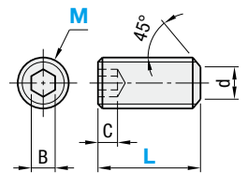
Note that, for some of the types shown here, order might be unable to be received by the MISUMI Thailand, Malaysia, Indonesia, and/or India offices.

Hex Socket Set Screws

Flat End (Available in box)

Type	Material	Hardness	Surface Treatment
BOX-MSSF	SCM435	45HRC~	Black Oxide
BOX-MSSFS	SUS304 Equivalent	-	-



MxP (Coarse)	B	C (Min.)	d (Max.)
2 x0.4	0.9	0.8	1
2.5x0.45	1.3	1.2	1.5
2.6x0.45	1.3	1.2	1.5
3 x0.5	1.5	1.2	2
4 x0.7	2	1.5	2.5
5 x0.8	2.5	2	3.5

Can be ordered as a separate item. P.211

Please specify in box quantity when ordering.
One box is shipped for an order of 1.

Ordering Example

Part Number
BOX-MSSF3-10
BOX-MSSFS2.5-5

■Box package is cost-saving for in-house stock or when large quantities are needed.

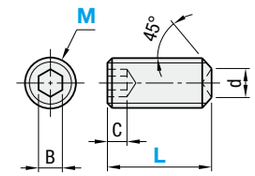
Part Number		Unit Price 1 to 10 boxes		Pcs./ Box
Type	M-L	Price per pkg.	1 Box	
BOX-MSSF	2- 2			1,000 pcs./box
	3			
	4			
	5			
	6			
	2.5- 3			
	4			
	5			
	6			
	2.6- 3			
	4			
	5			
	6			
	3- 3			
	4			
	5			
	6			
	8			
	10			
	4- 4			
	5			
	6			
	8			
	10			
	5- 5			
	6			
	8			
	10			

Part Number		Unit Price 1 to 10 boxes		Pcs./ Box
Type	M-L	Price per pkg.	1 Box	
BOX-MSSFS (Stainless Steel)	2- 2			1,000 pcs./box
	3			
	4			
	5			
	6			
	2.5- 3			
	4			
	5			
	6			
	2.6- 3			
	4			
	5			
	6			
	3- 3			
	4			
	5			
	6			
	8			
	10			
	4- 4			
	5			
	6			
	8			
	10			
	5- 5			
	6			
	8			
	10			

Hex Socket Set Screws

Cup Point (Boxes)

Type	Material	Hardness	Surface Treatment
BOX-MSSK	SCM435	45HRC~	Black Oxide
BOX-MSSU	SUS304 Equivalent	-	-



MxP (Coarse)	B	C (Min.)	d (Max.)
2 x0.4	0.9	0.8	1
2.5x0.45	1.3	1.2	1.2
2.6x0.45	1.3	1.2	1.2
3 x0.5	1.5	1.2	1.4
4 x0.7	2	1.5	2
5 x0.8	2.5	2	2.5

Can be ordered as a separate item. P.211

Please specify in box quantity when ordering.
One box is shipped for an order of 1.

Ordering Example

Part Number
BOX-MSSK5-5
BOX-MSSU2-3

■Box package is cost-saving for in-house stock or when large quantities are needed.

Part Number		Unit Price 1 to 10 boxes		Pcs./ Box
Type	M-L	Price per pkg.	1 Box	
BOX-MSSK	2- 2			1,000 pcs./box
	3			
	4			
	5			
	6			
	2.5- 3			
	4			
	5			
	6			
	2.6- 3			
	4			
	5			
	6			
	3- 3			
	4			
	5			
	6			
	8			
	10			
	4- 4			
	5			
	6			
	8			
	10			
	5- 5			
	6			
	8			
	10			

