

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

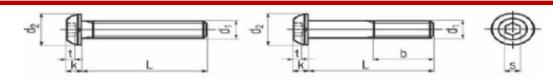




| Head Shape | Material | Thread Size | Length | RS Part No. |
|----------------|----------|-------------|--------|-------------|
| Hex Socket Cap | Steel | M3 | 8 mm | 281186 |
| Hex Socket Cap | Steel | M3 | 10 mm | 281192 |
| Hex Socket Cap | Steel | M3 | 12 mm | 281209 |
| Hex Socket Cap | Steel | 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.

