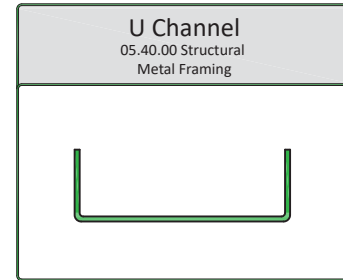


**Product Category:** 250U050-54  
**Product Name:** 2-1/2" U-Channel CRC

### Physical Properties

Web Depth (in)	2.500	Yield Stress Fy (KSI)	50
Flange Width (in)	0.500	Mils	54
Coating A1003	CP60	Design Thickness (in)	0.0566
CP90 Available by Request		Minimum Thickness (in)	0.0538
Weight (lb/ft)	0.630	Gauge	16



### Section Properties

Cross Sectional Area (A)	0.186 in <sup>2</sup>
Moment of Inertia (Ix)	0.139 in <sup>4</sup>
Radius of Gyration (Rx)	0.866 in
Gross Moment of Inertia (Iy)	0.003 in <sup>4</sup>

### Effective Section Properties

Moment of Inertia for Deflection (Ixe)	0.139 in <sup>4</sup>
Section Modulus (Sx)	0.111 in <sup>3</sup>
Allowable Bending Moment (Ma)	2.640 in-k

U-Channel Allowable Spans L/240																					
Product	Span Type	4 psf					6 psf					13 psf					15 psf				
		Spacing (in)					Spacing (in)					Spacing (in)					Spacing (in)				
		24	36	48	60	72	24	36	48	60	72	24	36	48	60	72	24	36	48	60	72
250U50-54	Single	6'-1"	5'-4"	4'-10"	4'-6"	4'-3"	5'-4"	4'-8"	4'-3"	4'-0"	3'-9"	4'-2"	3'-8"	3'-4"	3'-1"	2'-11"	4'-0"	3'-6"	3'-2"	3'-0"	2'-10"
	Multiple	7'-9"	6'-9"	6'-2"	5'-9"	5'-5"	6'-9"	5'-11"	5'-5"	5'-0"	4'-9"	5'-3"	4'-7"	4'-3"	3'-11"	3'-9"	5'-0"	4'-5"	4'-0"	3'-9"	3'-7"
U-Channel Allowable Spans L/360																					
Product	Span Type	4 psf					6 psf					13 psf					15 psf				
		Spacing (in)					Spacing (in)					Spacing (in)					Spacing (in)				
		24	36	48	60	72	24	36	48	60	72	24	36	48	60	72	24	36	48	60	72
250U50-54	Single	6'-1"	5'-4"	4'-10"	4'-6"	4'-3"	5'-4"	4'-8"	4'-3"	4'-0"	3'-9"	4'-2"	3'-8"	3'-4"	3'-1"	2'-11"	4'-0"	3'-6"	3'-2"	3'-0"	2'-10"
	Multiple	7'-9"	6'-9"	6'-2"	5'-9"	5'-5"	6'-9"	5'-11"	5'-5"	5'-0"	4'-9"	5'-3"	4'-7"	4'-3"	3'-11"	3'-9"	5'-0"	4'-5"	4'-0"	3'-9"	3'-7"

### MANUFACTURING Codes & Standards

- NASPEC AISI S100-07 IBC 2009 2012 Compliant
- Coated in accordance to ASTM A1003 & A653
- Meets or exceeds ASTM C955 & AISI S200

### GREEN Benefits & LEED Data:

- LEED Credit MR 2 - Construction Waste Mgmt - 1-2 Points
- LEED Credit MR 4 - Recycled Credit - 1-2 Points
- LEED Credit MR 5 - Regional Materials - 1-2 Points
- CRACO products are 100% recyclable
- Contact Technical Services for more information