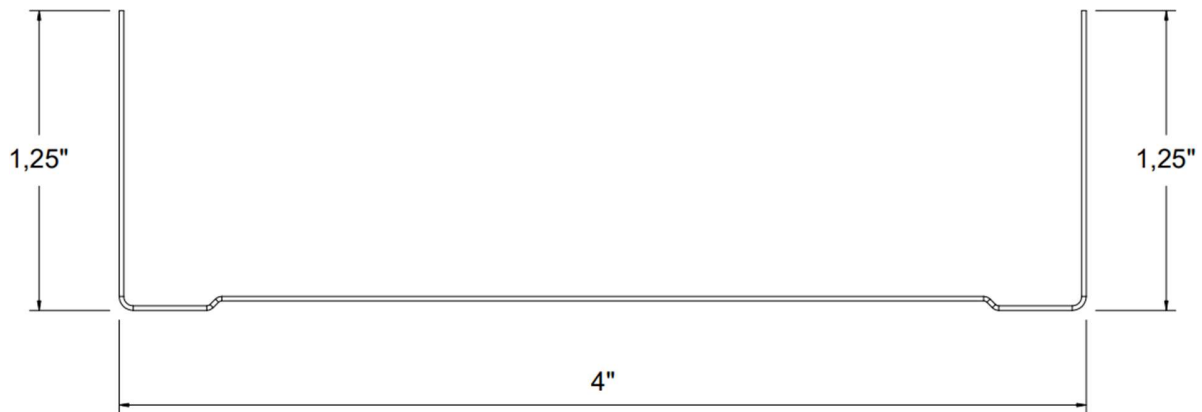


Product Type: Drywall Track
Product Definition: 400T125-18 33ksi
CSI Code: 09.22.16.13



Profile Properties:

| | | | |
|-------------------|-----------|-----------------|------------|
| Web Depth | 4,000 in | Yield Strength: | 33 ksi |
| Flange Width | 1,250 in | Unit Weight | 0,41 lb/ft |
| Design Thickness | 0,0188 in | Finish | G40 |
| Minimum Thickness | 0,0179 in | Color Coding | None |

Gross Section Properties:

| | | |
|----------------------------|--------|------------------------|
| Cross Sectional Area | Agross | 0,1230 in ² |
| Moment of Inertia, x-axis | Ix | 0,2782 in ⁴ |
| Radius of Gyration, x-axis | rx | 1,5218 in |
| Moment of Inertia, y-axis | Iy | 0,0170 in ⁴ |
| Radius of Gyration, y-axis | ry | 0,3757 in |

Torsional Properties:

| | | |
|--|----------|------------------------|
| St. Venant Torsion Constant | J x 1000 | 0,0142 in ⁴ |
| Warping Constant | Cw | 0,0463 in ⁶ |
| Distance Between Shear Axis and Neutral Axis | x0 | -0,6410 in |
| Polar Radius of Gyration | r0 | 1,6935 in |
| Torsional Flexural Constant | β | 0,8567 |
| Limit of Unbraced Length | Lu | 28,97 in |





Effective Section Properties:

| | | |
|--|------------------|------------------------|
| Effective Area | A _{eff} | 0,0998 in ² |
| Effective Moment of Inertia for Deflection | I _{xe} | 0,2200 in ⁴ |
| Effective Section Modulus | S _{xe} | 0,0864 in ³ |
| Allowable Bending Moment | M _a | 1,5100 in.K |
| Allowable Shear Force | V _{ag} | 160 lbs |

Codes & Standards:

- Calculations are based on AISI S220-20 and AISI S100-16.
- Complies with IBC2021, ASTM C645, ASTM C754, ASTM A653, ASTM A1003, ASTM E72
- Intertek Certificate of Compliance No: COC-WHI23-37729201
- LEED / Sustainability Credits: Environmental Product Declaration S-P Code: S-P-00869

