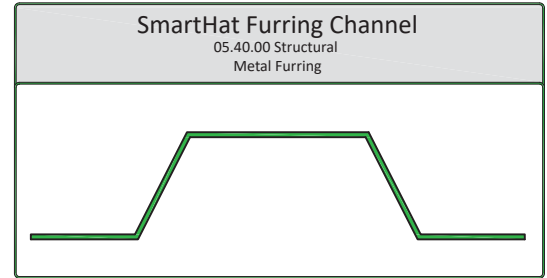


Product Category: 087F125-43
Product Name: 7/8" 43mil SmartHat Furring Channel

Physical Properties

Web Depth (in)	0.875	Yield Stress Fy (KSI)	33
Flange Width (in)	1.250	Mils	43
Coating A1003	CP60	Design Thickness (in)	0.0451
CP90 Available by Request		Minimum Thickness (in)	0.0428
Weight (lb/ft)	0.550	Gauge	18



Section Properties

Cross Sectional Area (A)	0.1620 in ²
Moment of Inertia (Ix)	0.0200 in ⁴
Radius of Gyration (Rx)	0.3480 in
Gross Moment of Inertia (Iy)	0.0817 in ⁴

Effective Section Properties

Moment of Inertia for Deflection (Ixe)	0.0196 in ⁴
Section Modulus (Sxe)	0.0420 in ³
Allowable Bending Moment (Ma)	0.8300 in-k

Hat Furring Allowable Spans L/240										
Product 087F125-43	Span Type	4 psf			6 psf			13 psf		
		Hat Spacing (in)			Hat Spacing (in)			Hat Spacing (in)		
		24	36	48	60	72	24	12	16	24
	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"

U-Channel Allowable Spans L/360										
Product 087F125-43	Span Type	4 psf			6 psf			13 psf		
		Hat Spacing (in)			Hat Spacing (in)			Hat Spacing (in)		
		12	16	24	12	16	24	12	16	24
	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"

MANUFACTURING Codes & Standards

- NASPEC AISI S100-07 IBC 2009 2012 Compliant
- Coated in accordance to ASTM A1003 & A653
- Meets or exceeds ASTM C955 & AISI S200

GREEN Benefits & LEED Data:

- LEED Credit MR 2 - Construction Waste Mgmt - 1-2 Points
- LEED Credit MR 4 - Recycled Credit - 1-2 Points
- LEED Credit MR 5 - Regional Materials - 1-2 Points
- CRACO products are 100% recyclable
- Contact Technical Services for more information