

Datasheet

A2, 304 Stainless Steel Self-Colour Hexagon Socket Button Head Screws: Metric Thread

RS Product No: 1838626



Button Head Socket Screws are designed for light duty with a similar thread design as a Socket Cap Screw although the dome shaped head is wider and has a lower profile than a Socket Cap Screw, presenting an aesthetic appearance to an assembly.

- A2 grade 304 Stainless Steel
- · Threaded in accordance with ISO 7380 standard
- Used for applications with limited space in high tensile applications.
- Suitable for light fastening applications in most food, facilities maintenance and electronic & domestic applications.
- Typical applications include; Machine tooling, Securing guards and covers, Securing ornamental, fixtures, plus many more engineering applications
- Requires a Hex key / Allen key

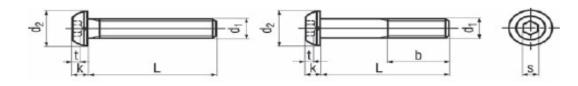


Please view our full range listing below for all A2, 304 Stainless Steel Self-Colour Hexagon Socket Button Head Screws

Line of Ohioma	ead Shape Material		Three of Cine	Longth	RS Part No.	
Head Shape	waterial	Stainless Steel Type	Thread Size	Length	KS Part No.	
Hex Socket Button	Stainless Steel	A2, 304	M3	8 mm	1838597	
Hex Socket Button	Stainless Steel	A2, 304	M3	10 mm	1838604	
Hex Socket Button	Stainless Steel	A2, 304	M3	12 mm	1838610	
Hex Socket Button	Stainless Steel	A2, 304	M4	8 mm	1838626	
Hex Socket Button	Stainless Steel	A2, 304	M4	10 mm	1838632	
Hex Socket Button	Stainless Steel	A2, 304	M4	12 mm	1838648	
Hex Socket Button	Stainless Steel	A2, 304	M4	16 mm	1838654	
Hex Socket Button	Stainless Steel	A2, 304	M5	10 mm	1838660	
Hex Socket Button	Stainless Steel	A2, 304	M5	12 mm	1838676	
Hex Socket Button	Stainless Steel	A2, 304	M5	16 mm	1838698	
Hex Socket Button	Stainless Steel	A2, 304	M5	20 mm	1838705	
Hex Socket Button	Stainless Steel	A2, 304	M5	25 mm	7976092	
		-				
Hex Socket Button	Stainless Steel	A2, 304	M6	10 mm	7976096	
Hex Socket Button	Stainless Steel	A2, 304	M6	12 mm	1838711	
Hex Socket Button	Stainless Steel	A2, 304	M6	16 mm	1838727	
Hex Socket Button	Stainless Steel	A2, 304	M6	20 mm	1838733	
Hex Socket Button	Stainless Steel	A2, 304	M6	25 mm	1838755	
Hex Socket Button	Stainless Steel	A2, 304	M6	30 mm	7976106	
Hex Socket Button	Stainless Steel	A2, 304	M6	40 mm	7976109	
		-				
Hex Socket Button	Stainless Steel	A2, 304	M8	12 mm	1838761	
Hex Socket Button	Stainless Steel	A2, 304	M8	16 mm	1855794	
Hex Socket Button	Stainless Steel	A2, 304	M8	20 mm	1838777	
Hex Socket Button	Stainless Steel	A2, 304	M8	25 mm	1838783	
Hex Socket Button	Stainless Steel	A2, 304	M8	30 mm	7976103	
Hex Socket Button	Stainless Steel	A2, 304	M8	40 mm	7976112	
Hex Socket Button	Stainless Steel	A2, 304	M8	50 mm	7976115	



BUTTON HEAD SOCKET HEAD CAP SCREWS ~ISO 7380 / ANSI B 18.3.4 M



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	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
10.0 7000	Nominal Size	2	2.5	3	4	5	6	8	10
~ISO 7380 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
109 0120 0	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

	~1\$0	7380	<pre><cccccccccccccccccccccccccccccccccccc< th=""><th colspan="2">ANSI B 18.3.4.M</th></cccccccccccccccccccccccccccccccccccc<></pre>							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									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			– – ו	i — —					34.5	35.5
40	39.5	40.5									39.5	40.5
45	44.5	45.5					1 — —				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 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+12mm 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 18.3.4M	property state rete or rete to intereste are wear residuance or the sound, arre-

~ISO 7380	ANSI B 18.3.4M			
Material	Steel	Stainless Steel	Material	Steel
Property Class	10.9	A2 & A4	Property Class	12.9
Finish	Fumace 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.

RS, Professionally Approved Products, gives you professional quality parts across all products categories. Our range has been testified by engineers as giving comparable quality to that of the leading brands without paying a premium price.