

Furring Channel (F-Sections)

Furring (HAT) Channel Section Properties											
Furring Member	Design Thickness (in)	Mils	Gross Properties					Effective Properties 33ksi			
			Area (in ²)	Weight (lbs/ft)	I _x (in ⁴)	R _x (in)	I _y (in ⁴)	R _y (in)	I _x (in ⁴)	S _x (in ³)	Ma (in-k)
087F125-15	0.0157	15	0.059	0.200	0.008	0.358	0.030	0.704	0.007	0.012	0.305
087F125-18	0.0188	18	0.070	0.239	0.009	0.356	0.035	0.710	0.009	0.016	0.032
087F125-23	0.0245	23	0.091	0.309	0.011	0.355	0.046	0.710	0.011	0.022	0.549
087F125-27	0.0283	27	0.105	0.036	0.013	0.353	0.053	0.710	0.013	0.027	0.537
087F125-30	0.0312	30	0.115	0.391	0.014	0.353	0.058	0.710	0.014	0.031	0.606
087F125-33	0.0346	33	0.127	0.432	0.016	0.351	0.064	0.710	0.016	0.034	0.665
087F125-43	0.0451	43	0.162	0.550	0.020	0.348	0.082	0.711	0.020	0.042	0.830
150F125-15	0.0157	15	0.079	0.267	0.026	0.576	0.039	0.700	0.024	0.026	0.658
150F125-18	0.0188	18	0.094	0.320	0.031	0.575	0.047	0.705	0.030	0.034	0.679
150F125-23	0.0245	23	0.122	0.414	0.040	0.573	0.061	0.705	0.040	0.046	1.147
150F125-27	0.0283	27	0.140	0.477	0.046	0.572	0.070	0.705	0.046	0.057	1.125
150F125-30	0.0312	30	0.154	0.525	0.050	0.571	0.077	0.705	0.050	0.064	1.263
150F125-33	0.0346	33	0.171	0.581	0.055	0.570	0.085	0.705	0.055	0.070	1.391
150F125-43	0.0451	43	0.219	0.745	0.070	0.565	0.109	0.705	0.070	0.089	1.755
150F125-54	0.0566	54	0.278	0.946	0.087	0.558	0.145	0.722	0.087	0.122	2.755

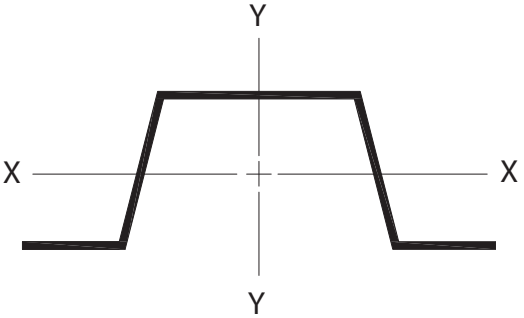


Table Notes:

1. If present, hems and offsets in flanges are ignored.
2. Effective properties are given as the minimum value for positive or negative bending.

