

## 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 <sup>(^2)</sup>
Member weight per foot of length	0.296 lb/ft
Moment of inertia (Ix)	0.007 in <sup>(^4)</sup>
Radius of gyration (Rx)	0.289 in
Gross moment of inertia (Iy)	0.002 in <sup>(^4)</sup>
Gross radius of gyration (Ry)	0.156 in

### Effective Section Properties, Strong Axis

Moment of inertia for deflection (Ix)	0.007 in <sup>(^4)</sup>
Section modulus (Sx)	0.019 in <sup>(^3)</sup>
Allowable bending moment (Ma)	0.680 in-k
Allowable shear force (Va)	496 lb

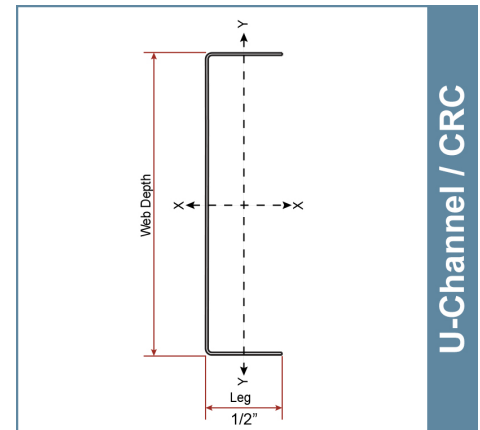
### Product Data & Ordering Information:

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
- \*Effective properties incorporate the strength increase from the cold work of forming
- 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](http://www.clarkdietrich.com/SupportDocs)

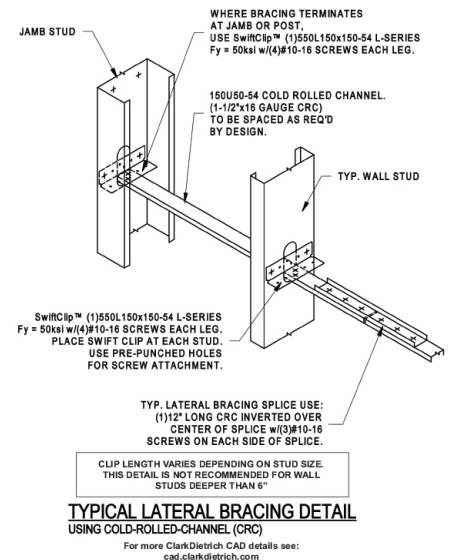
## 05.40.00 (Cold-Formed Metal Framing)



U-Channel / CRC

### 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](http://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](mailto:info@clarkdietrich.com) / 888-437-3244)

### Project Information

Name:  
Address:

### Contractor Information

Name:  
Contact:  
Phone:  
Fax:

### Architect Information

Name:  
Contact:  
Phone:  
Fax: