

FEATURES

- Can be used instead of hex bolt when there is less clearance
- Head height is equal to shank diameter
- Socket Head Cap Screw – strongest of all head styles
- Various thread sizes available

RS PRO M5 x 25mm Hex Socket Cap Screw Plain Stainless Steel

RS Stock No.: 290-124



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

The RS PRO hexagon head socket cap screws have a narrow head and are perfect for use in hard to reach areas. The fasteners are useful in machine repair and maintenance and in many sectors. As these socket cap screws are made from A2 (304) stainless steel, they are ideal for use in the food and beverage industry. A2 stainless steel provides good corrosion resistance and is more affordable than A4 (316) stainless steel.

General Specifications

| | |
|---------------------|--------------------------------------------------------------------------------------------------------------------------|
| Thread Size | M5 |
| Head Shape | Hex Socket Cap |
| Material | Stainless Steel |
| Finish | Plain |
| Thread Type | Metric |
| Applications | Woodworking, Domestic applications, Fasteners and fixings, Machine tooling and repair, Security guarding, Panel Building |

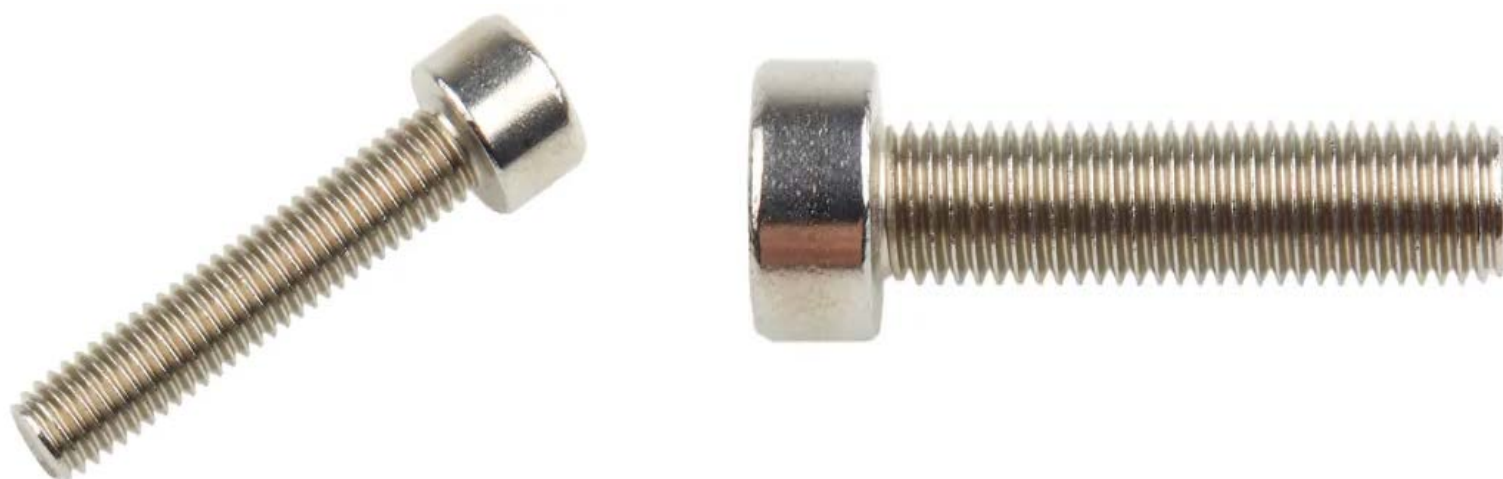
Mechanical Specifications

| | |
|-------------------------------|--------------------|
| Length | 25mm |
| Stainless Steel Type | 304 A2 |
| Thread Pitch | 0.8mm |
| Head Diameter Range | 8.27mm to 8.72mm |
| Head Height Range | 4.82mm to 5mm |
| Key Size Nominal Range | 4.020mm to 4.095mm |
| Key Engagement | 2.5mm |

