

FEATURES

- Various thread sizes available
- Strong BZP steel
- Head height is equal to shank diameter
- Cost effective

RS PRO M3 x 6mm Hex Socket Button Screw Bright Zinc Plated Steel

RS Stock No.: 822-9155



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

Brought to you by RS Pro, this range of button head socket screws feature excellent capabilities within machine repair and fixing applications. A cost effective solution to the otherwise expensive stainless steel, these BZP steel versions excel as a fixing method. If corrosion isn't an issue, they are perfect for indoor applications. All models are highly reliable and excellent quality.

General Specifications

Thread Size	M3
Head Shape	Hex Socket Button
Material	Steel
Finish	Bright Zinc Plated
Thread Type	Metric
Grade	10.9
Applications	Woodworking, Domestic applications, Fasteners and fixings, Machine tooling and repair, Security guarding, Panel Building

Mechanical Specifications

Length	6mm
Thread Pitch	0.5mm
Head Diameter Range	5.4mm to 5.7mm
Head Height Range	1.40mm to 1.65mm
Key Size Nominal Range	2.020mm to 2.045mm
Key Engagement	1.04
Thread Tolerance	6g

Approvals

Compliance/Certifications

RoHS Certificate Of Compliance ,ISO7380, ANSI B18



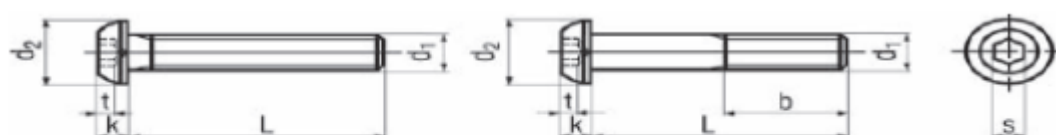
Please view our full range listing below for all BZP Steel Hexagon Socket Button Head Screws:

Head Shape	Material	Thread Size	Length	RS Part No.
Socket Button	Steel BZP	M3	6 mm	8229155
Socket Button	Steel BZP	M4	6 mm	8229164
Socket Button	Steel BZP	M4	20 mm	8229167
Socket Button	Steel BZP	M4	25 mm	8229161
Socket Button	Steel BZP	M5	6 mm	8229170
Socket Button	Steel BZP	M5	8 mm	8229173
Socket Button	Steel BZP	M5	25 mm	8229177
Socket Button	Steel BZP	M5	35 mm	8229186
Socket Button	Steel BZP	M6	8 mm	8229189
Socket Button	Steel BZP	M6	10 mm	8229183
Socket Button	Steel BZP	M6	50 mm	8229192

Socket Button	Steel BZP	M8	10 mm	8229195
Socket Button	Steel BZP	M8	30 mm	8229199
Socket Button	Steel BZP	M8	35 mm	8229209
Socket Button	Steel BZP	M8	40 mm	8229202
Socket Button	Steel BZP	M8	45 mm	8229206
Socket Button	Steel BZP	M8	50 mm	8229215
Socket Button	Steel BZP	M10	16 mm	8229218
Socket Button	Steel BZP	M10	20 mm	8229212
Socket Button	Steel BZP	M10	25 mm	8229221
Socket Button	Steel BZP	M10	30 mm	8229224
Socket Button	Steel BZP	M10	35 mm	8229228
Socket Button	Steel BZP	M10	40 mm	8229237
Socket Button	Steel BZP	M10	50 mm	8229320

Please view our full range listing below for all BZP Steel Hexagon Socket Button Head Screws:

Head Shape	Material	Thread Size	Length	RS Part No.
Socket Button	Steel BZP	M12	20 mm	8229234
Socket Button	Steel BZP	M12	25 mm	8229243
Socket Button	Steel BZP	M12	30 mm	8229246
Socket Button	Steel BZP	M12	35 mm	8229240
Socket Button	Steel BZP	M12	40 mm	8229259



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 Head Dia. d2	min.	5.4	7.24	9.14	10.07	13.57	17.07	20.48	27.48
	max.	5.7	7.60	9.50	10.50	14.00	17.50	21.00	28.00
ANSI B 18.3.4M Head Dia. d2	min.	5.4	7.24	9.14	10.07	13.57	17.07	20.48	27.48
	max.	5.7	7.60	9.50	10.50	14.00	17.50	21.00	28.00
~ISO 7380 Head Height k	min.	1.40	1.95	2.50	3.00	4.10	5.20	6.24	8.44
	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

Nominal Length	~ ISO 7380		Length Tolerance									ANSI B 18.3.4M	
	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									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									34.5	35.5	
40	39.5	40.5									39.5	40.5	
45	44.5	45.5									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	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	

~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

For More Detailed Information, Please Refer To Complete ISO Or ANSI Standard, Which Are The Governing Standards.

