

F - Member (Furring or Hat Channel)

DESCRIPTION

Hat Channel's are fabricated in 1/2", 7/8", 1-1/2" depth, from 25 gauge to 14 gauge steel. The Web size is 1-1/4". Length - 12'-0" and 20'-0". Special lengths are available.

MATERIALS

Hat Channel section is fabricated from **25TI to 14 gauge** hot-dipped galvanized steel.

COLOR CODE

Traditional	Elite
18 mil - Clear	25TI Gauge — Clear/White Stripe
24 mil - Brown	20TI Gauge — Clear/Red Stripe
27 mil - Black	30ED Gauge — Red and Blue
30 mil - Pink	33ES Gauge — Purple
33 mil - White	43ES Gauge — Brown
43 mil - Yellow	54ES Gauge — Light Blue
54 mil - Green	
68 mil - Orange	

ASTM & CODE STANDARDS

- IBC 2009/2012
 - AISI NASPEC 2007
 - Meets or exceeds:
 - ASTM C955 & ASTM C645
 - ASTM E119 & E90
 - ASTM A370
 - ASTM A1003
 - ASTM C1513 & A754
- Please reference Steeler ICC-ES Report ESR-2054 for further information. Available for download at www.steeler.com/technicalinfo.php

MANUFACTURER CONTACT INFORMATION

Seattle Plant | 10023 MLK Jr. Way S. Seattle, WA 98178 | P: 206-725-2500

Newark Plant | 6851 Smith Ave. Newark, CA 94560 | P: 510-505-9574

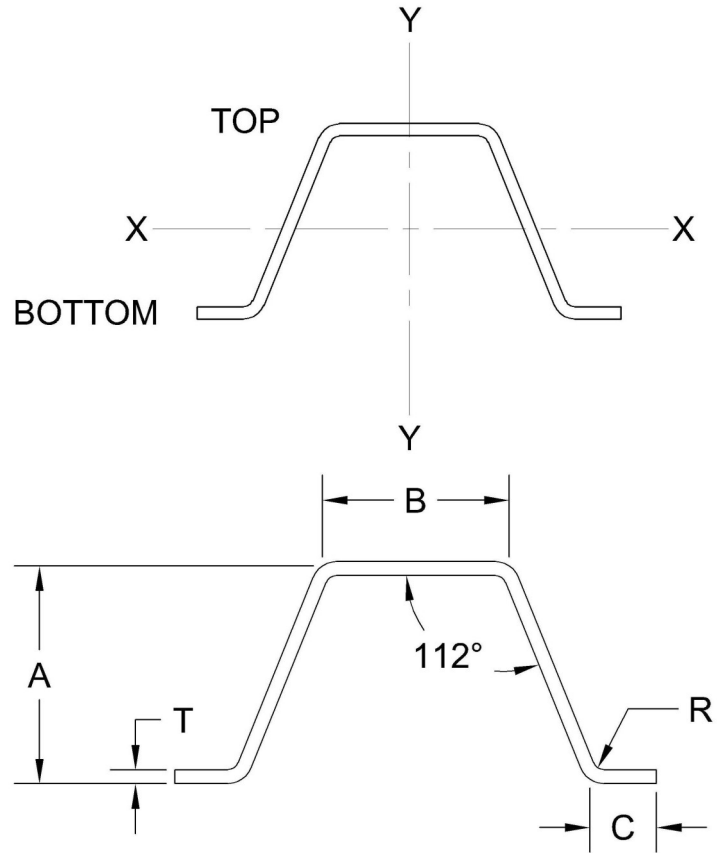


Table 1-F-Member (Furring or Hat Channel) Section Properties; Traditional Thickness Members

Member ID Designation	Dimensions in			Full Properties						Torsional			33 ksi Effective Properties					50 ksi Effective Properties				
	A	B	C	Area in ²	Wt. lb/ft	I _x in ⁴	r _x in	I _y in ⁴	r _y in	J 10 ⁻³ in ⁴	C _w in ⁶	r _o in	Ma(+) k-in	Ma(-) in ⁴	I _{xe} (+) in ⁴	S _{xe} (t) in ³	S _{xe} (b) in ³	Ma(+) k-in	Ma(-) in ⁴	I _{xe} (+) in ⁴	S _{xe} (t) in ³	S _{xe} (b) in ³
125 F050-030	0.50	1.25	0.45	0.095	0.324	0.004	0.205	0.049	0.717	0.031	0.000	0.833	0.314	0.314	0.004	0.018	0.014					
125 F050-033	0.50	1.25	0.45	0.105	0.358	0.004	0.204	0.054	0.715	0.042	0.504	0.830	0.346	0.346	0.004	0.020	0.016					
125 F050-043	0.50	1.25	0.45	0.136	0.461	0.005	0.199	0.068	0.708	0.092	0.001	0.820	0.437	0.437	0.005	0.024	0.020					
125 F050-054	0.50	1.25	0.45	0.167	0.569	0.006	0.195	0.082	0.701	0.178	0.001	0.808	0.526	0.526	0.006	0.028	0.023	0.782	0.782	0.006	0.028	0.023
125 F087-018	0.875	1.25	0.45	0.074	0.250	0.009	0.352	0.048	0.809	0.009	0.001	1.114	0.367	0.325	0.008	0.020	0.016					
125 F087-027	0.875	1.25	0.45	0.110	0.373	0.013	0.348	0.071	0.803	0.029	0.002	1.104	0.604	0.545	0.013	0.033	0.028					
125 F087-030	0.875	1.25	0.45	0.121	0.410	0.015	0.347	0.077	0.801	0.039	0.002	1.101	0.664	0.664	0.015	0.036	0.031					
125 F087-033	0.875	1.25	0.45	0.133	0.454	0.016	0.346	0.085	0.799	0.053	0.002	1.097	0.734	0.734	0.016	0.040	0.034					
125 F087-043	0.875	1.25	0.45	0.172	0.586	0.020	0.342	0.108	0.793	0.117	0.002	1.086	0.946	0.946	0.020	0.050	0.042					
125 F087-054	0.875	1.25	0.45	0.213	0.725	0.024	0.337	0.132	0.786	0.228	0.003	1.074	1.168	1.168	0.024	0.061	0.051	1.736	1.736	0.024	0.061	0.051
125 F087-068	0.875	1.25	0.45	0.263	0.896	0.029	0.331	0.159	0.777	0.446	0.003	1.057	1.435	1.435	0.029	0.072	0.061	2.125	2.125	0.029	0.072	0.061
125 F150-027	1.50	1.25	0.45	0.148	0.503	0.047	0.565	0.132	0.944	0.039	0.005	1.587	1.276	1.154	0.047	0.067	0.058					
125 F150-030	1.50	1.25	0.45	0.163	0.553	0.052	0.564	0.144	0.942	0.053	0.006	1.584	1.408	1.408	0.052	0.074	0.065					
125 F150-033	1.50	1.25	0.45	0.180	0.612	0.057	0.563	0.159	0.940	0.072	0.007	1.580	1.563	1.563	0.057	0.081	0.071					
125 F150-043	1.50	1.25	0.45	0.233	0.792	0.073	0.559	0.203	0.934	0.158	0.008	1.569	2.036	2.036	0.073	0.104	0.091					
125 F150-054	1.50	1.25	0.45	0.289	0.984	0.089	0.554	0.249	0.927	0.309	0.010	1.556	2.550	2.550	0.089	0.127	0.111	3.789	3.789	0.089	0.127	0.111
125 F150-068	1.50	1.25	0.45	0.360	1.223	0.108	0.547	0.303	0.918	0.609	0.011	1.540	3.193	3.193	0.108	0.154	0.135	4.727	4.727	0.108	0.154	0.135

For SI: 1 inch = 25.4 mm, 1 in² = 645 mm², 1 in³ = 1.64x10⁴ mm³, 1 in⁴ = 4.16x10⁵ mm⁴, 1 in⁶ = 2.69x10⁸ mm⁶, 1 kip-in = 113.3 N-m, 1 lb/ft = 14.6 N/m, 1 kip = 4.4 kN