Part Number		Unit Price 1 to 10 boxes		Pcs./ Box
Type	M-L	Price per pkg.	1 Box	
BOX-MSSU (Stainless Steel)	2- 2			1,000 pcs./box
	3			
	4			
	5			
	6			
	2.5- 3			
	4			
	5			
	6			
	2.6- 3			
	4			
	5			
	6			
	3- 3			
	4			
	5			
	6			
	8			
	10			
	4- 4			
	5			
	6			
	8			
	10			
	5- 5			
	6			
	8			
	10			

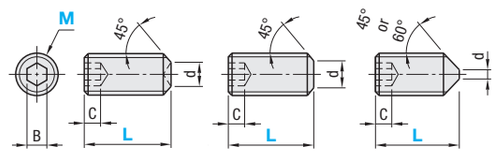
Note that, for some of the types shown here, order might be unable to be received by the MISUMI Malaysia, Indonesia, and/or India offices.

Hex Socket Set Screws

Cup Point/Flat End/Cone Point (Available in Single item)

MSSF, MSSFS, MSSK and MSSU can be ordered in cost-saving boxes. P.209, 210

MSSK **MSSF** **MSST**
MSSU (Stainless Steel) **MSSFS** (Stainless Steel) **MSSTS** (Stainless Steel)



* For MSST/MSSTS (Cone Point), M=L and the specifications in the below table are 60°.

M-L			
2-3	3-4	4-5	5-6

Type	Material	Hardness	Surface Treatment
MSSK	SCM435 Equivalent	45HRC~	Black Oxide
MSSF			
MSST			
MSSU	SUS304 Equivalent	-	-
MSSFS			
MSSTS			

MxP (Coarse)	B	C (Min.)	d (Max.) Flat End	d (Max.) Cone Point	d (Max.) Cup Point
2x0.4	0.9	0.8	1	0.8	1
2.6x0.45	1.3	1.2	1.5	1.2	1.2
3x0.5	1.5	1.2	2	0.75	1.4
4x0.7	2	1.5	2.5	1	2
5x0.8	2.5	2	3.5	1.25	2.5
6x1.0	3	2	4	1.5	3
8x1.25	4	3	5.5	2	5
10x1.5	5	4	7	2.5	6
12x1.75	6	4.8	8.5	3	8

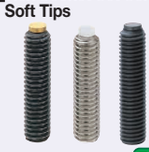
Part Number Type	M - L	MSSK (Cup Point) Unit Price 1 ~ 9 pc(s).	MSSK (Cup Point) Volume Discount Rate 10 ~ 199 pcs.	MSSK (Cup Point) Volume Discount Rate 200 ~ 500 pcs.	MSSF (Flat End) Unit Price 1 ~ 9 pc(s).	MSSF (Flat End) Volume Discount Rate 10 ~ 199 pcs.	MSSF (Flat End) Volume Discount Rate 200 ~ 500 pcs.	MSST (Cone Point) Unit Price 1 ~ 9 pc(s).	MSST (Cone Point) Volume Discount Rate 10 ~ 199 pcs.	MSST (Cone Point) Volume Discount Rate 200 ~ 500 pcs.	MSSU (Cup Point) Unit Price 1 ~ 9 pc(s).	MSSU (Cup Point) Volume Discount Rate 10 ~ 199 pcs.	MSSU (Cup Point) Volume Discount Rate 200 ~ 500 pcs.	MSSFS (Flat End) Unit Price 1 ~ 9 pc(s).	MSSFS (Flat End) Volume Discount Rate 10 ~ 199 pcs.	MSSFS (Flat End) Volume Discount Rate 200 ~ 500 pcs.	MSSTS (Cone Point) Unit Price 1 ~ 9 pc(s).	MSSTS (Cone Point) Volume Discount Rate 10 ~ 199 pcs.	MSSTS (Cone Point) Volume Discount Rate 200 ~ 500 pcs.
MSSK MSSF MSST (Stainless Steel) MSSU MSSFS MSSTS	2 - 2																			
	3																			
	4																			
	2.6 - 3																			
	4																			
	5																			
	3 - 2.5							-	-	-								-	-	-
	3																			
	4																			
	5																			
	6																			
	8																			
	10																			
	12																			
	4 - 3							-	-	-								-	-	-
	4																			
	5																			
	6																			
	8																			
	10																			
	12																			
	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	16																	-	-	-
	5 - 4																	-	-	-
	5																			
	6																			
	8																			
	10																			
	12																			
	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	16																	-	-	-
	20																			
	6 - 5																	-	-	-
	6																			
	8																			
	10																			
	12																			
	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	16																	-	-	-
	20																			
	25																			
	8 - 6																	-	-	-
	8																			
	10																			
	12																			
	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	16																	-	-	-
	20																			
	25																			
	30																			
	10 - 12				-	-	-	-	-	-				-	-	-	-	-	-	-
	15				-	-	-	-	-	-				-	-	-	-	-	-	-
	20				-	-	-	-	-	-				-	-	-	-	-	-	-
	25				-	-	-	-	-	-				-	-	-	-	-	-	-
	30				-	-	-	-	-	-				-	-	-	-	-	-	-
	12 - 15				-	-	-	-	-	-				-	-	-	-	-	-	-
	20				-	-	-	-	-	-				-	-	-	-	-	-	-
	25				-	-	-	-	-	-				-	-	-	-	-	-	-
	30				-	-	-	-	-	-				-	-	-	-	-	-	-

