

Configurable Length Screws

Configurable Length

RoHS10

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	1045 Carbon Steel or Equivalent	Black Oxide
FAB	FABP	FABM	FWB	FWBP		Electroless Nickel Plating
FABN	—	—	FWBN	—	304 Stainless Steel or Equivalent	—
FABS	FABSP	FABMS	FWBS	FWBSP		

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

Studs – Fully Threaded

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

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

Both Ends Right-Hand Screws

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

⚠ E≤Mx5 F≤Mx5 When F=0, threads are not machined on the F dimension side.

Part Number		1 mm Increment			Available Types									
Type	M	L	E	F	FWB					FWB				
					L20-100	L101-200	L201-400	L401-600	L601-800	L20-100	L101-200	L201-400	L401-600	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≤Mx5 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. <table><tr><th>M</th><th>W</th></tr><tr><td>4, 5</td><td>1</td></tr><tr><td>6, 8</td><td>1.5</td></tr><tr><td>10</td><td>2</td></tr><tr><td>12, 16</td><td>2.5</td></tr><tr><td>20</td><td>3</td></tr></table> Ⓜ Applicable to FAB / FABN / FABS / FABP / FABSP / FABM / FABMS Ⓜ Not applicable to M3.	M	W	4, 5	1	6, 8	1.5	10	2	12, 16	2.5	20	3
M	W													
4, 5	1													
6, 8	1.5													
10	2													
12, 16	2.5													
20	3													

Alterations	Code	Spec.																		
2-Flats Machined	SC	SC=1 mm Increment <table><tr><th>M</th><th>W</th><th>S</th></tr><tr><td>4</td><td>3</td><td>12</td></tr><tr><td>5</td><td>3.5</td><td>16</td></tr><tr><td>6</td><td>5</td><td>20</td></tr><tr><td>8</td><td>4</td><td>24</td></tr><tr><td>10</td><td>4.5</td><td>30</td></tr></table> Ordering Code: SC12 ⚠ 0≤SC≤L-W ⚠ Not applicable to M3.	M	W	S	4	3	12	5	3.5	16	6	5	20	8	4	24	10	4.5	30
M	W	S																		
4	3	12																		
5	3.5	16																		
6	5	20																		
8	4	24																		
10	4.5	30																		

Fully Threaded Studs with Measurement Markings / Flanged Brackets

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

RoHS10

Fully Threaded Studs with Measurement Markings

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

Part Number Example

Part Number

Type - Direction of Scale Display

ASSS - T - 8

Flange Brackets

RoHS10

Round Flange

Square Flange

Compact Flange

Round Flange
BRBR
MRBR
SRBR

Square Flange
BRBS
MRBS
SRBS

Compact Flange
BRBC
MRBC
SRBC

Type	Material	Surface Treatment
Round Flange	1018 Carbon Steel	Black Oxide
Square Flange	1018 Carbon Steel	Electroless Nickel Plating
Compact Flange	304 Stainless Steel	—

Part Number		M	M x Pitch	L	D ₁	H	T	P	K	W	P ₁	F	d ₁
Type	Type												
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	6	30	30	20	30	—	5.5
Square Flange	BRBS	10A	10 x 1.25	18	20	38	5	30	30	20	30	—	4.5
	MRBS	12	12 x 1.75	20	22	40	6	32	32	25	28	16	5.5
	SRBS	14A	14 x 1.5	22	26	50	6	40	39	32	33	22	5.5
Compact Flange	BRBC	16	16 x 2.0	26	28	50	8	50	48	40	42	25	6.6
	MRBC	18A	18 x 1.5	30	32	63	8	50	48	40	42	25	6.6
	SRBC	20	20 x 2.5	32	35	63	8	50	48	40	42	25	6.6

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

Part Number Example

Part Number

SRBR10

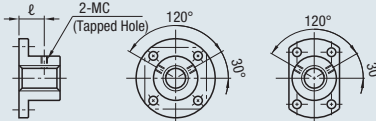
Application Example

Part Number Alterations

Part Number

- (MC)

SRBR16 - MC

Alteration	Additional Tapped Holes for Set Screws																															
																																
Code	MC																															
Spec.	<table><tr><th>M</th><th>MC</th><th>I</th><th>M</th><th>MC</th><th>I</th></tr><tr><td>6</td><td rowspan="3">M3</td><td>9</td><td>12</td><td rowspan="3">M4</td><td>14</td></tr><tr><td>8</td><td>10</td><td>14A</td><td>15</td></tr><tr><td>10</td><td>13</td><td>16</td><td>16</td></tr><tr><td>10A</td><td></td><td></td><td>18A</td><td rowspan="2">M5</td><td>20</td></tr><tr><td></td><td></td><td></td><td>20</td><td>20</td></tr></table> Adds two tapped holes for set screws. Ordering Code: MC	M	MC	I	M	MC	I	6	M3	9	12	M4	14	8	10	14A	15	10	13	16	16	10A			18A	M5	20				20	20
M	MC	I	M	MC	I																											
6	M3	9	12	M4	14																											
8		10	14A		15																											
10		13	16		16																											
10A			18A	M5	20																											
			20		20																											