Configurable Length Screws

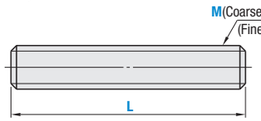
Configurable Length

Screws – Configurable Length

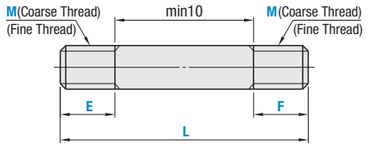
RoHS 10

Type					Material	Surface Treatment
Fully Threaded Screws			Both Ends Right-Hand Screws			
Thread Gauge Class 2 Used		Class 3	Thread Gauge Class 2 Used			
Coarse	Fine	Coarse	Coarse	Fine		
FAB	FABP	FABM	FWB	FWBP	1045 Carbon Steel or Equivalent	Black Oxide
FABN	—	—	FWBN	—		Electroless Nickel Plating
FABS	FABSP	FABMS	FWBS	FWBSP	304 Stainless Steel or Equivalent	—

Fully Threaded Screws



Both Ends Right-Hand Screws



M	Thread Pitch	
	Coarse	Fine
3	0.5	—
4	0.7	—
5	0.8	0.5
6	1	0.75
8	1.25	1
10	1.5	1.25
12	1.75	1.25
16	2	1.5
20	2.5	1.5
24	3	—
30	3.5	

Studs – Fully Threaded

Part Number Type	M	L 1 mm Increment	Available Types FAB L20–100	FAB L101–200	FAB L201–400	FAB L401–600	FAB L601–800	FABN L20–100	FABN L101–200	FABN L201–400	FABN L401–600	FABS L20–100	FABS L101–200	FABS L201–400	FABS L401–600	FABS L601–800
Class 2, Coarse FAB FABN FABS	3	20–150	•	•	—	—	—	—	—	—	—	•	•	—	—	—
	4	20–150	•	•	—	—	—	—	—	—	—	•	•	—	—	—
	5	20–250	•	•	•	—	—	—	—	—	—	•	•	•	—	—
	6		•	•	•	—	—	—	—	—	—	•	•	•	—	—
	8	20–600	•	•	•	•	—	—	—	—	—	•	•	•	•	—
	10		•	•	•	•	—	—	—	—	—	•	•	•	•	—
	12	20–800	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	16		•	•	•	•	•	•	•	•	•	•	•	•	•	•
	20		•	•	•	•	•	•	•	•	•	•	•	•	•	•

Part Number Type	M	L 1 mm Increment	Available Types FABM L20–100	FABM L101–200	FABM L201–400	FABM L401–600	FABM L601–800	FABMS L20–100	FABMS L101–200	FABMS L201–400	FABMS L401–600	FABMS L601–800	FABP L20–100	FABP L101–200	FABP L201–400	FABP L401–600	FABS L20–100	FABS L101–200	FABS L201–400	FABS L401–600
Class 3, Coarse FABM FABMS Class 2, Fine FABP FABSP	4	20–150	•	•	—	—	—	•	•	—	—	—	—	—	—	—	—	—	—	—
	5	20–250	•	•	•	—	—	•	•	•	—	—	•	•	•	—	•	•	•	—
	6		•	•	•	—	—	•	•	•	—	—	•	•	•	—	•	•	•	—
	8	20–600 (400)	•	•	•	•	—	•	•	•	•	—	•	•	•	—	•	•	•	—
	10		•	•	•	•	—	•	•	•	•	—	•	•	•	—	•	•	•	—
	12	20–800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	16		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	20		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Both Ends Right-Hand Screws

Part Number Type	M	1 mm Increment L	E	F	Available Types FWB L20–100	FWB L101–200	FWB L201–400	FWB L401–600	FWB L601–800	FAWBN L20–100	FAWBN L101–200	FAWBN L201–400	FAWBN L401–600	FAWBN L601–800	FWBS L20–100	FWBS L101–200	FWBS L201–400	FWBS L401–600	FWBS L601–800
Class 2, Coarse FWB FWBN FWBS	3	20–100	5–15	0–15	•	•	—	—	—	•	•	—	—	—	•	•	—	—	—
	4	20–150			•	•	•	—	—	•	•	•	—	—	•	•	•	—	—
	5	20–250			•	•	•	—	—	•	•	•	—	—	•	•	•	—	—
	6				•	•	•	•	—	•	•	•	•	—	•	•	•	•	—
	8	20–600			•	•	•	•	—	•	•	•	•	—	•	•	•	•	—
	10		5–100	0–100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	12	20–800			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	16				•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	20				•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	24				•	•	•	•	•	—	—	—	—	—	•	•	•	•	•
	30				•	•	•	•	•	—	—	—	—	—	•	•	•	•	•

! E≤Mx5 F=0 or M/2≤F≤M×5 When F=0, threads are not machined on the F dimension side.

Part Number Type	M	1 mm Increment L	E	F	Available Types FWB L20–100	FWB L101–200	FWB L201–400	FWB L401–600	FWB L601–800	FWB L20–100	FWB L101–200	FWB L201–400	FWB L401–600	FWB L601–800
Class 2, Fine FWBP FWBSP	5	20–250	5–100	0–100	•	•	•	—	—	•	•	•	—	—
	6				•	•	•	—	—	•	•	•	—	—
	8	20–600			•	•	•	•	—	•	•	•	•	—
	10				•	•	•	•	—	•	•	•	•	—
	12	20–800			•	•	•	•	•	•	•	•	•	•
	16				•	•	•	•	•	•	•	•	•	•
	20				•	•	•	•	•	•	•	•	•	•

! E≤Mx5 F=0 or M/2≤F≤M×5 When F=0, threads are not machined on the F dimension side.