Furring Channel Allowable Ceiling Spans (F-Sections) - L/240											
Furring Member	F _y (ksi)	Span Type	Uniform Load								
			4 psf			6 psf			13 psf *		
			Spacing (in) on center			Spacing (in) on center			Spacing (in) on center		
			12	16	24	12	16	24	12	16	24
087F125-15	50	Single	4'-10"	4'-5"	3'-10"	4'-2"	3'-10"	3'-4"	3'-3"	2'-11"	2'-7"
		Multiple	5'-11"	5'-5"	4'-9"	5'-2"	4'-9"	4'-2"	4'-0"	3'-8"	3'-1"
087F125-18	33	Single	5'-2"	4'-9"	4'-1"	4'-6"	4'-1"	3'-7"	3'-6"	3'-2"	2'-9"
		Multiple	6'-5"	5'-10"	4'-5"	5'-7"	5'-1"	4'-2"	4'-0"	3'-6"	2'-10"
087F125-23	50	Single	5'-9"	5'-2"	4'-7"	5'-0"	4'-7"	4'-0"	3'-10"	3'-6"	3'-1"
		Multiple	7'-1"	6'-5"	5'-7"	6'-2"	5'-7"	4'-11"	4'-9"	4'-4"	3'-10"
087F125-27	33	Single	6'-0"	5'-5"	4'-9"	5'-3"	4'-9"	4'-2"	4'-0"	3'-8"	3'-2"
		Multiple	7'-5"	6'-9"	5'-10"	6'-6"	5'-10"	5'-2"	5'-0"	4'-6"	3'-8"
087F125-30	33	Single	6'-2"	5'-7"	4'-11"	5'-5"	4'-11"	4'-3"	4'-2"	3'-9"	3'-4"
		Multiple	7'-7"	6'-11"	6'-1"	6'-8"	6'-1"	5'-3"	5'-2"	4'-8"	3'-11"
087F125-33	33	Single	6'-4"	5'-9"	5'-1"	5'-7"	5'-1"	4'-5"	4'-4"	3'-11"	3'-5"
		Multiple	7'-10"	7'-2"	6'-3"	6'-10"	6'-3"	5'-5"	5'-4"	4'-10"	4'-1"
087F125-43	33	Single	6'-10"	6'-3"	5'-5"	6'-0"	5'-5"	4'-9"	4'-7"	4'-2"	3'-8"
		Multiple	8'-6"	7'-8"	6'-9"	7'-5"	6'-9"	5'-10"	5'-9"	5'-2"	4'-6"
150F125-15	50	Single	7'-4"	6'-8"	5'-10"	6'-5"	5'-10"	5'-1"	4'-11"	4'-6"	3'-11"
		Multiple	9'-1"	8'-3"	7'-2"	7'-11"	7'-2"	6'-3"	6'-1"	5'-1"	3'-11"
150F125-18	33	Single	7'-11"	7'-2"	6'-3"	6'-11"	6'-3"	5'-6"	5'-4"	4'-10"	4'-2"
		Multiple	9'-9"	8'-10"	7'-6"	8'-6"	7'-6"	6'-0"	5'-8"	4'-9"	3'-8"
150F125-23	50	Single	8'-8"	7'-11"	6'-11"	7'-7"	6'-11"	6'-0"	5'-10"	5'-4"	4'-8"
		Multiple	10'-9"	9'-9"	8'-6"	9'-5"	8'-6"	7'-5"	7'-3"	6'-7"	5'-9"
150F125-27	33	Single	9'-1"	8'-3"	7'-3"	7'-11"	7'-3"	6'-4"	6'-2"	5'-7"	4'-10"
		Multiple	11'-3"	10'-3"	8'-11"	9'-10"	8'-11"	7'-10"	7'-7"	6'-7"	5'-4"
150F125-30	33	Single	9'-5"	8'-6"	7'-5"	8'-2"	7'-5"	6'-6"	6'-4"	5'-9"	5'-0"
		Multiple	11'-7"	10'-6"	9'-3"	10'-2"	9'-2"	8'-0"	7'-10"	7'-0"	5'-8"
150F125-33	33	Single	9'-8"	8'-10"	7'-8"	8'-6"	7'-8"	6'-9"	6'-6"	5'-11"	5'-2"
		Multiple	12'-0"	10'-11"	9'-6"	10'-6"	9'-6"	8'-4"	8'-1"	7'-4"	6'-0"
150F125-43	33	Single	10'-6"	9'-6"	8'-4"	9'-2"	8'-4"	7'-3"	7'-1"	6'-5"	5'-7"
		Multiple	13'-0"	11'-9"	10'-3"	11'-4"	10'-3"	9'-0"	8'-9"	8'-0"	6'-8"

Furring Channel Allowable Ceiling Spans (F-Sections) - L/360

Furring Member	Fy (ksi)	Span Type	Uniform Load								
			4 psf			6 psf			13 psf *		
			Spacing (in) on center			Spacing (in) on center			Spacing (in) on center		
			12	16	24	12	16	24	12	16	24
087F125-15	50	Single	4'-2"	3'-10"	3'-4"	3'-8"	3'-4"	2'-11"	2'-10"	2'-7"	2'-3"
		Multiple	5'-2"	4'-9"	4'-2"	4'-7"	4'-2"	3'-7"	3'-6"	3'-2"	2'-9"
087F125-18	33	Single	4'-6"	4'-1"	3'-7"	4'-0"	3'-7"	3'-2"	3'-1"	2'-9"	2'-5"
		Multiple	5'-7"	5'-1"	4'-5"	4'-11"	4'-5"	3'-11"	3'-9"	3'-5"	2'-10"
087F125-23	50	Single	5'-0"	4'-7"	4'-0"	4'-4"	4'-0"	3'-6"	3'-5"	3'-1"	2'-8"
		Multiple	6'-2"	5'-7"	4'-11"	5'-5"	4'-11"	4'-3"	4'-2"	3'-10"	3'-4"
087F125-27	33	Single	5'-3"	4'-9"	4'-2"	4'-7"	4'-2"	3'-7"	3'-6"	3'-2"	2'-10"
		Multiple	6'-6"	5'-10"	5'-2"	5'-8"	5'-2"	4'-6"	4'-4"	4'-0"	3'-6"
087F125-30	33	Single	5'-5"	4'-11"	4'-3"	4'-8"	4'-3"	3'-9"	3'-8"	3'-4"	2'-11"
		Multiple	6'-8"	6'-1"	5'-3"	5'-10"	5'-3"	4'-7"	4'-6"	4'-1"	3'-7"
087F125-33	33	Single	5'-7"	5'-1"	4'-5"	4'-10"	4'-5"	3'-10"	3'-9"	3'-5"	3'-0"
		Multiple	6'-10"	6'-3"	5'-5"	6'-0"	5'-5"	4'-9"	4'-8"	4'-3"	3'-8"
087F125-43	33	Single	6'-0"	5'-5"	4'-9"	5'-3"	4'-9"	4'-2"	4'-0"	3'-8"	3'-2"
		Multiple	7'-5"	6'-9"	5'-10"	6'-6"	5'-10"	5'-2"	5'-0"	4'-6"	4'-0"
150F125-15	50	Single	6'-5"	5'-10"	5'-1"	5'-7"	5'-1"	4'-5"	4'-4"	3'-11"	3'-5"
		Multiple	7'-11"	7'-2"	6'-3"	6'-11"	6'-3"	5'-6"	5'-4"	4'-10"	3'-11"
150F125-18	33	Single	6'-11"	6'-3"	5'-6"	6'-0"	5'-6"	4'-9"	4'-8"	4'-3"	3'-8"
		Multiple	8'-6"	7'-9"	6'-9"	7'-5"	6'-9"	5'-11"	5'-8"	4'-9"	3'-8"
150F125-23	50	Single	7'-7"	6'-11"	6'-0"	6'-8"	6'-0"	5'-3"	5'-1"	4'-8"	4'-1"
		Multiple	9'-5"	8'-6"	7'-5"	8'-2"	7'-5"	6'-6"	6'-4"	5'-9"	5'-0"
150F125-27	33	Single	7'-11"	7'-3"	6'-4"	6'-11"	6'-4"	5'-6"	5'-4"	4'-10"	4'-3"
		Multiple	9'-10"	8'-11"	7'-10"	8'-7"	7'-10"	6'-10"	6'-8"	6'-0"	5'-3"
150F125-30	33	Single	8'-2"	7'-5"	6'-6"	7'-2"	6'-6"	5'-8"	5'-6"	5'-0"	4'-5"
		Multiple	10'-2"	9'-2"	8'-0"	8'-10"	8'-0"	7'-0"	6'-10"	6'-3"	5'-5"
150F125-33	33	Single	8'-6"	7'-8"	6'-9"	7'-5"	6'-9"	5'-10"	5'-9"	5'-2"	4'-6"
		Multiple	10'-6"	9'-6"	8'-4"	9'-2"	8'-4"	7'-3"	7'-1"	6'-5"	5'-7"
150F125-43	33	Single	9'-2"	8'-4"	7'-3"	8'-0"	7'-3"	6'-4"	6'-2"	5'-7"	4'-11"
		Multiple	11'-4"	10'-3"	9'-0"	9'-11"	9'-0"	7'-10"	7'-8"	6'-11"	6'-1"

