

Cap Screws

Low Small Head / Small Head / Configurable Length Small Head

Cap Screws – Low Small Head / Small Head

Product Name	Type	Material	Surface Treatment	Hardness	Strength Class
Low Small Head Cap Screws	KBB	4137 Alloy Steel	Black Oxide	22-32 HRC min.	8.8 Equivalent
	KBBS	304 Stainless Steel or Equivalent	—	—	A2-70 Equivalent
Small Head Cap Screws	SBB	4137 Alloy Steel	Black Oxide	22-32 HRC min.	8.8 Equivalent
	SBBSS	304 Stainless Steel or Equivalent	—	—	A2-70 Equivalent

KBB KBBS

Low Small Head Cap Screws

SBB SBBSS

Small Head Cap Screws

ⓘ Low Small Head Cap Screws and Small Head Cap Screws are fully threaded. ⓘ The head is not knurled.

Type	M (Coarse)	Part Number									
		L									
KBB KBBS SBB SBBSS	3	5	6	8	10						
	4	6	8	10	12	16	20	25			
	5	6	8	10	12	16	20	25			
	6	8	10	12	16	20	25				
	8	10	12	16	20	25	30				
	10	16	20	25	30	35					
	12	20	25	30							

Part Number Example **Part Number**
KBBSS6-20

Cap Screws – Configurable Length Small Head

Type	Material		Surface Treatment	Hardness	Strength Class	
	Low Small Head Type	Small Head Type			Low Small Head	Small Head
FKBB	1045 Carbon Steel or Equivalent	FSBB	Black Oxide	22-32 HRC min.	8.8 Equivalent	
FKBBM	—	FSBBM	Electroless Nickel Plating		—	
FKBBS	304 Stainless Steel or Equivalent	FSBBS	—	—	A2-50 Equivalent	A2-70 Equivalent

Low Small Head

Small Head

ⓘ The head is not knurled.

Type	M (Coarse)	1 mm Increment		ℓ	A	E ₁	E ₂	B ₁	B ₂	t ₁	t ₂
		Low Small Head	Small Head								
FKBB FKBBM FKBBS FSBB FSBBM FSBBS	4	10-50	10-100	10-40 ⓘ ℓ ≤ L	5.5	2.8	4	2.5	3	(2)	(2)
	5	10-60	10-100		7	3.5	5	3	4	(2.5)	(2.5)
	6	10-80	10-150		8.5	4	6	4	5	(3)	(3)
	8	10-90	10-150		10	5	8	5	6	(4)	(4)

ⓘ FKBB, FKBBM, and FKBBS are not available on M4 for L values larger than 51.

Part Number Example **Part Number**
FKBB4 - 40 - 36

Screws with Through Hole

Extra Low / Low / Hexagon Socket Head Cap Screws / Hexagon / Fully Threaded Screws

Screws with Through Hole – Hexagon Socket Extra Low Head Cap Screws

RoHS10

CBASG

Material: 304 Stainless Steel or Equivalent

Part Number	Type	M - L	M x P	A	E	B	d
4 - 6 8 10 12 16	4 x 0.7	8	1.5	2	1.5		
5 - 10 12 16 20	5 x 0.8	9	1.5	3	1.5		
6 - 10 12 16 20 30	6 x 1.0	10	1.5	3	2		

Screws with Through Hole – Hexagon Socket Low Head Cap Screws

RoHS10

CBAST

Material: 304 Stainless Steel

Part Number	Type	M - L	M x P	A	E	B	d
4 - 6 8 10 12 16 20	4 x 0.7	7	2.8	2.5	1.5		
5 - 10 12 16 20 25	5 x 0.8	8.5	3.5	3	1.5		
6 - 10 12 16 20 30	6 x 1.0	10	4	4	2		

Screws with Through Hole – Hexagon Socket Head Cap Screws

RoHS10

CBAS CBASTN

Material: 304 Stainless Steel or Equivalent CBAS CBASTN
Titanium Class 2 or Equivalent

Part Number	Type	M - L	M x P	A	E	B	d	Available Types	
								CBAS	CBASTN
3 - 6 8 10 12 15	CBAS CBASTN	3 - 6	3 x 0.5	5.5	3	2.5	1.2	1-48	50-100
4 - 6 8 10 12 15								1-48	50-100
5 - 8 10 12 15 20								1-48	50-100
6 - 8 10 12 15 20 25 30								1-48	50-100
8 - 12 15 20 25 30	CBAS CBASTN	8 - 12	8 x 1.25	13	8	6	2	1-48	50-100
10 - 15 20 25 30								1-48	50-100

Screws with Through Hole – Hexagon Screws

RoHS10

RCBAS

Material: 304 Stainless Steel or Equivalent

Part Number	Type	M - L	M x P	A	E	d
4 - 6 8 10 12 15 20	4 x 0.7	7	2.8	1.5		
5 - 8 10 12 16 20 25	5 x 0.8	8	3.5	2		
6 - 8 10 12 16 20 25 30	6 x 1.0	10	4	2		
8 - 15 20 25 30	8 x 1.25	13	5.5	2		

Screws with Through Hole – Fully Threaded Screws

RoHS10

MCBAS

Material: 304 Stainless Steel or Equivalent

Part Number	Type	M - L	M x P	B	t	d
4 - 12 15 20 25	4 x 0.7	2.0	2.2	1.5		
5 - 15 20 25 30	5 x 0.8	2.5	2.8	1.5		
6 - 15 20 25 30	6 x 1.0	3.0	3.0	2		
8 - 20 25 30 35	8 x 1.25	4.0	4.0	2		

Application Example

Through Hole for Air Vent

Reference: Tensile Breaking Load (N)

Extra Low Head / Low Head	
M3	1440
M5	4630

ⓘ The above values are just a reference and are not guaranteed.

Part Number Example **Part Number**
CBAS5-10
RCBAS4-6
MCBAS8-30