HI-HAT 7/8" FURRING CHANNEL 20 GAUGE

MEMBER DESIGNATION: 78FC125-24 IN.

WEB WIDTH: 1.25 IN.

FLANGE WIDTH: 0.875 IN.

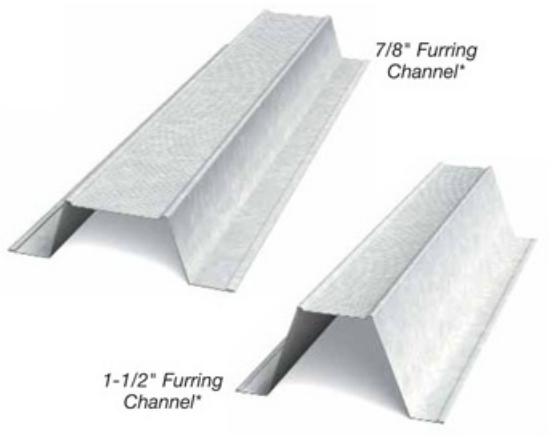
WEIGHT PER FOOT: 0.356 LB/FT

DESIGN THICKNESS: 0.0238 IN.

YIELD STRENGTH: 33 KSI

TENSILE STRENGTH: 45 KSI

GALVANIZED COATING: G-60



GROSS PROPERTIES

AREA: 0.105 IN^2

Ix: 0.013 IN^4

Rx: 0.353 IN

Iy: 0.0528 IN

Ry: 0.71 IN

EFFECTIVE PROPERTIES

Ix: 0.0131 IN^4

Sx: 0.0272 IN^3

Ma: 44.78 IN-K

SECTION PROPERTY NOTES:

1. PROPERTIES BASED ON THE AISI S100-07
2. HEMS AND OFFSET IN FLANGE OF NON-STRUCTURAL CHANNEL SECTIONS ARE IGNORED
3. FOR DEFLECTION CALCULATIONS, USE EFFECTIVE IX. EFFECTIVE IX IS BASED ON PROCEDURE 1 OF THE AISI S100-07
4. EFFECTIVE PROPERTIES ARE GIVEN AS THE MINIMUM VALUE FOR POSITIVE OR NEGATIVE BENDING

(HAT) FURRING (F) CHANNEL ALLOWABLE CEILING SPANS L/240									
SPANS	4 PSF CHANNEL SPACING (IN) O.C.			6 PSF CHANNEL SPACING (IN) O.C.			13 PSF CHANNEL SPACING (IN) O.C.		
	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"	2' 2"	5' 0"	4' 6"	3' 8"
* LOADS THAT EXCEED THE 10 PSF LIMIT FOR NON-STRUCTURAL MEMBERS REQUIRE THE USE OF STRUCTURAL MATERIAL WITH G-60 OR SIMILAR COATING.									

(HAT) FURRING (F) CHANNEL ALLOWABLE CEILING SPANS L/360									
SPANS	4 PSF CHANNEL SPACING (IN) O.C.			6 PSF CHANNEL SPACING (IN) O.C.			13 PSF CHANNEL SPACING (IN) O.C.		
	12	16	24	12	16	24	12	16	24
SINGLE	5' 3"	4' 9"	4' 2"	3' 7"	4'2"	3' 7"	2' 10"	3' 2"	2' 10"
MULTIPLE	6' 6"	5' 10"	5' 2"	4' 6"	5' 2"	4' 6"	3' 6"	4' 0"	3'6"
* LOADS THAT EXCEED THE 10 PSF LIMIT FOR NON-STRUCTURAL MEMBERS REQUIRE THE USE OF STRUCTURAL MATERIAL WITH G-60 OR SIMILAR COATING.									

TABLE NOTES:

1. SINGLE SPANS TAKEN AS THE MINIMUM SPAN BASED ON MOMENT, SHEAR, WEB CRIPPLING OR DEFLECTION
2. MULTIPLE SPANS INDICATE TWO OR MORE EQUAL, CONTINUOUS SPANS WITH SPAN LENGTH MEASURED SUPPORT TO SUPPORT
3. MULTIPLE SPANS TAKEN AS THE MINIMUM SPAN BASED ON MOMENT, SHEAR, WEB CRIPPLING, DEFLECTION, COMBINED BENDING AND SHEAR OR COMBINED BENDING AND WEB CRIPPLING
4. WEB CRIPPLING VALUES BASED ON 1? BEARING AT END AND INTERIOR SUPPORTS