

# Gussets

## Tapped, Hole Position Fixed

■ Features: Screw fastening type from the mating material to which the ribs are attached.

RoHS10

Type	Material	Surface Treatment
Standard Grade (Perpendicularity: 0.05/100)		
RBBS	Steel for General Structure	Black Oxide
RBBB	Steel for General Structure	Electroless Nickel Plating
RBBM	Aluminum Alloy	Clear Anodize
RBBA	Aluminum Alloy	Black Anodize
RBBW	Aluminum Alloy	Black Anodize
RBBV	Aluminum Alloy	Black Anodize
RBBF	SUS304	-

### Details Listed in Dimensional Section

When A=20 or 30

A	a1
20	12.5
30	20

When A=40

A	a1	a2
40	10	20
60	15	30
80	20	40
100	25	50
150	37.5	75

When A=50 ~ 150

A	a1	a2
50	12.5	25
60	15	30
80	20	40
100	25	50
150	37.5	75

Part Number Type	A	B Selection						T Selection		
		30	40	50	60	80	100	SS400, SUS304	A5052	
Standard Grade (Perpendicularity: 0.05/100) (SS400) RBBS RBBB RBBM (A5052) RBBA RBBW (SUS304) RBBV RBBF	20							6	6	
	30	40	50	60	80	100	9	12		
	40	40	50	60	80	100	9	12		
	50	50	60	80	100	150	200	12	16	
	60	60	80	100	150	200	250	300	12	16
	80	80	100	150	200	250	300	12	16	
	100	100	150	200	250	300	12	16		
	150	150	200	250	300	12	16	12	16	

⊗ Precision Grade is not specifiable for B200 or more.

Ordering Example: Part Number - B - T  
RBBS50 - 100 - 9

Alterations: Part Number - B - T - (NL)  
RBBS80 - 100 - 12 - NL

Alteration	Code	Spec.
	NL	1 tapped hole at the center of side A. Ordering Code: NL ⊗ Not applicable when A=20 or 30.

Calculation Example of Unit Price RBBS50-100-9  
A+B=A Dimension + B Dimension =50+100=150

Calculation Example of Precision Grade RBBS50-100-9

A+B	Standard Grade Tolerance Unit Price (Tolerance Precision Type: Price in the Table x1.1)														
	SS400						A5052						SUS304		
	RBBS		RBBB		RBBM		RBBA		RBBW		RBBV		RBBF		
	T=6,9	T=12	T=16	T=6,9	T=12	T=16	T=6,9	T=12	T=16	T=6,10	T=12	T=16	T=6,9	T=12	T=16
50															
60															
70															
80															
90															
100															
110															
120															
130															
140															
150															
160															
180															
200															
210															
230															
240															
250															
260															
280															
300															
310															
330															
350															
360															
380															
400															
450															

# Gussets

## Tapped, Hole Position Configurable

■ Features: When the mounting hole pitch does not match with the fixed dimension on the left-hand page, the following standard is available.

RoHS10

Type	Material	Surface Treatment
Standard Grade (Perpendicularity: 0.05/100)		
RBPBS	Steel for General Structure	Black Oxide
RBPBB	Steel for General Structure	Electroless Nickel Plating
RBPBM	Aluminum Alloy	Clear Anodize
RBPBA	Aluminum Alloy	Clear Anodize
RBPBW	Aluminum Alloy	Clear Anodize

■ When A=30

■ When A=40 ~ 100

⊗ When A=30, side A has one mounting hole. ⊗ Depending on the specified dimension, pilot hole for tapping may go through to the reverse side.

Part Number Type	A	B Selection				1mm Increment				M (Coarse)		T Selection			
		30	40	50	60	80	Side A Hole Pitch X	Side B Hole Pitch Y	Side A Hole Pitch F	Side B Hole Pitch G	SS400	A5052			
Standard Grade (SS400) RBPBS RBPBB RBPBM (A5052) RBPBA RBPBW	30	30	40	50	60	80	X>Mx2 *1	Y≥Mx2 *1	F≥Mx2 and X+F≥A-6 *3	G≥Mx2 and Y+G≥B-6 *3	4	5	6	9	10
	40	40	50	60	80	100					5	6	12	12	
	50	50	60	80	100	4					5	6	9	10	
	60	60	80	100	4	5					6	9	10		
	80	80	100	150	4	5					6	12	12		
	100	100	150	4	5	6					8	12	12		
	150	150	4	5	6	8					9	10	12		

\*1 The X dimension (1st tapped hole) is distanced twice or more that of M (thread diameter) from edge surface in order to prevent interference.

\*2 When A=30, side A has 1 mounting hole and specification of F dimension is not required.

\*3 Set apart the second tapped hole twice or more of M (thread diameter) from the first and 6mm or more from the edge surface.

\*4 When 0 is specified for F and G dimensions, 1 mounting hole is available.

Ordering Example: Part Number - B - X - F - Y - G - M - T  
RBPBS30 - 60 - X20 - Y20 - G20 - M6 - T9  
RBPBW60 - 100 - X20 - F20 - Y25 - G50 - M6 - T12

Calculation Example of Unit Price  
RBPBS30-60-X20-Y20-G20-M6-T9  
A+B= A Dimension + B Dimension =30+60=90

A+B	Unit Price									
	RBPBS		SS400 RBPBB		RBPBM		A5052 RBPBA		RBPBW	
	T=9	T=12	T=9	T=12	T=9	T=12	T=10	T=12	T=10	T=12
60										
70										
80										
90										
100										
110										
120										
130										
140										
150										
160										
180										
200										
230										
250										

