

Mounting Plates / Brackets

Overview

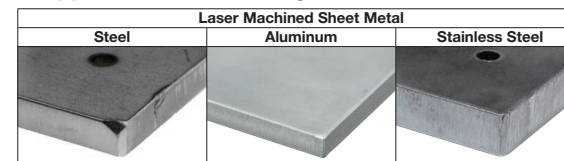
Flat Brackets

Type	Photo	Page	Material	Surface Treatment	Dimensions			Accuracies	Price
					Width	Length	Plate Thickness		
Sheet Metal		P.1721	Low Carbon Steel Low Carbon Steel 5052 Aluminum Alloy 304 Stainless Steel(2B)	Trivalent Chromate (Clear) Trivalent Chromate (Black) Anodize (Clear) Anodize (Black)	10-100 1mm Increment	10-200 1mm Increment	2.0-4.5		
			Low Carbon Steel Low Carbon Steel 5052 Aluminum Alloy 304 Stainless Steel(2B)	Black Oxide Trivalent Chromate (Clear) Trivalent Chromate (Black) Anodize (Clear) Anodize (Black)	5-300 1mm Increment	10-300 1mm Increment	1.0-6.0		
Flat Bars, Rolled Aluminum		P.1725	1018 Carbon Steel 304 Stainless Steel	Black Oxide Electroless Nickel Plating	15 16 20 22 25 32 38 50 60 65 75 100 125	30-150 1mm Increment	6-19	1018 Carbon Steel, 1045 Carbon Steel (Bending) 0.1/100 or less	
			1045 Carbon Steel 304 Stainless Steel	Black Oxide Electroless Nickel Plating	15 16 20 22 25 32 38 50 60 65 75 100 125	25-200 0.1mm Increment	6-19	5052 Aluminum Alloy (Flatness) 0.15/100 or less	
			1045 Carbon Steel 5052 Aluminum Alloy 304 Stainless Steel	Black Oxide Electroless Nickel Plating Anodize (Clear) Anodize (Black)	10-200 0.1mm Increment	25-200 0.1mm Increment	5-20	304 Stainless Steel (Bending) 0.25/100 or less	
6-Surface Milling		P.1731	1045 Carbon Steel 5052 Aluminum Alloy 304 Stainless Steel	Black Oxide Electroless Nickel Plating Anodize (Clear) Anodize (Black)	10-200 0.1mm Increment	25-200 0.1mm Increment	3-30 0.1mm Increment	(Flatness) Less than T10 0.1/100 T10 or more 0.05/100	
			1045 Carbon Steel 5052 Aluminum Alloy 304 Stainless Steel	Black Oxide Electroless Nickel Plating Anodize (Clear) Anodize (Black)	10-150 0.1mm Increment	30-150 0.1mm Increment	5-20 0.1mm Increment	(Parallelism) 0.05/100	

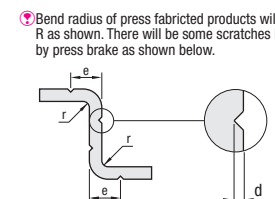
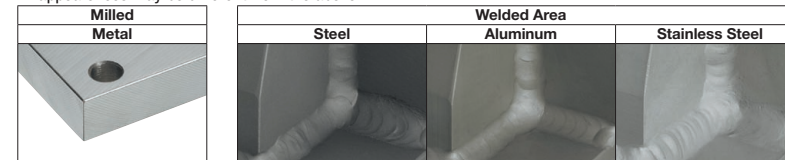
L - Shaped Brackets

Type	Photo	Page	Material	Surface Treatment	Dimensions				Precision (Perpendicularity)	Price
					Width	Length	Height	Plate Thickness		
Sheet Metal		P.1737	Low Carbon Steel Low Carbon Steel 5052 Aluminum Alloy 304 Stainless Steel(2B)	Trivalent Chromate (Clear) Trivalent Chromate (Black) Anodize (Clear) Anodize (Black)	15-100 1mm Increment	15-100 1mm Increment	20-200 1mm Increment	2.0-4.5		
			Low Carbon Steel Low Carbon Steel 5052 Aluminum Alloy 304 Stainless Steel(2B)	Black Oxide Trivalent Chromate (Clear) Trivalent Chromate (Black) Anodize (Clear) Anodize (Black)	10-200 1mm Increment	15-200 1mm Increment	20-200 1mm Increment	1.0-6.0		
L- Shaped Angles		P.1741	1018 Carbon Steel 6063 Aluminum Alloy 304 Stainless Steel	Black Oxide Electroless Nickel Plating Anodize (Clear) Anodize (Black)	25 30 40 50 60 70 80	20 25 30 40 50	20 25 30 40 50 60 80	5-10	Within 0.05/100	
			1018 Carbon Steel 6063 Aluminum Alloy 304 Stainless Steel	Black Oxide Electroless Nickel Plating Anodize (Clear) Anodize (Black)	10-100 0.5mm Increment	10-130 0.5mm Increment	10-130 0.5mm Increment	5-15	Long A, B sides 15-80 0.05 or less 80.5-125 Within 0.1	
Welded		P.1747	1018 Carbon Steel 5052 Aluminum Alloy 304 Stainless Steel	Black Oxide Electroless Nickel Plating Anodize (Clear) Anodize (Black)	40-200 1mm Increment	40-150 1mm Increment	50-300 1mm Increment	8-20	Within 0.05/100	

Appearance of Matching Methods



Some sheet metal products are fabricated with turret punch presses and the appearances may be different from the above.



Bend radius of press fabricated products will be R as shown. There will be some scratches left by press brake as shown below.

Plate Thickness	Bending R	Brake Scratches Position	Depth	
			r	d
Low Carbon Steel/304 Stainless Steel(2B) Low Carbon Steel/5052 Aluminum Alloy	1.0	1.0	1	5.0
	1.6	1.5	1.5	6.0
	2.3	2.0	2	7.5
	3.2	3.0	3	10.5
	4.5	4.0	4	13.5
	6.0	5.0	6	15.0

Use E, d dimension for reference only.