

GALVANIZED COLD ROLLED CHANNEL, (CRC) FOR WALL AND CEILING INSTALLATIONS

PRODUCT DESCRIPTION:

COLD-FORMED CHANNEL USED TO SUPPORT AND BRIDGING SUSPENDED CEILING GRIDS FOR LATH AND PLASTER APPLICATIONS AS WELL AS FOR DRYWALL CEILING APPLICATIONS.

PACKAGING AND PACKAGE MARKING:

GENERALLY AVAILABLE IN 16-FT. AND 20-FT. LENGTHS. LONGEST POSSIBLE LENGTHS SHALL ALWAYS BE INSTALLED TO AVOID JOINTS. EACH FACTORY BUNDLE SHALL BE MARKED WITH MANUFACTURER'S NAME, SIZE AND LENGTH.

PRODUCT PROPERTIES

CATEGORY: 1-1/2"
PRODUCT NAME: CRC1.5-054 (33KSI) - UNPUNCHED 54 MILS (16 GAUGE)
COATING: G40,CP60 OR G90
COLOR CODING: GREEN

GEOMETRIC PROPERTIES

WEB DEPTH: 1.5.00 IN.
LEG WIDTH: 0.500 IN.
DESIGN THICKNESS 0.0566 In.
MIN. STEEL THICKNESS 0.0538 IN.
YIELD STRESS 33 KSI WITH COLD-WORK, FYA 39.4 KSI ULTIMATE, FU 45 KSI

GROSS SECTION PROPERTIES

CROSS SECTIONAL AREA (A): 0.130 IN²
MEMBER WEIGHT PER FOOT OF LENGTH: 0.441 LB/FT
MOMENT OF INERTIA (Ix): 0.039 IN⁴
RADIUS OF GYRATION (Rx): 0.549 IN
GROSS MOMENT OF INERTIA (Iy): 0.003 IN⁴
GROSS RADIUS OF GYRATION (Ry): 0.146 IN

EFFECTIVE SECTION PROPERTIES

MOMENT OF INERTIA FOR DEFLECTION (Ix): 0.039 IN⁴
SECTION MODULUS (Sx): 0.052 IN³
ALLOWABLE BENDING MOMENT (Ma): 1.230 IN-K
ALLOWABLE SHEAR FORCE (VA): 840 LB

GENERAL INFORMATION:

- LENGTH: 16'-0" LONG PIECES (ALSO AVAILABLE IN 10' AND 20' LENGTHS)
- PACKAGING: (10) PIECES PER BUNDLE (240) PIECES PER PALLET
- PACKAGING WEIGHT: 77 LBS./BUNDLE

ASTM & CODE STANDARDS:

- STRUCTURAL FRAMING IS PRODUCED TO MEET OR EXCEED ASTM C955
- SHEET STEEL MEETS OR EXCEEDS MECHANICAL AND CHEMICAL REQUIREMENTS OF ASTM A1003
- FOR INSTALLATION & STORAGE INFORMATION REFER TO ASTM C1007 & C754

