



ENGLISH

Datasheet

Stock No: 8229338

Steel Black Self-Colour, Hexagon Socket Button Head

Screws: Metric Thread



Button Head Socket Screws are designed for light duty. They have a similar thread design as a Socket Cap Screw although the dome shaped head is wider and has a lower profile than a Socket Cap Screw, presenting an aesthetic appearance to an assembly. These fasteners are ideal when a wider bearing surface is required.

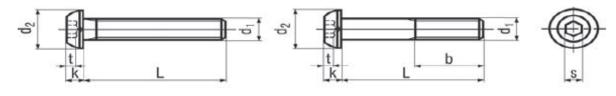
Self-colour steel is an uncoated mild steel and is used in applications where corrosion resistance is not required. If painted or suitably treated these self-colour button head socket screws can be used in outdoor applications.

- 10.9 grade black, self-colour steel
- Threaded in accordance with ISO 7380 standard
- Used in applications where a wider head and lower profile is required
- Suitable for light fastening applications
- Typical applications include; machine tooling, security guarding and many internal joinery applications
- Requires a Hex Key/Allen Key

Please view our full range listing below for all Steel Black Self-Colour Hexagon Socket Button Head Screws

Head Shape	Material	Thread Size	Length	RS Part No.
Hex Socket Button	Steel	M2	3 mm	431965
Hex Socket Button	Steel	M2	6 mm	431971
Hex Socket Button	Steel	M2	3 mm	431993
Hex Socket Button	Steel	M2	6 mm	432637
Hex Socket Button	Steel	M2	8 mm	432643
Hex Socket Button	Steel	M3	3 mm	529905
Hex Socket Button	Steel	M3	6 mm	529911
Hex Socket Button	Steel	M3	12 mm	529927
Hex Socket Button	Steel	M4	4 mm	529933
Hex Socket Button	Steel	M4	6 mm	529949
Hex Socket Button	Steel	M4	12 mm	529955
Hex Socket Button	Steel	M5	5 mm	529961
Hex Socket Button	Steel	M5	8 mm	529977
Hex Socket Button	Steel	M5	10 mm	529983
Hex Socket Button	Steel	M5	12 mm	529999
Hex Socket Button	Steel	M5	6 mm	8229338
Hex Socket Button	Steel	M6	10 mm	281669
Hex Socket Button	Steel	M6	6 mm	530006
Hex Socket Button	Steel	M6	8 mm	530012
Hex Socket Button	Steel	M6	12 mm	530028
Hex Socket Button	Steel	M6	16 mm	530034
Hex Socket Button	Steel	M8	10 mm	281675
Hex Socket Button	Steel	M8	8 mm	530040
Hex Socket Button	Steel	M8	12 mm	530056
Hex Socket Button	Steel	M8	16 mm	530062
Hex Socket Button	Steel	M10	10 mm	281681
Hex Socket Button	Steel	M10	12 mm	281697
Hex Socket Button	Steel	M10	16 mm	281704

BUTTON HEAD SOCKET HEAD CAP SCREWS ~ISO 7380 / ANSI B 18.3.4 M



Thread Size d1		M3	M4	M5	M6	M8	M10	M12	M16
Thread Pitch		0.5	0.7	0.8	1	1.25	1.5	1.75	2
~ISO 7380	min.	5.4	7.24	9.14	10.07	13.57	17.07	20.48	27.48
Head Dia. d2	max.	5.7	7.60	9.50	10.50	14.00	17.50	21.00	28.00
ANSI B 18.3.4M	min.	5.4	7.24	9.14	10.07	13.57	17.07	20.48	27.48
Head Dia. d2	max.	5.7	7.60	9.50	10.50	14.00	17.50	21.00	28.00
~ISO 7380	min.	1.40	1.95	2.50	3.00	4.10	5.20	6.24	8.44
Head Height k	max.	1.65	2.20	2.75	3.30	4.40	5.50	6.60	8.80
ANSI B 18.3.4M Head Height k	min.	1.43	1.95	2.50	3.00	4.05	5.20	6.24	8.44
	max.	1.65	2.20	2.75	3.30	4.40	5.50	6.60	8.80
~ISO 7380 Key Size s	Nominal Size	2	2.5	3	4	5	6	8	10
	min.	2.020	2.52	3.020	4.020	5.020	6.020	8.025	10.025
	max.	2.045	2.56	3.071	4.084	5.084	6.095	8.115	10.115
ANSI B 18.3.4M Key Size s	Nominal Size	2	2.5	3	4	5	6	8	10
	min.	2.020	2.52	3.020	4.020	5.020	6.020	8.025	10.025
	max.	2.045	2.56	3.071	4.084	5.084	6.095	8.115	10.115
~ISO 7380 Key Engagement t	min.	1.04	1.3	1.56	2.08	2.60	3.12	4.16	5.20
ANSI B 18.3.4M Key Engagement t	min.	1.04	1.3	1.56	2.08	2.60	3.12	4.16	5.20

	~ ISO	7380	<<<<<< <length tolerance="">>>>>>>>></length>					ANSI B 18.3.4.M				
Nominal Length	min	max	M3	M4	M5	M6	M8	M10	M12	M16	min	max
6	5.76	6.24									5.7	6.3
8	7.71	8.29									7.7	8.3
10	9.71	10.29									9.7	10.3
12	11.65	12.35									11.7	12.3
16	15.65	16.35	Γ-:								15.7	16.3
20	19.58	20.42									19.5	20.5
25	24.58	25.42									24.5	25.5
30	29.58	30.42									29.5	30.5
35	34.5	35.5			ı — —	i — —					34.5	35.5
40	39.5	40.5									39.5	40.5
45	44.5	45.5					ı— —	i— — :			44.5	45.5
50	49.5	50.5									49.5	50.5
55	54.4	55.6									54.5	55.5
60	59.4	60.6									59.5	60.5

Nominal Lengths above the stepped line Full Thread

Nominal Lengths below the stepped line, the thread length at the discretion of the manufacturer, may be between a minimum of 2d+12mm and a maximum which is within 2 P of the head.

~ISO 7380	Markey standard in interest of the birth standard to the second in
	Neither standard is intended for high strength applications. The only purpose of having them produced in property class 10.9 or 12.9 is to increase the wear resistance of the socket drive.
ANSI B 18.3.4M	property class 10.3 of 12.3 is to increase the wear resistance of the source time.

~ISO 7380	ANSI B 18.3.4M			
Material	Steel	Stainless Steel	Material	Steel
Property Class	10.9	A2 & A4	Property Class	12.9
Finish	Furnace Black	Plain	Finish	Furnace Black
Thread Tolerance	6g	6g	Thread Tolerance	4g6g