**Product category:** S162 (1-5/8" Flange Structural Stud)  
**Product name:** 362S162-54 (50ksi, CP60) P - Punched  
54mils (16ga)  
Coating: CP60 per ASTM C955  
Color coding: Green  

**Geometric Properties**  
- **Web depth:** 3.625 in  
- **Flange width:** 1.625 in  
- **Stiffening lip:** 0.500 in  
- **Design thickness:** 0.0566 in  
- **Yield strength, Fy:** 50 ksi  
- **Ultimate, Fu:** 65.0 ksi  

**Gross Section Properties of Full Section, Strong Axis**  
- Cross sectional area (A): 0.422 in$^2$  
- Member weight per foot of length: 1.44 lb/ft  
- Moment of inertia (Ix): 0.873 in$^4$  
- Section modulus (Sx): 0.482 in$^3$  
- Radius of gyration (Rx): 1.438 in  
- Gross moment of inertia (Iy): 0.154 in$^4$  
- Gross radius of gyration (Ry): 0.605 in  

**Effective Section Properties, Strong Axis**  
- Effective Area (Ae): 0.296 in$^2$  
- Moment of inertia for deflection (Ix): 0.873 in$^4$  
- Section modulus (Sx): 0.444 in$^3$  
- Allowable bending moment (Ma): 13.28 in-k  
- Allowable moment based on distortion buckling (Mad): 13.60 in-k  
- Allowable shear force in web (solid section): 3372 lb  
- Unbraced length (Lu): 34.4 in  

**Torsional Properties**  
- St. Venant torsion constant (J x 1000): 0.451 in$^4$  
- Warping constant (Cw): 0.457 in$^6$  
- Distance from shear center to neutral axis (Xo): -1.283 in  
- Radii of gyration (Ro): 2.020 in  
- Torsional flexural constant (Beta): 0.597  

**ASTM & Code Standards:**  
- AISI North American Specification [NASPEC] S100-12  
- Sheet steel meets or exceeds chemical requirements of ASTM A1003  
- ClarkDietrich's structural and nonstructural framing comply with the SFIA Code Compliance Certification Program, ICC-ES ESR-1166P and Intertek CCRR-0206  
- For installation & storage information refer to ASTM C1007  
- SDS & Product Certification Information is available at itools.clarkdietrich.com  

**Sustainability Credits:**  
For more details and LEED letters contact Technical Services at 888-437-3244 or visit www.clarkdietrich.com/LEED 
LEED v4 MR Credit -- Building Product Disclosure and Optimization: EPD (1 point) - Sourcing of Raw Materials (1 point) - Material Ingredients (1 point) - Construction and Demolition Waste Management (up to 2 points) - Innovation Credit (up to 2 points), 
LEED 2009 Credit MR 2 & MR 4 -- ClarkDietrich's steel products are 100% recyclable and have a national average recycled content of 34.2% (19.8% post-consumer and 14.4% pre-consumer). If seeking a higher number to meet Credit MR 5, please contact us at (info@clarkdietrich.com / 888-437-3244)  

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**Project Information**  
Name:  
Address:  

**Contractor Information**  
Name:  
Contact:  
Phone:  
Fax:  

**Architect Information**  
Name:  
Contact:  
Phone:  
Fax:  

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