Approvals

Compliance/Certifications

RoHS Certificate Of Compliance ,DIN912 , ISO4762, ANSI B18



Please view our full range listing below for all A2 304 Stainless Steel Hexagon Cap Socket Screws:

| Head Shape | Material | Thread Size | Length | RS Part No. |
|----------------|-----------------|-------------|--------|-------------|
| Hex Socket Cap | Stainless Steel | M3 | 6 mm | 280981 |
| Hex Socket Cap | Stainless Steel | M3 | 8 mm | 280997 |
| Hex Socket Cap | Stainless Steel | M3 | 10 mm | 7976266 |
| Hex Socket Cap | Stainless Steel | M3 | 12 mm | 281007 |
| Hex Socket Cap | Stainless Steel | M3 | 16 mm | 281013 |
| Hex Socket Cap | Stainless Steel | M3 | 20 mm | 293319 |
| Hex Socket Cap | Stainless Steel | M3 | 25 mm | 293325 |
| Hex Socket Cap | Stainless Steel | M3 | 30 mm | 293331 |

| | | | | |
|----------------|-----------------|----|-------|---------|
| Hex Socket Cap | Stainless Steel | M4 | 8 mm | 281029 |
| Hex Socket Cap | Stainless Steel | M4 | 10 mm | 7976260 |
| Hex Socket Cap | Stainless Steel | M4 | 12 mm | 281035 |
| Hex Socket Cap | Stainless Steel | M4 | 16 mm | 281041 |
| Hex Socket Cap | Stainless Steel | M4 | 20 mm | 290102 |
| Hex Socket Cap | Stainless Steel | M4 | 25 mm | 281057 |
| Hex Socket Cap | Stainless Steel | M4 | 30 mm | 290118 |
| Hex Socket Cap | Stainless Steel | M4 | 40 mm | 293347 |
| | | | | |
| Hex Socket Cap | Stainless Steel | M5 | 10 mm | 281063 |
| Hex Socket Cap | Stainless Steel | M5 | 12 mm | 281079 |
| Hex Socket Cap | Stainless Steel | M5 | 16 mm | 281085 |
| Hex Socket Cap | Stainless Steel | M5 | 20 mm | 281091 |
| Hex Socket Cap | Stainless Steel | M5 | 25 mm | 290124 |
| Hex Socket Cap | Stainless Steel | M5 | 30 mm | 290130 |
| Hex Socket Cap | Stainless Steel | M5 | 40 mm | 293353 |
| Hex Socket Cap | Stainless Steel | M5 | 50 mm | 293369 |

Please view our full range listing below for all A2 304 Stainless Steel Hexagon Cap Socket Screws:

| Head Shape | Material | Thread Size | Length | RS Part No. |
|----------------|-----------------|-------------|--------|-------------|
| Hex Socket Cap | Stainless Steel | M6 | 10mm | 7976279 |
| Hex Socket Cap | Stainless Steel | M6 | 12 mm | 281108 |
| Hex Socket Cap | Stainless Steel | M6 | 16 mm | 281114 |
| Hex Socket Cap | Stainless Steel | M6 | 20 mm | 281120 |
| Hex Socket Cap | Stainless Steel | M6 | 25 mm | 281136 |
| Hex Socket Cap | Stainless Steel | M6 | 30 mm | 290146 |
| Hex Socket Cap | Stainless Steel | M6 | 35 mm | 293375 |
| Hex Socket Cap | Stainless Steel | M6 | 40 mm | 293381 |
| Hex Socket Cap | Stainless Steel | M6 | 45 mm | 293397 |
| Hex Socket Cap | Stainless Steel | M6 | 50 mm | 293404 |
| Hex Socket Cap | Stainless Steel | M6 | 60 mm | 293410 |

