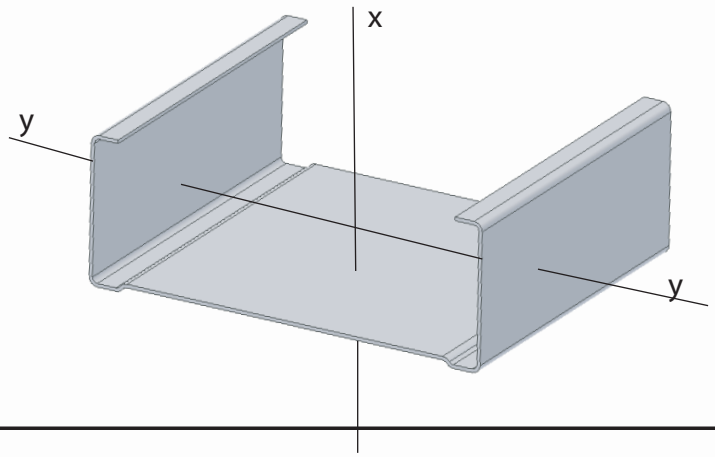
Product Specification Sheet/Product Submittal Sheet

Drywall Stud 3-5/8" 25 gauge Metal Studs

Product Description:	358S125-18
Web Width:	3-5/8" (3.625")
Flange Height:	1-1/4" (1.250")
Gauge:	25 gauge
Design Thickness:	.0187"
Inside Corner Radii:	.0845"
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 Steel Nonstructural Steel Framing Members



PHYSICAL STRUCTURAL PROPERTIES

Metal Stud 3-5/8" DWS	Weight (lbs./ft.)	Cross Section Area (sq.in.)	ABOUT MAJOR AXIS X (in.)	I_x (in.^{4})	S_x (in.^{3})	R_x (in.)	x M_R (in.-lbs.)	ABOUT MINOR AXIS		
20 gauge (.0312")	0.881	0.215	0.362	0.432	0.238	1.42	4712	0.049	0.054	0.48
22 gauge (.0283")	0.746	0.182	0.351	0.354	0.195	1.39	3861	0.033	0.036	0.43
25 gauge (.0188")	0.479	0.117	0.357	0.226	0.124	1.39	2455	0.022	0.024	0.43

Limiting Heights Table — Based on 5 PSF Interior Pressure Differential — 5 PSF

WEB WIDTH/ SIZE	GAUGE	12" O.C. L/120	12" O.C. L/240	12" O.C. L/360	16" O.C. L/120	16" O.C. L/240	16" O.C. L/360	24" O.C. L/120	24" O.C. L/240	24" O.C. L/360
3-5/8" DWS	20	22.40	17.80	15.50	20.40	16.20	14.20	17.80	14.20	12.30
	22	21.00	16.70	14.60	19.10	15.20	13.30	16.70	13.30	11.60
	25	18.10	14.30	12.60	16.40	13.00	11.40	14.30	11.40	10.00

Limiting Heights Table — Based on 10 PSF Interior Pressure Differential — 10 PSF

WEB WIDTH/ SIZE	GAUGE	12" O.C. L/120	12" O.C. L/240	12" O.C. L/360	16" O.C. L/120	16" O.C. L/240	16" O.C. L/360	24" O.C. L/120	24" O.C. L/240	24" O.C. L/360
3-5/8" DWS	20	17.8	13.8	12.3	16.2	12.8	11.2	14.2	11.2	9.8
	22	16.7	13.3	12.6	15.2	12.0	10.5	13.3	10.5	9.2
	25	14.3	11.4	10.0	13.1	10.4	9.1	11.4	9.1	7.5