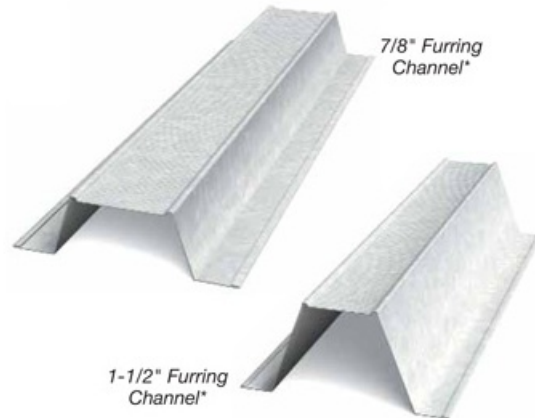


HI-HAT 7/8" FURRING CHANNEL 25 GAUGE

MEMBER DESIGNATION: 78FC125-18 IN.
WEB WIDTH: 1.25 IN.
FLANGE WIDTH: 0.875 IN.
WEIGHT PER FOOT: 0.239 LB/FT
DESIGN THICKNESS: 0.0188 IN.
YIELD STRENGTH: 33 KSI
TENSILE STRENGTH: 45 KSI
GALVANIZED COATING: G-60



GROSS PROPERTIES

AREA: 0.07 IN²
 Ix: 0.009 IN⁴
 Rx: 0.356 IN
 Iy: 0.0354 IN
 Ry: 0.71 IN

EFFECTIVE PROPERTIES

Ix: 0.0086 IN⁴
 Sx: 0.016 IN³
 Ma: 26.41 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	5' 2"	4' 9"	4' 1"	4' 6"	4' 1"	3' 7"	3' 6"	3' 2"	2' 9"
MULTIPLE	6' 5"	5' 10"	5' 1"	5' 7"	5' 1"	4' 2"	4' 0"	3' 6"	2' 10"

* 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	4' 6"	4' 1"	3' 7"	3' 2"	3' 7"	3' 2"	2' 5"	2' 9"	2' 5"
MULTIPLE	5' 7"	5' 1"	4' 5"	3' 11"	4' 5"	3' 11"	2' 10"	3' 5"	2' 10"

* 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