

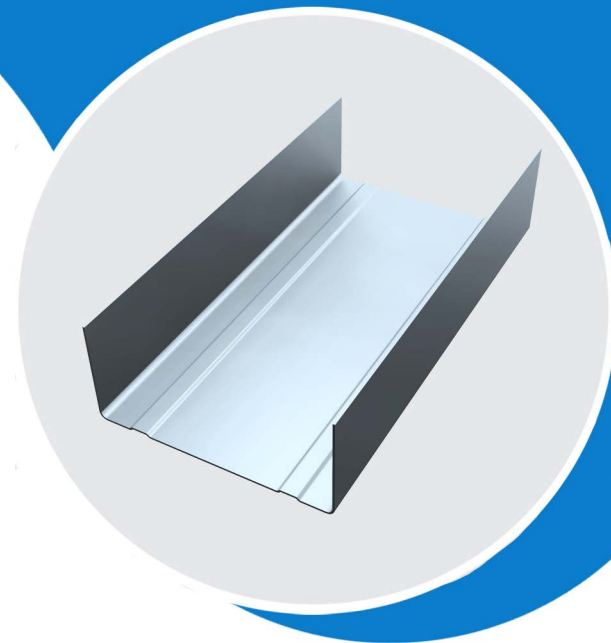
Tracks (T)

MATERIAL	
Web (in)	3 $\frac{5}{8}$
Flange (in)	2
Yield Strength Fy (KSI)	33, 50
Tensile Strength Fu (KSI)	45, 65
Design Thickness (in)	0.0451
Minimum Thickness (mil)	43
Gauge	18
Available Finish G60, G90	

GROSS SECTION PROPERTIES	
Weight of Member: (lb/ft)	1.17
Cross Sectional Area: A (in ²)	0.343
Moment of Inertia: Ix (in ⁴)	0.808
Section Modulus: Sx (in ³)	0.427
Radius of Gyration: Rx (in)	1.534
Moment of Inertia: Iy (in ⁴)	0.142
Radius of Gyration: Ry (in)	0.643

EFFECTIVE SECTION PROPERTIES		
Yield Stress (ksi)	33	50
Moment of Inertia-Deflection: Ixe (in ⁴)	0.650	0.515
Section Modulus: Sxe (in ³)	0.271	0.24
Allowable Bending Moment: Ma (in-k)	5.35	7.09
Allowable Shear Force: Va (lb)	1740	2141
(check web crippling)		

TORSIONAL SECTION PROPERTIES	
St. Venant Torsional Constant: Jx1000 (in ⁴)	0.2329
Torsional Warping Constant: Cw (in ⁶)	0.350
Shear Center to Centroid on Principal X-axis: Xo (in)	-1.265
Radius of Gyration on the Centroid Principal axis: Ro (in)	2.090

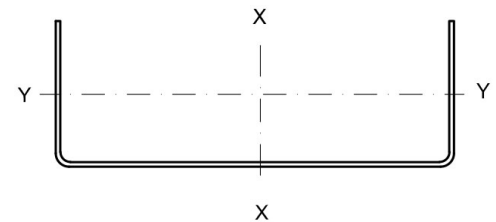


PRODUCT ID

362T200-43 (3 $\frac{5}{8}$ x2x18ga)

CODES & STANDARDS

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



See Hermes/Hephaistos Technical Manual
for complete design data