Ordering Example — Part Number: MSSF5 -10

Hex Socket Set Screws / Hex Socket Cap Screws / Crush Pads

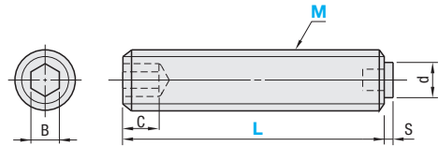
Soft Tips / Head Cap Screws

Hex Socket Set Screws Soft Tips



RoHS

Type	Thread's Material	Surface Treatment	Pad Material
SBPP	SCM435	Black Oxide	Polyacetal (White)
SBCP			Free-cutting Brass (C3604BD)
SBCT			Urethane (Shore A70, Black)
SBPPS	SUS304 Equivalent	-	Polyacetal (White)
SBCPS			Free-cutting Brass (C3604BD)
SBCTS			Urethane (Shore A70, Black)



Part Number Type	M (Coarse)	L (Dimensions in ( ) are only applicable to SBPP and SBCP.)	S	d	B	C (Min.)
SBPP SBCP	3	5 6 8 10 12 16 20	0.5	1.5	1.5	2.0
SBPPS SBCPS	4	6 8 10 12 16 20	1	2	2	2.5
SBPP SBCP	5	8 10 12 16 20 25	1	3	2.5	3.0
SBPPS SBCPS	6	8 10 12 16 20 25 30 40 50	1	4	3	3.5
	8	10 12 16 20 25 30 40 50 (60)	2	6	4	5.0
SBCT SBCTS	10	12 16 20 25 30 40 50 (60) (80)	2	8	5	6.0
	12	16 20 25 30 40 50 (60) (80) (100)	2	10	6	8.0

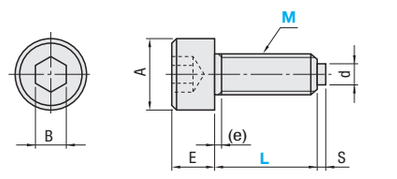
M (Coarse)	Unit Price SBPP	SBCP	SBCT	SBPPS	SBCPS	SBCTS
3			-			-
4			-			-
5						
6						
8						
10						
12						

Ordering Example — Part Number: SBPP10 - 50

Hex Socket Set Screws Head Cap Screws

RoHS

Type	Material Thread	Surface Treatment	Material Pad
CBPP	SCM435	Black Oxide	Polyacetal (White)
CBCP			Free-cutting Brass (C3604BD)
CBPPS	SUS304 Equivalent	-	Polyacetal (White)
CBCPS			Free-cutting Brass (C3604BD)



