Screws for Aluminum Extrusions

Single Item / Bulk Packages

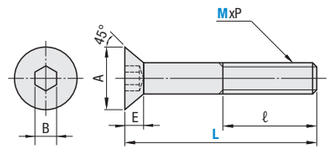
Features: Flathead screws for countersunk holes such as on hinges and etc.

Hex Socket Flat Head Screws

Type	Materials	Surface Treatment
HFBCM	4137 Alloy Steel	Trivalent Chromate
SHFBS	304 Stainless Steel	—
HFBMB	4137 Alloy Steel	Trivalent Chromate (Black)

HFBCM Trivalent Chromate
SHFBS Stainless Steel
HFBMB Trivalent Chromate (Black)

ⓘ The E dimension on all screws pertains to the distance from the tip of the bolt to the intersection between the thread and the bolts head.



ℓ	Part Number Type	Part Number M - L	M x P	A	E	B	Available Types HFBCM 1–39 pc(s).	HFBCM 40–99 pcs.	HFBCM 100–200	SHFBS 1–39 pc(s).	SHFBS 40–99 pcs.	SHFBS 100–200	HFBMB 1–39 pc(s).	HFBMB 40–99 pcs.	HFBMB 100–
Fully Threaded	HFBCM SHFBS HFBMB	3 - 6	3 x 0.5	6	1.7	2	•	•	•	—	—	—	—	—	—
		8								•	•	•	—	—	—
		10											—	—	—
		12											•	•	•
Fully Threaded	HFBCM SHFBS HFBMB	4 - 6	4 x 0.7	8	2.3	2.5	•	•	•	•	•	•	—	—	—
		8											—	—	—
		10											•	•	•
		12													
Fully Threaded	HFBCM SHFBS HFBMB	5 - 6	5 x 0.8	10	2.8	3	•	•	•	•	•	•	—	—	—
		8											•	•	•
		10													
		12													
		15					•	•	•	•	•	•	•	•	•
		20					•	•	•	•	•	•	•	•	•
16		35					•	•	•	•	•	•	—	—	—
		40					•	•	•	•	•	•	—	—	—
		*45					—	—	—	•	•	•	—	—	—
Fully Threaded	HFBCM SHFBS HFBMB	6 - 8	6 x 1.0	12	3.3	4	•	•	•	•	•	•	•	•	•
		10													
		12													
		15					•	•	•	•	•	•	•	•	•
		20					•	•	•	•	•	•	•	•	•
Fully Threaded	HFBCM SHFBS HFBMB	8 - 12	8 x 1.25	16	4.4	5	•	•	•	•	•	•	•	•	•
		15													
		16													
		20					•	•	•	•	•	•	•	•	•
Fully Threaded	HFBCM SHFBS HFBMB	10 - *16	10 x 1.5	20	5.5	6	•	•	•	•	•	•	—	—	—
		18								—	—	—			
Fully Threaded	SHFBS	12 - 20	12 x 1.75	24	6.5	8	—	—	—	•	•	•			

ⓘ HFBCM5-45 is not available. ⓘ HFBMB10-16 is not available.

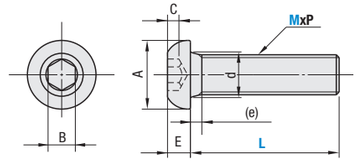
Features: Convenient screws for visible locations such as panel mounting.

Hex Socket Button Head Cap Screw

RoHS 10

Type	Material	Hardness	Surface Treatment
HBCBM	4137 Alloy Steel	31 HRC min.	Trivalent Chromate
SBCB	302 HQ Stainless Steel	—	—

HBCBM Trivalent Chromate
SBCB Stainless Steel



JIS B 1174

Part Number Type	Part Number M - L	A	E	B	C (Min.)	d	(e) (Max.)
HBCBM	5 - 10	9.5	2.75	3	1.56	5.7	1.6
	15						
	6 - 20	10.5	3.3	4	2.08	6.8	2
	25						
	8 - 20	14	4.4	5	2.6	9.2	2.5
	25						
	35						
SBCB	4 - 12	7.5	2.2	2.5	1.3	4.7	2.1
	6 - 25	10.5	3.3	4	2.08	6.8	3
	8 - 25	14	4.4	5	2.6	9.2	3.5
	35						
	10 - 30	17.5	5.5	6	3.12	11.2	4.5
	12 - 35	21	6.6	8	4.16	14.2	5.25

Part Number Example — Part Number: HFBCM4-6, HBCBM6-20

For other specs, refer to P.2388

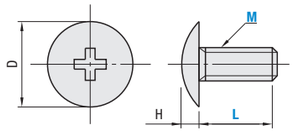
Screws for Aluminum Extrusions

Single Item / Bulk Packages

Features: Flathead screws for countersunk holes such as on hinges and etc.

