12-lb A.S.C.E.

RAIL—Section 1240

LBS/YD (Nominal) 12.0
TRACK FEET/Net Ton 250.0
NET TONS/Track Mile 21.1
Stock lengths 30'0"

SPLICE BARS
16⅜" length 2.9 lbs. per pair

16-lb A.S.C.E.

RAIL—Section 1640

LBS/YD (Nominal) 16.0
TRACK FEET/Net Ton 187.5
NET TONS/Track Mile 28.2
Stock lengths 30'0"

SPLICE BARS
16⅜" length 3.6 lbs. per pair
**20-lb A.S.C.E.**

**RAIL—Section 2040**
- LBS/YD (Nominal) 20.0
- TRACK FEET/Net Ton 150.0
- NET TONS/Track Mile 35.2
- Stock lengths 30'0"

**SPLICE BARS**
- 16½" length 4.2 lbs. per pair

**25-lb A.S.C.E.**

**RAIL—Section 2540**
- LBS/YD (Nominal) 25.0
- TRACK FEET/Net Ton 120.0
- NET TONS/Track Mile 44.0
- Stock lengths 30'0"

**SPLICE BARS**
- 16½" length 5.7 lbs. per pair
**30-lb A.S.C.E.**

**RAIL—Section 3040**
- LBS/YD (Nominal): 30.0
- TRACK FEET/Net Ton: 100.0
- NET TONS/Track Mile: 52.8
- Stock lengths 30'0"

**ANGLE BARS**
- 10.9 lbs. per pair

**SPLICE BARS**
- 7.0 lbs. per pair
- 16½" length

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**40-lb A.S.C.E.**

**RAIL—Section 4040**
- LBS/YD (Nominal): 40.0
- TRACK FEET/Net Ton: 75.0
- NET TONS/Track Mile: 70.4
- Stock length 30'0"

**ANGLE BARS**
- 15.2 lbs. per pair

**SPLICE BARS**
- 12.0 lbs. per pair 20" length
60-lb A.S.C.E.

SPECIFICATIONS:

RAIL—Section 6040
LBS/YD (Nominal) 60.0
TRACK FEET/Net Ton 50.0
NET TONS/Track Mile 105.6

Stock lengths 33'0"

ANGLE BARS
20" length 27.2 lbs. per pair
24" length 32.5 lbs. per pair
70-lb A.S.C.E.

SPECIFICATIONS:
RAIL—Section 7040
LBS/YD (Nominal) 69.5
TRACK FEET/Net Ton 42.9
NET TONS/Track Mile 123.2
Stock lengths 33'0" and 39'0"

ANGLE BARS
24" length 40.0 lbs. per pair
80-lb A.S.C.E.

SPECIFICATIONS:

RAIL—Section 8040

LBS/YD (Nominal) 80.2
TRACK FEET/Net Ton 37.5
NET TONS/Track Mile 140.8

Stock lengths 33'0" and 39'0"

ANGLE BARS

24" length 46.0 lbs. per pair
85-lb A.S.C.E.

SPECIFICATIONS:

RAIL—Section 8540

LBS/YD (Nominal) 85.0
TRACK FEET/Net Ton 35.3
NET TONS/Track Mile 149.6

Stock length 39'0"

ANGLE BARS
24" length 49.6 lbs. per pair
(Toeless and Headfree bars also available)
104-lb CRANE RAIL

SPECIFICATIONS:

No. 104 CRANE RAIL

Nominal Wt.—104 lbs. per yard
Stock length 39'0"

JOINT BARS

34" length 60.2 lbs. per pair
Hex Head Bolts 1" x 5" and
Heavy Hex nuts—Heat Treated
and Heavy Duty Lock Washers
105-lb CRANE RAIL

SPECIFICATIONS:

No. 105 CRANE RAIL
Nominal Wt.—105 lbs. per yard
Stock length 39'0"

