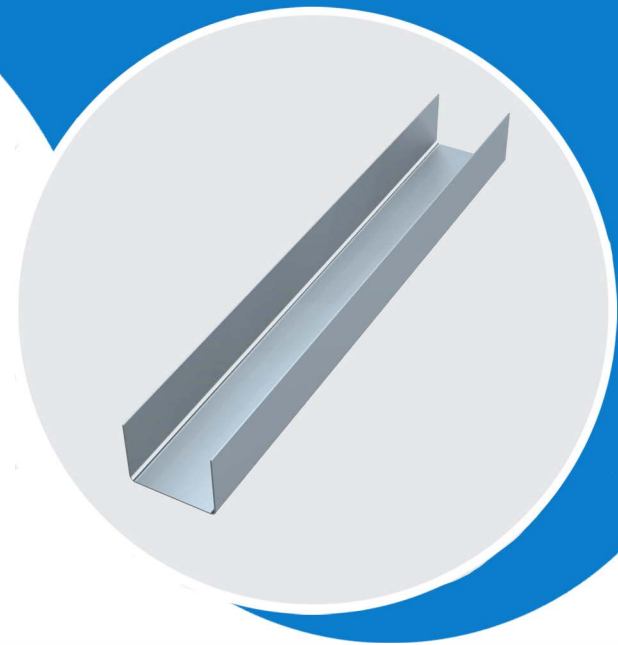


U-Channels (U)



PRODUCT ID

075 U050-54 (¾x½x16ga)

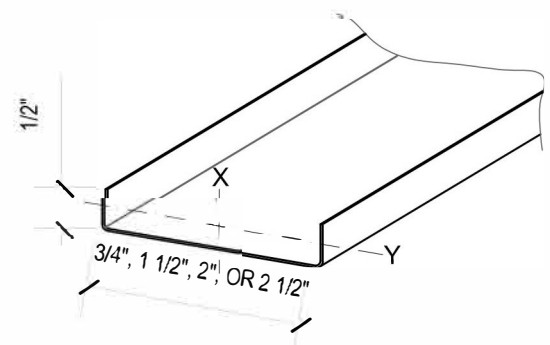
CODES & STANDARDS

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

MATERIAL	
Web (in)	¾
Flange (in)	½
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	

GROSS SECTION PROPERTIES	
Weight of Member: (lb/ft)	0.296
Cross Sectional Area: A (in²)	0.087
Moment of Inertia: Ix (in⁴)	0.007
Radius of Gyration: Rx (in)	0.289
Moment of Inertia: Iy (in⁴)	0.002
Radius of Gyration: Ry (in)	0.156

EFFECTIVE SECTION PROPERTIES	
Moment of Inertia-Deflection: Ixe (in⁴)	0.007
Section Modulus: Sxe (in³)	0.019
Allowable Bending Moment: Ma (in-k)	0.459
Allowable Shear Force: Va (lb)	327
(check web crippling)	



See Hermes/Hephaistos Technical Manual
for complete design data