



# Product Specification and Submittal Form

## J - TRACK

### MANUFACTURER

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### DESCRIPTION

**J-Track** is available in widths of 2 -1/2", 4", and 6". The short flange is available in 1" and 2", and the longer flange is 2 -1/4". J-Track is available in thicknesses of 43 mil (18 gauge), 33 mil (20 gauge), 30 mil (20DW), and 18 mil (25 gauge).

### ASTM & Code Standards

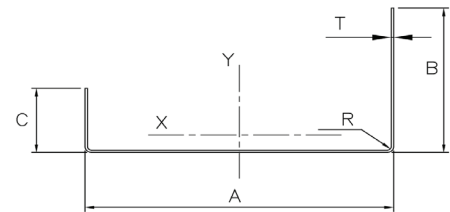
- AISI, North American Specification for the Design of Cold-Formed Steel Structural Members 2001 Edition with 2004 Supplement
- ASTM A370, Standard Test Methods and Definitions for Mechanical Testing of Steel Products
- ASTM A1003, Standard Specification for Sheet Steel, Carbon, Metallic and Non-Metallic Coating for Cold-Formed Framing Members.
- Steeler's structural framing comply with 2006 International Building Code (IBC- 2006)
- ASTM C645, Standard Specification for Nonstructural Steel Framing Members.
- ASTM C955, Standard Specification for Structural Steel Framing Members.
- ASTM C754, Standard Specification for Installation of Steel Framing Members to Receive Screw-Attached Gypsum Panel Products.
- ASTM C1513, Standard Specification for Steel Tapping Screws for Cold-Formed Steel Framing Connections.

### MATERIALS

**Steeler J-Track** is fabricated from hot dipped galvanized steel conforming to ASTM A653-02a or equal, Grade 33 (fy=33KSI).

### COLOR CODE

18 mil - Clear  
27 mil - Black  
30 mil - Pink  
33 mil - White painted on ends.



STEELER J-TRACK

Allowable Moment, Shear and Effective Section Properties										
Section	Web A in	Flange B in	Stiffener C in	Design T in	Radius R in	Fy = 33 ksi, Fu = 45 ksi				
						May kip-in	Vax kips	Iye in <sup>4</sup>	Sye in <sup>3</sup>	Ae in <sup>2</sup>
<b>Web Depth 2.50" Lip 1.00"</b>										
250 J100-18	2.622	2.25	1.00	0.0188	0.0843	0.8999	0.247	0.0679	0.0455	0.0366
250 J100-27	2.636	2.25	1.00	0.0283	0.0796	1.5439	0.685	0.1123	0.0781	0.0754
250 J100-30	2.641	2.25	1.00	0.0312	0.0782	1.7646	0.832	0.1270	0.0893	0.0896
250 J100-33	2.646	2.25	1.00	0.0346	0.0764	2.0359	1.023	0.1448	0.1030	0.1073
<b>Web Depth 2.50" Lip 2.00"</b>										
250 J200-18	2.622	2.25	2.00	0.0188	0.0843	0.8674	0.247	0.0792	0.0439	0.0369
250 J200-27	2.636	2.25	2.00	0.0283	0.0796	1.7070	0.685	0.1442	0.0864	0.0765
250 J200-30	2.641	2.25	2.00	0.0312	0.0782	1.9498	0.832	0.1634	0.0987	0.0910
250 J200-33	2.646	2.25	2.00	0.0346	0.0764	2.2482	1.023	0.1866	0.1138	0.1092
<b>Web Depth 4.00" Lip 1.00"</b>										
400 J100-18	4.122	2.25	1.00	0.0188	0.0843	1.4271	0.152	0.1807	0.0722	0.0373
400 J100-27	4.136	2.25	1.00	0.0283	0.0796	3.0404	0.518	0.3395	0.1539	0.0780
400 J100-30	4.141	2.25	1.00	0.0312	0.0782	3.4461	0.695	0.3818	0.1744	0.0930
400 J100-33	4.146	2.25	1.00	0.0346	0.0764	3.9409	0.948	0.4326	0.1994	0.1121
<b>Web Depth 4.00" Lip 2.00"</b>										
400 J200-18	4.122	2.25	2.00	0.0188	0.0843	1.4113	0.152	0.2075	0.0714	0.0376
400 J200-27	4.136	2.25	2.00	0.0283	0.0796	3.0457	0.518	0.4004	0.1541	0.0791
400 J200-30	4.141	2.25	2.00	0.0312	0.0782	3.6946	0.695	0.4703	0.1870	0.0945
400 J200-33	4.146	2.25	2.00	0.0346	0.0764	4.3807	0.948	0.5456	0.2217	0.1140
<b>Web Depth 6.00" Lip 1.00"</b>										
600 J100-18	6.122	2.25	1.00	0.0188	0.0843	2.1186	0.100	0.4251	0.1072	0.0377
600 J100-27	6.136	2.25	1.00	0.0283	0.0796	4.6117	0.342	0.8177	0.2334	0.0794
600 J100-30	6.141	2.25	1.00	0.0312	0.0782	5.6255	0.459	0.9610	0.2847	0.0949
600 J100-33	6.146	2.25	1.00	0.0346	0.0764	7.0098	0.626	1.1457	0.3547	0.1146
<b>Web Depth 6.00" Lip 2.00"</b>										
600 J200-18	6.122	2.25	2.00	0.0188	0.0843	2.1381	0.100	0.4798	0.1082	0.0380
600 J200-27	6.136	2.25	2.00	0.0283	0.0796	4.5505	0.342	0.9255	0.2303	0.0805
600 J200-30	6.141	2.25	2.00	0.0312	0.0782	5.4838	0.459	1.0839	0.2775	0.0963
600 J200-33	6.146	2.25	2.00	0.0346	0.0764	6.7098	0.626	1.2830	0.3396	0.1166