JOINT BARS
34" length 51.6 lbs. per pair
Hex Head Bolts 7/8" x 5" and
Heavy Hex nuts—Heat Treated
and Heavy Duty Lock Washers
135-lb CRANE RAIL

SPECIFICATIONS:

No. 135 CRANE RAIL

Nominal Wt.—135 lbs. per yard
Stock length 39'0"

JOINT BARS

34" length 57.8 lbs. per pair
Hex Head bolts 1⅛" x 5½" and
Heavy Hex nuts—Heat Treated
and heavy duty Lock Washers
171-lb CRANE RAIL

SPECIFICATIONS
No. 171 CRANE RAIL
Nominal Wt. — 171 lbs. per yard
Stock Length 39'0"

JOINT BARS
34” length 72.1 lbs. per pair
Hex Head bolts 1½” x 6” and
Heavy Hex nuts—Heat Treated and heavy duty Lock Washers
175-lb CRANE RAIL

SPECIFICATIONS:
No. 175 CRANE RAIL
Nominal Wt.— 175 lbs. per yard
Stock Length 39’0”

JOINT BARS
34” length 69.4 lbs. per pair
Hex Head bolts 1½” x 6” and
Heavy Hex Nuts—Heat Treated
and Heavy duty Lock Washers
CRANE RAIL and JOINT BAR DRILLING

STANDARD DRILLING SPECIFICATIONS

All rail can be cut to lengths and drilled to your specifications including the heaviest crane rail sections. For any unusual specifications contact us, we can do it!

ROMAR CRANE STOPS

Designed by Romar rail specialists for maximum safety and fast, efficient installation, at lowest cost. Romar Crane Stops are welded and shaped steel plates, prefabricated in sizes to fit all crane rail and “tee” rail sections, and to conform to standard crane wheel diameters. They are easy to handle and install: just fit over the rail, insert filler blocks and bolt through rail web.

Romar stocks all prefabricated components for fast, accurate assembly to your specifications, and for very prompt deliveries. To order, simply specify rail section, elevation of holes above rail base and diameter of crane wheels.

LOCK WASHERS or Spring Washers can be furnished from stock in 3/8", 5/16" or 1" sizes in heavy duty carbon steel or alloy steel.

TRACK BOLTS

Standard track bolts are button-head oval-neck design, fitted with square nuts. Bolt head and neck are forged steel with U. S. Standard rolled threads, coarse. Nominal diameter, specified as bolt size, is the over-all thread diameter. Length is measured from under the head to the end of the bolt. Track bolt nuts are commonly manufactured to the American Standard heavy unfinished square design.

Romar warehouses stock all sizes of track bolts for immediate delivery in any quantities.

Romar can supply all types of bolts to meet every track requirement. Stocks include heat-treated high strength frog bolts, heat-treated machine bolts for crane rail and crane runway applications.
**Information Needed When Ordering Hook Bolts**
1. Diameter of bolt needed
2. Rail section that bolt is to be used with
3. Channel or beam size on which the rail is sitting

**HOOK BOLTS**
Romar Hook Bolts are used to fasten crane rail securely to its supporting member. They are bolted through rail web, installed in pairs with alternating hooks reversed, and spaced according to capacity of crane. Romar can furnish hook bolts in any size, shape or length to meet each individual requirement.

Romar shops are specially equipped for fast, top quality production of hook bolts in any quantity. Facilities provide cold bending to any shape.
Bar stock is carefully specified and adequately carried in all diameters from ½" through 1½" to assure prompt deliveries.

**RAIL CLAMPS**

PLEASE NOTE:
It is most important to consult your Romar Rail Department for current specifications for rail clips and clamps, to assure proper installation.

Drawings, tables and measurements of clips shown in this catalog have been taken from standard specifications of the manufacturers. Since we have not originated them, we cannot be responsible for changes in dimensions that may be made. However, all sources are recognized as being reliable.

Romar Rail Clips are available in 8 designs to conform to the bases of each of the crane rail and "tee" rail sections, and to fasten them securely to the runway girder.
They are usually installed in pairs opposite each other, and spaced according to capacity of crane.

Clamps are designed for use with standard, heavy crane sections. They are furnished in sets, consisting of a Clamp Plate and Filler Plate, installed opposite each other, and spaced according to capacity of crane. In ordering, specify rail section and number of sets required.
### CRANE RAIL CLIPS

#### TABLE II RAIL CLIP DIMENSIONS

<table>
<thead>
<tr>
<th>CLIP NO.</th>
<th>CRANE RAIL SECTION</th>
<th>CENTERLINE RAIL TO: A</th>
<th>HOLE DIA.</th>
</tr>
</thead>
<tbody>
<tr>
<td>62</td>
<td>104-lb.</td>
<td>2 1/8&quot;</td>
<td>3 1/4&quot;</td>
</tr>
<tr>
<td>62</td>
<td>105-lb.</td>
<td>2 1/8&quot;</td>
<td>3 1/4&quot;</td>
</tr>
<tr>
<td>62</td>
<td>135-lb.</td>
<td>2 1/8&quot;</td>
<td>3 1/4&quot;</td>
</tr>
<tr>
<td>171</td>
<td>171-lb.</td>
<td>3&quot;</td>
<td>4&quot;</td>
</tr>
<tr>
<td>175</td>
<td>175-lb.</td>
<td>3&quot;</td>
<td>4 1/4&quot;</td>
</tr>
</tbody>
</table>

Hole diameter and clip length standard as shown, but may be changed to meet special requirements.

<table>
<thead>
<tr>
<th>CLIP NO.</th>
<th>STANDARD TEE RAIL SECTIONS</th>
<th>HOLE SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>114</td>
<td>12 to 40-lb. ASCE</td>
<td>5/32&quot; Dia.</td>
</tr>
<tr>
<td>120</td>
<td>25 to 50-lb. ASCE &amp; ARA</td>
<td>7/32&quot; Dia.</td>
</tr>
<tr>
<td>103</td>
<td>55 to 100-lb. ASCE</td>
<td>1 1/4&quot; x 5/32&quot;</td>
</tr>
<tr>
<td>106</td>
<td>60 to 100-lb. ASCE</td>
<td>1 1/4&quot; x 5/32&quot;</td>
</tr>
<tr>
<td>128</td>
<td>60 to 100-lb. ARA-B</td>
<td>1 1/4&quot; x 5/32&quot;</td>
</tr>
<tr>
<td>62</td>
<td>115, 131 and 132-lb. AREA</td>
<td>1 1/4&quot; Dia.</td>
</tr>
<tr>
<td>62</td>
<td>130-lb. PS</td>
<td>1 1/4&quot; Dia.</td>
</tr>
</tbody>
</table>

Bolt holes standard as shown, but may be changed for special requirements.
SINGLE CLAMP AND HOLDER No. K-107
These heavy fasteners are used to anchor crane rails to supporting beams. The holder is usually welded to supporting member, but can be bolted when specified. Furnished complete with bolts and lock washers.

Rail Clips with Eccentric Fillers

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>20#AS</td>
<td>5 1/4&quot;</td>
<td>201</td>
<td>202</td>
</tr>
<tr>
<td>25#AS</td>
<td>5 1/4&quot;</td>
<td>251</td>
<td>252</td>
</tr>
<tr>
<td>30#AS</td>
<td>5 1/4&quot;</td>
<td>301</td>
<td>302</td>
</tr>
<tr>
<td>40#AS</td>
<td>6&quot;</td>
<td>401</td>
<td>402</td>
</tr>
<tr>
<td>60#AS</td>
<td>6 1/4&quot;</td>
<td>601</td>
<td>602</td>
</tr>
<tr>
<td>70#AS</td>
<td>7 1/4&quot;</td>
<td>701</td>
<td>702</td>
</tr>
<tr>
<td>75#AS</td>
<td>7 1/4&quot;</td>
<td>751</td>
<td>752</td>
</tr>
<tr>
<td>80#AS</td>
<td>7 1/2&quot;</td>
<td>801</td>
<td>802</td>
</tr>
<tr>
<td>85#AS</td>
<td>7 1/2&quot;</td>
<td>851</td>
<td>852</td>
</tr>
<tr>
<td>90#AS</td>
<td>7 1/2&quot;</td>
<td>901</td>
<td>902</td>
</tr>
<tr>
<td>100#AS</td>
<td>8 1/4&quot;</td>
<td>1001</td>
<td>1002</td>
</tr>
</tbody>
</table>

