ENGLISH

Datasheet

RS Stock No: 9087368

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 slotted drive types are the most popular. 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
- Slotted drive type
- Threaded in accordance with DIN 963 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

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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	Slot	Zinc Plated Steel	M2.5	10 mm	9087356
Countersunk	Slot	Zinc Plated Steel	M2.5	20 mm	9087365
Countersunk	Slot	Zinc Plated Steel	M3	8 mm	9087368
Countersunk	Slot	Zinc Plated Steel	M3	10 mm	9087362
Countersunk	Slot	Zinc Plated Steel	M3	16 mm	9087371
Countersunk	Slot	Zinc Plated Steel	M3	25 mm	9087374
Countersunk	Slot	Zinc Plated Steel	M3.5	6 mm	9087378
Countersunk	Slot	Zinc Plated Steel	M3.5	10 mm	9087387
Countersunk	Slot	Zinc Plated Steel	M3.5	12 mm	9087380
Countersunk	Slot	Zinc Plated Steel	M3.5	16 mm	9087384
Countersunk	Slot	Zinc Plated Steel	M3.5	20 mm	9087393
Countersunk	Slot	Zinc Plated Steel	M3.5	25 mm	9087396
Countersunk	Slot	Zinc Plated Steel	M4	6 mm	9087390
Countersunk	Slot	Zinc Plated Steel	M4	8 mm	9087400
Countersunk	Slot	Zinc Plated Steel	M4	10 mm	9087403
Countersunk	Slot	Zinc Plated Steel	M4	30 mm	9087407
Countersunk	Slot	Zinc Plated Steel	M4	40 mm	9087416
Countersunk	Slot	Zinc Plated Steel	M4	50 mm	9087419
Countersunk	Slot	Zinc Plated Steel	M5	10 mm	9087413
Countersunk	Slot	Zinc Plated Steel	M5	30 mm	9087422
Countersunk	Slot	Zinc Plated Steel	M5	35 mm	9087425
Countersunk	Slot	Zinc Plated Steel	M5	40 mm	9087429
Countersunk	Slot	Zinc Plated Steel	M5	50 mm	9087438

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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	Slot	Zinc Plated Steel	M6	10 mm	9087431
Countersunk	Slot	Zinc Plated Steel	M6	30 mm	9087435
Countersunk	Slot	Zinc Plated Steel	M6	35 mm	9087444
Countersunk	Slot	Zinc Plated Steel	M6	50 mm	9087447
Countersunk	Slot	Zinc Plated Steel	M6	60 mm	9087441
Countersunk	Slot	Zinc Plated Steel	M8	20 mm	9087450
Countersunk	Slot	Zinc Plated Steel	M8	25 mm	9087453
Countersunk	Slot	Zinc Plated Steel	M8	30 mm	9087457
Countersunk	Slot	Zinc Plated Steel	M8	40 mm	9087466
Countersunk	Slot	Zinc Plated Steel	M8	50 mm	9087469

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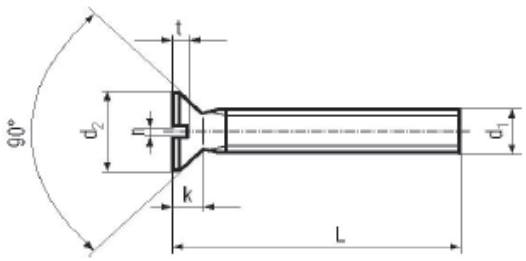
FLAT HEAD SLOTTED MACHINE SCREWS DIN 963 / ISO 2009 / JIS B 1101 / ANSI B 18.16.7 M



Head Diameter (d2)	Size d1	M1.6		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	min	max
DIN 963 (1980)		2.86	3.00	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 2009 (1994)		2.70	3.00	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 1101 (1977)		2.80	3.20	3.60	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 (1985)				3.50		4.40		5.20		6.90		8.00		8.90		10.90		15.40		17.80			

