U-Channel (CRC)

Product category: 3/4" U-Channel / CRC - 16ga
Product name: 075U50-54 (50ksi) - Unpunched, 54mils (16ga)
Finish: G40EQ, G40, CP60 or G90
Color coding: Green

Geometric Properties
Web depth: 0.750 in
Leg width: 0.500 in
Inside corner radius: 0.0849 in
Design thickness: 0.0566 in
Min. steel thickness: 0.0538 in
Yield stress: Fy 50 ksi, *Fy with cold-work, Fya 55.3 ksi
Ultimate, Fu: 65 ksi

Gross Section Properties of Full Section, Strong Axis
Cross sectional area (A): 0.087 in(^2)
Member weight per foot of length: 0.296 lb/ft
Moment of inertia (Ix): 0.007 in(^4)
Radius of gyration (Rx): 0.289 in
Gross moment of inertia (Iy): 0.002 in(^4)
Gross radius of gyration (Ry): 0.156 in

Effective Section Properties, Strong Axis
Moment of inertia for deflection (Ix): 0.007 in(^4)
Section modulus (Sx): 0.019 in(^3)
Allowable bending moment (Ma): 0.680 in-k
Allowable shear force (Va): 496 lb

Product Data & Ordering Information:
Length: 10'-0" long pieces (Custom length available by special orders)
Packaging: 10 pieces per bundle - 240 pieces per pallet
Packaging weight: 30 lbs/bundle or 300 lbs/1000 ft

ASTM & Code Standards:
- AISI North American Specification [NASPEC] S100-12
- Structural framing is produced to meet or exceed ASTM C955
- Galvanized sheet steel meets or exceeds requirements of ASTM A1003
- For installation & storage information refer to ASTM C1007 & C754
- SDS & Product Certification Information is available at www.clarkdietrich.com/SupportDocs

05.40.00 (Cold-Formed Metal Framing)
Used in framing applications:
- Lateral bracing in 2-1/2" studs
- Drop down ceilings
- Furring for metal lath systems

Sustainability Credits:
For more details and LEED letters contact Technical Services at 888-437-3244 or visit www.clarkdietrich.com/LEED
LEED v4 MR Credit -- Building Product Disclosure and Optimization: EPD (1 point) - Sourcing of Raw Materials (1 point) - Material Ingredients (1 point) - Construction and Demolition Waste Management (up to 2 points) - Innovation Credit (up to 2 points).
LEED 2009 Credit MR 2 & MR 4 -- ClarkDietrich's steel products are 100% recyclable and have a national average recycled content of 34.2% (19.8% post-consumer and 14.4% pre-consumer). If seeking a higher number to meet Credit MR 5, please contact us at (info@clarkdietrich.com / 888-437-3244)