

Product Category: structural metal stud framing: specification section 05 40 00
Available Coatings: G60 (standard), G90.
Product Name: 1-1/2 CRC 16
Product Description: cold-rolled channel (CRC)
AISI Nomenclature: 150U050-54 Also available in 3/4" and 2" depths

Material and Shape Property Notes:

Thickness: 0.0566" (design); 0.0538 (minimum); 54 mil • Equivalent Gauge: 16
Flange width: 1/2 inch • Web Depth: available in 3/4", 1.5", and 2" web • Stiffening Lip Length: n/a

SECTION PROPERTIES

Gross Section Properties: (for 1-1/2" product)

Cross Section Area (**A**): 0.130 in²
Member Weight: 0.441 pounds per foot
Moment of Inertia, strong axis (**I_x**): 0.039 in⁴
Radius of Gyration, strong axis (**R_x**): 0.549 in.
Moment of Inertia, weak axis (**I_y**): 0.003 in⁴
Radius of Gyration, weak axis (**R_y**): 0.146 in.

Effective Section Properties:¹

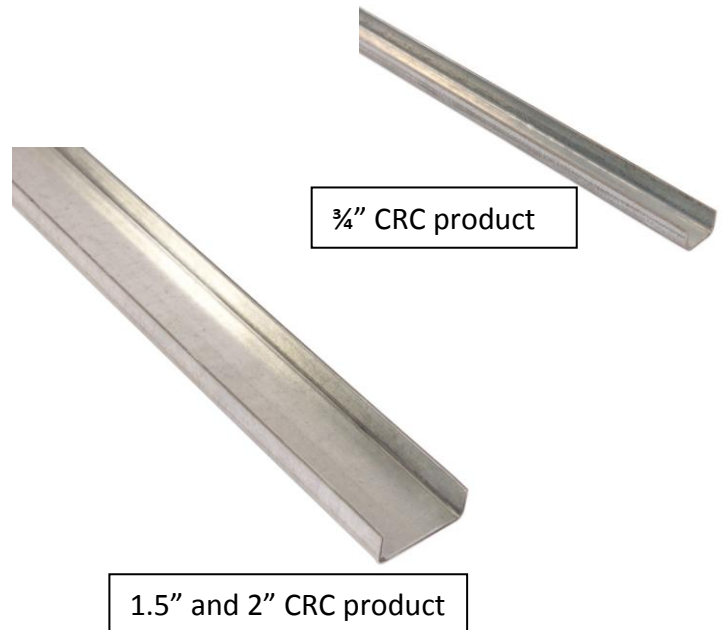
Effective Moment of Inertia (**I_{x eff}**): 0.039 in⁴
Effective Section Modulus (**S_{x eff}**): 0.052 in³
Allowable Moment (Ma): 1.230 inch-kips

For torsional properties, see our catalog at www.buysuperstud.com.

CODES & STANDARDS

Super Stud products comply with the applicable provisions of the following:

International Building Code (IBC) 2006 - 2015
Sheet Steel: ASTM A1003 & ASTM A653
Galvanized Coating: ASTM A653
Members & Tolerances: ASTM C955
Meets ASTM C754 & C1007 when installed in structure
3rd Party Certification: Manufacturing verified & inspected by Home Innovation Research Labs, Inc.



Steel Framing Alliance™



American Iron and Steel Institute

¹ Where "NC" appears, the effective properties have not been calculated, due to limits in the American Iron and Steel Institute (AISI) North American Specification for the Design of Cold-Formed Steel Structural Members (AISI S100.)

The Super Stud Building Products Family of Companies