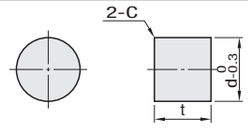
Part Number Type	M (Coarse)	L	A	E	S	d	B	(e)	CBPP Unit Price 1 ~ 99 pc(s).	CBPP Volume Discount Rate 100 ~ 500 pcs.	CBCP Unit Price 1 ~ 99 pc(s).	CBCP Volume Discount Rate 100 ~ 500 pcs.	CBPPS Unit Price 1 ~ 99 pc(s).	CBPPS Volume Discount Rate 100 ~ 500 pcs.	CBCPS Unit Price 1 ~ 99 pc(s).	CBCPS Volume Discount Rate 100 ~ 500 pcs.
CBPP (Plastic Pad) CBPPS	3	10 15 20	5.5	3	0.5	1.5	2.5	0.5								
	4	10 15 20	7	4	1	2	3	0.6								
CBCP (Brass Pad) CBCPS	5	15 20 30	8.5	5	1	3	4	0.6								
	6	15 20 30	10	6	1	4	5	0.7								
	8	20 30 40	13	8	2	6	6	1.0								

Crush Pads

50 pcs. per Pkg.

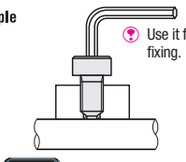
RoHS

SEPN
SEPNS (Thin)
(50 pcs. per Pkg.)
PACK-SEPN
PACK-SEPNS



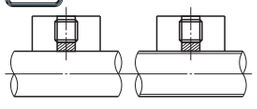
M Material: C3604BD

Example



Use it for shaft fixing.

Example



Use this set piece to prevent set screw from damaging the mating material.

Part Number Type	Applicable M	d	t SEPN	t SEPNS	C	Unit Price 1 to 100 (Single item) SEPN, SEPNS	PACK-SEPN, PACK-SEPNS Unit Price 1 ~ 3 pkg(s).	PACK-SEPN, PACK-SEPNS Volume Discount Rate 4 ~ 100 pkgs.
SEPN	*3	2.2	2.0	0.5	*0.2			
SEPNS	*4	3.0	2.5					
PACK-SEPN (50 pcs. per Pkg.)	*5	3.9	3.0	1.0				
	*6	4.7	3.5					
	8	6.4	4.5	-				
PACK-SEPNS (50 pcs. per Pkg.)	10	8.2	5.5	-	0.3			
	12	9.9	6.5	-				

* SEPNS is available only in M3 through M6. * For SEPNS, C<0.1 * PACK-SEPNS is available only in M3 through M6.
When placing an order for PACK-SEPN or PACK-SEPNS, please specify number of packages. 1 package to be delivered includes 50 pieces.

Ordering Example — Part Number: CBPP3-10, SEPN5, PACK-SEPN4

Configurable Length Screws with Hex Sockets

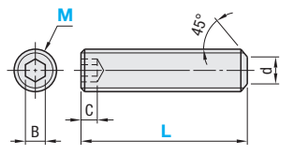
Tip Shape Selectable

■Configurable Length Screws with Hex Sockets
Tip Shape Selectable

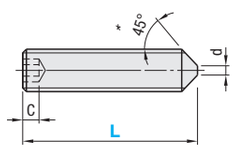
RoHS

Type	M Material	S Surface Treatment	Pad
FSSF FSST FSSC FSSG	S45C	Black Oxide	-
FSSM	SCM435	Black Oxide Coating	White Polyacetal
FSSU			Free-cutting Brass (C3604BD)
FSSFS FSSTS FSSGS	SUS304 Equivalent	-	-
FSSMS			White Polyacetal
FSSUS			Free-cutting Brass (C3604BD)

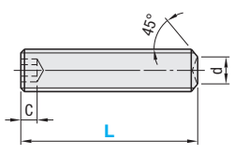
FSSF (Flat End)
FSSFS (Flat End, Stainless Steel)



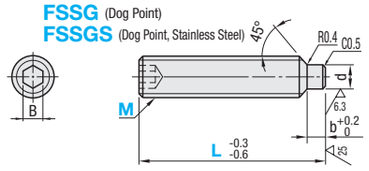
FSST (Cone Point)
FSSTS (Cone Point, Stainless Steel)



