

Sheet Metal Mounting Plates / Brackets

Z Bent Type

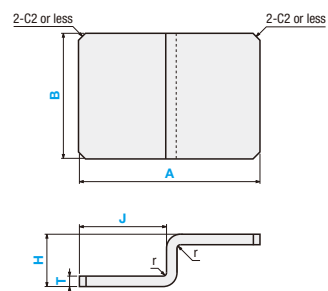


RoHS10

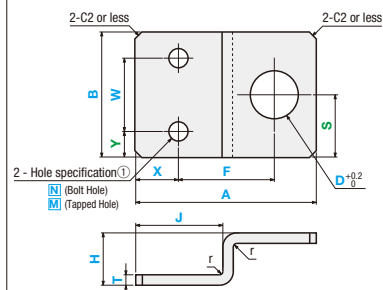
Part Number Type	Material Symbol	Material	Surface Treatment
SWBZS	SP	Low Carbon Steel	-
SWCAS	SPB	Low Carbon Steel	Black Oxide
SWBAS	SPU	Steel	Trivalent Chromate (Clear)
SWBCS	SPK	Steel	Trivalent Chromate (Black)
SWCBS	AM	5052 Aluminum Alloy	-
SWBBS	AMW	Aluminum Alloy	Anodize (Clear)
SWBDS	AMB	Aluminum Alloy	Anodize (Black)
	SUD	304 Stainless Steel	-

④ 4.5, 6.0 thickness type is Low Carbon Steel material.
⑤ Bright Chromate Plating has been changed to Trivalent Chromate Plating (Clear).

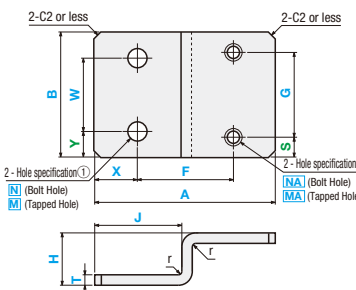
SWBZS (No Hole)



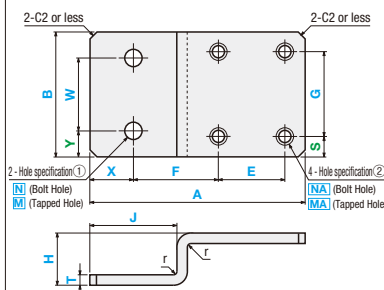
SWCAS



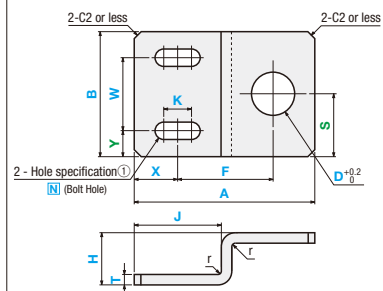
SWBAS



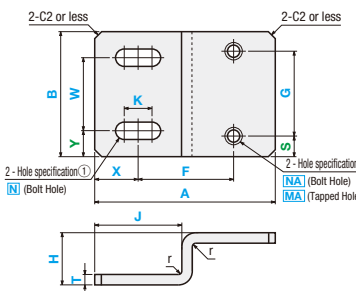
SWBCS



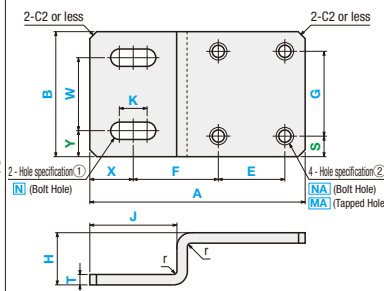
SWCBS



SWBBS



SWBDS



⑥ Green colored parameters can be omitted. If omitted, the placements will be even about the center. For details, see P.1720

Part Number Type	Material Symbol	Specify 1mm Increment		Selection		1mm Increment	H	J	X	Y	W	Hole Specification ①					Hole Specification ②					D
		A	B	T	H							K	F	E	S	G	Code / Specify Method	Code / Specify Method				
SWBZS	SP	20	10	Low Carbon Steel	5052 Aluminum Alloy	304 Stainless Steel	10					N (Bolt Hole)	0, 3, 4, 5, 6, 8, 10	Specify 0.1mm Increment	NA (Bolt Hole)	0, 3, 4, 5, 6, 8, 10					3~30	
SWCAS	SPB	200	200	Low Carbon Steel	5052 Aluminum Alloy	304 Stainless Steel	10					M (Tapped Holes)	0, 3, 4, 5, 6, 8, 10	Specify 0.1mm Increment	MA (Tapped Holes)	0, 3, 4, 5, 6, 8, 10					0.5 Increment	
SWBAS	SPU			Low Carbon Steel	5052 Aluminum Alloy	304 Stainless Steel	10															
SWBCS	SPK			Low Carbon Steel	5052 Aluminum Alloy	304 Stainless Steel	10															
SWCBS	AM			5052 Aluminum Alloy	5052 Aluminum Alloy	5052 Aluminum Alloy	10															
SWBBS	AMW			5052 Aluminum Alloy	5052 Aluminum Alloy	5052 Aluminum Alloy	10															
SWBDS	AMB			5052 Aluminum Alloy	5052 Aluminum Alloy	5052 Aluminum Alloy	10															
	SUD			304 Stainless Steel	304 Stainless Steel	304 Stainless Steel	10															

⑦ When T≥3.0, A≥30
⑧ If the specified hole location is close to the edges, the hole may be deformed but will be machined as specified if within machining limits.

⑨ N, NA Machining Dimensions

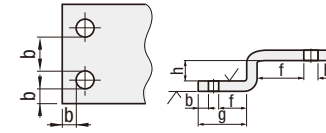
N, NA Specification Value	0	3	4	5	6	8	10
Through Hole Dia. (d)	(No Hole)	3.5	4.5	5.5	6.5	9	11

Ordering Example

Part Number	A	B	T	H	J	X	Y	W	Hole Specification ①	K	F	E	S	G	Hole Specification ②	D
SWBAS - SP - A80 - B40 - T3.2 - H30 - J40 - X20 - Y10 - W20 - N4 - F40 - S6 - G28 - MA3																

Specifications, Machining Limits

- For tolerances, see P.1719
- Burr height 0.1 or less
- Bend angle tolerance ±1°
- Slotted holes may be as shape shown below depending on dimensions. (No negative effects on mounting functionality)
- There will be some scratches and bend bulges by sheet metal brake. For details and bend radius information, see P.1718
- There are machining limits on b, f, g and h shown in below diagram. (For limit values, see P.1720)



Days to Ship [Configure Online](#)

Alterations

Part Number
Type - Material Symbol - A - B - T - H - J - (CC, WCC)
SWBZS - SUD - A100 - B50 - T2.0 - H20 - J50 - CC5

Price [Configure Online](#)

Hole Type Selection Chart

Hole Type	Bolt Hole	Tapped Holes (Coarse Thread)	Through Hole
Code	N, NA	M, MA	D
Shape Diagram			

⑩ For d dimension, see "N, NA Machining Dimensions" on lower section of specification chart.

Alterations	Corner Cut Change (2 Corners)	Corner Cut Change (4 Corners)
Code	CC	WCC
Spec.	CC=Specify 1mm Increment ⑪ 1≤CC≤10 [Specifying Method] Add CC at the end of the type designation (Ex.) - CC10	WCC=Specify 1mm Increment ⑫ 1≤WCC≤10 [Specifying Method] Add WCC at the end of the type designation (Ex.) - WCC10
Price Adder		

A	B	Main Body Price Unit Price												Surface Treatment Charge (+Main Body Price)				
		Low Carbon Steel	304 Stainless Steel	SWBZS			SWCAS			SWBAS			SWBCS			Black Oxide Trivalent Chromate (Clear, Black)	Anodize (Clear)	Anodize (Black)
				SP	AM	SUD	SP	AM	SUD	SP	AM	SUD	SP	AM	SUD			
20-100	10-100	1.6	1.5															
		2.3	2.0															
		3.2	3.0															
		4.5	4.0															
		6.0	-															

A	B	Main Body Price Unit Price												Surface Treatment Charge (+Main Body Price)			
		Low Carbon Steel	304 Stainless Steel	SWCBS			SWBBS			SWBDS			Black Oxide Trivalent Chromate (Clear, Black)	Anodize (Clear)	Anodize (Black)		
				SP	AM	SUD	SP	AM	SUD	SP	AM	SUD					
20-100	10-100	1.6	1.5														
		2.3	2.0														
		3.2	3.0														
		4.5	4.0														
		6.0	-														