



**ENGLISH** 

## **Datasheet**

**RS Stock No: 281568** 

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





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

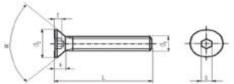
Head Shape	Material	Thread Size	Length	RS Part No.
Hex Socket Countersunk	Steel	M3	6 mm	281372
Hex Socket Countersunk	Steel	M3	8 mm	281388
Hex Socket Countersunk	Steel	M3	10 mm	281394
Hex Socket Countersunk	Steel	M3	12 mm	281401
Hex Socket Countersunk	Steel	M3	16 mm	292423
Hex Socket Countersunk	Steel	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	12 mm	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





# **ENGLISH**

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



### \*\*\*\*\*\*\*\*Notice\*\*\*\*\*\*\*\*

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

110,692 2159 01		(M2)	(M2.5)	MJ	M4	MS	M6	MB	MIU	M12	(M14)	M16	(M18)	MQU	(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	2.5	2.5	2
Head Angle a		90"	90*	90"	90*	90"	90"	90"	90"	90*	90"	90"	90"	90"	60"	60"
	For Lengths s125mm	10	11	12	14	16	18	22	26	30	34	38	42	46	50	54
DIN 7991 Thread Length Formula	For Lengths >125mms200mm						24	28	32	36	40	44	48	52	56	60
	Individual Control of the Control of			.,					45	49	53	57	61	65	69	73
	For Lengths > 200 mm									72	- 00				.00	10
	For Lengths >200 mm ISO 10642 & ANSI	818.3.5	M use a	shank len	gth / grip	length fo	rmula to	determ			Maria	and the second		Section 1994	. Stewart	
DIN 7991	The state of the s	818.3.4	M use a :	shank len	gth / grtp 7.64	length fo	rmula to	determin			Maria	and the second		Section 1994	. Stewart	
DIN 7991 Head Dia, d2	ISO 10642 & ANSI								ine threa	d length.	- Refer to	full ISO o	r ANSI eta	ndard fo	r more de	state. 38.36
	ISO 10642 & ANSI	3.7	4.7	5.7	7.64	9.64	11.57	15.57	ine threa	d length. 23.48	- Refer to	full ISO o	7 ANSI eta 32.38	ndard to	7 more de	italia.
Head Dia, d2	ISO 10642 & ANSI Min. Max. = nominal	3.7	4.7	5.7	7.64	9.64	11.57	15.57	19.48 20.00	23.48 24.00	- Refer to 26.48 27.00	29.48 30.00	7 ANSI eta 32.38	35.38 36.00	7 more de	stalle. 38.36
Head Dla. d2 ISO 10642	ISO 10642 & ANSI Min. Max. – nominal Min.	3.7	4.7	5.7 6.0 5.54	7.64 8.00 7.53	9.64 10.00 9.43	11.57 12.00 11.34	15.57 16.00 15.24	19.48 20.00 19.22	23.48 24.00 23.12	- Refer to 26.48 27.00 26.52	29.48 30.00 29.01	7 ANSI eta 32.38	35.36 36.00 36.05	7 more de	state. 38.36

DIN 7991 Head Height k	max.	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			1.86	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	max reference			1.86	2.48	3.10	3.72	4.96	6,20	7.44	8.12	8.80		10.16		
	150 10	0642 & A	NSI B18.	3.5M show	Head He	light k as	a refere	nce poir	nt only	Refer to t	full ISO of	ANSI star	ndard for	more deta	ille.	
			For Di	N 7991 / IS	0 10642	ANSI B	8.3.5M,	the over	radi lengt	th of the o	crew inci	udes the t	read.			
Day 2004	Nominal Size	1.3	1.5	2	2.5	3	4	- 5	- 6	8	10	10	12	12	14	14
DIN 7991 Key Size s	min.	1.275	1.545	2.02	2.52	3.02	4.02	5,02	5.02	8.025	10.025	10,025	12,032	12.032	14,032	14,032
nay ease	max	1,300	1.520	2.10	2.60	3.10	4.12	5.14	6,14	8.175	10.175	10.175	12.212	12,212	14,212	14,212
150 10642	Nominal Size		7	2	2.5	3	4	5	- 6	- 8	10	10	1	12		
Key Size s	min.		- 0	2.02	2.52	3.02	4.020	5.02	6.02	8.025	10.025	10,025	-	12.032	100	
	max.		100	2.06	2.58	3.08	4.095	5.14	6,14	8.175	10.175	10,175	9	12.212	0 1	
ANSI B18.3.5M	Nominal Size		100	2	2.5	3	4	. 5	- 6	8	10	10		12	S	
Key Size a	min.		- 8	2.020	2.52	3,020	4.020	5.020	6.020	8,025	10.025	10.025		12.032	20	
	max			2.045	2.56	3.071	4.084	5.084	6.095	8.115	10,115	10.115		12,142		
DRI 7991 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.		- 2	1,100	1.50	1.90	2.20	3.0	3.6	4.3	4.5	4.8		5.6	1	
ANSI B18.3.5M Key Engagement t	min,		- 1	1.100	1.50	1.90	2.20	3.0	3.6	4.3	4.7	4.8	1	5.6		

Length Tolerance	DIN 7991 / ISO 10642		ANSI B	18.3.5M	Length Tolerance	DIN 795	11/150	ANSI B18.3.5M		
Nominal Length	min	max	min	max	Nominal Length	min	max	min	max	
(4)	3.76	4.24	3.7	4.3	30	29.58	30.42	29.5	30.5	
(5)	4.76	5.24	4.7	5.3	35	34.5	35.5	34.5	35.5	
(6)	5.76	6.24	5.7	6.3	40	39.5	40.5	39.5	40.5	
8	7.71	8.29	7.7	8.3	45	44.5	45.5	44.5	45.5	
10	9.71	10.29	9.7	10.3	50	49.5	50.5	49.5	50,5	
12	11.65	12.35	11.7	12.3	(55)	54.4	55.6	54.5	55.5	
(14)	13.65	14.35	13.7	14.3	60	59.4	60.6	59.5	60.5	
16	15.65	16.35	15.7	16.3	(65)	64.4	65.6	64.2	65.8	
(18)	17.65	18.35	17.5	15.5	70	69.4	70.6	69.2	70.8	
20	19.58	20.42	19.5	20,5	(75)	74.4	75.6	74.2	75.8	
(22)	21.58	22.42	21.5	22.5	80	79.4	80.6	79.2	80.8	
25	24.58	25.42	24.5	25.5	90	89.3	90.7	89.2	90.8	
(28)	27.58	28.42	27.5	28.5	100	99.3	100.7	99.2	100.8	

	DIN 799	ANSI B18.3.5M	
Material	Steel	Stainless Steel	Steel
Property Class	10.9	A2 8 A4	12.9
Finish	Furnace Black	Plain	Furnace Black
Thread Tolerance	- 6g	6g	4g5g

Diameters and or Lengths shown with ( ) are not shown in some standards are not recommended for use in new design.

### -----Notice-----

DIN 7991, ISO 10642, and ANSI B18.3.5M are not intended for high strength applications. The only purpose of having them produced in property class 10.3 or 12.9 is to increase the wear resistance of the socket drive.