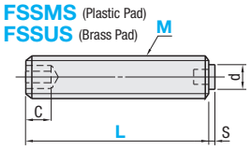
FSSC (Cup Point)



FSSG (Dog Point)
FSSGS (Dog Point, Stainless Steel)



FSSM (Plastic Pad)
FSSU (Brass Pad)
FSSMS (Plastic Pad)
FSSUS (Brass Pad)



* FSST / FSSTS (Cone Point) M=L size is 60°.

Part Number Type	M	L 1mm Increment	B	C (Min.)	d (Max.) Flat End	Cone Point	Cup Point	Dog Point	with Plastic / Brass Pad	S (with Plastic / Brass Pad)	b (Dog Point)
FSSF (Flat End)	5	20~250	2.5	3	3.5	1.25	2.5	4	3	1	4
FSSFS (Flat End, Stainless Steel)	6		3.0	3.5	4.0	1.5	3	4	4	1	4
FSST (Cone Point)	8	20~400	4.0	5	5.5	2.0	5	6	5	2	5
FSSTS (Cone Point, Stainless Steel)	10		5.0	6	7	2.5	6	8	6	2	6
FSSC (Cup Point)	12		6.0	8	8.5	3	8	8	8	2	7
FSSG (Dog Point)	16		8.0	10	12	4	10	10	10	3	9
FSSGS (Dog Point, Stainless Steel)	20		10.0	12	15	5	14	12	13	3	11
FSSM FSSMS (Plastic Pad)											
FSSU FSSUS (Brass Pad)											

Ordering Example: Part Number - L
FSSTS6 - 100

M	L	Unit Price FSSF	FSST	FSSC	FSSG	FSSM	FSSU	FSSFS	FSSTS	FSSGS	FSSMS	FSSUS
5	20~100											
	101~200											
	201~250											
6	20~100											
	101~200											
	201~250											
8	20~100											
	101~200											
	201~400											
10	20~100											
	101~200											
	201~400											
12	20~100											
	101~200											
	201~400											
16	20~100											
	101~200											
	201~400											
20	20~100											
	101~200											
	201~400											

Alterations: Part Number - L - (SKH)
FSST6 - 100 - SKH

Alteration Code	Tip Induction Hardened SKH
Spec.	Induction hardening at 2 ~ 3mm away from the tip. Hardness: 40 ~ 45HRC Ordering Code SKH Applicable only to FSSF, FSST and FSSG.

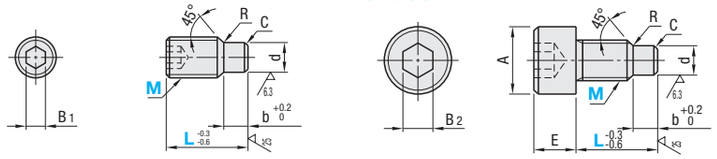
Hexagon Socket Screws - Dog Point

Hex Socket Set Screws / Hex Socket Head Cap Screws Standard and Configurable

■Hexagon Socket Screws
- Dog Point

RoHS

MSSG (Hex Socket Set Screws)
CBBG (Hex Socket Head Cap Screws)
CBBGS (Hex Socket Head Cap Screws, Stainless Steel)



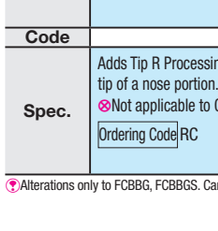
Surface Finish: 25 / 6.3

- These differ from JIS dog point set screws in dimension of nose portion.
- Use for rough locking of shafts, etc. where continuous load is not imparted to the nose portion.