| | | | | |
|----------------|-----------------|-----|-------|---------|
| Hex Socket Cap | Stainless Steel | M8 | 16 mm | 281142 |
| Hex Socket Cap | Stainless Steel | M8 | 20 mm | 281158 |
| Hex Socket Cap | Stainless Steel | M8 | 25 mm | 281164 |
| Hex Socket Cap | Stainless Steel | M8 | 30 mm | 281170 |
| Hex Socket Cap | Stainless Steel | M8 | 35 mm | 293426 |
| Hex Socket Cap | Stainless Steel | M8 | 40 mm | 290152 |
| Hex Socket Cap | Stainless Steel | M8 | 45 mm | 7976272 |
| Hex Socket Cap | Stainless Steel | M8 | 50 mm | 293432 |
| Hex Socket Cap | Stainless Steel | M8 | 60 mm | 293448 |
| Hex Socket Cap | Stainless Steel | M10 | 16 mm | 293454 |
| Hex Socket Cap | Stainless Steel | M10 | 20 mm | 293460 |
| Hex Socket Cap | Stainless Steel | M10 | 25 mm | 7976276 |
| Hex Socket Cap | Stainless Steel | M10 | 30 mm | 293476 |
| Hex Socket Cap | Stainless Steel | M10 | 35 mm | 7976285 |
| Hex Socket Cap | Stainless Steel | M10 | 40 mm | 293482 |
| Hex Socket Cap | Stainless Steel | M10 | 50 mm | 293498 |
| Hex Socket Cap | Stainless Steel | M10 | 60 mm | 293505 |
| Hex Socket Cap | Stainless Steel | M10 | 70 mm | 288935 |

Please view our full range listing below for all A2 304 Stainless Steel Hexagon Cap Socket Screws:

| Head Shape | Material | Thread Size | Length | RS Part No. |
|----------------|-----------------|-------------|--------|-------------|
| Hex Socket Cap | Stainless Steel | M12 | 20 mm | 288941 |
| Hex Socket Cap | Stainless Steel | M12 | 30 mm | 288957 |
| Hex Socket Cap | Stainless Steel | M12 | 40 mm | 288963 |
| Hex Socket Cap | Stainless Steel | M12 | 50 mm | 288979 |
| Hex Socket Cap | Stainless Steel | M12 | 60 mm | 288985 |
| Hex Socket Cap | Stainless Steel | M12 | 70 mm | 288991 |

