PRODUCT SUBMITTAL SHEET

For more information or questions, please contact:
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362S125-18 (Standard Punch)

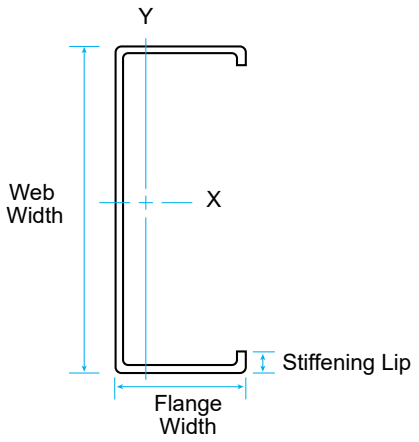
Product Line: 362NS125-18 Nitro Stud 25GA (18 mil)

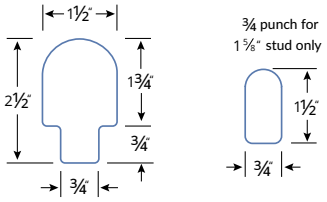
Coating: G40 (standard), G60 (Available)

Specification Section: 09.22.16 (Non-Structural Metal Framing)

GEOMETRIC PROPERTIES			
Web Depth	3.625 in.	Yield Strength, Fy	33 ksi
Flange Width	1.25 in.	Design Thickness	0.0188 in.
Lip Length	.250 in.	Min. Steel Thickness	0.0179 in.

GROSS PROPERTIES		
Area (in^2)	Total cross-sectional steel area	0.121
Weight (lb/ft)	Linear weight per foot	0.41
Ix (in^4)	Moment of inertia about the x-axis	0.2433
Sx (in^3)	Section modulus about the x-axis	0.1347
Rx (in)	Radius of gyration about the x-axis	1.4156
Iy (in^4)	Moment of inertia about the y-axis	0.0208
Ry (in)	Radius of gyration about the y-axis	0.414
EFFECTIVE PROPERTIES		
Ixe (in^3)	Effective moment of inertia (x-axis)	0.2004
Sxe (in^3)	Effective section modulus (x-axis)	0.0965
Ma (in-k)	Allowable moment capacity	1.593
Va_g (lb)	Allowable shear force in web	258
Vanet (lb)	Net allowable shear	211
TORSIONAL PROPERTIES		
J x 1000 (in^4)	St. Venant torsional constant	0.014
Cw (in^6)	Warping constant	0.555
Xo (in)	Distance from shear center to centroid	0-7346
Ro (in)	Polar radius of gyration	1.6477
Beta	Torsional Flexural Constant	0.8012





Non-structural punchout first punchout is centered 12" from beginning of member; subsequent punchouts are 24" on center (o.c.). Center of last punchout is no less than 12" from end of member.

Codes & Standards:

- **UL Designs**
  - U411, U412, U419, U420, U425, U435, U451, U465, UL 263, CIKVR38201, CIKV7.R38201
- **Tested In Accordance With**
  - ASTM E119; ANSI/UL 263
- **Nonstructural Members**
  - AISI S220
  - ASTM C645
  - ASTM C754
- **Material Standards**
  - ASTM A1003/A1003M
  - ASTM A653/A653M
- **Design Standards**
  - AISI S100-16 (2020) w/S2-20
- **Building Codes**
  - International Building Code (IBC) 2006–2024
- **Sustainability & Compliance:**
  - SFIA Quality Certified Manufacturing
  - Industry-Wide EPD Participant
  - HPD Documentation Available Upon Request
  - LEED Documentation Available Upon Request
  - Buy America / Build America (BABA) Documentation Available Upon Request
  - Manufactured in USA

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