13/16" Diameter Holes are standard.

Note:

Clips with eccentric fillers are used where small gage adjustments are required. Through positioning of the eccentric fillers, the adjustment range is 3/16 in.

Both single clips (with one eccentric filler per clip) and double clips (with one filler per clip) are available for rail weights of 20 to 100 lb.
Pressed Clip and Reversible Filler, Tight Fit

R-201 single
R-202 double

1 1/2" HOLES FOR 1" BOLTS

SINGLE CLIPS AND FILLERS ARE HALF LENGTH

1/2" HOLE FOR 1" BOLTS

REVERSIBLE FILLER

DOUBLE CLIP

BASE

GAGE

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>104-CR</td>
<td>5 in.</td>
<td>7 1/2 in.</td>
<td>1/2 in.</td>
<td>1.6 lb</td>
<td>3.2 lb</td>
<td>1.05 lb</td>
<td>2.1 lb</td>
</tr>
<tr>
<td>135-CR</td>
<td>5 1/2 in.</td>
<td>8 in.</td>
<td>1/2 in.</td>
<td>1.6 lb</td>
<td>3.2 lb</td>
<td>1.05 lb</td>
<td>2.1 lb</td>
</tr>
<tr>
<td>171-CR</td>
<td>6 in.</td>
<td>8 1/2 in.</td>
<td>1/2 in.</td>
<td>1.6 lb</td>
<td>3.2 lb</td>
<td>1.3 lb</td>
<td>2.6 lb</td>
</tr>
<tr>
<td>175-CR</td>
<td>6 in.</td>
<td>8 1/2 in.</td>
<td>1/2 in.</td>
<td>1.6 lb</td>
<td>3.2 lb</td>
<td>1.05 lb</td>
<td>2.1 lb</td>
</tr>
</tbody>
</table>

NOTE: Clearances L (left) and R (right) can be varied by reversing the filler.
R-301 single
R-302 double

Pressed Clip and Reversible Filler, Loose Fit

<table>
<thead>
<tr>
<th>Rail Sec.</th>
<th>Base Width</th>
<th>Gage to Ø holes</th>
<th>Filler Thickness T</th>
<th>Est. Wt. Clip</th>
<th>Est. Wt. Filler</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Single</td>
<td>Double</td>
</tr>
<tr>
<td>104-CR</td>
<td>5 in.</td>
<td>7¼ in.</td>
<td>⅛ in.</td>
<td>1.6 lb</td>
<td>3.2 lb</td>
</tr>
<tr>
<td>135-CR</td>
<td>5⅜ in.</td>
<td>8 in.</td>
<td>⅛ in.</td>
<td>1.6 lb</td>
<td>3.2 lb</td>
</tr>
<tr>
<td>171-CR</td>
<td>6 in.</td>
<td>8¼ in.</td>
<td>¼ in.</td>
<td>1.6 lb</td>
<td>3.2 lb</td>
</tr>
<tr>
<td>175-CR</td>
<td>6 in.</td>
<td>8⅛ in.</td>
<td>⅛ in.</td>
<td>1.6 lb</td>
<td>3.2 lb</td>
</tr>
</tbody>
</table>

NOTE: Clearances L (left) and R (right) can be varied by reversing the filler.