Part Number Example

Part Number - L - E - F

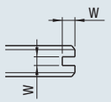
FAB6 - 100

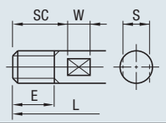
FWBS6 - 100 - E10 - F10

Part Number Alterations

Part Number - L - E - F - (SWC / SC)

FAB10 - 200 - SWC

Alterations	Code	Spec.
Slit 	SWC	W dimensions are as follows. M: 4, 5 / 6, 8 / 10 / 12, 16 / 20; W: 1 / 1.5 / 2 / 2.5 / 3. ! Applicable to FAB / FABN / FABS / FABP / FABSP / FABM / FABMS ⊗ Not applicable to M3.

Alterations	Code	Spec.
2-Flats Machined 	SC	SC=1 mm Increment. M: 4 / 5 / 6 / 8 / 10 / 12 / 16 / 20 / 24 / 30; W: 3.5 / 4 / 4.5 / 5 / 6 / 8 / 10; S: 3 / 4 / 5 / 6 / 8 / 10 / 12 / 14 / 16 / 18 / 20 / 21 / 27. **Ordering Code:** SC12 ! 0≤SC≤L–W ⊗ Not applicable to M3.

MiSUMi

Fully Threaded Studs with Measurement Markings / Flanged Brackets

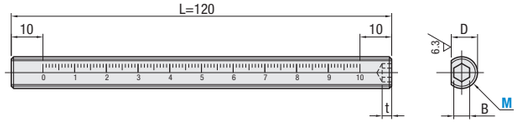
Fully Threaded Studs / Round Flange / Square Flange / Compact Flange

Fully Threaded Studs with Measurement Markings

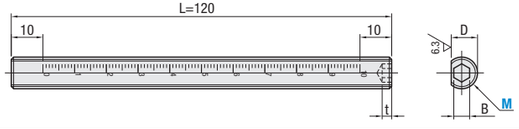
RoHS 10

Type	Material	Surface Treatment
ASSB	4137 Alloy Steel	Black Oxide
ASSS	304 Stainless Steel	—

Direction of Scale Display Y (Horizontal)



Direction of Scale Display T (Vertical)



*Use as measuring tool for adjustment of machines and equipment.

Part Number Type	Part Number Direction of Scale Display	M (Coarse)	L	B	D	t
ASSB ASSS	Y Horizontal T Vertical	8	120	4	6.6	5
		10		5	8.3	6
		12		6	10	8
		16		8	14	10

Part Number Example

Part Number: Type - Direction of Scale Display - M

ASSS - T - 8

Flange Brackets

Round Flange

Square Flange

Compact Flange

RoHS 10

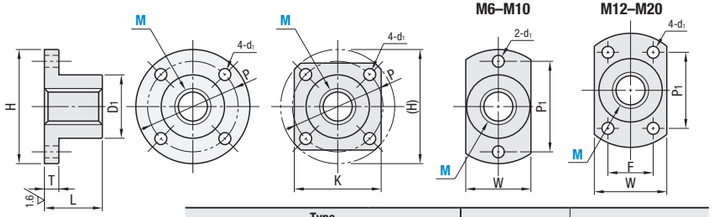
Round Flange: BRBR MRBR SRBR

Square Flange: BRBS MRBS SRBS

Compact Flange: BRBC MRBC SRBC

6.3 / 1.6

M6–M10 / M12–M20



Type Round Flange	Square Flange	Compact Flange	Material	Surface Treatment
BRBR	BRBS	BRBC	1018 Carbon Steel	Black Oxide
MRBR	MRBS	MRBC		Electroless Nickel Plating
SRBR	SRBS	SRBC	304 Stainless Steel	—

Part Number Type		M	M x Pitch	L	D_1	H	T	P	K	W	P_1	F	d_1
Round Flange	BRBR	6	6 x 1.0	12	12	28	4	20	22	12	20	—	3.5
	MRBR	8	8 x 1.25	14	15	32	5	25	25	15	25		4.5
	SRBR	10	10 x 1.5	18	20	38		30	30	20	30		
		10A	10 x 1.25										
Square Flange	BRBS	12	12 x 1.75	20	22	40	6	32	32	25	28	16	
	MRBS	14A	14 x 1.5	22	26	50		40	39	32	33	22	5.5
	SRBS	16	16 x 2.0	26	28								
Compact Flange	BRBC	18A	18 x 1.5	30	32	63	8	50	48	40	42	25	6.6
	MRBC	20	20 x 2.5	32	35								
	SRBC												

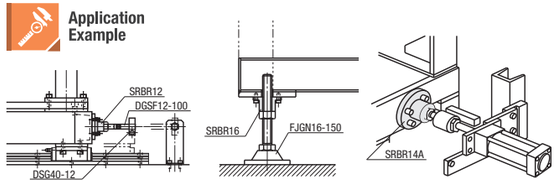
! Thread pitches 10A, 14A and 18A are fine.

Part Number Example

Part Number

SRBR10

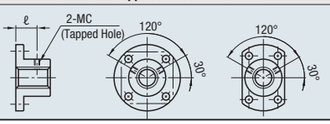
Application Example



Part Number Alterations

Part Number - (MC)

SRBR16 - MC

Alteration	Additional Tapped Holes for Set Screws 
Code	MC
Spec.	Adds two tapped holes for set screws. **Ordering Code:** MC

M	MC	l
6	M3	9
8		10
10		13
10A		

M	MC	l
12	M4	14
14A		15
16	M5	16
18A		20
20		