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ProSTUD® 362PDS125-18G60

Product Description **3 5/8" PROSTUD®20 (18MIL) G60**

Coating G60

Physical Properties

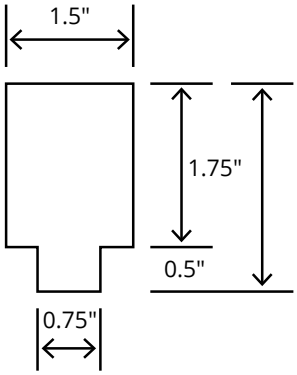
Design Thickness (in)	0.019
Minimum Thickness (in)	0.01805
Web Width (in)	3.625
Flange Width (in)	1.25
Stiffening Lip (in)	0.325
Yield Strength (ksi)	70

Gross Section Properties	
Cross Sectional Area (A)	0.126
Moment of Inertia (Ix)	0.254
Radius of Gyration (Rx)	1.421
Gross Moment of Inertia (Iy)	0.026
Gross Radium of Gyration (Ry)	0.456

Effective Section Properties	
Effective Area (Ae)	0.044
Moment of Inertia for deflection (Ixe)	0.234
Section Modulus (Sxe)	0.074
Allowable Bending moment (Ma)	3102
Allowable shear force in web (U)(Vag)	174
Allowable shear force in web (P) (Vanet)	170

Torsional Properties	
St. Venant torsion constant (J x 1000)	0.01512
Warping constant (Cw)	0.07
Distance from shear center to neutral axis (Xo)	-0.884
Radii of gyration (Ro)	1.734
Torsional flexural constant (Beta)	0.74
Unbraced Length (Lu)	24.3

Punch Out



Notes

1. Calculated properties are based on AISI S100-12, North American Specification for Design of Cold-Formed Steel Structural Members and AISI S220-15, North American Standard for Cold-Formed Steel Framing - NonStructural Members.
2. Effective Properties incorporate the strength increase from the cold work of forming as applicable per AISI A7.2.
3. Tabulated gross properties including torsional properties are based on full-unreduced cross section of the studs, away from punchouts.
4. For deflection calculations, use the effective moment of inertia.
5. Allowable moment includes cold-work of forming.
6. Allowable moment is taken as the lowest value based on loacl or distortional buckling. Distortional buckling strength is based on a k-phi = 0.

ASTM & Code Standards

• AISI S100-07 & S220-11 • Meets or exceeds ASTM C645 & C754 • ASTM E119, E72, & E90 • ATI CCRR-0207 • LA RR 26019

Mill Steel Framing LEED Green Credits

MR Credit 2 • ConstructionWaste Management – Mill Steel Framing steel framing is 100% recyclable
MR Credit 4 • Recycled Content – Mill Steel Framing products contain no less than 25.5% post-consumer and 6.8% pre-consumer recycled content
MR Credit 5 • Regional Materials – Mill Steel Framing has manufacturing facilities in Indiana, Alabama & Texas
V4 MR Credits • Building Product Disclosure and Optimization EPD (1 point)
• Materials Ingredients (1 point) – Construction and Demolition Waste Management (1 point)