Table Notes:

1. Single spans are the minimum span based on moment, shear, web crippling, or deflection.
2. Multiple spans indicate two or more equal and continuous spans with span length measured support to support.
3. Web crippling check is based on 1" of bearing at end and interior supports.
4. Multiple spans are the minimum span based on moment, shear, web crippling, deflection, combined bending and shear, or combined bending and web crippling.
5. *Loads that exceed 10psf limit require an approved CP60 coating.
6. Notes are for both L/240 and L/360 tables.

U Channels (U-Sections)

U Channel Section Properties												
U Member	Design Thickness (in)	Mils	Gross Properties					Effective Properties 33ksi				
			Area (in ²)	Weight (lbs/ft)	I _x (in ⁴)	R _x (in)	I _y (in ⁴)	R _y (in)	I _x (in ⁴)	S _x (in ³)	Ma (in-k)	Va (lb)
75U050-54	0.0566	54	0.087	0.30	0.007	0.288	0.002	0.155	0.007	0.019	0.45	315
150U050-54	0.0566	54	0.129	0.44	0.039	0.547	0.003	0.144	0.039	0.052	1.22	840
200U050-54	0.0566	54	0.157	0.54	0.079	0.709	0.003	0.136	0.079	0.079	1.87	1190
250U050-54	0.0566	54	0.186	0.63	0.139	0.866	0.003	0.128	0.139	0.111	2.64	1540

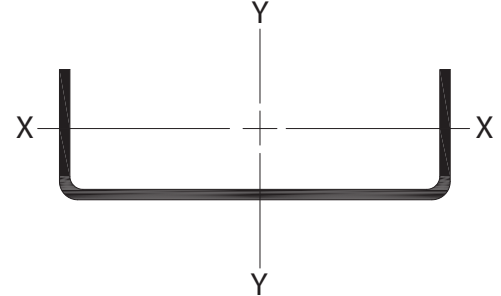


Table Notes:

1. Inside bend radius taken as 3/32"

U Channel Allowable Ceiling Spans (U-Sections) - L/240

Stud Member	F _y (ksi)	Design Thickness (in)	4 psf					6 psf					13 psf *					15 psf *				
			Channel Spacing (in) on center					Channel Spacing (in) on center					Channel Spacing (in) on center					Channel Spacing (in) on center				
			24	36	48	60	72	24	36	48	60	72	24	36	48	60	72	24	36	48	60	72
75U050-54	33	Single	3'-11"	3'-5"	3'-1"	2'-10"	2'-8"	3'-5"	3'-0"	2'-8"	2'-6"	2'-4"	2'-7"	2'-4"	2'-1"	1'-11"	1'-9"	2'-6"	2'-2"	2'-0"	1'-10"	1'-8"
		Multiple	4'-10"	4'-2"	3'-10"	3'-7"	3'-4"	4'-2"	3'-8"	3'-4"	3'-1"	2'-10"	3'-3"	2'-9"	2'-4"	2'-1"	1'-11"	3'-1"	2'-7"	2'-0"	2'-0"	1'-9"
150U050-54	33	Single	5'-6"	4'-10"	4'-5"	4'-1"	3'-10"	4'-10"	4'-3"	3'-10"	3'-7"	3'-5"	3'-9"	3'-3"	3'-0"	2'-9"	2'-7"	3'-7"	3'-2"	2'-10"	2'-7"	2'-5"
		Multiple	7'-1"	6'-2"	5'-8"	5'-3"	4'-11"	6'-2"	5'-5"	4'-11"	4'-7"	4'-4"	4'-10"	4'-2"	3'-9"	3'-4"	3'-0"	4'-7"	4'-0"	3'-6"	3'-1"	2'-9"
200U050-54	33	Single	5'-10"	5'-1"	4'-8"	4'-4"	4'-1"	5'-1"	4'-6"	4'-1"	3'-10"	3'-7"	4'-0"	3'-6"	3'-2"	3'-0"	2'-10"	3'-10"	3'-4"	3'-1"	2'-10"	2'-8"
		Multiple	7'-5"	6'-6"	5'-11"	5'-6"	5'-2"	6'-6"	5'-8"	5'-2"	4'-10"	4'-7"	5'-1"	4'-5"	4'-0"	3'-9"	3'-6"	4'-10"	4'-3"	3'-10"	3'-7"	3'-2"
250U050-54	33	Single	6'-1"	5'-4"	4'-10"	4'-6"	4'-3"	5'-4"	4'-8"	4'-3"	4'-0"	3'-9"	4'-2"	3'-8"	3'-4"	3'-1"	2'-11"	4'-0"	3'-6"	3'-2"	3'-0"	2'-10"
		Multiple	7'-9"	6'-9"	6'-2"	5'-9"	5'-5"	6'-9"	5'-11"	5'-5"	5'-0"	4'-9"	5'-3"	4'-7"	4'-3"	3'-11"	3'-9"	5'-0"	4'-5"	4'-0"	3'-9"	3'-7"

