

### **FEATURES**

- Various thread sizes available
- High-quality threaded design
- Head height is equal to shank diameter
- More cost effective than titanium

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

**RS Stock No.: 187-1342** 



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, a range of hex head socket cap screws. Due to their narrow head and lengthy body shape, they are perfect for use in difficult and hard to reach areas. All threaded socket screws are designed to be long lasting and efficient within their applications, especially these A4 stainless steel versions. All models are highly reliable and excellent quality

#### **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	316 A4
Thread Pitch	0.8mm
Thread Tolerance	6g

#### Operation Environment Specifications

Maximum Temperature	300°C

## **Socket Screws**



#### Approvals

**Compliance/Certifications** 

RoHS Certificate Of Compliance ,ISO4762, ANSI B18,DIN912







# Please view our full range listing below for all A4 316 Stainless Steel Self-Colour Hexagon Socket Cap Head Screws:

Head Shape	Material	Thread Size	Length	RS Part No.		
Hex Socket Cap	Stainless Steel	M3	6 mm	1871207		
Hex Socket Cap	Stainless Steel	Stainless Steel M3 8 mm				
Hex Socket Cap	Stainless Steel	M3	10 mm	6604636		
Hex Socket Cap	Stainless Steel	Stainless Steel M3 12 m				
Hex Socket Cap	Stainless Steel	Stainless Steel M3 16 mm				
Hex Socket Cap	Stainless Steel	M3	20 mm	3044429		
Hex Socket Cap	Stainless Steel	M3	25 mm	3044435		
Hex Socket Cap	Stainless Steel	M3	30 mm	3044615		
Hex Socket Cap	Stainless Steel	M4	8 mm	1871241		
Hex Socket Cap	Stainless Steel	M4	10 mm	6604639		
Hex Socket Cap	Stainless Steel	M4	12 mm	1871257		
Hex Socket Cap	Stainless Steel	M4	16 mm	1871263		
Hex Socket Cap	Stainless Steel	M4	20 mm	1871279		
Hex Socket Cap	Stainless Steel	M4	25 mm	1871285		
Hex Socket Cap	Stainless Steel	M4	30 mm	1871308		
Hex Socket Cap	Stainless Steel	M4	40 mm	3044609		
Hex Socket Cap	Stainless Steel	M4	50 mm	3044592		
Hex Socket Cap	Stainless Steel	M5	8 mm	6604633		
Hex Socket Cap	Stainless Steel	M5	10 mm	3044586		
Hex Socket Cap	Stainless Steel	M5	12 mm	1871314		
Hex Socket Cap	Stainless Steel	M5	16 mm	1871320		
Hex Socket Cap	Stainless Steel	M5	20 mm	1871336		
Hex Socket Cap	Stainless Steel	M5	25 mm	1871342		
Hex Socket Cap	Stainless Steel	M5	30 mm	1871364		
Hex Socket Cap	Stainless Steel	M5	40 mm	1871370		
Hex Socket Cap	Stainless Steel	M5	50 mm	3044570		
Hex Socket Cap	Stainless Steel	M5	60 mm	3044564		



Head Shape	Material	Thread Size	Length	RS Part No.	
Hex Socket Cap	Stainless Steel	M6	10 mm	6604642	
Hex Socket Cap	Stainless Steel	el M6 12 mm 187			
Hex Socket Cap	Stainless Steel	Steel M6 16 mm		1871392	
Hex Socket Cap	Stainless Steel	M6	M6 20 mm 18		
Hex Socket Cap	Stainless Steel	M6	25 mm	1871421	
Hex Socket Cap	Stainless Steel	M6	30 mm	1871437	
Hex Socket Cap	Stainless Steel	M6	35 mm	1871443	
Hex Socket Cap	Stainless Steel	M6	40 mm	1871459	
Hex Socket Cap	Stainless Steel	M6	45 mm	6604645	
Hex Socket Cap	Stainless Steel	M6	50 mm	1871465	
Hex Socket Cap	Stainless Steel	M6	60 mm	3044558	
Hex Socket Cap	Stainless Steel	M8	16 mm	1871471	
Hex Socket Cap	Stainless Steel	M8	20 mm	1871487	
Hex Socket Cap	Stainless Steel	M8	25 mm	1871493	
Hex Socket Cap	Stainless Steel	M8	30 mm	1871500	
Hex Socket Cap	Stainless Steel	M8	35 mm	nm 1871516	
Hex Socket Cap	Stainless Steel	M8	40 mm	1871522	
Hex Socket Cap	Stainless Steel	M8	45 mm	6604649	
Hex Socket Cap	Stainless Steel	M8	50 mm	1871538	
Hex Socket Cap	Stainless Steel	M8	60 mm	1871544	
Hex Socket Cap	Stainless Steel	M8	70 mm	6604658	
Hex Socket Cap	Stainless Steel	M8	80 mm	6604651	

Hex Socket Cap	Stainless Steel	M10	20 mm	3044542
Hex Socket Cap	Stainless Steel	M10	25 mm	6604655
Hex Socket Cap	Stainless Steel	M10	30 mm	3044520
Hex Socket Cap	Stainless Steel	M10	40 mm	3044514
Hex Socket Cap	Stainless Steel	M10	50 mm	3044508
Hex Socket Cap	Stainless Steel	M10 70 mm		3044485
Hex Socket Cap	Stainless Steel	M12	30 mm	3044463
Hex Socket Cap	Stainless Steel	M12	40 mm	3044457
Hex Socket Cap	Stainless Steel	M12	50 mm	3044441



Knurled Head



Thread Size d1	M	36	(N	(39)	M	42	(M	45)	M	48	M	56	M	64
Thread Pitch		4		4		.5		.5	5		5 5.5		.5 6	
Thread Length b	8	4	NA 96 NA		108		124		140					
Head Dia. d2	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.
DIN 912 (1983)	53.54	54.46	57.54	58.46	62.54	63.46	66.54	67.46	71.54	72.46	83.46	84.54	95.46	96.54
ISO 4762 (1997)	53.54	54.46			62.54	63.46			71.54	72,46	83,46	84.54	95.46	96.54
ANSI B 18.3.1 M (1986)	53.37	54.45			62.31	63.46			71.27	72.46				
Head Height k	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.
DIN 912 (1983)	35.38	36.00	38.38	39.00	41.38	42.00	44.38	45.00	47.38	48.00	55.26	56.00	63.26	64.00
ISO 4762 (1997)	35,38	36.00			41.38	42.00			47.38	48.00	55.26	56.00	63.26	64.00
ANSI B 18.3.1 M (1986)	35.64	36.00			41.61	42.00			47.58	48.00				
Key Size nominal a	-	7		27	-	2		2	~	6	4		46	
	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.
DIN 912 (1983)	27.065	27.275	27.065	27.275	32.08	32.33	32.08	32.33	36.08	36.33	41.08	41.33	46.08	46.33
ISO 4762 (1997)	27.065	27.275			32.08	32.33			36.08	36.33	41.08	41.33	46.08	46.33
ANSI B 18.3.1 M (1986)	27.065	27.319			32.080	32,461			36.080	36.461				
Key Engagement t	m			iin.	m			In.	min. min.			min.		
DIN 912 (1983)		9	2	22		4	2	4	28 34			38		
ISO 4762 (1997)		9			2	4			28		34		38	
		-												-
ANSI B 18.3.1 M (1986)	1	8				1			2	4				
Thread Size d1		-	N	180	2		M	100	2	4				
Thread Size d1 Thread Pitch	M	8 72 6		6	2 M	1 90 5		6	2	4				
Thread Size d1	M	8			2 M	1 90		_	2	4				
Thread Size d1 Thread Pitch Thread Length b Head Dia. d2	M 1: min.	8 72 56 max.	1 min.	6 72 max.	2 M ( 19 min.	1 90 5 22 max.	2 min.	6 12 max.	2	4				
Thread Size d1 Thread Pitch Thread Length b Head Dia. d2 DIN 912 (1983)	M 1: min, 107.46	8 72 6 56 max. 108.54	1 min. 119.46	6 72 max. 120.54	2 M ( 19 min. 134.37	1 90 92 max. 135.63	2 min. 149.37	6 12 max. 150.63	2	4				
Thread Size d1 Thread Pitch Thread Length b Head Dia. d2 DIN 912 (1983) Head Height k	1: min. 107.46 min.	8 72 56 max. 108.54 max.	1 min. 119.46 min.	6 72 120.54 max.	2 M ( 19 min, 134.37 min,	1 90 52 max. 135.63 max.	2 min. 149.37 min.	6 12 max. 150.63 max.	2	4				
Thread Size d1 Thread Pitch Thread Length b Head Dia. d2 DIN 912 (1983) Head Height k DIN 912 (1983)	M 1: min. 107.46 min. 71.26	8 72 56 max. 108.54 max. 72.00	1 min. 119.46	6 72 max. 120.54	2 M ( 19 min. 134.37	1 90 92 max. 135.63	2 min. 149.37	6 12 max. 150.63		14				