Cross Recessed Truss Machine Screws

HCBM **HCBMB** Trivalent Chromate (Black) **SHCBM** Stainless Steel



Type	Material	Surface Treatment
HCBM	Carbon Steel for Mechanical Structure	Bright Chromate Plating
SHCBM	304 Stainless Steel Equivalent	—
HCBMB	Carbon Steel for Mechanical Structure	Trivalent Chromate (Black)

Part Number Type	Part Number M - L	D	H	Available Types HFBCM 1–79 pc(s).	HFBCM 80–99 pcs.	HFBCM 100–	SHFBS 1–79 pc(s).	SHFBS 80–99 pcs.	SHFBS 100–	HFBMB 1–79 pc(s).	HFBMB 80–99 pcs.	HFBMB 100–
HCBM SHCBM	3 - 6	6.9	1.9	•	•	•	•	•	•	—	—	—
HCBM	4 - 5	9.4	2.5	•	•	•	•	•	•	—	—	—
SHCBM	8											
HCBMB	10									•	•	•
	12											
HCBM SHCBM HCBMB	5 - 8	12	3.1	•	•	•	•	•	•	•	•	•
	10											
	12											
	15											
	30			•			—	—	—	—	—	—
	35						—	—	—	—	—	—
HCBM SHCBM HCBMB	6 - 10	14	3.7	•	•	•	•	•	•	•	•	•
	12											
	15						—	—	—	—	—	—

Part Number Example — Part Number: HCBM5-12

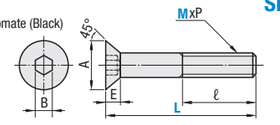
Features: Bulk packages of Hex Socket Flat Head Cap Screws and Cross Recessed Truss Machine Screws. Bulk packages are cost effective for in-house stock or large quantity uses.

Hex Socket Flat Head Cap Screws / Phillips Truss Machine Screws Small Screw Bulk Packages (500 pcs. per Pkg)

Type		Material	Surface Treatment
Hex Socket Flat Head Cap Screws	HFBCM SHFBS HFBMB	4137 Alloy Steel	Trivalent Chromate
		304 Stainless Steel Equivalent	—
		4137 Alloy Steel	Trivalent Chromate (Black)
Phillips Truss Machine Small Screws	HCBM SHCBM HCBMB	Carbon Steel for Mechanical Structure	Bright Chromate Plating
		304 Stainless Steel Equivalent	—
		Carbon Steel for Mechanical Structure	Trivalent Chromate (Black)

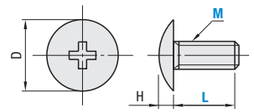
Hex Socket Flat Head Cap Screws Bulk Packages

HFBCM Trivalent Chromate
SHFBS Stainless Steel
HFBMB Trivalent Chromate (Black)



Phillips Truss Machine Small Screws Bulk Packages

HCBM **HCBMB** Trivalent Chromate (Black)
SHCBM Stainless Steel



Hex Socket Flat Head Cap Screws

Part Number Type	M	L	SET / (500 Pc/Pkg)	M X P	ℓ	A	E	B
HFBCM SHFBS HFBMB	3	6 8 10 12	SET1	3 x 0.5	Full Thread	6	1.7	2
	4	6 8 10 12		4 x 0.7	Full Thread	8	2.3	2.5
	5	6 8 10 12 15 20 35 40 45		5 x 0.8	Full Thread 16	10	2.8	3
	6	8 10 12 15 20		6 x 1.0	Full Thread	12	3.3	4
	8	12 15 16 20		8 x 1.25	Full Thread	16	4.4	5
	10	16 18		10 x 1.5	Full Thread	20	5.5	6

*HFBCM5-45-SET1 is not available. **HFBMB10-16-SET1 is not available.

M - L	HFBCM	SHFBS	HFBMB
3 - 6	•	—	—
8		•	—
10			
12			•
4 - 6			—
8			
10			
12			•
5 - 6			—
8	•	•	•
10			
12			
15	•	•	•
20	•	•	•
35	•	•	—
40	•	•	
45	—	•	
6 - 8			—
10	•	•	•
12			
15	•	•	•
20	•	•	•
8 - 12			—
15	•	•	•
16			
20	•	•	•
10 - 16	•	•	—
18		—	

Phillips Truss Machine Screws

Part Number Type	M	L	SET / (500 Pc/Pkg)	D	H
HCBM SHCBM HCBMB	3	6	SET1	6.9	1.9
	4	5 8 10 12		9.4	2.5
	5	8 10 12 15 30 35		12	3.1
	6	10 12 15		14	3.7

Part Number Example — Part Number: HFBCM5-10-SET1

M - L	HCBM	SHCBM	HCBMB
3 - 6	•	•	—
4 - 5			—
8	•	•	•
10			
12			
5 - 8			
10	•	•	•
12			
15			
30	•	—	—
35			
6 - 10			
12	•		
15		—	—