

U-Channel / CRC

Product category: 1-1/2" U-Channel / CRC – 16ga
Product name: 150U50-54 (33ksi) - Unpunched
54mils (16gauge) Finish: G40, CP60 or G90
Color Coding: Green

Geometric Properties

Web depth	1.500 in		
Leg width	0.500 in		
Design thickness	0.0566 in	Min. steel thickness	0.0538 in
Yield stress, Fy	33 ksi	*Fy with Cold-Work, Fya	39.4 ksi
Ultimate, Fu	45 ksi		

Gross Section Properties of Full Section, Strong Axis

Cross sectional area (A)	0.130 in ²
Member weight per foot of length	0.441 lb/ft
Moment of inertia (Ix)	0.039 in ⁴
Radius of gyration (Rx)	0.549 in
Gross moment of inertia (Iy)	0.003 in ⁴
Gross radius of gyration (Ry)	0.146 in

Effective Section Properties, Strong Axis

Moment of inertia for deflection (Ix)	0.039 in ⁴
Section modulus (Sx)	0.052 in ³
Allowable bending moment (Ma)	1.230 in-k
Allowable shear force (Va)	840 lb

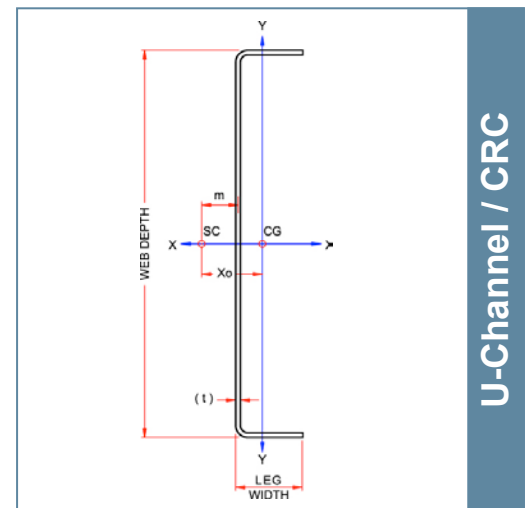
Ordering Information:

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:

- AISI North American Specification [NASPEC] S-100-2007 with 2010 Supplement
- *Effective properties incorporate the strength increase from the cold work of forming
- Structural framing is produced to meet or exceed ASTM C955, A653 and A1003
- Galvanized sheet steel meets or exceeds requirements of ASTM A924
- For installation & storage information refer to ASTM C1007 & C754
- MSDS & Product Certification Information available at www.clarkdietrich.com

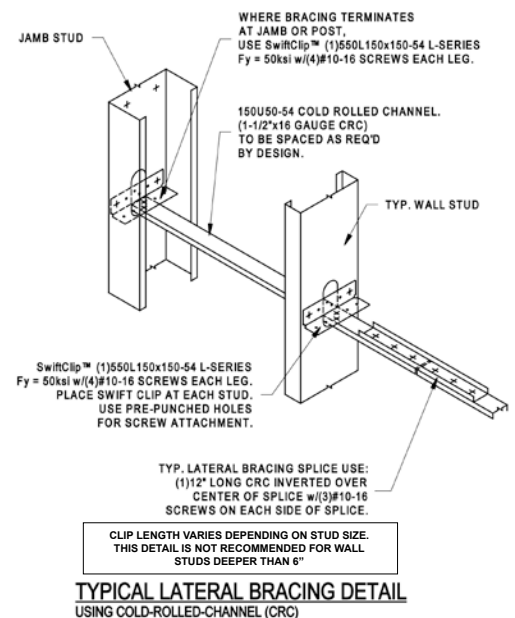
05.40.00 (Cold-Formed Metal Framing)



U-Channel / CRC

Used in framing applications

- Lateral bracing in walls
- Drop down ceilings
- Furring for metal lath systems



GREEN Benefits and Recycled Content:

LEED Credit MR 2 - ClarkDietrich products are manufactured from cold-formed steel. Steel is 100% recyclable, which helps divert debris from the waste stream. The contribution to LEED must be calculated by the contractor based on weight or volume.

LEED Credit MR 4 - ClarkDietrich's steel products have a minimum recycled content of 34.9%, of which 24.3% is post-consumer, and 9.4% is pre-consumer. To report a higher number for your project or seek Credit MR 5, contact Technical Services at 888-437-3244 or visit www.clarkdietrich.com.

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Project Information

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Contractor Information

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Architect Information

Name:
Contact:
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