

6.16 (IN) STRUCTURAL TRACK

Web Depth	6.16 (in)
Leg Length	1.25 (in)
Design Thickness	0.0451 (in)
Min. Deliverable Thickness	0.0428 (in)
Yield Strength, Fy	33 (ksi)



GROSS SECTION PROPERTIES (FULL SECTION)

Area (Ag)	0.3829 (in ²)
Member weight per foot of length	1.303 (lb/ft)
Moment of inertia X-X axis (Ix)	1.8611 (in ⁴)
Section Modulus X-X axis (Sxx)	0.6041 (in ³)
Radius of gyration X-X Axis (Rx)	2.2046 (in)
Moment of inertia Y-Y axis (Iyy)	0.0435 (in ⁴)
Radius of gyration Y-Y axis (Ry)	0.3371 (in)

EFFECTIVE SECTION PROPERTIES

Moment of inertia for deflection (Ixe)	1.7683 (in ⁴)
Section Modulus (Sxe)	0.4612 (in ³)
Allowable Local Buckling Moment (Ma)	9.11 (in-k)
Allowable shear force in web (Va-g)	1377 (lb)

TORSIONAL PROPERTIES

St. Venant torsional constant (J x 1000)	0.2596 (in ⁴)
Warping Constant (Cw)	0.3069 (in ⁶)
Distance from shear center to neutral axis (Xo)	-0.5129 (in)
Radii of gyration (Ro)	2.2884 (in)
Torsional flexural constant (b)	0.9498