# Plate Processing

Countersunk Holes • Chamfered Edges • Edge Rounding

Countersunk Holes for Flat Head Screws

Alro offers countersunk holes for flat head socket screws on carbon steel plate in select thicknesses. After cutting parts to print on Alro's plate laser, we add clean, consistent countersinks, ensuring fasteners sit flush. This value-added service saves time, reduces shop labor, and delivers parts ready for immediate installation.

Countersink Angle
Metric 82°   Standard 90°

Countersink Diameter

Pilot Hole Diameter
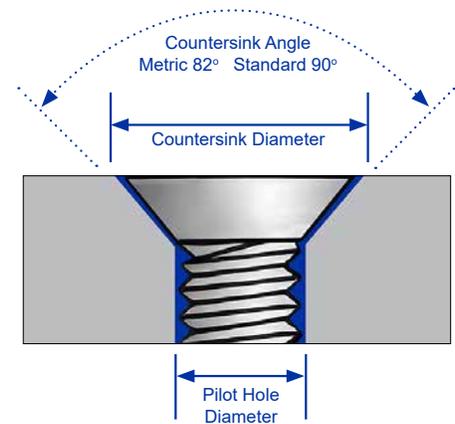
CAPABILITIES

Type	Countersink Size (Predetermined Dia.)	Pilot Hole Diameter	CARBON STEEL PLATE ONLY	
			Min. Thickness	Max. Thickness
Metric	M3	0.134"	3/16"	1/4"
Metric	M4	0.180"	1/4"	1/2"
Metric	M5	0.223"	1/4"	1/2"
Metric	M6	0.268"	1/4"	1/2"
Metric	M8	0.363"	1/4"	1/2"
Metric	M10	0.444"	1/4"	1/2"
Metric	M12	0.542"	3/8"	1/2"
Standard	1/4"	0.250"	1/4"	1/2"
Standard	5/16"	0.3125"	3/8"	1/2"
Standard	3/8"	0.375"	3/8"	1/2"

Alro Steel
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Chamfered Edges for Carbon Steel Plate

Alro offers edge chamfering on carbon steel plate and it can be performed on both inside and outside contours. It's ideal for applications like weld preparation and removing sharp baseplate edges, ensuring a cleaner, safer final product.
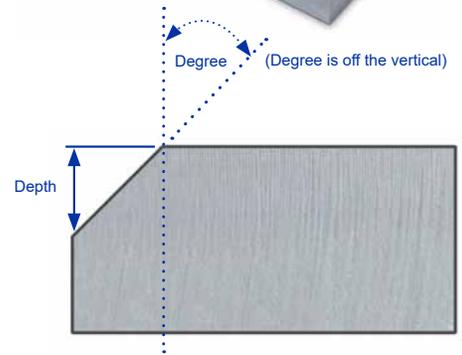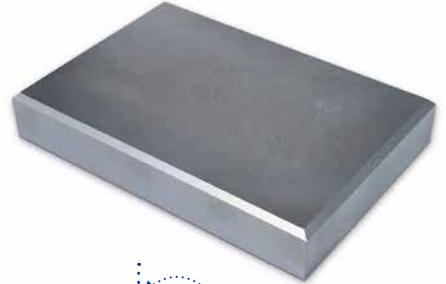
CAPABILITIES	CARBON STEEL PLATE ONLY	
Chamfer Size (Depth by Degree)	Min. Thickness	Max. Thickness
0.12" x 30°	3/16"	1/2"
0.12" x 45°	3/16"	1/2"
0.16" x 30°	3/16"	1/2"
0.16" x 45°	3/16"	1/2"
0.20" x 30°	1/4"	1/2"
0.24" x 30°	1/2"	1/2"

Degree   (Degree is off the vertical)

Depth

Edge Rounding for Stainless Steel

Edge rounding provides a 0.02" radius edge on stainless steel sheet and plate to reduce sharp edges. This precision finishing makes parts safer and easier to handle. Edge rounding is done to one side or surface only. Available on stainless sheet and plate from 20 ga up to 5/16" thick.

Standard (Sharp Edge)

.02" RAD. EDGE ROUNDING

STANDARD EDGE

0.02" rad. Edge Rounding
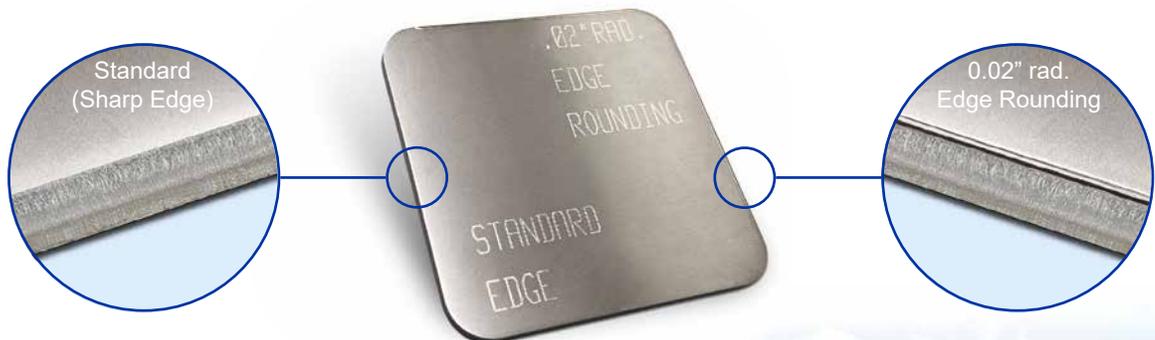
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