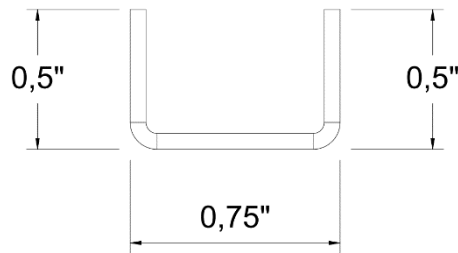


Product Type: U-Channel

Product Definition: 075U050-54 33ksi

CSI Code: 09.22.16.13



Profile Properties:

Web Depth	0,75 in	Yield Strength:	33 ksi
Flange Width	0,50 in	Unit Weight	0,3027 lb/ft
Design Thickness	0,0566 in	Finish	G40
Minimum Thickness	0,0538 in	Color Coding	

Gross Section Properties:

Cross Sectional Area	Agross	0,0890 in ²
Moment of Inertia, x-axis	Ix	0,0075 in ⁴
Radius of Gyration, x-axis	rx	0,2906 in
Moment of Inertia, y-axis	Iy	0,0022 in ⁴
Radius of Gyration, y-axis	ry	0,1560 in

Effective Section Properties:

Effective Moment of Inertia for Deflection	Ixe	0,0070 in ⁴
Allowable Bending Moment	Ma	0,4615 in.K

Codes & Standards:

- Calculations are based on AISI S220-20 and AISI S100-16.
- Complies with IBC2021, ASTM C645, ASTM C754, ASTM A653, ASTM A1003, ASTM E72
- Intertek Certificate of Compliance No: COC-WHI23-37729201
- LEED / Sustainability Credits: Environmental Product Declaration S-P Code: S-P-00869