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Welded Mounting Plates / Brackets

L Type



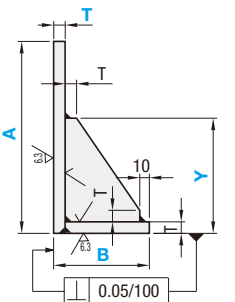
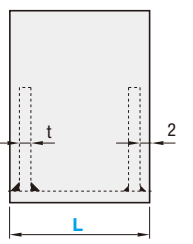
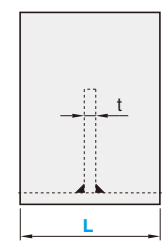
RoHS 10

Part Number		Material Symbol	Material	Surface Treatment
Type	Type			
Blank Type	2 Bottom Hole Type	SB	1018 Carbon Steel	Black Oxide
Single Gusset	Single Gusset	SBB		
WAS	WASBD	SBM	5052 Aluminum Alloy	Electroless Nickel Plating
	WASCD	AB		
	WASCF	ABW		
	WASMD	ABB		
Blank Type	Double Gussets	SUB	304 Stainless Steel	Anodize (Clear) Anodize (Black)
Double Gussets	Double Gussets			
WAW	WAWBG			
	WAWCG			
	WAWCP			
	WAWMG			

Shot Blasted

WAS (Single Gusset Type)

WAW (Double Gusset Type)



T Dim. Tolerance
Surface tolerances for A, B, L
dimensions per 100mm

Material	T Tolerance
1018 Carbon Steel	±0.5/100
5052 Aluminum Alloy	±0.65/100
304 Stainless Steel	±0.65/100

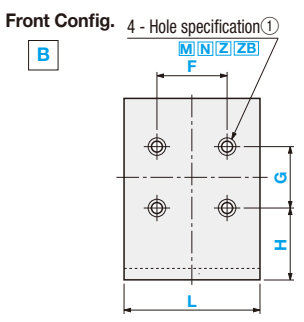
Gusset thickness will be as shown in below chart.

T	8, 10	14, 17	20
t	6	9 (10)	12

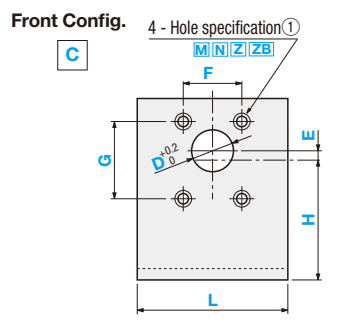
Both sides of Gusset thickness (t) is (✓)
t (10) is a thickness for 5052 Aluminum Alloy.

C0.2 to C0.5, unless otherwise specified.

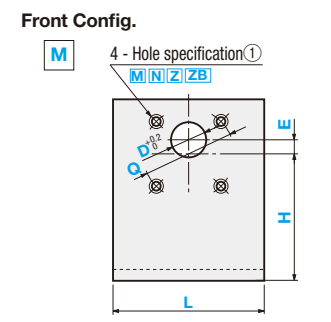
Mounting Type (Front Machining)



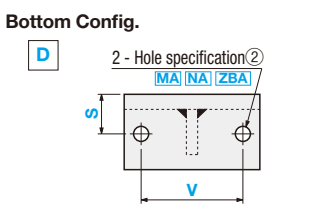
Cylinder Mounting Type (Front Machining)



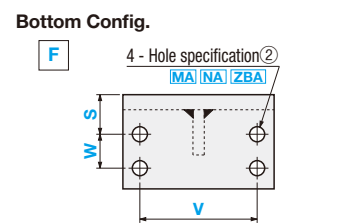
Motor Mounting Type (Front Machining)



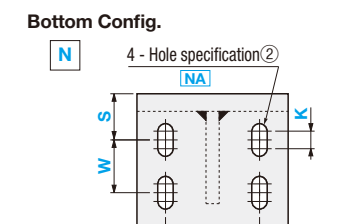
2 Bottom Holes (Single Gusset Type)



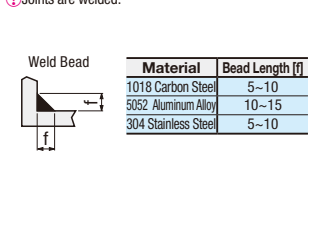
4 Bottom Holes (Single Gusset Type)



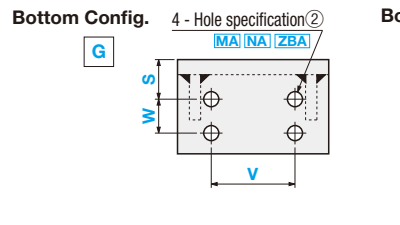
Slotted Bottom Holes (Single Gusset Type)



4 Bottom Holes (Double Gusset Type)



Slotted Bottom Holes (Double Gusset Type)



Note for weld bead and hole interferences
Joints are welded.

Material	Bead Length (f)
1018 Carbon Steel	5-10
5052 Aluminum Alloy	10-15
304 Stainless Steel	5-10

Type	Part Number		Material Symbol	T	External Dims. Specify 1mm Increment				H	F	G	E	Q	D	Hole Specification ①		V	S	Hole Specification ②		K
	Front Config.	Bottom Config.			A	B	L	Y							Code	Nominal Dia.			Code	Nominal Dia.	
Single Gusset WAS	Mounting Type B	Single Gusset (2 Hole Mounting Type)	SB	(8) 10 14 17	50-300	40-150	40-200	30-290 Y>Tx2 For A>150 Y≥A/2	Specify 0.1mm Increment	3-30 (0.5mm Increment) 31-100 (1mm Increment)	M N Z ZB	(No Hole) 3 4 5 6 8 10 12 16	Specify 0.1mm Increment	MA NA ZBA	(No Hole) 3 4 5 6 8 10 12	Specify 0.1mm Increment	K≤NAx5				
		Single Gusset (4 Hole Mounting Type) (Slotted Hole Mounting Type)																SBB SBM AB ABW ABB SUB	(8) Applies to 1018 Carbon Steel only		
Double Gussets WAW	Cylinder Mounting Type C	Double Gussets (4 Hole Mounting Type) (Slotted Hole Mounting Type)	SBB SBM AB ABW ABB SUB	(8) Applies to 1018 Carbon Steel only	50-300	40-150	40-200	30-290 Y>Tx2 For A>150 Y≥A/2	Specify 0.1mm Increment	3-30 (0.5mm Increment) 31-100 (1mm Increment)	M N Z ZB	(No Hole) 3 4 5 6 8 10 12 16	Specify 0.1mm Increment	MA NA ZBA	(No Hole) 3 4 5 6 8 10 12	Specify 0.1mm Increment	K≤NAx5				
		Motor Mounting Type M																			

For the machining dimensions, see Hole Type Selection Chart

Ordering Example

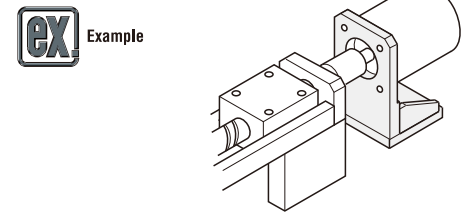
Part Number: WAS - SB - T10 - A150 - B60 - L80 - Y120 - H50 - F50 - G50 - D - N6 - V60 - S20 - NA6

[Type Selection Method]

- Select Gusset shape. (Single or Double)..... Example shown is with Single Gusset. WAS
- Select front hole shape. Example shows Mounting Type B
- Select Bottom mounting hole qty. or hole type. Example shows 2 mounting holes. D

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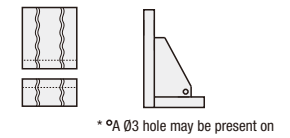
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Hole Type Selection Chart

Hole Type	Tapped Holes	Bolt Hole	Counterbored Holes	Counterbored Holes (Back)																											
Code	M, MA	NA, NA	Z	ZB, ZBA																											
Shape Diagram																															
Machining Specifications	Effective Tap Length Max. M, MAX2																														
			Screw Nominal Size																												
			<table border="1"> <thead> <tr> <th>Dimensions</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>8</th> <th>10</th> <th>12</th> <th>16</th> </tr> </thead> <tbody> <tr> <td>d, h</td> <td>3.5</td> <td>4.5</td> <td>5.5</td> <td>6.5</td> <td>9</td> <td>11</td> <td>14</td> <td>18</td> </tr> <tr> <td>d1</td> <td>6.5</td> <td>8</td> <td>9.5</td> <td>11</td> <td>14</td> <td>18</td> <td>20</td> <td>26</td> </tr> </tbody> </table>		Dimensions	3	4	5	6	8	10	12	16	d, h	3.5	4.5	5.5	6.5	9	11	14	18	d1	6.5	8	9.5	11	14	18	20	26
Dimensions	3	4	5	6	8	10	12	16																							
d, h	3.5	4.5	5.5	6.5	9	11	14	18																							
d1	6.5	8	9.5	11	14	18	20	26																							

- When selecting material symbols [ABW][ABB] blank types with no holes, [plating wire marks] shown on the right and [plating color variations] may appear.
- When selecting material symbols [SBM] blank types with no holes, [plating wire hanger holes] shown on the right may be present.



Alterations

Part Number: WAS - B - D - SBB - T10 - A150 - B60 - L80 - Y120 - H50 - F50 - G50 - D(DC) - N6 - V60 - S20 - NA6 - CC10

Alterations	Corner Cut Change	Gusset Position Change	Slotted Bottom Hole Angle Change	D Hole Position Change	D Hole Tolerance Change	Back Side Milled Alteration
Code	CC	RBC	RC	HDC	DC	FC
Spec.	CC=Specify 1mm Increment 3≤CC≤30 [Specifying Method] Add CC at the end of the type designation (Ex)--CC10	RBC=Specify 1mm Increment 2≤RBC≤L-2 (Single Gusset Type) RBC≤L/2-t-2 (Double Gusset Type) Add RBC at the end of the type designation (Ex)--RBC5	NA slotted hole is rotated 90° about the center. [Specifying Method] Add RC at the end of the type designation (Ex)--RC	E dimension specification is rotated 180°. [Specifying Method] Add HDC at the end of the type designation (Ex)--HDC	Center hole D is changed to a precision hole (H7). DC=Specify 1mm Increment 3≤DC≤100 [Specifying Method] Specify by replacing dim. D to DC (Ex)--DC20	Backside is milled. [Specifying Method] Milling is to end 10mm away from the gusset. Add FC at the end of the type designation (Ex)--FC
Price Adder						