U Channel Allowable Ceiling Spans (U-Sections) - L/360

Stud Member	F _y (ksi)	Design Thickness (in)	4 psf					6 psf					13 psf *					15 psf *				
			Channel Spacing (in) on center					Channel Spacing (in) on center					Channel Spacing (in) on center					Channel Spacing (in) on center				
			24	36	48	60	72	24	36	48	60	72	24	36	48	60	72	24	36	48	60	72
75U050-54	33	Single	3'-5"	3'-0"	2'-8"	2'-6"	2'-4"	3'-0"	2'-7"	2'-4"	2'-2"	2'-1"	2'-4"	2'-0"	1'-10"	1'-8"	1'-7"	2'-2"	1'-11"	1'-9"	1'-7"	1'-6"
		Multiple	4'-2"	3'-8"	3'-4"	3'-1"	2'-11"	3'-8"	3'-2"	2'-11"	2'-8"	2'-7"	2'-10"	2'-6"	2'-3"	2'-1"	1'-11"	2'-8"	2'-4"	2'-2"	2'-0"	1'-9"
150U050-54	33	Single	5'-6"	4'-10"	4'-5"	4'-1"	3'-10"	4'-10"	4'-3"	3'-10"	3'-7"	3'-5"	3'-9"	3'-3"	3'-0"	2'-9"	2'-7"	3'-7"	3'-2"	2'-10"	2'-7"	2'-5"
		Multiple	7'-1"	6'-2"	5'-8"	5'-3"	4'-11"	6'-2"	5'-5"	4'-11"	4'-7"	4'-4"	4'-10"	4'-2"	3'-9"	3'-4"	3'-0"	4'-7"	4'-0"	3'-6"	3'-1"	2'-9"
200U050-54	33	Single	5'-10"	5'-1"	4'-8"	4'-4"	4'-1"	5'-1"	4'-6"	4'-1"	3'-10"	3'-7"	4'-0"	3'-6"	3'-2"	3'-0"	2'-10"	3'-10"	3'-4"	3'-1"	2'-10"	2'-8"
		Multiple	7'-5"	6'-6"	5'-11"	5'-6"	5'-2"	6'-6"	5'-8"	5'-2"	4'-10"	4'-7"	5'-1"	4'-5"	4'-0"	3'-9"	3'-6"	4'-10"	4'-3"	3'-10"	3'-7"	3'-2"
250U050-54	33	Single	6'-1"	5'-4"	4'-10"	4'-6"	4'-3"	5'-4"	4'-8"	4'-3"	4'-0"	3'-9"	4'-2"	3'-8"	3'-4"	3'-1"	2'-11"	4'-0"	3'-6"	3'-2"	3'-0"	2'-10"
		Multiple	7'-9"	6'-9"	6'-2"	5'-9"	5'-5"	6'-9"	5'-11"	5'-5"	5'-0"	4'-9"	5'-3"	4'-7"	4'-3"	3'-11"	3'-9"	5'-0"	4'-5"	4'-0"	3'-9"	3'-7"

Table Notes:

- Multiple span indicate two or more equal spans with channel continuous over interior supports.
- Listed spans are based on unbraced compression flanges.
- Web crippling check is based on 3/4" bearing at end and interior supports. No bearing stiffeners required.
- *Loads that exceed 10psf limit require an approved CP60 coating.

Resilient Channels (RC-1, RC-1 MAGNUM, RC-2)

RC-1

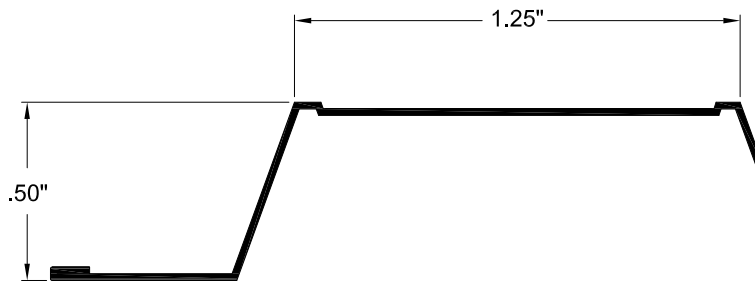
Product #SFRC1-25G

Product #SFRC1-20G

RC-1 is an economical solution for reducing sound transmission.

Available in 25 & 20 Gauge

STC = 51 in SmartStud25 assembly tested at Intertek.



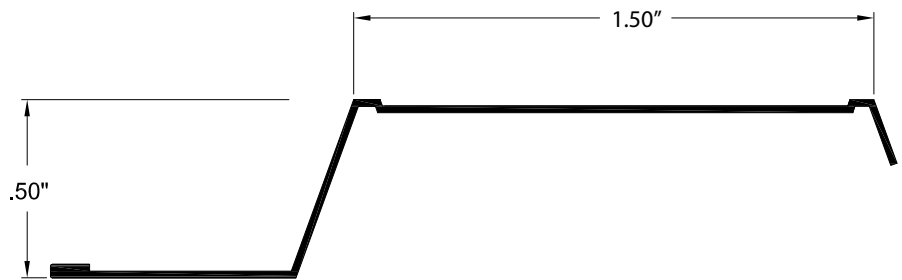
RC-1 MAGNUM

Product #SFRC-1 MAGNUM

MAGNUM features a wider top flange and heavier mil thickness.

0.0220" Design Thickness / 0.0205" Min. Thickness

STC = 50 in SmartStud25 assembly tested at Intertek.



RC-2

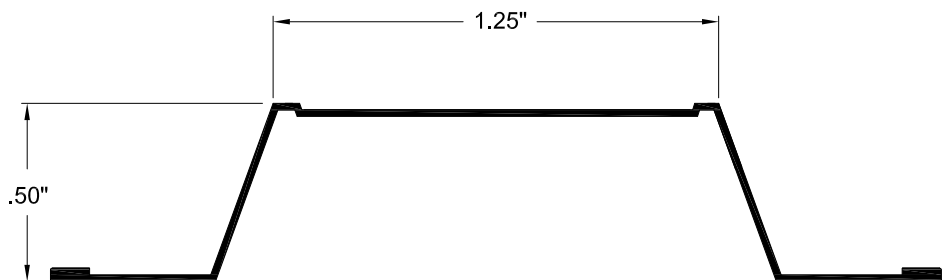
Product #SFRC2-25G

Product #SFRC2-20G

RC-2 is an economical solution for reducing sound transmission.

Available in 25 & 20 Gauge

STC = 51 in SmartStud25 assembly tested at Intertek.



