

## **Product Submittal Sheet**

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

Product category:		S250 (2-1/2" Flange Structural Stud)			05.40.00 (Cold-Formed Metal Framing
Product name:		925S2	250-97 (50ksi, CP60) P - F	Punched	Y
		97mils	s (12ga) Coatin	g: CP60 per ASTM C955	
			Color codin	÷ .	
Geometric Pro	pertie	s		0	
Web depth	9.250				
Flange width	2.500		Punchout width	1.50 in	<b>7</b>
Stiffening lip	0.625 in		Punchout length	4.00 in	H sc cg
Design thickness	0.1017		Min. steel thickness	0.0966 in	
Yield strength, Fy			Fy with Cold-Work, Fya		
Jltimate, Fu	65.0 k		· , · · · · · · · · · · · · · · ·		<u>t</u>
Cross Section I	Drono	tion o	of Full Section, Strong	n Avia	
		rties o	-	(t)	
Cross sectional are Member weight pe		flonath		1.499 in <sup>2</sup> 5.10 lb/ft	
		liengui		18.096 in <sup>4</sup>	
Moment of inertia (Ix) Section modulus (Sx)				3.913 in <sup>3</sup>	
Radius of gyration				3.474 in	WIDTH
Gross moment of inertia (Iy) Gross radius of gyration (Ry)				1.051 in⁴ 0.837 in	Used in framing applications:
GIUSS TAULUS OF GYI	ration (r	<b>\y</b> )		0.037 111	Load-bearing walls
Effective Section Properties, Strong Axis					Curtain walls
Effective Area (Ae)				0.847 in <sup>2</sup>	Tall interior walls
Moment of inertia for deflection (Ix)				18.091 in⁴ 3.769 in³	
Section modulus (Sx) Allowable bending moment (Ma)				126.75 in-k	<ul> <li>Floor &amp; ceiling joists</li> </ul>
			ortion buckling (Mad)	102.00 in-k	Trusses
Allowable shear for				10710 lb	
Allowable shear for		veb (per	forated section)	7061 lb	
Unbraced length (L	_u)			48.7 in	
Torsional Prop	erties				
St. Venant torsion			000)	* <b>+</b>	
Warping constant (			,	5.170 in⁴ 18.137 in <sup>6</sup>	
Distance from shear center to neutral axis (Xo)				-1.507 in	×.
		enter a	nd web centerline (m)	0.956 in	
Radii of gyration (F				3.878 in	
Torsional flexural o	constant	t (Beta)		0.849	1.5"
ASTM & Code Standards:					Structural
AISI North America	•	-	Punchout		
<ul> <li>* Effective propertie</li> <li>Gross properties ar</li> </ul>			East market punchout spacing:		
<ul> <li>Structural framing is</li> </ul>			12" from lead end then 24" o.c.		
<ul> <li>Sheet steel meets or exceeds mechanical and chemical requirements of ASTM A1003</li> <li>ClarkDietrich's structural and nonstructural framing comply with the SFIA Code Compliance</li> </ul>					West market punchout spacing:
<ul> <li>ClarkDietrich's structure</li> <li>Certification Program</li> </ul>			24" from lead end then 24" o.c.		
<ul> <li>For installation &amp; st</li> </ul>					
			ation is available at itools.clark	dietrich.com	
Sustainability Cred	its:				
For more details and	LEED let			8-437-3244 or visit www.clarkdie	
			sclosure and Optimization: EPD ( bints) - Innovation Credit (up to 2 p		(1 point) - Material Ingredients (1 point) - Construction and
					ge recycled content of 34.2% (19.8% post-consumer and
14.4% pre-consumer). I	If seeking	a higher	number to meet Credit MR 5, plea	ase contact us at (info@clarkdietrich.o	com / 888-437-3244)

Project Information	<b>Contractor Information</b>	Architect Information
Name:	Name:	Name:
Address:	Contact:	Contact:
	Phone:	Phone:
	Fax:	Fax:

