4	12	11.4	12	11	12	11.7	12.3
(14)	13.65	14.35								
16	15.65	16.35	15.4	16	15.4	16	15	16	15.7	16.3
(18)	17.65	18.35								
20	19.58	20.42	19.4	20	19.4	20	19	20	19.5	20.5
(22)	21.58	22.42								
25	24.58	25.42	24.2	25	24.2	25	24	25	24.5	25.5
(28)	27.58	28.42								
30	29.58	30.42	29.2	30	29.2	30	29	30	29.5	30.5
35	34.50	35.50	34.2	35	34.2	35	34	35	34.5	35.5
40	39.50	40.50	39.2	40	39.2	40	39	40	39.5	40.5
45	44.50	45.50			44	45	44	45	44.5	45.5
50	49.50	50.50			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	88.90	91.10					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	
(M2.6)	0.45	
M3	0.5	
(M3.5)	0.6	
M4	0.7	
M5	0.8	
M6	1	
(M8)	1.25	
(M10)	1.5	

Material	4.8	A2 - A4
Tensile Strength	60900	72500-101500
Yield Strength	49300	30450-65250
Hardness	HRB 71-99.5	NA

Property Class	Steel 4.8	Stainless Steel A2 - A4
Finish	Plain /Plated	Plain

DIN 965 (1990)
ISO 7046 (1994)
ANSI B 18.16.7 M (1986)

Do Not Specify A Minimum Head Height

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.