

Product Submittal Sheet

05.40.00 (Cold-Formed Metal Framing)

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

TradeReady® Floor Joist

Product category10" x 2" Flange 14ga TradeReady JoistProduct name1000TDW200-68 (50ksi) - Punched	Finish: C	CP60	oist
Geometric PropertiesWeb depth:10.000 inKnock Out Shape: EllipseFlange width:2.000 inKnock Out Height:6-1/4"Stiffening lip:0.625 inKnock Out Width:9"Small Hole Dia.:1-11/32"	Design thickness: Min. steel thickness: Yield stress, Fy: Ultimate, Fu:	0.0713 in 0.0677 in 50ksi 65 ksi	LadeReady [®] Floor Joist
Gross Section Properties of Full Section Cross sectional area (A) Member weight per foot of length Moment of inertia (Ix) Radius of gyration (Rx) Gross moment of inertia (Iy) Gross radius of gyration (Ry)	1.049 in(^2) 3.432 lbs/ft 13.99 in(^4) 3.652 in 0.460 in(^4) 0.662 in		TradeRe
Net Section Properties (at knockout) Cross sectional area (A) Moment of inertia (Ix) Radius of gyration (Rx) Gross moment of inertia (Iy) Gross radius of gyration (Ry)	0.659 in(^2) 13.11 in(^4) 4.461 in 0.335 in(^4) 0.714 in		
Allowable Capacities Fully Braced Allowable Moment at Knockout (Ma-kno) Fully Braced Allowable Moment at Full Section (Ma-full) Allowable Shear at Knockout (Va-kno) Allowable Shear at Full Section (Va-full)	66,582 in-lbs 72,416 in-lbs 2,282 lbs 3,346 lbs		GROSS SECTION
Torsional Section Properties Distance between centroid and shear-center (Xo) Distance between centroid and web-centerline (X) St. Venant torsional constant (J*1000) Torsional warping constant (Cw) Radii of gyration (Ro) Torsional flexural constant (Beta)	-1.120 in 0.391 in 1.776 (in^4) 9.397 (in^6) 3.877 in 0.917		HL 0.6875 KNOCKOUT DEPTH
Effective Section Properties Moment of inertia (Ix) Section modulus (Sx) ASTM & Code Standards:	13.66 (in^4) 2.419 (in^3)		0.625
 AISI North American Specification [NASPEC] 2004 Structural framing is produced to meet or exceed ASTM C955 Shoot steel meets or exceeds mechanical and chamical require 	oments of ASTM A1002		HB

- Sheet steel meets or exceeds mechanical and chemical requirements of ASTM A1003
- SDS & Product Certification Information is available at www.clarkdietrich.com/SupportDocs
- U.S. Patent Nos. 6,301,854; 6,691,478; 6,418,694; 6,691,487; 6,761,005; 7,240,459
- Canadian Patent No. 2319346, Mexican Patent No. 243294

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)

Project Information	Contractor Information	Architect Information
Name:	Name:	Name:
Address:	Contact:	Contact:
	Phone:	Phone:
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