How to identify our products.

ClarkDietrich has adopted standard nomenclature established by the American Iron and Steel Institute (AISI) for identifying each of its products. Coding of each member consists of four parts, in this order:

- A number which identifies the web depth of the member to two decimal places. 600 = 6.00," 1000 = 10.00," 550 = 5.50," 362 = 3.625," etc.
- A letter that tells you the type of member, such as S = Stud/joist, T = Track, U = U-channel, and F = Furring channel.
- A number that defines the flange dimension in inches to two decimal places. 162 = 1.625," 200 = 2.00," 125 = 1.25," etc.
- A number following a hyphen that denotes the minimum delivered thickness in mils (33mils = 33/1000 inches which is approximately 0.0329"). Minimum delivered thickness is 95% of design thickness.

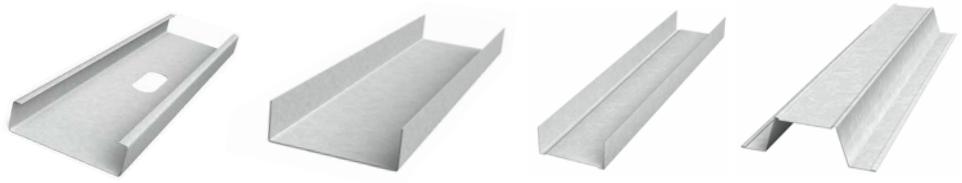
Product availability.

Most products manufactured by ClarkDietrich are readily available in all markets, but there can be exceptions. Please contact your ClarkDietrich Sales Representative to make sure the product you need is available in your market area.

Protective coatings.

Structural framing products are available with a variety of protective coatings that meet the CP60 coating protection level requirements of AISI S240. These coatings may include G60, A60, AZ50 or GF30, all of which satisfy the above referenced standards. CP90 coatings are an enhanced option that can be requested for highly corrosive environments. ClarkDietrich can supply a specific or enhanced coating to meet specific project requirements when requested. The buyer is solely responsible to assure that product is ordered to properly satisfy the applicable code or specification.

Example: 362S162-43 (33ksi, CP60) punched



S = Structural stud or joist T = Structural track U = CRC or U-channel F = Furring channel

362 S 162 – 43 (33ksi, CP60) Punched

Punching
Punched studs or joists will be supplied unless the customer indicates unpunched material is required at time of order. All track and channels are unpunched.

Protective Coating
Structural framing CP60 (G60, CP90 & G90 available)

Yield Strength (Fy)
33ksi or 50ksi steel (See note 3 below)

ClarkDietrich structural member depths, flanges & available thickness

Member depths	Flange widths range	Mils range	Gauge range
(250) 2-1/2"	1-3/8," 1-5/8," 2" & 2-1/2"	33–68	20–14 ga
(350) 3-1/2"	1-3/8," 1-5/8," 2" & 2-1/2"	33–68	20–14 ga
(362) 3-5/8"	1-3/8," 1-5/8," 2" & 2-1/2"	33–97	20–12 ga
(400) 4"	1-3/8," 1-5/8," 2" & 2-1/2"	33–97	20–12 ga
(550) 5-1/2"	1-5/8," 2" & 2-1/2"	33–97	20–12 ga
(600) 6"	1-3/8," 1-5/8," 2," 2-1/2" & 3"	33–97	20–12 ga
(800) 8"	1-3/8," 1-5/8," 2," 2-1/2" & 3"	33–97	20–12 ga
(925) 9-1/4"	1-5/8," 2" & 2-1/2"	43–97	18–12 ga
(1000) 10"	1-5/8," 2," 2-1/2" & 3"	43–97	18–12 ga
(1200) 12"	1-5/8," 2," 2-1/2" & 3"	54–97	16–12 ga
(1400) 14"	1-5/8," 2," 2-1/2" & 3"	54–97	16–12 ga

ClarkDietrich return lip dimensions

Member	Flange Width (in)	Lip Length (in)
S137 (1-3/8")	1.375	0.375 (3/8")
S162 (1-5/8")	1.625	0.500 (1/2")
S200 (2")	2.000	0.625 (5/8")
S250 (2-1/2")	2.500	0.625 (5/8")
S300 (3")	3.000	0.625 (5/8")

Old stud/track designations

Old designation	Type	Flange/leg
CWN	Stud	1-3/8"
CSJ	Stud	1-5/8"
CSW	Stud	2"
CSE	Stud	2-1/2"
CSS	Stud	3"
TSB	Track	1-1/4"
TSC	Track	2"
TSE	Track	3"

ClarkDietrich thickness identification and color coding

Designation thickness Mils (ga)	Minimum Thickness[1] (in)	Design Thickness[1] (in)	Design Inside Corner Radii[2] (in)	Color code
33 (20g)	0.0329	0.0346	0.0764	White
43 (18g)	0.0428	0.0451	0.0712	Yellow
54 (16g)	0.0538	0.0566	0.0849	Green
68 (14g)	0.0677	0.0713	0.1069	Orange
97 (12g)	0.0966	0.1017	0.1525	Red

[1] Minimum thickness represents 95% of the design thickness and is the minimum acceptable thickness delivered to the job site based on AISI S100-16 (2020) w/S2-20.

[2] The section properties are calculated based on inside corner radii listed in this table. The inside corner radius is the maximum of 3/32-t/2 or 1.5t, truncated after the 4th decimal place (t = design thickness.) Centerline bend radius is calculated by adding half of the design thickness to listed corner radius.

[3] 33mil (20ga) and 43mil (18ga) framing products are produced with 33ksi steel. 54mil (16ga), 68mil (14ga) and 97mil (12ga) products are produced with 50ksi steel unless otherwise noted.