

Product Submittal Sheet

Technical Services: 888-437-3244 Engineering Services: 877-832-3206 Sales: 800-543-7140 clarkdietrich.com

Moment of inertia for deflection (ixe) 0.341 in Moment of inertia for deflection (iye*) 1.050 in ⁴ Section modulus (Sxe) 1.814 in ³ Section modulus (Sye*) 0.498 in ³ Allowable bending moment (Max - Local) 54.31 in-k Allowable bending moment (May - Local*) 14.90 in-k Allowable bending moment (Max - Distortional) 48.22 in-k Allowable bending moment (May - Distortional*) 12.15 in-k Allowable shear force in web (Vax) 2091 lb Torsional Properties 0.942 in ⁴ St. Venant torsion constant (J x 1000) 0.942 in ⁴	Product category:		PRO300 (3" flange RedHeader PRO) As Header			05.40.00 (Cold-Formed Metal Framing)	
Geometric Properties Web depth 8.000 in Design thickness 0.0566 in Flange width 3.000 in Min. steel thickness 0.0538 in Sitfening lip 1.000 in Yield strength, Fy 50 ksi Gross Section Properties of Full Section, Strong Axis Kember weight per foot of length 0.082 in ² Member weight per foot of length 3.00 lb/ft Member weight per foot of length 3.00 lb/ft Section modulus (Sx) 2.198 in ³ Radius of gyration (Rx) 3.158 in Gross section modulus (Sy) 0.554 in ³ Gross section modulus (Sy) 0.554 in ³ Gross section modulus (Sy) 0.554 in ³ Gross section modulus (Sy) 0.498 in ³ Section modulus (Sye*) 0.498 in ³ Allowable bending moment (Max - Local) 54.31 in-k Allowable bending moment (Max - Distortional) 42.22 in-k Allowable bending moment (Max - Distortional) 42.22 in-k Allowable bending moment (Max - Distortional*) 12.15 in-k Allowable bending moment (Max - Distortional*) 12.35 in-k Distance from shear center to neutral axis (Xo) -2.3226 in	Product name	:			•		
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AISI S100-12 and S100-07 w/S2-10 supplements							

- AISI S100-12 and S100-07 w/S2-10 supplements
- · Effective properties incorporate the strength increase from cold work of forming
- Structural framing is produced to meet or exceed ASTM C955
- Sheet steel meets or exceeds mechanical and chemical requirements of ASTM A1003
- · SDS & Product Certification Information is available at www.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 -- Clark Dietrich'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)

Project Information Name: Name: Address: Contact: Phone: Fax:

Contractor Information

Architect Information Name: Contact: Phone: Fax: