

600T125-18

Product Information

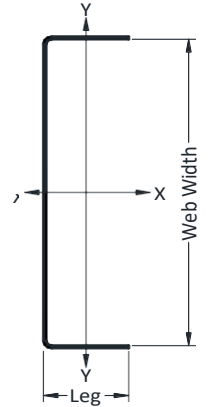
Westud track is fabricated from prime mill certified steel with a true galvanized coating. Heavier coatings may be available upon request.

Steel Material Properties

18 Mil	Labeled Thickness
0.0188"	Design Thickness
0.0179"	Minimum Thickness
33 ksi	Yield Strength (Fy)
45 ksi	Tensile Strength (Fu)
G40	Galvanize Coating Thickness
No Paint	Color Code (Painted Ends)

Geometric Properties

6"	Web Width
1-1/4"	Leg Height



LEED - Possible Points for Certification

Westud materials have a high inherent recycled content and can be used in achieving LEED Certification. Westud's HPD & EPD are available upon request.

- LEED v4 Credit MR: Building Product Disclosure and Optimization - EPD (2 Possible Points)
- LEED v4 Credit MR: Building Product Disclosure and Optimization - Sourcing of Raw Materials (1 Possible Points)
- LEED v4 Credit MR: Building Product Disclosure and Optimization - Material Ingredients (1 Possible Points)

Recycled Content of Steel

- 14.4% Pre-Consumer Scrap Recycled Content
- 19.8% Post-Consumer Scrap Recycled Content
- 34.2% Total Recycled Content

ASTM and AISI Code Standards

- ASTM A653/A653M, A924/A924M, A1003, C645, C754, C955, C1007
- AISI S100-12 and AISI S240-15
- IBC 2015 and IBC 2018, as well as CBC 2016 and CBC 2019

Section Properties

Table Notes:

1. The centerline bend radius is based on inside corner radii.
2. Web depth for track section is equal to the nominal height plus 2 times the design thickness plus the bend radius.
3. Hems on nonstructural track sections are ignored. Not all track members are hemmed.
4. Effective properties incorporate the strength increase from the cold work of forming as applicable per AISI S100-12 A7.2.
5. For deflection calculations, use the effective moment of inertia.
6. Based on ASTM C645, the 18 mil and 30 mil track material is considered nonstructural.

Section	Gross Properties							Effective Properties				Torsional Properties					
	Area (in ²)	Weight (lb/ft)	I _x (in ⁴)	S _x (in ³)	R _x (in)	I _y (in ⁴)	R _y (in)	I _{xe} (in ⁴)	S _{xe} (in ³)	Ma (in-k)	Vag (lb)	Jx1000 (in ⁴)	Cw (in ⁶)	Xo (in)	m (in)	Ro (in)	β
600T125-18	0.16	0.54	0.776	0.254	2.204	0.019	0.342	-	-	-	-	0.019	0.132	-0.528	0.347	2.292	0.947

Web height-to-thickness ratio exceeds 260 or flange width-to-thickness ratio exceeds 60, effective properties are not calculated.