

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	7
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 ² 5.10 lb/ft	
		liengui		18.096 in ⁴	
Moment of inertia (Ix) Section modulus (Sx)				3.913 in ³	
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	\y)		0.037 111	Load-bearing walls
Effective Section Properties, Strong Axis					Curtain walls
Effective Area (Ae)				0.847 in ²	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	 Floor & ceiling joists
			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)	* +	
Warping constant (,	5.170 in⁴ 18.137 in ⁶	
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		
 * Effective propertie Gross properties ar 			East market punchout spacing:		
 Structural framing is 			12" from lead end then 24" o.c.		
 Sheet steel meets or exceeds mechanical and chemical requirements of ASTM A1003 ClarkDietrich's structural and nonstructural framing comply with the SFIA Code Compliance 					West market punchout spacing:
 ClarkDietrich's structure Certification Program 			24" from lead end then 24" o.c.		
 For installation & st 					
			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	Contractor Information	Architect Information
Name:	Name:	Name:
Address:	Contact:	Contact:
	Phone:	Phone:
	Fax:	Fax:

