

# Hexagon Socket Low Head Cap Screws / Length Specified Hexagon Socket Low Head Cap Screws

CAD Data



Type	Material	Surface Treatment	Strength Class
CBS	1.1191/C45E (M3-8 - M12) 1.7220/34CrMo4 (M10)	Black Oxide	8.8
CBSST	1.4567/X3CrNiCu18-9-4	-	A2-50

  

M	r
2.5	0.1 or More
3	0.1 or More
4	0.2 or More
5	0.2 or More
6	0.25 or More
8	0.4 or More
10	0.4 or More
12	0.6 or More

\*The strength class signifies the screw's tensile strength.  
(Ex.) 8.8  
This signifies that the minimum value for yielding point or proof stress is 80% of tensile strength.  
It indicates that the minimum value of nominal tensile strength is 800N/mm<sup>2</sup> (81.6kgf/mm<sup>2</sup>).  
A2-50  
It indicates that the minimum value of nominal tensile strength is 500N/mm<sup>2</sup> (51.0kgf/mm<sup>2</sup>).  
The steel class is A2 (Austenitic Stainless Steel)

M x P	A	E	B	t max.	ℓ	Part Number	Unit Price			
							CBS	CBSST	Qty. 1-99	100-300
2.5 x 0.45	4.5	1.6	1.5	1.3	Full Thread	CBSST 2.5-5	-	-	2.00	1.30
						8	-	-	-	-
						10	-	-	-	-
3 x 0.5	5.5	2	2	1.5	Full Thread	CBS 3-6	0.12	0.11	0.27	0.14
						CBSST 8	-	-	-	-
						10	-	-	-	-
						12	0.14	0.13	0.32	0.16
						16	0.16	0.15	0.36	0.19
4 x 0.7	7	2.8	2.5	2.3	Full Thread	CBS 4-6	0.15	0.14	0.33	0.17
						CBSST 8	-	-	-	-
						10	-	-	-	-
						12	0.17	0.16	0.38	0.20
						16	0.19	0.18	0.42	0.23
5 x 0.8	8.5	3.5	3	2.7	Full Thread	CBS 5-8	0.19	0.18	0.42	0.23
						CBSST 10	-	-	-	-
						12	0.17	0.16	0.38	0.20
						16	0.21	0.19	0.48	0.27
						20	0.24	0.22	0.54	0.31
6 x 1.0	10	4	4	3	Full Thread	CBS 6-8	0.21	0.19	0.48	0.27
						CBSST 10	-	-	-	-
						12	0.19	0.18	0.42	0.23
						16	0.21	0.19	0.48	0.27
						20	0.24	0.22	0.54	0.31

M x P	A	E	B	t max.	ℓ	Part Number	Unit Price			
							CBS	CBSST	Qty. 1-99	100-300
8 x 1.25	13	5	5	3.8	Full Thread	CBS 8-10	0.34	0.32	0.77	0.45
						CBSST 12	-	-	-	-
						16	-	-	-	-
						20	0.33	0.31	0.75	0.44
						25	0.35	0.33	0.78	0.46
10 x 1.5	16	6	6	4.5	Full Thread	CBS 10-16	0.47	0.44	1.05	0.63
						CBSST 20	0.51	0.48	1.13	0.68
						25	0.56	0.53	1.26	0.76
						30	0.59	0.56	1.32	0.80
						35	0.64	0.60	1.44	0.88
12 x 1.75	18	7	8	5	Full Thread	CBS 12-20	0.79	0.75	1.77	1.09
						CBSST 25	0.70	0.66	1.58	0.96
						30	0.74	0.70	1.65	1.01
						35	0.93	0.88	2.10	1.30
						40	0.95	0.90	2.18	1.34

Order Example Part Number **CBSST4-10**

Days to Ship **6 Days** **2 Days** P.92



Type	Material	Surface Treatment	Strength Class
FCBS	1.1191/C45E	Black Oxide	8.8
FCBSM	-	Electroless Nickel Plating	-
FCBSST	1.4567/X3CrNiCu18-9-4	-	A2-50

Part Number	Type	M (Coarse)	L 1mm Increment	ℓ 1mm Increment	A	E	B	t max.	Unit Price Qty. 1-9					
									L10-50			51-L Max.		
FCBS FCBSM FCBSST		4	10~50	10~40 ℓ ≤ L	7	2.8	2.5	2.3	9,50	11,10	12,70	-	-	-
									9,50	11,10	12,70	11,00	12,90	14,90
									12,50	14,20	16,00	14,40	16,60	18,90
									13,50	16,00	18,70	15,70	18,60	21,50

Order Example Part Number **FCBS8** - **L 38** - **ℓ 10**

Days to Ship **8 Days** **10 Days** •FCBSM P.92

Price Volume Discount P.92

Quantity	1-9	10-19	20-29	30-49
Rate	Price List	5%	10%	15%

\* For orders larger than indicated values, please request for quotation.

- Features
- Hexagon Socket Low Head Cap Screws
  - They can be used where cap screw's head interferes adjacent parts.

# Screws with Through Hole

-Extra Low Head Cap Screws, Low Head Cap Screws, Hexagon Socket / Hexagon / Full Thread Type-

Price Reduction Average 5%

CAD Data

■ Extra Low Head Screws with Through Hole

RoHS

CBASG

1.4567/X3CrNiCu18-9-4 (1.4301/X5CrNi18-10 Equivalent)

Part Number	Type	M x P	A	E	B	d	Unit Price	
							Qty. 1-49	50-100
CBASG 3-6		3 x 0.5	6	1.3	1.5	1.2	3,50	2,45
							3,50	2,45
							3,80	2,65
							3,80	2,65
							4,20	2,95
CBASG 4-6		4 x 0.7	8	1.5	2	1.5	3,50	2,45
							3,50	2,45
							3,80	2,65
							3,80	2,65
							4,20	2,95
CBASG 5-10		5 x 0.8	9	1.5	3	1.5	3,80	2,65
							3,80	2,65
							4,00	2,80
							4,00	2,80
							4,50	3,15
CBASG 6-10		6 x 1.0	10	1.5	3	2	4,00	2,80
							4,00	2,80
							4,50	3,15
							4,50	3,15
							5,00	3,50

■ Low Head Screws with Through Hole

RoHS

CBAST

1.4567/X3CrNiCu18-9-4 (1.4301/X5CrNi18-10 Equivalent)

Part Number	Type	M x P	A	E	B	d	Unit Price	
							Qty. 1-49	50-100
CBAST 3-6		3 x 0.5	5.5	2	2	1.2	2,60	1,80
							2,60	1,80
							2,60	1,80
							2,80	1,95
							2,80	1,95
CBAST 4-6		4 x 0.7	7	2.8	2.5	1.5	2,60	1,80
							2,60	1,80
							2,60	1,80
							2,80	1,95
							2,80	1,95
CBAST 5-10		5 x 0.8	8.5	3.5	3	1.5	2,80	1,95
							2,80	1,95
							2,80	1,95
							3,00	2,10
							3,20	2,25
CBAST 6-10		6 x 1.0	10	4	4	2	2,80	1,95
							2,80	1,95
							3,00	2,10
							3,00	2,10
							3,60	2,50

■ Hexagon Socket Head Cap Screws with Through Hole

RoHS

CBAS CBASTN

1.4567/X3CrNiCu18-9-4 (1.4301/X5CrNi18-10 Equivalent) CBAS  
3.7035/Ti99.5 (Ti2) CBASTN

Part Number	Type	M x P	A	E	B	d	Unit Price CBAS		Unit Price CBASTN	
							Qty. 1-49	50-100	Qty. 1-49	50-100
CBAS 3-6		3 x 0.5	5.5	3	2.5	1.2	1,10	0,95	-	-
							1,20	1,00	7,00	5,60
							1,30	1,10	7,50	6,00
							1,50	1,20	7,90	6,30
							1,50	1,30	9,20	7,35
CBAS 4-6		4 x 0.7	7	4	3	1.5	1,30	1,10	-	-
							1,40	1,20	-	-
							1,50	1,20	8,40	6,75
							1,50	1,30	8,40	6,75
							1,60	1,40	9,50	7,60
CBAS 5-8		5 x 0.8	8.5	5	4	1.5	1,50	1,20	-	-
							1,50	1,30	9,50	7,60
							1,60	1,40	10,00	8,00
							1,70	1,50	11,00	8,80
							1,90	1,70	12,70	10,15
CBAS 6-8		6 x 1.0	10	6	5	2	1,50	1,30	-	-
							1,60	1,40	11,00	8,80
							1,70	1,50	11,70	9,35
							1,90	1,70	12,50	10,00
							2,10	1,80	13,80	11,05
CBAS 8-12		8 x 1.25	13	8	6	2	2,40	2,00	-	-
							2,40	2,00	22,00	17,60
							2,60	2,10	25,00	20,00
							2,30	1,90	-	-
							2,10	1,80	-	-
CBASTN 10-15		10 x 1.5	16	10	8	2	2,30	1,90	-	-
							2,60	2,20	-	-
							2,80	2,20	-	-
							3,00	2,40	-	-
							3,00	2,40	-	-

■ Hexagon Screws with Through Hole

RoHS

RCBAS

1.4567/X3CrNiCu18-9-4 (1.4301/X5CrNi18-10 Equivalent)

Part Number	Type	M x P	A	E	d	Unit Price	
						Qty. 1-49	50-100
RCBAS 3-6		3 x 0.5	5.5	2	1.2	1,80	1,40
						1,80	1,40
						1,90	1,50
						1,90	1,50
						2,10	1,60
RCBAS 4-6		4 x 0.7	7	2.8	1.5	1,70	1,30
						1,70	1,30
						1,90	1,40
						1,90	1,40
						2,00	1,55
RCBAS 5-8		5 x 0.8	8	3.5	2	1,90	1,40
						1,90	1,40
						2,00	1,55
						2,00	1,55
						2,10	1,60
RCBAS 6-8		6 x 1.0	10	4	2	1,70	1,30
						1,70	1,30
						2,00	1,50
						2,20	1,70
						2,20	1,70
RCBAS 8-15		8 x 1.25	13	5.5	2	2,40	1,80
						2,40	1,80
						2,40	1,80
						2,60	2,00
						2,60	2,00

■ Full Thread Screws with Through Hole

RoHS

MCBAS

1.4567/X3CrNiCu18-9-4 (1.4301/X5CrNi18-10 Equivalent)

Part Number	Type	M x P	B	t	d	Unit Price	
						Qty. 1-49	50-100
MCBAS 3-8		3 x 0.5	1.5	0.7	1.2	2,50	1,60
						2,60	1,80
						3,60	2,40
MCBAS 4-12		4 x 0.7	2.0	2.2	1.5	2,60	1,80
						2,80	1,90
						3,00	2,10
						3,50	2,40
						3,70	2,50
MCBAS 5-15		5 x 0.8	2.5	2.8	1.5	2,80	1,90
						3,00	2,10
						3,50	2,40
						3,70	2,50
						4,30	2,80
MCBAS 6-15		6 x 1.0	3.0	3.0	2	3,20	2,30
						3,20	2,30
						4,00	2,70
						4,30	2,80
						4,30	2,80
MCBAS 8-20		8 x 1.25	4.0	4.0	2	3,70	2,50
						4,10	2,70
						4,70	