

Hex Socket Head Cap Screws

Full Thread / High Strength Stainless Steel / Configurable Length

SUS316L Hex Socket Head Cap Screws / Hex Screws / Nuts / Washers

Hex Socket Head Cap Screws Full Thread

Type	Material	Surface Treatment	Hardness	Strength Class
ACB	SCM435	Black Oxide Coating	32~44HRC	12.9(M3-M20)10.9(M24)
ASCB	SUS304 Equivalent	-	-	A2-70

RoHS10

Hex Socket Head Cap Screws High Strength Stainless Steel

Material: SUS316L
JIS B 1176
* Strength Class: A4-100 (10.9 Equivalent)

SCBF: M5, M6
M3, M4

RoHS10

Part Number	ACB		Part Number	ACB			
	Unit Price	Volume Discount Rate		Unit Price	Volume Discount Rate		
Type	M-L	1 ~ 99 pcs.	100 ~ 500 pcs.	Type	M-L	1 ~ 99 pcs.	100 ~ 500 pcs.
3-25				12-50			
30				55			
35				60			
40				65			
45				70			
50				75			
4-30				80			
35				85			
40				90			
45				100			
50				110			
55				120			
60				16-60			
5-30				65			
35				70			
40				75			
45				80			
50				85			
55				90			
60				100			
65				110			
70				120			
75				20-70			
80				75			
85				80			
90				85			
100				90			
110				100			
120				110			
6-35				120			
40				24-100			
45				110			
50				110			
55				120			
60				120			
65				120			
70				120			
75				120			
80				120			
85				120			
90				120			
100				120			
110				120			
120				120			

Part Number	Unit Price			Part Number	Unit Price		
	M-L	1 ~ 4 pc(s).	5 ~ 49 pcs.		M-L	1 ~ 99 pcs.	100 ~ 500 pcs.
Type	M-L	1 ~ 4 pc(s).	5 ~ 49 pcs.	Type	M-L	1 ~ 99 pcs.	100 ~ 500 pcs.
3-5				12-50			
6				55			
8				60			
10				65			
12				70			
15				75			
20				80			
4-6				85			
8				90			
10				100			
12				110			
15				120			
20				16-60			
5-8				65			
10				70			
12				75			
15				80			
20				85			
25				90			
6-10				100			
8				110			
10				120			
12				20-70			
15				75			
20				80			
25				85			
30				90			

Mechanical Properties (Reference)

Type	Material	Strength Class	Tensile Strength (N/mm ²)	0.2% Proof Stress (N/mm ²)	Corrosion Resistance	Nonmagnetic
SCB	SUSXM7	A2-70	700	450	○	○
SSCB	SUS316L	A4-70	700	450	○	○
SCBF	SUS316L	A4-100 (10.9 Equivalent)	1000	900	○	○

⊕ SCB P.174 SSCB P.180 ⊙: Excellent / ○: Good

MxP	A	E	B
3x0.5	5.5	3	2.5
4x0.7	7	4	3
5x0.8	8.5	5	4
6x1.0	10	6	5
8x1.25	13	8	6
10x1.5	16	10	8
12x1.75	18	12	10
16x2.0	24	16	14
20x2.5	30	20	17
24x3.0	36	24	19

Hex Socket Head Cap Screws Configurable Length

Type	Material	Surface Treatment	Hardness	Strength Class
FBAB	SCM435	Black Oxide	38~43HRC	12.9
FBAM	SUS304 Equivalent	Electroless Nickel Plating	-	-
FBAS	SUS304 Equivalent	-	-	A2-70

RoHS10

Part Number	Type	M (Coarse)	L 1mm Increment	l 1mm Increment	Unit Price					
					FBAB	FBAM	FBAS	FBAS		
					Min. L - 100	L101~	Min. L - 100	L101~	Min. L - 100	L101~
FBAB		4	30~100	10~40	-	-	-	-	-	-
FBAM		5	30~100	⊕ l ≤ L	-	-	-	-	-	-
FBAS		6	35~150		-	-	-	-	-	-
		8	40~150		-	-	-	-	-	-
		10	45~210		-	-	-	-	-	-

⊕ For l=L, there will be incomplete threads (2 pitches Max.) below the screw head

Material: SUS316L
Strength Class: SSCB A4-70
RSSCB A4-50 Equivalent

RoHS10

SUS316L Hex Socket Head Cap Screws

Part Number	M-L	MxP	A	E	B	Unit Price	Volume Discount Rate
Type	M-L					1 ~ 49 pc(s).	50 ~ 200 pcs.
SSCB	3-6	3x0.5	5.5	3	2.5		
	8						
	10						
	12						
	15						
	20						
SSCB	4-8	4x0.7	7	4	3		
	10						
	12						
	15						
	20						
SSCB	5-8	5x0.8	8.5	5	4		
	10						
	12						
	15						
	20						
SSCB	6-10	6x1.0	10	6	5		
	12						
	15						
	20						
	25						
SSCB	8-15	8x1.25	13	8	6		
	20						
	25						
	30						
	35						
SSCB	10-20	10x1.5	16	10	8		
	25						
	30						
	35						
SSCB	12-20	12x1.75	18	12	10		
	25						
	30						
	35						

SUS316L Nuts

Part Number	M	B	(e)	T	Unit Price	Volume Discount Rate
Type	M				1 ~ 49 pc(s).	50 ~ 200 pcs.
SSLBNR	3	5.5	6.4	2.4		
	4	7	8.1	3.2		
	5	8	9.2	4		
	6	10	11.5	5		
	8	13	15	6.5		
	10	17	19.6	8		
	12	19	21.9	10		

SUS316L Spring Washers

Part Number	No.	d	D	t	Unit Price	Volume Discount Rate
Type	No.				1 ~ 49 pc(s).	50 ~ 200 pcs.
SSSLW	3	3.1	5.9	0.7		
	4	4.1	7.6	1.0		
	5	5.1	9.2	1.3		
	6	6.1	12.2	1.5		
	8	8.2	15.4	2.0		
	10	10.2	18.4	2.5		
	12	12.2	21.5	3.0		

SUS316L Washers

Part Number	No.	D	d	t	Unit Price	Volume Discount Rate
Type	No.				1 ~ 49 pc(s).	50 ~ 200 pcs.
SSPW	3	7	3.2	0.5		
	4	9	4.3	0.8		
	5	10	5.3	1.0		
	6	12.5	6.4	1.5		
	8	17	8.4	1.5		
	10	21	10.5	2.0		
	12	24	13.0	2.5		

Ordering Example

Part Number: SSCB5-12 SSSLW8

SUS316L Hex Screws

Part Number	M-L	MxP	A	E	Unit Price	Volume Discount Rate
Type	M-L				1 ~ 49 pc(s).	50 ~ 200 pcs.
RSSCB	4-10	4x0.7	7	2.8		
	12					
	15					
	20					
RSSCB	5-10	5x0.8	8	3.5		
	12					
	15					
	20					
RSSCB	6-10	6x1.0	10	4.0		
	12					
	15					
	20					
RSSCB	8-15	8x1.25	13	5.5		
	20					
	25					
	30					
RSSCB	10-20	10x1.5	17	7.0		
	25					
	30					
	35					

Properties of SUS316L

SUS316L is composed of SUS304 with Molybdenum added, having high corrosion resistance.

<Reference: Corrosion Resistance of Stainless Steel>

Testing Method
Conforms to the cycle test method in JIS H 8502 for a complex corrosion test.

Test Conditions
① (1) Salt Water Spray Test (5%NaCl, 35°C) 2hr
② Dry (60°C) 4hr
③ Wet (95%RH, 35°C) 2hr
One cycle takes 8 hrs.

Appearance of test piece 48 hrs, 168 hrs before test