Head Height (k)	Size d1	M1.6		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	min	max
DIN 963 (1980)			0.96		1.20		1.50		1.65		1.93		2.20		2.50		3.00		4.00		5.00		
ISO 2009 (1994)			1.00		1.20		1.50		1.65		2.35		2.70		2.70		3.30		4.65		5.00		
JIS B 1101 (1977)		0.85	0.95	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 (1985)					1.20		1.50		1.70		2.30		2.70		2.70		3.30		4.60		5.00		

Slot Width (n)	Size d1	M1.6		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	min	max
DIN 963 (1980)		0.46	0.60	0.56	0.70	0.66	0.80	0.86	1.00	0.86	1.00	1.06	1.20	1.26	1.51	1.66	1.91	2.06	2.31	2.56	2.81		
ISO 2009 (1994)		0.46	0.60	0.56	0.70	0.66	0.80	0.86	1.00	1.06	1.20	1.26	1.51	1.26	1.51	1.66	1.91	2.06	2.31	2.56	2.81		
JIS B 1101 (1977)		0.40	0.55	0.60	0.75	0.80	0.95	0.80	0.95	1.00	1.15	1.00	1.15	1.20	1.40	1.20	1.40	1.60	1.80				
ANSI B 18.16.7 M (1985)				0.50	0.70	0.60	0.80	0.80	1.00	1.00	1.20	1.20	1.50	1.20	1.50	1.60	1.90	2.00	2.30	2.50	2.80		

Slot Depth (t)	Size d1	M1.6		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	min	max
DIN 963 (1980)		0.32	0.45	0.40	0.60	0.50	0.70	0.60	0.85	0.70	1.00	0.80	1.10	1.00	1.30	1.20	1.60	1.60	2.10	2.00	2.60		
ISO 2009 (1994)		0.32	0.50	0.40	0.60	0.50	0.75	0.60	0.85	0.90	1.20	1.00	1.30	1.10	1.40	1.20	1.60	1.80	2.30	2.00	2.60		
JIS B 1101 (1977)		0.30	0.40	0.40	0.60	0.50	0.70	0.60	0.80	0.65	0.95	0.75	1.05	0.90	1.30	1.15	1.65	1.50	2.10				
ANSI B 18.16.7 M (1985)				0.40	0.60	0.50	0.70	0.60	0.90	0.90	1.20	1.00	1.30	1.10	1.40	1.20	1.60	1.80	2.30	2.00	2.60		

Length Tolerance	DIN963/ISO2009		JIS B 1101				ANSI B 18.16.7 M	
Nominal Length	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	4.7	5.3
6	5.76	6.24	5.6	6	5.4	6	5.7	6.3
8	7.71	8.29	7.6	8	7.4	8	7.7	8.3
10	9.71	10.29	9.6	10	9.4	10	9.7	10.3
12	11.65	12.35	11.4	12	11.4	12	11.7	12.3
(14)	13.65	14.35						
16	15.65	16.35	15.4	16	15.4	16	15.7	16.3
(18)	17.65	18.35						
20	19.58	20.42	19.4	20	19.4	20	19.5	20.5
(22)	21.58	22.42						
25	24.58	25.42	24.2	25	24.2	25	24.5	25.5
(28)	27.58	28.42						
30	29.58	30.42	29.2	30	29.2	30	29.5	30.5
35	34.50	35.50	34.2	35	34.2	35	34.5	35.5
40	39.50	40.50	39.2	40	39.2	40	39.5	40.5
45	44.50	45.50			44	45	44.5	45.5
50	49.50	50.50			49	50	49.5	50.5
(55)	54.05	55.95			54	55	54	56
60	59.05	60.95					59	61
(65)	64.05	65.95					64	66
70	69.05	70.95					69	71
(75)	74.05	75.95						
80	79.05	80.95					79	81
90	88.90	91.10					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

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

DIN 963 (1980) ISO 2009 (1994) ANSI B 18.16.7 M (1985)	Do Not Specify A Minimum Head Height

ANSI B 18.16.7 M (1985)	Does Not Specify A Maximum Head Diameter

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.