

Gussets

Reduced Weight Type

Gussets – Reduced Weight Type

RoHS 10

Type	Material	Surface Treatment
RACM	General Structural Steel	Electroless Nickel Plating
RACA	Aluminum Alloy	—
RACW		Clear Anodize
RACV		Black Anodize

When A=30

When A=40 or more

25/(6.3/√)

⊙ When A=30 or 50, side A has one tapped hole. ⊙ Some portion of tapped hole may go through.

Part Number	Type	A	B	T		Side A Pitch		Side B Pitch		Removed Material		Weight (g: Reference Value)					
				1018 Carbon Steel or Equivalent	5052 Aluminum Alloy	a ₁	a ₂	b ₁	b ₂	(W)	R	1018 Carbon Steel	5052 Aluminum Alloy				
1018 Carbon Steel or Equivalent RACM	30	30	6	6	3	20	—	10	*10	6	4	27.5	9.8				
			12	12	6				20			55.0	19.6				
		40	9	10	5			15	30			49.4	20.1				
		12	12	6	20							67.5	24.1				
		50	9	10	5			50	50			58.5	23.9				
		12	12	6	50							80.3	28.7				
	60	9	10	5	60	60	68.4	28.0									
	12	12	6	60			94.0	33.6									
	80	9	10	5	80	80	88.1	36.2									
	12	12	6	80			121.4	43.4									
	5052 Aluminum Alloy RACA RACW RACV	40	40	9	10	5	10	20	15	15	8	4	67.7	27.3			
				12	12	6				15			91.8	32.8			
			50	9	10	5			15	20			78.4	31.8			
			12	12	6	15							106.9	38.2			
			60	9	10	5			20	30			89.5	36.5			
			12	12	6	20							122.6	43.8			
		80	9	10	5	25	40	112.5	46.1								
		12	12	6	25			154.7	55.3								
		100	9	10	5	25	50	135.7	55.8								
		12	12	6	25			187.2	67.0								
		5052 Aluminum Alloy RACA RACW RACV	50	50	9	10	5	12.5	25	12.5	25	10	4	101.4	40.8		
					12	12	6				15			113.6	46.0		
	60			9	10	5	20			40	139.8			57.1			
	12			12	6	20					191.6			68.5			
80	9			10	5	25	50			166.7	68.4						
12	12			8	25					229.4	82.0						
100	9		10	5	25	50	125.8	51.4									
12	12		6	25			172.5	61.7									
5052 Aluminum Alloy RACA RACW RACV	60		60	9	10	5	15	30	15	30	10	4	150.7	62.3			
				12	12	6				20			208.8	74.8			
			80	9	10	5			25	50			176.2	73.4			
	12		12	8	25	245.8							88.1				
	80	80	9	10	5	20			40	20			40	12	5	202.3	83.2
			12	12	6								25			279.0	99.8
150		9	10	5	37.5		75	231.6		96.3							
12	12	8	37.5	322.5				115.6									
100	100	9	10	5	25		50	25		50	15	6	307.3			129.9	
		12	12	8						30			434.0			155.9	
	150	9	10	5		37.5		75	309.7	127.1							
12	12	8	37.5	426.3					152.5								
100	150	9	10	5		25		50	37.5	75			15	6	398.2	166.8	
		12	12	8						37.5					557.7	200.1	

⊙ Some tapped holes may go through. The Manufacturing tolerance of * is ^{+0.2}/₀. Other dimensions are general tolerance (JISB0405).

Part Number Example: **RACM40 - 60 - 9**

Gussets

Bridge Type

Gussets – Bridge Type

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Type	Material	Surface Treatment
Counterbored	General Structural Steel	—
RBUS		Black Oxide
RBUB		Electroless Nickel Plating
RBUM	Aluminum Alloy	—
RBUA		Clear Anodize
RBUB		Black Anodize
RBUV	304 Stainless Steel	—
RBUF		—

Counterbored

Tapped

√(6.3/)

Part Number	Type	A	B	a ₁	b ₁	(a ₂)	(b ₂)	c ₁	c ₂	W	
											1018 Carbon Steel or Equivalent
Counterbored 1018 Carbon Steel or Equivalent RBUS RBUB RBUM	Tapped Hole	50	50	40	40	26.1	26.1	5	5	19	
			80	60	29.5	48.4	10	10			
			100	80	30.3	62.6	5				
	5052 Aluminum Alloy RBUA RBUB RBUV RBUF	5052 Aluminum Alloy RBJU	80	80	65	65	51.8	51.8	10	10	22
				100	80	54.2	68.3	10	10		
				150	85	71.8	71.8				
304 Stainless Steel RBUF	304 Stainless Steel	100	100	85	85	71.8	71.8	10	10	22	
			150	125	75.6	114.6					

Part Number Example: **RBUF100 - 150**

