

Product Submittal Sheet

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

Product category:		PRO300 (3" flange RedHeader PRO) As Header 800PRO300-97 (50ksi, CP60) - Unpunched				05.40.00 (Cold-Formed Metal Framing)	
Product nam	ie:	800PRO3 97mils (1)	•		•	0 [™] Header	
		9711IIS (1.	zya)	Coating:	CP60 per ASTM C955	p	
Geometric P	ropertie	es				e o	
Web depth 8.000 in Design thickness				nickness	0.1017 in	I	
Flange width	3.000		Min. steel thickness		0.0966 in	2	
Stiffening lip	1.000				50 ksi		
5 1				0 / 1		Y A	
Gross Sectio	n Prope	erties of F	-ull Sec	ction, Stro	ng Axis		
					1.550 in ²		
Member weight per foot of length					5.28 lb/ft		
Moment of inertia (Ix)					15.155 in ⁴		
Section modulus (Sx)					3.789 in ³	RedHeader	
Radius of gyration (Rx)					3.127 in	I	
Gross moment of inertia (Iy)					1.923 in ⁴	x t	
Gross section modulus (Sy)					0.929 in ³	8	
Gross radius of gyration (Ry)					1.114 in		
Effective Section Properties, Strong Axis					• Replaces lay-in and boxed headers.		
Moment of inertia for deflection (Ixe)					15.152 in ⁴	 Reduces material pieces, weight & screws. 	
Moment of inertia for deflection (Iye*)					1.915 in^4	 Insulation installs quicker. 	
Section modulus (Sxe)					3.739 in ³	inculation inclaine quickern	
Section modulus (Sye*)					0.929 in ³		
Allowable bending moment (Max - Local)					123.55 in-k		
Allowable bending moment (May - Local*)					32.05 in-k	Ordering Information:	
Allowable bending moment (Max - Distortional)				al)	104.18 in-k	Header lengths should be ordered ½" shorter to fit inside	
Allowable bending moment (May - Distortional*)				al*)	25.53 in-k	HDSC Header Brackets.	
Allowable shear force in web (Vax)					10885 lb	(Header length = inside of jamb to inside of jamb - $\frac{1}{2}$ ")	
Corcional Dr	onortio	_				HDSC Header Bracket profile data:	
Torsional Properties					See HDSC Header Bracket submittal sheet for allowable		
St. Venant torsion constant (J x 1000) Warping constant (Cw)					5.345 in⁴ 27.132 in ⁶	clip loads. All headers require the attachment of the	
Distance from shear center to neutral axis (Xo)				(0)	-2.271 in	HDSC Clip at each end with headers installed leg up.	
Radii of gyration (Ro)				.0)	4.022 in		
Torsional flexural constant (Beta)					0.681		
Section Property	-	citivo momont :	with the ret		ossion		
lye, Sye, and May (Installing the head				um iips in compi	25510[1.		
ASTM & Code St							
AISI S100-12 and				om oold	armina		
Effective propertie					oming		

- 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 -- 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 Name: Name: Address: Contact: Phone: Fax:

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Architect Information

Name:

Contact:

Phone:

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