

## FEATURES

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

## RS PRO M6 x 20mm Hex Socket Button Screw Bright Zinc Plated Steel

RS Stock No.: 483-9688



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

<b>Thread Size</b>	M6
<b>Head Shape</b>	Hex Socket Button
<b>Material</b>	Steel
<b>Finish</b>	Bright Zinc Plated
<b>Thread Type</b>	Metric
<b>Grade</b>	10.9
<b>Applications</b>	Woodworking, Domestic applications, Fasteners and fixings, Machine tooling and repair, Security guarding, Panel Building

## Mechanical Specifications

<b>Length</b>	20mm
<b>Thread Pitch</b>	1mm
<b>Head Diameter Range</b>	10.07mm to 10.50mm
<b>Head Height Range</b>	3mm to 3.3mm
<b>Key Size Nominal Range</b>	4.020mm to 4.084mm
<b>Key Engagement</b>	2.08
<b>Thread Tolerance</b>	6g

## Approvals

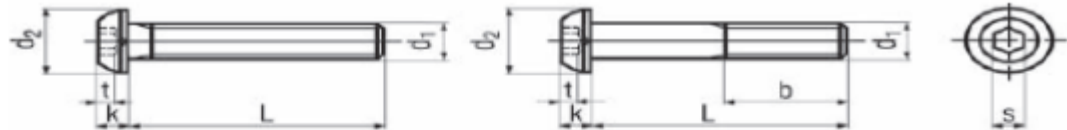
### Compliance/Certifications

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	Finish	Thread Size	Length	RS Part No.
Socket Button	Steel	BZP	M3	8 mm	4839543
Socket Button	Steel	BZP	M3	10 mm	4839559
Socket Button	Steel	BZP	M3	12 mm	4839565
Socket Button	Steel	BZP	M4	6 mm	8229164
Socket Button	Steel	BZP	M4	8 mm	4839571
Socket Button	Steel	BZP	M4	10 mm	4839587
Socket Button	Steel	BZP	M4	12 mm	4839593
Socket Button	Steel	BZP	M4	16 mm	4839600
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	10 mm	4839616
Socket Button	Steel	BZP	M5	12 mm	4839622
Socket Button	Steel	BZP	M5	16 mm	4839638
Socket Button	Steel	BZP	M5	20 mm	4839644
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	12 mm	4839650
Socket Button	Steel	BZP	M6	16 mm	4839672
Socket Button	Steel	BZP	M6	20 mm	4839688
Socket Button	Steel	BZP	M6	25 mm	4839694
Socket Button	Steel	BZP	M6	30 mm	4915300
Socket Button	Steel	BZP	M6	35 mm	4915316
Socket Button	Steel	BZP	M6	40 mm	4915322
Socket Button	Steel	BZP	M6	50 mm	8229192
Socket Button	Steel	BZP	M8	10 mm	8229195
Socket Button	Steel	BZP	M8	12 mm	4839701
Socket Button	Steel	BZP	M8	16 mm	4839717
Socket Button	Steel	BZP	M8	20 mm	4839739
Socket Button	Steel	BZP	M8	25 mm	4839745
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	8229230



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

[illegible]

**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  $2d+12\text{mm}$  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 18.34M	

~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.