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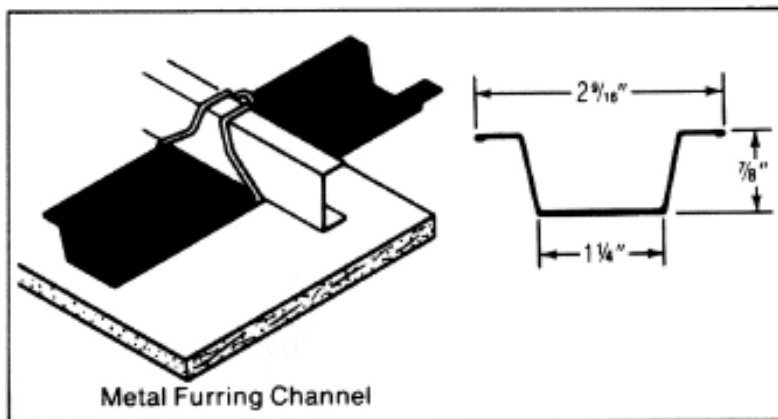
For CAD & BIM Drawings, Architectural Specifications and more, find Steeler on:



Table 2-F-Member (Furring or Hat Channel) Section Properties; Elite Members

Member ID Designation	Dimensions in			Full Properties						Torsional			50 ksi Effective Properties					57 ksi Effective Properties				
	A	B	C	Area in ²	Wt. lb/ft	I _x in ⁴	r _x in	I _y in ⁴	r _y in	J 10 ⁻³ in ⁴	C _w in ⁶	r _o in	M _a (+) k-in	M _a (-) in ⁴	I _{xe} (+) in ⁴	S _{xe} (t) in ³	S _{xe} (b) in ³	M _a (+) k-in	M _a (-) in ⁴	I _{xe} (+) in ⁴	S _{xe} (t) in ³	S _{xe} (b) in ³
125 F050-024	0.500	1.25	0.45	0.076	0.259	0.0033	0.209	0.0397	0.721	0.0155	0.0004	0.842	0.351	0.308	0.0031	0.013	0.010					
125 F087-024	0.875	1.25	0.45	0.096	0.327	0.0119	0.351	0.0625	0.806	0.0196	0.0014	1.110	0.726	0.656	0.0111	0.026	0.022					
125 F150-024	1.500	1.25	0.45	0.129	0.440	0.0415	0.567	0.1158	0.946	0.0263	0.0048	1.591	1.516	1.410	0.0391	0.054	0.047					
125 F050-30ED	0.500	1.25	0.45	0.073	0.247	0.0032	0.209	0.0379	0.722	0.0134	0.0004	0.843						0.379	0.320	0.0029	0.012	0.009
125 F087-30ED	0.875	1.25	0.45	0.092	0.312	0.0113	0.351	0.0596	0.807	0.0169	0.0014	1.111						0.781	0.686	0.0102	0.024	0.020
125 F150-30ED	1.500	1.25	0.45	0.123	0.419	0.0396	0.567	0.1104	0.947	0.0227	0.0046	1.592						1.628	1.486	0.0362	0.049	0.044
125 F050-33ES	0.500	1.25	0.45	0.091	0.308	0.0039	0.208	0.0469	0.719	0.0263	0.0005	0.838						0.474	0.433	0.0038	0.016	0.013
125 F087-33ES	0.875	1.25	0.45	0.115	0.390	0.0140	0.350	0.0740	0.804	0.0332	0.0017	1.107						0.988	0.919	0.0135	0.033	0.027
125 F150-33ES	1.500	1.25	0.45	0.154	0.524	0.0493	0.565	0.1372	0.944	0.0447	0.0057	1.587						2.070	1.963	0.0476	0.066	0.058

For SI: 1 inch = 25.4 mm, 1 in² = 645 mm², 1 in³ = 1.64x10⁴ mm³, 1 in⁴ = 4.16x10⁵ mm⁴, 1 in⁶ = 2.69x10⁶ mm⁶, 1 kip-in = 113.3 N-m, 1 lb/ft = 14.6 N/m, 1 kip = 4.4 kN



STEELER LEED® INFORMATION

LEED Credit MR 2: Steeler framing products are manufactured from cold-formed steel (CFS). CFS is 100% recyclable and therefore contributes significantly to LEED Credit MR 2. The specific contribution amounts will vary depending on the project and construction decisions.

LEED Credit MR 4: Steeler framing products contain a minimum of 26% post-consumer and 7% pre-consumer recycled steel content for a minimum of 33% recyclable. Recycled content of materials contributes to LEED Credits MR 4. If notified in advance, Steeler can order steel containing higher percentages of recycled content to meet your specific project needs. Contact Steeler technical services prior to ordering so we can help support your project goals.