Thread Size d1 Thread Pitch Thread Length b Head Dia. d2 DIN 912 (1983) Head Height k	M 1: min. 107.46 min. 71.26	8 72 56 max. 108.54 max.	1 min. 119.46 min.	6 72 120.54 max. 80.00 55	2 M 19 min. 134.37 min. 89.13	1 90 52 max. 135.63 max.	2 min. 149.37 min. 99.13	6 12 max. 150.63 max.		14				
Thread Size d1 Thread Pitch Head Dia. d2 DIN 912 (1983) Head Height k DIN 912 (1983) Key Size nominal s	M 11 107.46 min. 71.26 s min.	8 55 108.54 72.00 5 max.	1 min. 119.46 min. 79.26 min.	6 72 max. 120.54 max. 80.00 55 max.	2 Min. 19 134.37 min. 89.13 7 min.	1 90 92 135.63 max. 90.00 5 max.	2 min. 149.37 min. 99.13 8 min.	6 12 150.63 max. 100.00 5 max.		4				
Thread Size d1 Thread Pitch Thread Length b Head Dia. d2 DIN 912 (1983) Head Height k DIN 912 (1983) Key Size nominal s DIN 912 (1983)	M 11: 107.45 min. 71.26 \$ min. 55.10	8 55 56 108.54 72.00 5 5 max. 55.40	1 min, 119.46 min, 79.26 min, 65.10	6 72 120.54 max. 80.00 55 max. 65.40	2 M 19 min. 134.37 min. 89.13 7 min. 75.10	1 90 52 135.63 max. 90.00 5 max. 75.40	2 min. 149.37 min. 99.13 8 min. 85.12	6 12 150.63 max. 100.00 5 max. 85.47		4				
Thread Size d1 Thread Pitch Thread Length b Head Dia, d2 DIN 912 (1983) Head Height k DIN 912 (1983) Key Size nominal s DIN 912 (1983) Key Engagement t	M 11: 107.46 min. 71.26 55.10 min.	8 72 56 max. 108.54 max. 72.00 5 max. 55.40 in.	1 min, 119.46 min, 79.26 min, 65.10 m	6 72 120.54 max. 80.00 55 max. 65.40 in.	2 Min. 134.37 min. 89.13 7 min. 75.10 min.	1 90 52 135.63 max. 90.00 5 max. 75.40 n.	2 min. 149.37 min. 99.13 8 min. 85.12 m	6 12 150.63 max. 100.00 5 max. 85.47 In.		4				
Thread Size d1 Thread Pitch Thread Length b Head Dia. d2 DIN 912 (1983) Head Height k DIN 912 (1983) Key Size nominal s DIN 912 (1983)	M 11: 107.46 min. 71.26 55.10 min.	8 55 56 108.54 72.00 5 5 max. 55.40	1 min, 119.46 min, 79.26 min, 65.10 m	6 72 120.54 max. 80.00 55 max. 65.40	2 Min. 134.37 min. 89.13 7 min. 75.10 min.	1 90 5 32 max. 135.63 max. 90.00 5 max. 75.40	2 min. 149.37 min. 99.13 8 min. 85.12 m	6 12 150.63 max. 100.00 5 max. 85.47		4				
Thread Size d1 Thread Pitch Thread Length b Head Dia, d2 DIN 912 (1983) Head Height k DIN 912 (1983) Key Size nominal s DIN 912 (1983) Key Engagement t	M 11 107.46 min. 71.26 55.10 min. 4	8 72 56 max. 108.54 max. 72.00 5 max. 55.40 in.	119.45 min. 79.26 min. 65.10 m	6 72 120.54 max. 80.00 55 max. 65.40 in.	2 Min. 134.37 min. 89.13 7 min. 75.10 min.	1 90 52 135.63 max. 90.00 5 max. 75.40 n. 4	2 min, 149.37 min, 99.13 85.12 min, 85.12 m	6 12 150.63 max. 100.00 5 max. 85.47 In. 50 0.9		4.4.50	A2  /	44-70	A2 #	
Thread Size d1 Thread Pitch Thread Length b Head Dia. d2 DIN 912 (1983) Head Height k DIN 912 (1983) Key Size nominal s DIN 912 (1983) Key Engagement t DIN 912 (1983) Property Class Tensile Strength	M 11: min. 107.46 min. 71.26 3 min. 55.10 m 4 4 11: 17690	8 72 56 max. 108.54 max. 72.00 72.00 55 40 10. 3 3 2.9 00 psl	1 min. 119.46 min. 79.26 min. 65.10 m 8.8=d 1160	6 72 max. 120.54 max. 80.00 5 max. 65.40 in. 16mm 00 psl	2 M 19 min. 134.37 min. 89.13 7 5.10 min. 5 5.8ad 12035	1 90 52 135.63 max. 90.00 5 max. 75.40 n. 4 16mm 50 psl	2 min. 149.37 min. 99.13 8 min. 85.12 min. 6 10 1508	5 12 150.63 max. 100.00 5 max. 85.47 In. 60 0.9 00 p6l	A2 // 7250	44-50 10 psi	1015	laq 00	A2 // 1160	44-80 00 psi
Thread Size d1 Thread Pitch Head Dia. d2 DIN 912 (1983) Head Height k DIN 912 (1983) Key Size nominal s DIN 912 (1983) Key Engagement t DIN 912 (1983) Property Class	M 11: min. 107.46 min. 71.26 3 min. 55.10 m 4 4 11: 17690	8 72 56 56 max. 108.54 max. 72.00 5 5 55.40 in. 3 2.9 00 psi 00 psi	1 min. 119.46 min. 79.26 min. 65.10 m 8.8=d 1160	5 72 120.54 max. 80.00 55 max. 65.40 in. 48	2 M 19 min. 134.37 min. 89.13 7 5.10 min. 5 5.8ad 12035	1 90 5 22 max. 135.63 max. 90.00 5 max. 75.40 n. 16mm 50 psl 0 psl	2 min. 149.37 min. 99.13 85.12 min. 65.12 min. 65.12 11 1508 1363	6 12 150.63 max. 100.00 15 max. 65.47 in. 60 0.9 00 psi 00 psi	A2 // 7255 3045	A4-50 30 psi 30 psi	1015		A2 // 1160/ 8700	44-80 30 psi 10 psi
Thread Size d1 Thread Pitch Thread Length b Head Dia. d2 DIN 912 (1983) Head Height k DIN 912 (1983) Key Size nominal s DIN 912 (1983) Key Engagement t DIN 912 (1983) Property Class Tensile Strength	M 11: min. 107.46 min. 71.26 3 min. 55.10 m 4 4 11: 17690	8 72 56 max. 108.54 max. 72.00 72.00 55 40 10. 3 3 2.9 00 psl	1 min. 119.46 min. 79.26 min. 65.10 m 8.8=d 1160	6 72 max. 120.54 max. 80.00 5 max. 65.40 in. 16mm 00 psl	2 M 19 min. 134.37 min. 89.13 7 5.10 min. 5 5.8ad 12035	1 90 52 135.63 max. 90.00 5 max. 75.40 n. 4 16mm 50 psl	2 min. 149.37 min. 99.13 8 min. 85.12 min. 6 10 1508	5 12 150.63 max. 100.00 5 max. 85.47 In. 60 0.9 00 p6l	A2 // 7250	44-50 10 psi	1015	laq 00	A2 // 1160	44-80 00 psi

Property Class	Steel	Steel	Stainless Steel		
Property Class	12.9	8.8 & 10.9	A2 & A4		
Finish	F	Furnace Black	Plain		
Thread Tolerance	5g6g	6q			

Diameters & Lengths With ( ) are not recommended for new design.
M1.4, 2.6, 39 and 45 are no longer included in DIN 912.
M1.4, 2.6, 18, 22, 27, 33, 39, and 45 are no longer included in ISO 4762.
The basic difference between DIN 912-12.9 (1983) / ISO 4762-12.9 (1997) and ANSI B 18.3.M (1986) is both DIN and ISO have a thread tolerance of 5g6g, while ANSI has a thread tolerance of 4g6g, which may not be readily available on a worldwide basis.
ANSI B 18.3.1 M is only available in Property Class 12.9.

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

DIN 912 (1983) / ISO 4762 (1997) / ANSI B 18.3.1M (1982) - LGF 05/01/08

See Next Page For Additional Information