NOTES:

1. Resilient Channels are used over wood or steel framing for walls and ceilings.
2. RC profiles offer reduced contact with framing members to reduce sound transmission.
3. Resilient Channel is produced to meet or exceed ASTM C645.
4. Galvanized sheet steel meets or exceeds requirements of ASTM A1003.
5. For installation and storage information refer to ASTM C754.
6. Refer to UL.com or the Gypsum Association Fire and Sound Design Manual for additional STC Rating requirements and ratings.

Accessories

Long Angle

Available sizes:	
Leg Sizes:	1", 1.5", 2", 3", 4", 5", 6" (any requested)
Mil Thickness:	18, 30, 33, 43, 54, 68, 97
Coatings:	G40, CP60, CP90
Yield Stress:	33ksi, 50ksi
Lengths:	10'-0" Standard, (other lengths available)



Flat Strap

Available sizes:	
Width Sizes:	1", 1.5", 2", 3", 4", 5", 6" (any requested)
Mil Thickness:	18, 30, 33, 43, 54, 68, 97
Coatings:	G40, CP60, CP90
Yield Stress:	33ksi, 50ksi
Lengths:	10'-0" Standard, (other lengths available)



Z-Furring

Available sizes:	
Web Sizes:	1", 1.5", 2", 3", 4", 5", 6" (any requested)
Mil Thickness:	18, 30, 33, 43, 54, 68, 97
Coatings:	G40, CP60, CP90
Yield Stress:	33ksi, 50ksi
Lengths:	10'-0" Standard, (other lengths available)

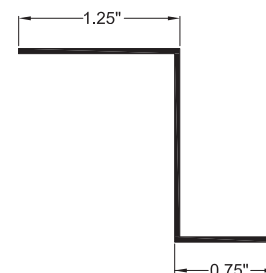


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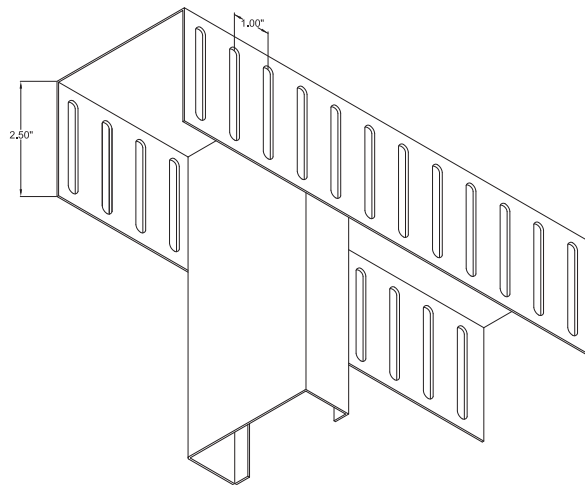
1. Long Angle, Flat Strap and Z-Furring have many uses in wood or steel framing projects.
2. Galvanized sheet steel meets or exceeds requirements of ASTM A1003.
3. Refer to CRACO's SmartSpec for additional information for these products.

Slotted Slip Track

Slotted Slip Track									
Gauge	Mils	Design Thickness (in)	Web Hgt. (in.)	Pieces Per Skid	Gauge	Mils	Design Thickness (in)	Web Hgt. (in.)	Pieces Per Skid
20	33	0.0346	2.500	100	18	43	0.451	2.500	100
			3.625					3.625	
			4.000					4.000	
			6.000					6.000	
			8.000					8.000	
P = 166 lbs.					P = 196 lbs.				
Gauge	Mils	Design Thickness (in)	Web Hgt. (in.)	Pieces Per Skid	Gauge	Mils	Design Thickness (in)	Web Hgt. (in.)	Pieces Per Skid
20	33	0.0346	2.500	100	18	43	0.451	2.500	100
			3.625					3.625	
			4.000					4.000	
			6.000					6.000	
			8.000					8.000	
P = 314 lbs.					P = 314 lbs.				

Notes:

- 1. Slotted Slip Track is a UL listed head of wall system.
- 2. Available in 10'-0" standard stock length.





Corporate Office & Manufacturing Facility

1122 Johnson Road
York, SC 29745

www.cracometals.com
SmartFrame@cracometals.com