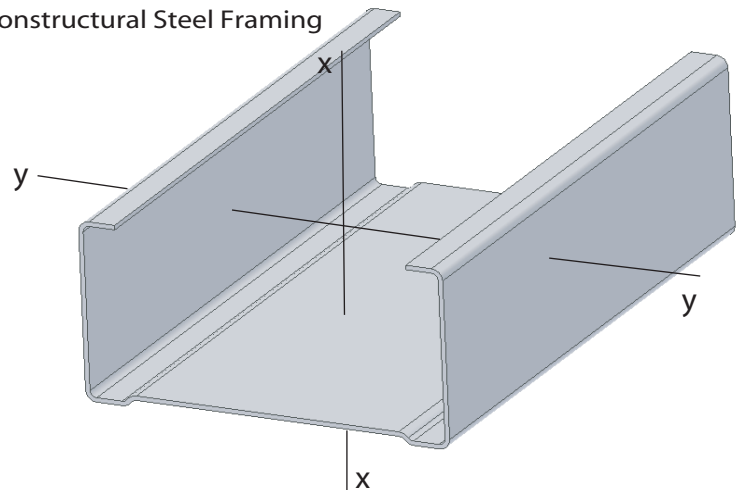




Product Specification Sheet/Product Submittal Sheet

Drywall Stud 2-1/2" 20gauge Metal Studs
 Product Description: 212S125-30
 Web Width: 2-1/2" (2.500")
 Flange Height: 1-1/4" (1.250")
 Gauge: 20 gauge
 Design Thickness: .0297"
 Inside Corner Radii: .0843
 Strengthening Lip: 1/4" (.250")
 Yield Strength: 33 ksi

Conforms to: ASTM A653-11 Standard Specification for Steel Sheet, Zinc-Coated (Galvanized or Zinc-Iron Alloy- Coated (Galvannealed) by the Hot-Dipped Process
 and
 ASTM C645-11a Standard Specification for Nonstructural Steel Framing Members



PHYSICAL STRUCTURAL PROPERTIES										
Metal Stud	Weight (lbs./ft.)	Cross Section Area (sq.in.)	ABOUT MAJOR AXIS					ABOUT MINOR AXIS		
			 X (in.)	I _x (in. ⁴)	S _x (in. ³)	R _x (in.)	MR (in.-lbs.)	I _y (in. ⁴)	S _y (in. ³)	R _y (in.)
2-1/2" DWS										
20 gauge (.0312")	0.730	0.178	0.423	0.186	0.149	1.020	2950	0.036	0.043	0.45
22 gauge (.0283")	0.594	0.145	0.423	0.153	0.122	1.030	2416	0.029	0.034	0.45
25 gauge (.0188")	0.397	0.097	0.421	0.103	0.082	1.030	1624	0.019	0.022	0.44

Limiting Heights Table										5 PSF
Based on 5 PSF Interior Pressure Differential										
WEB WIDTH	GAUGE	12" O.C.			16" O.C.			24" O.C.		
		L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360
2-1/2" (2.50")	20	17.00	13.50	11.80	15.40	12.50	10.50	13.50	10.70	9.30
	22	15.90	12.60	11.00	14.40	11.50	10.00	12.60	10.00	8.80
	25	13.90	11.00	9.70	12.70	10.00	8.80	11.00	8.80	7.70

Limiting Heights Table										10 PSF
Based on 10 PSF Interior Pressure Differential										
WEB WIDTH	GAUGE	12" O.C.			16" O.C.			24" O.C.		
		L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360
2-1/2" (2.50")	20	13.5	10.7	9.3	12.3	9.7	8.5	10.7	8.5	7.4
	22	12.6	10.0	8.4	11.5	9.2	7.5	10.0	7.9	6.5
	25	11.1	8.8	7.7	10.1	8.0	7.0	8.8	7.0	6.1