

## **Product Submittal Sheet**

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

					05.44			
Product catego Product name:		S300 (3" Flange Structural Stud) 600S300-33 (33ksi, CP60) P - Punched				05.40.00 (Cold-Formed Metal Framing)		
Product name:								
	3311	0	-	CP60 per ASTM C955		U U		
		Color	coaing:	White				
<b>Geometric Prop</b>	-						Stud	
Web depth	6.000 in	Dura da a set su i ditta		4.50		m	it	
Flange width Stiffening lip	3.000 in	Punchout width		1.50 in 4.00 in			S	
Design thickness	0.625 in 0.0346 in	Punchout length Min. steel thickness	<b>c</b>	4.00 m 0.0329 in			ອ	
Yield strength, Fy	33 ksi	Fy with Cold-Work,		33.0 ksi		Xo	L L	
Ultimate, Fu	45.0 ksi		гуа	55.0 KS			ct	
Gross Section I	Properties	of Full Section, St	rong	Avic			Structural	
Cross sectional are		or run section, st	iong /	0.448 in <sup>2</sup>		(t)	S	
Member weight per foot of length				1.52 lb/ft				
Moment of inertia (Ix)				2.691 in <sup>4</sup>		Y e		
Section modulus (Šx)				0.897 in <sup>3</sup>		FLANGE -		
Radius of gyration (Rx)				2.451 in				
Gross moment of inertia (Iy) Gross radius of gyration (Ry)				0.552 in⁴ 1.109 in	Used	Used in framing applications:		
0,					• Loa	d-bearing walls		
Effective Area (Ae)		es, Strong Axis		0.209 in <sup>2</sup>		Curtain walls		
Moment of inertia for deflection (Ix) Section modulus (Sx)				2.493 in <sup>4</sup> 0.663 in <sup>3</sup>		• Tall interior walls		
Allowable bending moment (Ma)				13.10 in-k	• Floo	<ul> <li>Floor &amp; ceiling joists</li> </ul>		
Allowable moment based on distortion buckling (Mad)				11.62 in-k	• Trus	sses		
Allowable shear force in web (solid section)				638 lb				
Allowable shear force in web (perforated section)				638 lb				
ClarkDietrich Technical Se	et the requirements ervices @ 888-437	of AISI North American Specifi -3244 for design solutions.	ications. Ir	73.1 in ncrease the thickness or contact		<b>4</b>		
Torsional Prop		4000)		0.470 :=4		4		
St. Venant torsion constant (J x 1000) Warping constant (Cw)				0.179 in⁴ 4.086 in <sup>6</sup>		ů,		
Distance from shear center to neutral axis (Xo)				-2.326 in				
Distance between shear center and web centerline (m)			)	1.386 in		4		
Radii of gyration (F	( )		3.556 in		1.5"			
Torsional flexural constant (Beta)				0.572		Structural		
ASTM & Code	Standard	s:				Punchout		
AISI North American Specification [NASPEC] S100-12						East market punchout spacir	ng:	
<ul> <li>* Effective properties incorporate the strength increase from the cold work of forming</li> <li>Gross properties are based on the cross section away from the punchouts</li> </ul>						12" from lead end then 24" o	.C.	
Structural framing is produced to meet or exceed ASTM C955						West market punchout spacir	na.	
Sheet steel meets or exceeds mechanical and chemical requirements of ASTM A1003						24" from lead end then 24" o		
		tructural framing comply v R-1166P and Intertek CCF		•				
<ul> <li>For installation &amp; ste</li> </ul>	orage information	on refer to ASTM C1007 nation is available at itools						
Sustainability Cred		10013		<u>stricti.com</u>				
For more details and	LEED letters co			37-3244 or visit www.clark				
		Disclosure and Optimization: E points) - Innovation Credit (up			s (1 point) - Mate	rial Ingredients (1 point) - Constructio	on and	
LEED 2009 Credit MR 2	2 & MR 4 Clark	Dietrich's steel products are 1	100% rec	yclable and have a national ave		ntent of 34.2% (19.8% post-consume	r and	
14.4% pre-consumer). 1	n seeking a nighe		o, piease	contact us at (info@clarkdietric	n.com / 000-437-	·›Հ+++)		
	Project Information Contractor In			ormation		ect Information		
Name: Address:		Name: Contact:			Name: Contact:			
AUUI000.		Phone:			Phone:			
		Fax:			Fax:			
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