



Datasheet

RS Stock No: 292467

Steel Black Self-Colour, Hexagon Countersunk Socket Screws: Metric Thread



Countersunk socket screws are designed for light duty applications where there is limited space. These screws are widely used in many applications where a strong and reliable joint is required. Typically, countersunk socket screws are used to fasten plates and strips of metal to equipment and machinery as their flat head allows a flush, flat finish. This range of socket screws is made of mild steel and if painted or suitably treated these screws can be used outside.

- Threaded in accordance with DIN 7991 Standard
- Mild Steel
- Suitable for light fastening applications
- Typical applications include; machine tooling, security guarding, panel building and general fastening applications
- · Also used in many internal joinery applications
- Requires a Hex key / Allen key





ENGLISH

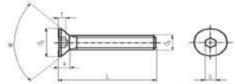
Please view our full range listing below for all Steel Black Self-Colour, Hexagon Countersunk Socket Screws:

Head Shape	Material	Thread Size	Length	RS Part No.			
Hex Socket Countersunk	Steel	M3	6 mm	281372			
Hex Socket Countersunk	Steel	M3	8 mm	281388			
Hex Socket Countersunk	Steel	M3	10 mm	281394			
Hex Socket Countersunk	Steel	M3	12 mm	281401			
Hex Socket Countersunk	Steel M3 16 mm 292		292423				
Hex Socket Countersunk	Steel	M3	20 mm	292439			
Hex Socket Countersunk	Steel	M4	8 mm	281417			
Hex Socket Countersunk	Steel	M4	10 mm	281423			
Hex Socket Countersunk	Steel	M4	281439				
Hex Socket Countersunk	Steel	M4	16 mm	281445			
Hex Socket Countersunk	Steel	M4	20 mm	292445			
Hex Socket Countersunk	Steel	M4	25 mm	292451			
Hex Socket Countersunk	Steel	M5	10 mm	281451			
Hex Socket Countersunk	Steel	M5	12 mm	281467			
Hex Socket Countersunk	Steel	M5	16 mm	281473			
Hex Socket Countersunk	Steel	M5	20 mm	281489			
Hex Socket Countersunk	Steel	M5	25 mm	292467			
Hex Socket Countersunk	Steel	M5	30 mm	292473			
Hex Socket Countersunk	Steel	M6	10 mm	281495			
Hex Socket Countersunk	Steel	M6	16 mm	281502			
Hex Socket Countersunk	Steel	M6	20 mm	281518			
Hex Socket Countersunk	Steel	M6	25 mm	281524			
Hex Socket Countersunk	Steel	M6	30 mm	292489			
Hex Socket Countersunk	Steel	M6	35 mm	292495			
Hex Socket Countersunk	Steel	M6	40 mm	8229142			
Hex Socket Countersunk	Steel	M6	50 mm	8229145			
Hex Socket Countersunk	Steel	M8	16 mm	281546			
Hex Socket Countersunk	Steel	M8	20 mm	281552			
Hex Socket Countersunk	Steel	M8	25 mm	281568			
Hex Socket Countersunk	Steel	M8	30 mm	292502			
Hex Socket Countersunk	Steel	M8	35 mm	292518			
Hex Socket Countersunk	Steel	M8	40 mm	8229149			
Hex Socket Countersunk	Steel	M8	50 mm	8229158			
Hex Socket Countersunk	Steel	M8	75 mm	8229151			





FLAT HEAD SOCKET CAP SCREWS DIN 7991 / ISO 10642 / ANSI B18.3.5M





Lindstrom Metric, LLC will supply all Flat Head Socket Cap Screws With Full Thread, not according to below formulas.

Impage Size of	r		(M2)	(M2.5)	M3	M4	MS	M6	MB	MIU	M12	(M14)	Mite	(M18)	M20	(M22)	M24
Thread Pitch	-		0.4	0.45	0.5	0.7	0.8	- 1	1.25	1.5	1.75	2	2	2.5	25	2.5	3
Head Angle a	-		90*	90*	90"	90*	90*	907	90*	90*	90*	90"	90*	90*	90*	60*	60*
The second s	For Length	s s126mm	10	11	12	14	16	18	22	26	30	34	38	42	46	50	54
DIN 7991 Thread Length Formula	For Le >125mm							24	28	32	36	40	44	48	52	56	60
	For Lengths	s>200 mm			1 1				J.	45	49	53	57	61	65	69	73
	ISO 10642 & ANSI 818.3.5M use a shank length / grtp length formula to determine thread length Refer to full ISO or ANSI standard for more detail														etalle.		
DIN 7991	mi	n.	3.7	4.7	5.7	7.64	9.64	11.57	15.57	19.48	23.48	26.48	29.48	32.38	35.35	35.38	38.30
Head Dia. d2	max. = 1	iominal	4.0	5.0	6.0	8.00	10.00	12.00	16.00	20.00	24.00	27.00	30.00	33.00	36.00	36.00	39.00
150 10642	m	n			5.54	7.53	9.43	11.34	15.24	19.22	23.12	26.52	29.01	Starse 3	36.05	10000	
Head Dia. d2	max th	eorefical		- 92	6.72	8.96	11.20	13,44	17.92	22,40	26.88	30.60	33.60	0	40.32	S - 1	
ANSI B18.3.5M	mi	and a read of the second s	_		5.35	7,80	9.75	11.70	15,65	19.50	23.40	26.18	23.76	_	34.60	_	
Head Dia. D2	max th	eoretical			6.72	8.96	11.20	13,44	17.92	22.40	26.88	30.24	33.60		40.32		_
	150 10642	& ANSI B	18.3.5M which	use a the	oretical vi having the	alue for th maximum	e max he n head si	ead dian ize will f	seler, wit It flush.	Ich repri-	full ISO	e exact di or ANSI a	ameter of landard fo	a hole co r more de	unteraun dalle.	k to exact	ay 30°
DIN 7991 Head Height k	ma	R.	1.2	1.5	1.7	2.3	2.8	3,3	4.4	5,5	6.5	7	7.5	8	8.5	13.1	14
ISO 10642 Head Height k	max reference				1.66	2.48	3.10	3.72	4.96	6.20	7.44	8.40	8.80		10,16		
ANSI B18.3.5M Head Height k	SI B18.3.SM max = taSetance				1.86	2.48	3.10	3.72	4.96	6,20	7.44	8.12	8.80		10.16		
		150 10	642 & A										ANSI etar		more det	alle.	•
			1	-		-			_		-		udes the t				1
DIN 7991	Nomina		1.3	1.5	2	25	3	4	5 5.02	6	8 025	10	10	12	12	14	14
Key Size a	m		1.275	1.545	2.02	2.52	3.02	10,000	1. Mar.	6.02	- Million	10.025	10,025	12.032	12.032	14.032	14.03
1459 1550 159	Nomina		1,300	1,520	2.10	2.60	3.10	4.12	5.14	6 14	8.175	10.175	10.175	12212	12,212	14,212	14,21
ISO 10642 Key Size s	mi	-	-		2.02	2.52	3.02	4.020	5.02	6.02	8.025	10.025	10.025		12.032		
	110		<u> </u>	- 3	2.05	2.58	3.08	4.095	5.14	6.14	8.175	10.175	10.175		12.212		
AND DAY & DOUDTING	Nomina				2	2.5	3	4	5	6	8	10	10		12		-
AN\$1 B18.3.5M	mi		1.1	8	2.020	2.52	3.020	4.020	5.020	6.020	8.025	10.025	10.025		12.032	(2) 1	
Key Size a	ma	DK.			2.045	2.56	3.071	4.084	5.084	6.095	8.115	10.115	10.115		12.142		
DBI 7391 Key Engagement t	min. 0.75		0.8	0.950	1.55	2.05	2.25	3.2	4.1	4.3	4.5	5.0	5.2	5.6	8.44	9.87	
ISO 10642 Key Engagement t	min.			1,100	1.50	1.90	2.20	3.0	3.6	4.3	4.5	4.8		5.6			
ANSI B18.3.5M Key Engagement t	min,		15	1.100	1.50	1.90	2.20	3.0	3.6	4.3	4.7	4.8		5.6			
Length Tolerance	DIN 7991/	150 10642	ANSI	18.3.5M	Length T	olerance	DIN 795		ANSI D	18.3.5M							
Nominal Length	min	max	min	max	Nominal Length		min	max	min	max		Nobce					
(4)	3.76	4.24	3.7	4.3	30 35 40		29.58	30.42	29.5	30.5		Diameters and or Lengths shown with () are not shown in some standards are not recommended for					
(5)	4.76	5.24	4.7	5.3			34.5	35.5	34.5	35.5							
(6)	5.76	6.24	. 5.7	6.3			39.5	40.5	39.5	40.5		use in ne			v design.		
8	7.71	8.29	7.7	8.3	. 4		44.5	45.5	44.5	45.5		14					
10	9.71	10,29	9.7	10.3	5		49.5	50.5	49.5	\$0.5		_					
12	11.65	12.35	11,7	12.3	(55)		54.4	55.6	54.5	55.5		DIN 7391, ISO 10642, and ANSI B18.3.5M are no intended for high strength applications. The on purpose of having them produced in property of					
(14)	13.65	14.35	13.7	14.3	60		59.4 64.4	60.6	59.5 64.2	60.5							
(15)	15.65	16.30	10.7	16.5	(65)		69.4	70.6	69.2	70.8							
20	17.65	20.42	19.5	20.5	(75)		74.4	75.6	74.2	75.8		10.5 or 12.9 is to increase the wear red socket drive.					
(22)	21.58	20.42	21.5	20.5			79.4	10.0	79.2	80.8						0.01	2002
25	24.58	25.42	24.5	25.5		0	89.3	90.7	89.2	90.8							
(28)	27.58	28.42	27.5	28.5	_	00	99.3	100.7	99.2	100.8							
	_	1000		-			_			1							
222.37			_	991/150			AN	SI B18.3	Mc	2							
			Steel		Stainless Steel		Steel										
Material				10					_	8							
Material Property Class Finish		Ste 10. Fumace	9	10	A2 & A4 Plain			12.9 hace Big		j.							