



Product Specification and Submittal Form

OUTSIDE CORNER (OCS) 135° STUD

MANUFACTURER

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DESCRIPTION

OCS (Outside Corner) 135° Studs are made of galvanized steel and available in 22 gauge (27 mil) to 16 gauge (54 mil) thicknesses. They have two 2" faces bent to 135° inside angle, with 90° flanges of 1.25" (or 1.625" for 18 & 16 gauge) and 90° lip returns of 0.30" for stiffness.

MATERIALS

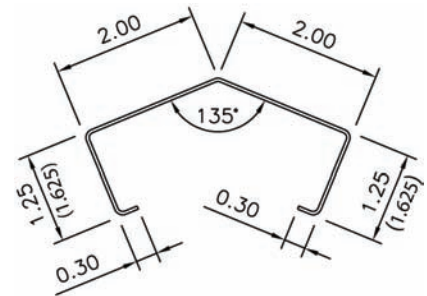
Outside Corner Studs sections are fabricated from hot dipped galvanized steel conforming to ASTM A653 -02a or equal.

ASTM & Code Standards

- AISI, North American Specification for the Design of Cold-Formed Steel Structural Members 2001 Edition with 2004 Supplement
- ASTM A370, Standard Test Methods and Definitions for Mechanical Testing of Steel Products
- ASTM A1003, Standard Specification for Sheet Steel, Carbon, Metallic and Non-Metallic Coating for Cold-Formed Framing Members.
- Steeler's structural framing comply with 2006 International Building Code (IBC- 2006)
- ASTM C955, Standard Specification for Structural Steel Framing Members.
- ASTM C754, Standard Specification for Installation of Steel Framing Members to Receive Screw-Attached Gypsum Panel Products.
- ASTM C1513, Standard Specification for Steel Tapping Screws for Cold-Formed Steel Framing Connections.
- ASTM C645, Standard Specification for Nonstructural Steel Framing Members.

COLOR CODE

27 mil - Black
30 mil - Pink
33 mil - White
43 mil - Yellow
54 mil - Green
Painted on ends.



400 OCS 135-XX

GROSS PROPERTY TABLES--OUTSIDE 135° CORNER STUDS

MEMBER ID	GA	T, in	A, in ²	WT, plf	I _x , in ⁴	r _x , in	I _y , in ⁴	r _y , in
400 OCS 135-27	(22)	0.0283	0.1927	0.6553	0.0658	0.5841	0.3148	1.2781
400 OCS 135-30	(21)	0.0312	0.2121	0.7211	0.0720	0.5828	0.3457	1.2768
400 OCS 135-33	(20)	0.0346	0.2347	0.7979	0.0793	0.5813	0.3817	1.2753
400 OCS 135-43	(18)	0.0451	0.3038	1.0329	0.1011	0.5767	0.4906	1.2708
400 OCS 135-54	(16)	0.0566	0.3764	1.2799	0.1225	0.5705	0.6012	1.2637

EFFECTIVE PROPERTY TABLES

MEMBER Identification	FY=33 KSI			
	Maxo k-in	I _{xe} in ⁴	S _{xe(t)} in ³	S _{xe(b)} in ³
400 OCS 135-27	1.2120	0.06321	0.07458	0.06133
400 OCS 135-30	1.3488	0.07189	0.08721	0.06830
400 OCS 135-33	1.4865	0.07931	0.09640	0.07522
400 OCS 135-43	1.8953	0.10105	0.12302	0.09591
400 OCS 135-54	2.3072	0.12250	0.15014	0.11676

LIMITING HEIGHT TABLE

MEMBER Identification	5 PSF, L/120, FY=33 KSI		
	MEMBER HEIGHT, ft		
	12"OC	16"OC	24"OD
400 OCS 135-27	11.83	10.75	9.39
400 OCS 135-30	12.35	11.22	9.80
400 OCS 135-33	12.76	11.60	10.13
400 OCS 135-43	13.84	12.57	10.88
400 OCS 135-54	14.75	13.41	11.71