Type	M Material	H Hardness	S Surface Treatment
MSSG	SCM435	45HRC~	Black Oxide
CBBG		38~43HRC	
CBBGS	SUS304 Equivalent	-	-

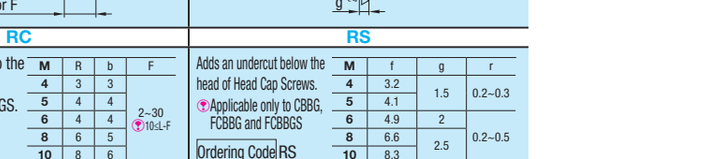
Part Number Type	M (Coarse)	L	B_1	B_2	A	E	d Reference Dim.	d Tolerance	b	C	R	Unit Price MSSG	CBBG	CBBGS
MSSG CBBG CBBGS	4	12 16 20 25 30	2	3	7	4	3	-0.1 -0.2	3	0.3	0.5			
	5	12 16 20 25 30	2.5	4	8.5	5	4		4					
	6	12 16 20 25 30 35 40	3	5	10	6								
	8	16 20 25 30 35 40 45	4	6	13	8	6	-0.1 -0.3	5	0.5				
	10	20 25 30 35 40 45 50	5	8	16	10	8		6		1			

■Hexagon Socket Screws
- Dog Point Configurable



RoHS

FMSSG (Hex Socket Set Screws)
FMSSGS (Hex Socket Set Screws, Stainless Steel)
FCBBG (Hex Socket Head Cap Screws)
FCBBGS (Hex Socket Head Cap Screws, Stainless Steel)



Surface Finish: 25 / 6.3

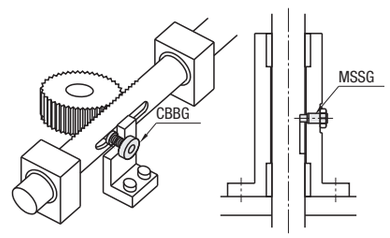
- Use for rough locking of shafts, etc. where continuous load is not imparted to the nose portion.

Type	M Material	H Hardness	S Surface Treatment
FMSSG	SCM435	45HRC~	Black Oxide
FCBBG		38~43HRC	
FMSSG FCBBGS	SUS304 Equivalent	-	-

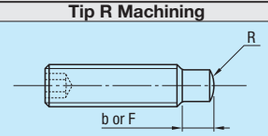
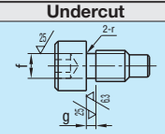
Part Number Type	M (Coarse)	L 1mm Increment FMSSG, FMSSGS	FCBBG, FCBBGS	F 1mm Increment	B_1	B_2	A	E	d Reference Dim.	d Tolerance	C	R	Unit Price FMSSG	FMSSGS	FCBBG	FCBBGS
FMSSG FMSSGS FCBBG FCBBGS	4	-	12~25	2~30 10≤L-F	-	3	7	4	3	-0.1 -0.2	0.3	0.5	-	-		
	5	12~25	12~25		2.5	4	8.5	5	4							
		26~50	26~50													
	6	12~40	12~30		3	5	10	6								
		41~80	31~70													
	8	12~50	12~35		4	6	13	8	6	-0.1 -0.3	0.5					
		51~100	36~75													
	10	12~50	12~40		5	8	16	10	8			1				
		51~100	41~75													

Ordering Example: Part Number - L - F
MSSG5 - 16
FMSSG6 - 50 - 20

Example



Alterations: Part Number - L - (RC, RS)
CBBG8 - 20 - RS

Alterations	Tip R Machining	Undercut
		
Code	RC	RS
Spec.	Adds Tip R Processing to the tip of a nose portion. Not applicable to CBBGS. Ordering Code RC	Adds an undercut below the head of Head Cap Screws. Applicable only to CBBG, FCBBG and FCBBGS Ordering Code RS

M	R	b	F
4	3	3	2~30 10≤L-F
5	4	4	
6	4	4	
8	6	5	
10	8	6	

M	f	g	r
4	3.2	1.5	0.2~0.3
5	4.1		
6	4.9	2	0.2~0.5
8	6.6	2.5	
10	8.3		

Alterations only to FCBBG, FCBBGS. Can be used in combination with RC and RS.