SOCKET HEAD CAP SCREWS DIN 912/ ISO 4762 / ANSI B 18.3.1 M



Head Diameter d2 max. allows for Knurled Head

| Thread Size d1 | (M1.4) | | M1.6 | | M2 | | M2.5 | | M2.6 | | M3 | | M4 | |
|------------------------|--------|------|-------|-------|-------|-------|-------|-------|------|------|------|------|-------|-------|
| Thread Pitch | 0.3 | | 0.35 | | 0.4 | | 0.45 | | 0.45 | | 0.5 | | 0.7 | |
| Thread Length b | 14 | | 15 | | 16 | | 17 | | NA | | 18 | | 20 | |
| Head Dia. d2 | min. | max. | min. | max. | min. | max. | min. | max. | min. | max. | min. | max. | min. | max. |
| DIN 912 (1983) | 2.46 | 2.74 | 2.86 | 3.14 | 3.62 | 3.98 | 4.32 | 4.68 | 4.82 | 5.18 | 5.32 | 5.68 | 6.78 | 7.22 |
| ISO 4762 (1997) | | | 2.86 | 3.14 | 3.62 | 3.98 | 4.32 | 4.68 | | | 5.32 | 5.68 | 6.78 | 7.22 |
| ANSI B 18.3.1 M (1986) | | | 2.87 | 3.14 | 3.65 | 3.98 | 4.33 | 4.68 | | | 5.32 | 5.68 | 6.80 | 7.22 |
| Head Height k | min. | max. | min. | max. | min. | max. | min. | max. | min. | max. | min. | max. | min. | max. |
| DIN 912 (1983) | 1.26 | 1.40 | 1.46 | 1.60 | 1.86 | 2.00 | 2.36 | 2.50 | 2.46 | 2.60 | 2.86 | 3.00 | 3.82 | 4.00 |
| ISO 4762 (1997) | | | 1.46 | 1.60 | 1.86 | 2.00 | 2.36 | 2.50 | | | 2.86 | 3.00 | 3.82 | 4.00 |
| ANSI B 18.3.1 M (1986) | | | 1.52 | 1.60 | 1.91 | 2.00 | 2.40 | 2.50 | | | 2.89 | 3.00 | 3.88 | 4.00 |
| Key Size nominal s | 1.3 | | 1.5 | | 1.5 | | 2 | | 2 | | 2.5 | | 3 | |
| DIN 912 (1983) | min. | max. | min. | max. | min. | max. | min. | max. | min. | max. | min. | max. | min. | max. |
| ISO 4762 (1997) | 1.32 | 1.36 | 1.52 | 1.56 | 1.52 | 1.56 | 2.02 | 2.06 | 2.02 | 2.06 | 2.52 | 2.58 | 3.02 | 3.08 |
| ANSI B 18.3.1 M (1986) | | | 1.520 | 1.545 | 1.520 | 1.545 | 2.020 | 2.045 | | | 2.52 | 2.56 | 3.020 | 3.071 |
| Key Engagement t | min. | | min. | | min. | | min. | | min. | | min. | | min. | |
| DIN 912 (1983) | 0.6 | | 0.7 | | 1 | | 1.10 | | 1.2 | | 1.3 | | 2 | |
| ISO 4762 (1997) | | | 0.7 | | 1 | | 1.10 | | | | 1.3 | | 2 | |
| ANSI B 18.3.1 M (1986) | | | 0.8 | | 1 | | 1.25 | | | | 1.5 | | 2 | |

| Thread Size d1 | M5 | | M6 | | M8 | | M10 | | M12 | | (M14) | | M16 | |
|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| Thread Pitch | 0.8 | | 1 | | 1.25 | | 1.5 | | 1.75 | | 2 | | 2 | |
| Thread Length b | 22 | | 24 | | 28 | | 32 | | 36 | | 40 | | 44 | |
| Head Dia. d2 | min. | max. | min. | max. | min. | max. | min. | max. | min. | max. | min. | max. | min. | max. |
| DIN 912 (1983) | 8.28 | 8.72 | 9.78 | 10.22 | 12.73 | 13.27 | 15.73 | 16.27 | 17.73 | 18.27 | 20.67 | 21.33 | 23.67 | 24.33 |
| ISO 4762 (1997) | 8.28 | 8.72 | 9.78 | 10.22 | 12.73 | 13.27 | 15.73 | 16.27 | 17.73 | 18.27 | 20.67 | 21.33 | 23.67 | 24.33 |
| ANSI B 18.3.1 M (1986) | 8.27 | 8.72 | 9.74 | 10.22 | 12.70 | 13.27 | 15.67 | 16.27 | 17.63 | 18.27 | 20.6 | 21.33 | 23.58 | 24.33 |
| Head Height k | min. | max. | min. | max. | min. | max. | min. | max. | min. | max. | min. | max. | min. | max. |
| DIN 912 (1983) | 4.82 | 5.00 | 5.7 | 6.0 | 7.64 | 8.00 | 9.64 | 10.00 | 11.57 | 12.00 | 13.57 | 14.00 | 15.57 | 16.00 |
| ISO 4762 (1997) | 4.82 | 5.00 | 5.7 | 6.0 | 7.64 | 8.00 | 9.64 | 10.00 | 11.57 | 12.00 | 13.57 | 14.00 | 15.57 | 16.00 |
| ANSI B 18.3.1 M (1986) | 4.86 | 5.00 | 5.85 | 6.00 | 7.83 | 8.00 | 9.81 | 10.00 | 11.79 | 12.00 | 13.77 | 14.00 | 15.76 | 16.00 |
| Key Size nominal s | 4 | | 5 | | 6 | | 8 | | 10 | | 12 | | 14 | |
| DIN 912 (1983) | min. | max. | min. | max. | min. | max. | min. | max. | min. | max. | min. | max. | min. | max. |
| ISO 4762 (1997) | 4.020 | 4.095 | 5.02 | 5.14 | 6.02 | 6.14 | 8.025 | 8.175 | 10.025 | 10.175 | 12.032 | 12.212 | 14.032 | 14.212 |
| ANSI B 18.3.1 M (1986) | 4.020 | 4.084 | 5.020 | 5.084 | 6.020 | 6.095 | 8.025 | 8.115 | 10.025 | 10.127 | 12.032 | 12.146 | 14.032 | 14.159 |
| Key Engagement t | min. | | min. | | min. | | min. | | min. | | min. | | min. | |
| DIN 912 (1983) | 2.5 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | |
| ISO 4762 (1997) | 2.5 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | |
| ANSI B 18.3.1 M (1986) | 2.5 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | |

