Non-Structural Stud (S)

MATERIAL	
Web (in)	6
Flange (in)	1¼
Lip (in)	0.188
Yield Strength Fy (KSI)	33
Tensile Strength Fu (KSI)	45
Design Thickness (in)	0.0451
Minimum Thickness (mil)	43
Gauge	18
Available Finish G60, G90	

GROSS SECTION PROPERTIES	
Weight of Member: (lb/ft)	1.31
Cross Sectional Area: A (in^2)	0.385
Moment of Inertia: Ix (in^4)	1.818
Section Modulus: Sx (in^3)	0.606
Radius of Gyration: Rx (in)	2.173
Moment of Inertia: Iy (in^4)	0.053
Radius of Gyration: Ry (in)	0.370

EFFECTIVE SECTION PROPERTIES	
Moment of Inertia-Deflection: Ixe (in^4)	1.719
Section Modulus: Sxe (in^3)	0.544
Local Buckling Allowable Moment:Mal (in-k)	10.75
Distortional Buckling Allowable Moment: Mad (in-k)	8.50
Allowable strong axis shear away from punch: Vag (lb)	1415
Allowable strong axis shear at punch: Vanet (lb)	1240

(check web crippling)

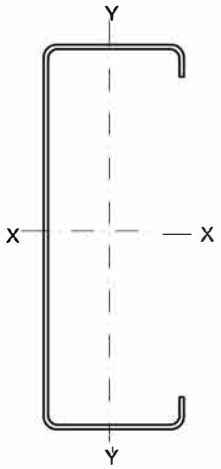
TORSIONAL SECTION PROPERTIES	
St. Venant Torsional Constant: Jx1000 (in^4)	0.261
Torsional Warping Constant: Cw (in^6)	0.379
Shear Center to Centroid on Principal X-axis: Xo (in)	-0.598
Radius of Gyration on the Centroid Principal axis: Ro (in)	2.284

PRODUCT ID

600S 125-43(6x1¼x18ga)

CODES & STANDARDS

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



See Hermes/Hephaistos Technical Manual for complete design data

Phone: (718) 482-0800
Email: info@hermeshardware.com
Address: 24-02 37th Ave, LIC, NY 11101