

Product Submittal Sheet

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

Product category:	Product category: S200 (2" Flange Structural Stud)		05.40.00 (Cold-Formed Metal Framing)		
Product name:	362S200-43 (33ksi		nched	Y	
	43mils (18ga)	Coating: Color coding:	CP60 per ASTM C955 Yellow		
Geometric Propertie	es	-		5	
Web depth 3.625				Stud	
Flange width 2.000		vidth	1.50 in	J J J J J J J J J J J J J J J J J J J	
Stiffening lip 0.625	5 in Punchout le	ength	4.00 in		
Design thickness 0.045	51 in Min. steel t	hickness	0.0428 in		
Yield strength, Fy 33 ks	si Fy with Col	d-Work, Fya	33.0 ksi	5	
Ultimate, Fu 45.0	ksi				
Gross Section Properties of Full Section, Strong Axis					
Cross sectional area (A)		ion, ou ong ,	0.385 in ²	(t)	
Member weight per foot of length			1.31 lb/ft		
Moment of inertia (Ix)			0.836 in ⁴		
Section modulus (Sx)			0.461 in ³	FLANGE WIDTH	
Radius of gyration (Rx)	<i>4</i> \		1.474 in		
Gross moment of inertia Gross radius of gyration			0.227 in⁴ 0.767 in	Used in framing applications:	
				 Load-bearing walls 	
Effective Section Pr	operties, Strong /	Axis	0.000 :=2	Curtain walls	
Effective Area (Ae) Moment of inertia for defl	lection (Ix)		0.283 in ² 0.836 in ⁴	Tall interior walls	
Section modulus (Sx)			0.427 in ³	 Floor & ceiling joists 	
Allowable bending mome	ent (Ma)		8.43 in-k		
Allowable moment based on distortion buckling (Mad)			8.70 in-k	• Trusses	
Allowable shear force in web (solid section)			1739 lb		
Allowable shear force in web (perforated section) Unbraced length (Lu)			676 lb 53.5 in		
Torsional Properties					
St. Venant torsion constant (J x 1000)			0.261 in⁴ 0.734 in ⁶	4	
Warping constant (Cw) Distance from shear center to neutral axis (Xo)			-1.729 in	6	
Distance between shear center and web centerline (m)			1.024 in		
Radii of gyration (Ro)			2.398 in		
Torsional flexural constant (Beta)			0.480	1.5"	
ASTM & Code Star	ndards:			Structural	
AISI North American Specification [NASPEC] S100-12				Punchout	
 * Effective properties incorporate the strength increase from the cold work of forming 			East market punchout spacing:		
 Gross properties are based on the cross section away from the punchouts Structural framing is produced to meet or exceed ASTM C955 			12" from lead end then 24" o.c.		
Sheet steel meets or exceeds mechanical and chemical requirements of ASTM A1003			West market punchout spacing:		
ClarkDietrich's structural and nonstructural framing comply with the SFIA Code Compliance				24" from lead end then 24" o.c.	
Certification Program, ICC-ES ESR-1166P and Intertek CCRR-0206 • For installation & storage information refer to ASTM C1007					
SDS & Product Certificatio			etrich.com		
Sustainability Credits:					
For more details and LEED le			37-3244 or visit www.clarkdiet		
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).					
Demonition waste wanagement	$(up \ (u \ge pu)) = 11110vall011$	racial (up to 2 point)	10 <i>j</i> .		

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:
	Fax:	Fax: