U-Channel (CRC)

<table>
<thead>
<tr>
<th>Product category</th>
<th>1-1/2&quot; U-Channel / CRC - 16ga</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product name</td>
<td>150U50-54 (33ksi) - Unpunched</td>
</tr>
<tr>
<td>Finish</td>
<td>G40EQ, G40, CP60 or G90</td>
</tr>
<tr>
<td>Color coding</td>
<td>Green</td>
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</tbody>
</table>

**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 33ksi, *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

**Product Data & 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**: 71 lbs/bundle

**ASTM & Code Standards**:

- AISI North American Specification [NASPEC] S100-012
- "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

**Used in framing applications:**

- Lateral bracing in walls
- 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)