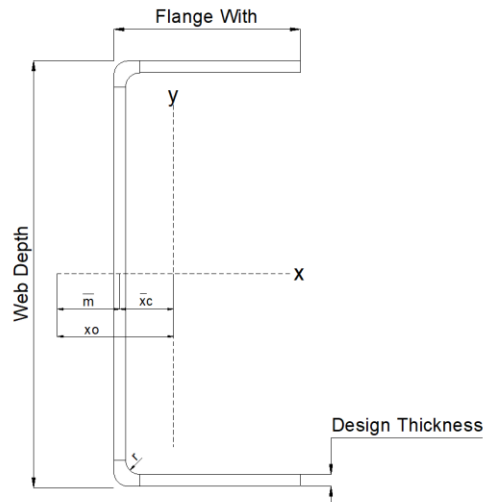


Product Type: Structural Track

Product Definition: 362T125-43 (33ksi)

CSI Code: 05 41 00



Profile Properties:

Web Depth	3.620 in	Yield Strength F_y :	33 ksi
Flange Width	1.250 in	Unit Weight	0.94 lb/ft
Design Thickness	0.0451 in	Coating	G60
Thickness	43mils (18Ga)		

Gross Section Properties:

Cross Sectional Area	A_{gross}	0.2756 in ²
Member weight per foot of length		0.94 lb/ft
Moment of Inertia, x-axis	I_x	0.5697 in ⁴
Radius of Gyration, x-axis	r_x	1.4377 in
Moment of Inertia, y-axis	I_y	0.0388 in ⁴
Radius of Gyration, y-axis	r_y	0.3753 in

Torsional Properties:

St. Venant Torsion Constant	$J \times 1000$	0.1869 in ⁴
Warping Constant	C_w	0.0975 in ⁶
Distance Between Shear Axis and Neutral Axis	x_0	-0.6539 in
Polar Radius of Gyration	r_0	1.6234 in
Torsional Flexural Constant	β	0.8378
Limit of Unbraced Length	L_u	20.46 in



Effective Section Properties:

Effective Area	Aeff	0.1740 in ²
Effective Moment of Inertia for Deflection	Ixe	0.4967 in ⁴
Effective Section Modulus	Sxe	0.2444 in ³
Allowable Bending Moment	Ma	4.8297 in.k
Allowable Shear Force (Solid Section)	Vag	1740 lbs

Codes & Standards:

- Calculations are based on AISI S240-20 and AISI S100-16 (2020) w/S2-20.
- Complies with IBC 2024, ASTM C955, ASTM C754, ASTM A653, ASTM A1003, ASTM E72
- LEED / Sustainability Credits: Environmental Product Declaration S-P Code: S-P-00869