

FEATURES

- Various thread sizes available
- Manufactured from steel
- Used for applications with limited space in high tensile applications
- Requires a Hex key / Allen key

RS PRO M4 x 8mm Hex Socket Button Screw Black, Self-Colour Steel

RS Stock No.: 281-215



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

RS PRO hexagon button head screws feature a low profile, rounded, dome-shaped head with a hexagon drive. These fasteners are ideal when a wider bearing surface is required and their black, self-colour finish ensures an attractive, quality appearance and finish wherever they are used.

General Specifications

Thread Size	M4
Head Shape	Hex Socket Button
Material	Steel
Finish	Furnace Black
Thread Type	Metric
Grade	10.9
Applications	Woodworking, Domestic applications, Fasteners and fixings, Machine tooling and repair, Security guarding, Panel Building

Mechanical Specifications

Length	8mm
Thread Pitch	0.7mm
Head Diameter Range	7.24mm to 7.60mm
Head Height Range	1.95mm to 2.20mm
Key Size Nominal Range	2.52mm to 2.56mm
Key Engagement	1.3
Thread Tolerance	6g



Approvals

Compliance/Certifications

ANSI B18, ISO 7380

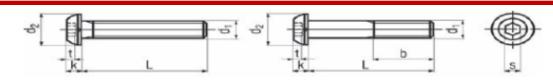




Head Shape	Material	Thread Size	Length	RS Part No.
Hex Socket Cap	Steel	M3	8 mm	281186
Hex Socket Cap	Steel	M3	10 mm	281192
Hex Socket Cap	Steel	M3	12 mm	281209
Hex Socket Cap	Steel	M3	5 mm	8229094
Hex Socket Cap	Steel	M3	6 mm	8229098
Hex Socket Cap	Steel	M4	8 mm	281215
Hex Socket Cap	Steel	M4	10 mm	281221
Hex Socket Cap	Steel	M4	12 mm	281237
Hex Socket Cap	Steel	M4	16 mm	281243
Hex Socket Cap	Steel	M4	25 mm	8229101
Hex Socket Cap	Steel	M4	20 mm	8229108
Hex Socket Cap	Steel	M4	6 mm	8229307
Hex Socket Cap	Steel	M5	10 mm	281259
Hex Socket Cap	Steel	M5	12 mm	281265
Hex Socket Cap	Steel	M5	16 mm	281271
Hex Socket Cap	Steel	M5	20 mm	281287
Hex Socket Cap	Steel	M5	6 mm	8229105
Hex Socket Cap	Steel	M5	8 mm	8229114

Socket Screws





Thread Size d1		M3	M4	M5	M6	MB	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	min.	1,43	1.95	2.50	3.00	4.05	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
~150 7380	Nominal Size	2	2.5	3	4	5	6	8	10
Key Size s	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
	Nominal Size	2	2.5	3	4	5	6	8	10
ANSI B 18.3.4M Key Size s	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		000000	*****	Length	Toleran	C8 >>>>>>			ANSI B	18.3.4.M
Nominal Length	min	max	M3	M4	M5	M6	MB	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	r - 1								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			r— —	i					34.5	35.5
40	39.5	40.5									39.5	40.5
45	44.5	45.5					í— —	i — — 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 abo	ove the stepped line	Full Thread	
Nominal Lengths below the step	ped line, the thread length 2d+12mm and a maximu			etween a minimum of
-ISO 7380 Neither a	tandard is intended for hig	h strength applicatio	ons. The only purpose of h	aving them produced in
ANSI B 18.3.4M	property class 10.9 or		e wear resistance of the so	
ANSI B 18.3.4M	property class 10.9 or SO 7380		e wear resistance of the so	
-1			e wear resistance of the so	ocket drive.
Material - 1	SO 7380	12.9 is to increase th	ANSI B	18.3.4M
	SO 7380 Steel	12.9 Is to Increase th Stainless Steel	ANSI B	18.3.4M Steel

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

