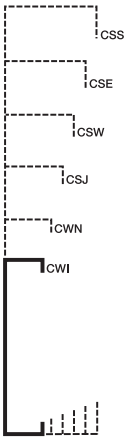
Light-gauge C-shaped framing members for axial load-bearing walls, curtain-walls, tall interior partitions, floor joists and roof truss assemblies.

C-Stud

- *Size (Web): 2-1/2", 3-1/2", 3-5/8", 4", 5-1/2", 6", 8", 10", 12", 14".*
- *Flange Sizes: 1-1/4", 1-3/8", 1-5/8", 2", 2-1/2", 3".*
- *Gauges: 20 (33 mils), 18 (43 mils), 16 (54 mils), 14 (68 mils) and 12 (97 mils).*
- *20 and 18-gauge are standard as 33 ksi yield strength. 16, 14, 12-gauge are standard as 50 ksi yield strength.*
- *Custom sizes, lengths and coatings available.*

Dietrich C-Studs are light-weight, cold-formed galvanized steel members used in axial load-bearing walls, curtain-walls, floor joists and roof truss framing. C-Studs are available in a wide array of sizes, flanges, gauges and yield strengths to obtain optimal performance at minimal costs.

One of the key differences between the various C-Stud/Joist framing members is the flange and return dimensions. The flange is typically the bearing surface for cladding materials and a key contributor to the load-bearing capacity of the member. Flange sizes include 1-1/4", 1-3/8", 1-5/8", 2", 2-1/2" and 3".



Dietrich CWI™ light-duty curtain-wall studs have a 1-1/4" flange and 1/4" return and are used to support the exterior skin in ultra-light applications. CWI studs are available only in the Pacific Northwest.

Dietrich CWN™ curtain-wall studs have a 1-3/8" flange and 1/2" return and are used to support the exterior skin or cladding material (metal, stone, tile, glass, etc.) and the wind loads to which they are subjected.

Dietrich CSJ™ studs/joist have a 1-5/8" flange and a 1/2" return and are considered the industry standard. CSJ members are the most widely used and specified framing members. They provide the vertical strength necessary for demanding load-bearing structural applications and sufficient strength for many joist applications.

Dietrich CSW™ wide studs/joist have a 2" wide flange and a 5/8" return that provides a larger bearing surface for attaching sub-flooring or sheathing materials. This framing member is also used in axial load-bearing wall assemblies.

Dietrich CSE™ extra-wide studs/joist have a 2-1/2" wide flange and a 5/8" return and are used in floor joist assemblies and heavy loading conditions.

Dietrich CSS™ super-wide studs/joist have a 3" flange and a 1" return and are used in very heavy loading and long spanning conditions.

NOTE: This catalog does not provide load data (load capacities, limiting heights, physical and structural properties and span data) necessary for building design. Assistance is available at www.dietrichmetalframing.com or by calling Dietrich Design Group at ***800-873-2443****.*

C-Studs (C-Series™)

DMF Product Code*	SSMA Reference	Thickness	Depth		Flange		Return	
		Gauge (mils)	Inches	mm	Inches	mm	Inches	mm
CWI3 (20 & 18 gauge) CWI5 (16 & 14 gauge)	250S125-x	20 (33), 18 (43), 16 (54), 14 (68)	2-1/2	63.5	1-1/4	31.8	1/4	6.4
	362S125-x		3-5/8	92.1	1-1/4	31.8	1/4	6.4
	600S125-x		6	152.4	1-1/4	31.8	1/4	6.4
	800S125-x		8	203.2	1-1/4	31.8	1/4	6.4
CWN3 (20 & 18 gauge) CWN5 (16 & 14 gauge)	250S137-x	20 (33), 18 (43), 16 (54), 14 (68)	2-1/2	63.5	1-3/8	34.9	3/8	9.5
	362S137-x		3-5/8	92.1	1-3/8	34.9	3/8	9.5
	400S137-x		4	101.6	1-3/8	34.9	3/8	9.5
	600S137-x		6	152.4	1-3/8	34.9	3/8	9.5
	800S137-x		8	203.2	1-3/8	34.9	3/8	9.5
CSJ3 (20 & 18 gauge) CSJ5 (16, 14 & 12 gauge)	250S162-x	20 (33), 18 (43), 16 (54), 14(68), 12 (97)	2-1/2	63.5	1-5/8	41.3	1/2	12.7
	350S162-x		3-1/2	88.9	1-5/8	41.3	1/2	12.7
	362S162-x		3-5/8	92.1	1-5/8	41.3	1/2	12.7
	400S162-x		4	101.6	1-5/8	41.3	1/2	12.7
	550S162-x		5-1/2	149.7	1-5/8	41.3	1/2	12.7
	600S162-x		6	152.4	1-5/8	41.3	1/2	12.7
	800S162-x		8	203.2	1-5/8	41.3	1/2	12.7
	1000S162-x		10	254.0	1-5/8	41.3	1/2	12.7
	1200S162-x		12	304.8	1-5/8	41.3	1/2	12.7
	1400S162-x		14	355.6	1-5/8	41.3	1/2	12.7
CSW3 (20 & 18 gauge) CSW5 (16, 14 & 12 gauge)	362S200-x	20 (33), 18 (43), 16 (54), 14(68), 12 (97)	3-5/8	92.1	2	50.8	5/8	15.9
	400S200-x		4	101.6	2	50.8	5/8	15.9
	600S200-x		6	152.4	2	50.8	5/8	15.9
	800S200-x		8	203.2	2	50.8	5/8	15.9
	1000S200-x		10	254.0	2	50.8	5/8	15.9
	1200S200-x		12	304.8	2	50.8	5/8	15.9
	1400S200-x		14	355.6	2	50.8	5/8	15.9
CSE3 (20 & 18 gauge) CSE5 (16, 14 & 12 gauge)	362S250-x	20 (33), 18 (43), 16 (54), 14(68), 12 (97)	3-5/8	92.1	2-1/2	63.5	5/8	15.9
	400S250-x		4	101.6	2-1/2	63.5	5/8	15.9
	600S250-x		6	152.4	2-1/2	63.5	5/8	15.9
	800S250-x		8	203.2	2-1/2	63.5	5/8	15.9
	1000S250-x		10	254.0	2-1/2	63.5	5/8	15.9
	1200S250-x		12	304.8	2-1/2	63.5	5/8	15.9
	1400S250-x		14	355.6	2-1/2	63.5	5/8	15.9
CSS3 (18 gauge) CSS5 (16, 14 & 12 gauge)	600S300-x	18 (43), 16 (54), 14 (68), 12 (97)	6	152.4	3	76.2	1	25.4
	800S300-x		8	203.2	3	76.2	1	25.4
	1000S300-x		10	254.0	3	76.2	1	25.4
	1200S300-x		12	304.8	3	76.2	1	25.4
	1400S300-x		14	355.6	3	76.2	1	25.4

*20 and 18-gauge are standard as 33 ksi yield strength. 16, 14, 12-gauge are standard as 50 ksi yield strength.
*CWI available in limited geographical areas
X= mil thickness identifier

For more information or to contact a sales representative, see page 3.