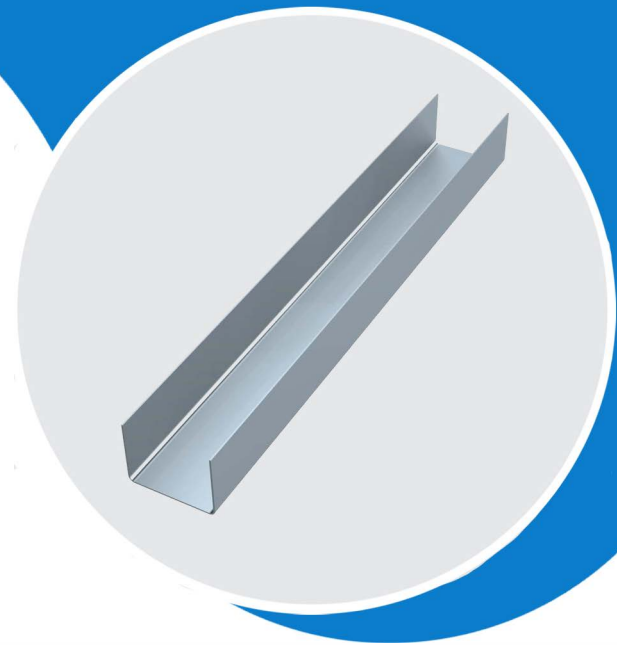


U-Channels (U)



MATERIAL	
Web (in)	2
Flange (in)	1/2
Yield Strength Fy (KSI)	33
Tensile Strength Fu (KSI)	45
Design Thickness (in)	0.0566
Minimum Thickness (mil)	54
Gauge	16
Available Finish G60, G90	

PRODUCT ID

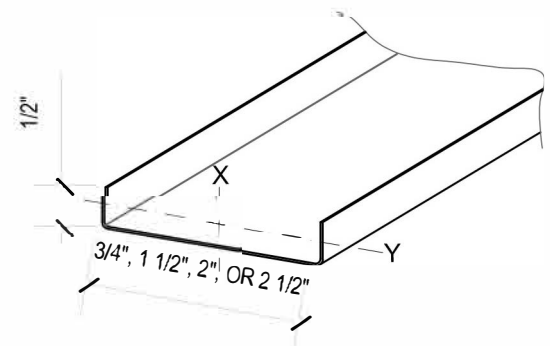
200 U050-54 (2x1/2x16ga)

CODES & STANDARDS

- ASTM A 1003, A 653, & C 955
- AISI S100-16

GROSS SECTION PROPERTIES	
Weight of Member: (lb/ft)	0.537
Cross Sectional Area: A (in ²)	0.158
Moment of Inertia: Ix (in ⁴)	0.080
Radius of Gyration: Rx (in)	0.711
Moment of Inertia: Iy (in ⁴)	0.003
Radius of Gyration: Ry (in)	0.137

EFFECTIVE SECTION PROPERTIES	
Moment of Inertia-Deflection: Ixe (in ⁴)	0.080
Section Modulus: Sxe (in ³)	0.080
Allowable Bending Moment: Ma (in-k)	1.883
Allowable Shear Force: Va (lb)	1203
(check web crippling)	



See Hermes/Hephaistos Technical Manual
for complete design data