Non-Structural Stud (S)

MATERIAL	
Web (in)	3⅝
Flange (in)	1¼
Lip (in)	0.188
Yield Strength Fy (KSI)	33
Tensile Strength Fu (KSI)	45
Design Thickness (in)	0.0346
Minimum Thickness (mil)	33
Gauge	20S
Available Finish G60, G90	

GROSS SECTION PROPERTIES	
Weight of Member: (lb/ft)	0.73
Cross Sectional Area: A (in^2)	0.215
Moment of Inertia: Ix (in^4)	0.421
Section Modulus: Sx (in^3)	0.232
Radius of Gyration: Rx (in)	1.401
Moment of Inertia: Iy (in^4)	0.037
Radius of Gyration: Ry (in)	0.413

EFFECTIVE SECTION PROPERTIES	
Moment of Inertia-Deflection: Ixe (in^4)	0.373
Section Modulus: Sxe (in^3)	0.189
Local Buckling Allowable Moment:Mal (in-k)	3.73
Distortional Buckling Allowable Moment: Mad (in-k)	3.26
Allowable strong axis shear away from punch: Vag (lb)	1024
Allowable strong axis shear at punch: Vanet (lb)	521

(check web crippling)

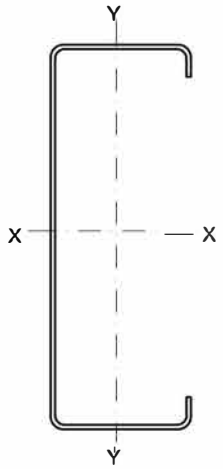
TORSIONAL SECTION PROPERTIES	
St. Venant Torsional Constant: Jx1000 (in^4)	0.086
Torsional Warping Constant: Cw (in^6)	0.094
Shear Center to Centroid on Principal X-axis: Xo (in)	-0.770
Radius of Gyration on the Centroid Principal axis: Ro (in)	1.651

PRODUCT ID

362S 125-33 (3⅝x1¼x20Sga)

CODES & STANDARDS

- ASTM A 1003, A 653, & C 955
- AISI S 100-16



See Hermes/Hephaistos Technical Manual for complete design data

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