| Thread Size d1 | (M18) | | M20 | | (M22) | | M24 | | (M27) | | M30 | | M33 | |
|------------------------|--------|--------|--------|--------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| Thread Pitch | 2.5 | | 2.5 | | 2.5 | | 3 | | 3 | | 3.5 | | 3.5 | |
| Thread Length b | 48 | | 52 | | 56 | | 60 | | 66 | | 72 | | 78 | |
| Head Dia. d2 | min. | max. | min. | max. | min. | max. | min. | max. | min. | max. | min. | max. | min. | max. |
| DIN 912 (1983) | 26.67 | 27.33 | 29.67 | 30.33 | 32.61 | 33.39 | 35.61 | 36.39 | 39.61 | 40.39 | 44.61 | 45.39 | 49.61 | 50.39 |
| ISO 4762 (1997) | | | 29.67 | 30.33 | | | 35.61 | 36.39 | | | 44.61 | 45.39 | | |
| ANSI B 18.3.1 M (1986) | | | 29.53 | 30.33 | | | 35.48 | 36.39 | | | 44.42 | 45.39 | | |
| Head Height k | min. | max. | min. | max. | min. | max. | min. | max. | min. | max. | min. | max. | min. | max. |
| DIN 912 (1983) | 17.57 | 18.00 | 19.48 | 20.00 | 21.48 | 22.00 | 23.48 | 24.00 | 26.48 | 27.00 | 29.48 | 30.00 | 32.38 | 33.00 |
| ISO 4762 (1997) | | | 19.48 | 20.00 | | | 23.48 | 24.00 | | | 29.48 | 30.00 | | |
| ANSI B 18.3.1 M (1986) | | | 19.73 | 20.00 | | | 23.70 | 24.00 | | | 29.67 | 30.00 | | |
| Key Size nominal s | 14 | | 17 | | 17 | | 19 | | 19 | | 22 | | 24 | |
| DIN 912 (1983) | min. | max. | min. | max. | min. | max. | min. | max. | min. | max. | min. | max. | min. | max. |
| ISO 4762 (1997) | 14.032 | 14.212 | 17.05 | 17.23 | 17.05 | 17.23 | 19.065 | 19.275 | 19.065 | 19.275 | 22.065 | 22.275 | 24.065 | 24.275 |
| ANSI B 18.3.1 M (1986) | | | 17.050 | 17.216 | | | 19.065 | 19.243 | | | 22.065 | 22.319 | | |
| Key Engagement t | min. | | min. | | min. | | min. | | min. | | min. | | min. | |
| DIN 912 (1983) | 9 | | 10 | | 11 | | 12 | | 13.5 | | 15.5 | | 18 | |
| ISO 4762 (1997) | | | 10 | | | | 12 | | | | 15.5 | | | |
| ANSI B 18.3.1 M (1986) | | | 10 | | | | 12 | | | | 15.0 | | | |

