Surface raceway and lighting systems

Material
Superstrut electrical raceway, fixture hanging channel, closure strip and accessories are manufactured from hot-rolled strip steel. Standard finish for the accessories is GoldGalv®.

Design data
Deflections at various hanger rod spacings for raceway channels based on 40 to 45 lb per fixture.

### Deflection

<table>
<thead>
<tr>
<th>Channel</th>
<th>at 10 ft. (in.)</th>
<th>at 12 ft. (in.)</th>
<th>at 14 ft. (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1200</td>
<td>1⁄4</td>
<td>1⁄4</td>
<td>1⁄4</td>
</tr>
<tr>
<td>C1200</td>
<td>1⁄4</td>
<td>1⁄4</td>
<td>1⁄4</td>
</tr>
<tr>
<td>A1400</td>
<td>1⁄4</td>
<td>1⁄4</td>
<td>1⁄4</td>
</tr>
</tbody>
</table>

*Not recommended for this spacing.

Electrical raceway
Superstrut channel together with snap-in closure strip is listed by Underwriters Laboratories as a surface metal raceway. Other accessories listed by Underwriters Laboratories are identified on the drawings.

**Maximum number of wires**

<table>
<thead>
<tr>
<th>Wire size</th>
<th>A1200</th>
<th>A1400</th>
<th>B1200</th>
<th>B1400</th>
<th>C1200</th>
<th>E1200</th>
<th>H1200</th>
</tr>
</thead>
<tbody>
<tr>
<td>AWG 14</td>
<td>6</td>
<td>10</td>
<td>4</td>
<td>6</td>
<td>5</td>
<td>10</td>
<td>6</td>
</tr>
<tr>
<td>AWG 12</td>
<td>6</td>
<td>10</td>
<td>3</td>
<td>6</td>
<td>4</td>
<td>10</td>
<td>6</td>
</tr>
<tr>
<td>AWG 10</td>
<td>5</td>
<td>8</td>
<td>4</td>
<td>6</td>
<td>5</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>AWG 8</td>
<td>4</td>
<td>6</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>AWG 6</td>
<td>2</td>
<td>3</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Column A: Suitable for number of wires indicated when used as a raceway. Also suitable for number of wires indicated when installed to support and supply electrical fixtures when wiring is suitable for not less than 75 °C.

By providing clearance between fixture and raceway of not less than 1⁄16 in., where suitable for 60 °C may be used.

*Column B: Suitable for number of wires indicated when used as a raceway. Also suitable for number of wires indicated when installed to support electrical fixtures when clearance of not less than 1⁄8 in. is provided between raceway and fixture and when wiring is suitable for 75 °C.

Applicable channels
- A1200
- A1200-KO
- A1400
- A1400-KO
- B1200
- B1400
- C1200
- E1200
- H1200
Surface raceway and lighting systems
Fixture fittings

<table>
<thead>
<tr>
<th>Cat. no.</th>
<th>For channel</th>
<th>Wt./C lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>A802EG</td>
<td>A series</td>
<td>158</td>
</tr>
<tr>
<td>B802EG</td>
<td>B series</td>
<td>112</td>
</tr>
<tr>
<td>E802EG</td>
<td>E series</td>
<td>170</td>
</tr>
<tr>
<td>H802</td>
<td>H series</td>
<td>182</td>
</tr>
</tbody>
</table>

01 802 Raceway joiner with reinforcing plate
Furnished complete with nuts.

<table>
<thead>
<tr>
<th>Cat. no.</th>
<th>A (in.)</th>
<th>For channel</th>
<th>Wt./C lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>A822</td>
<td>1 1/4</td>
<td>A series</td>
<td>75</td>
</tr>
<tr>
<td>B822</td>
<td>1 1/2</td>
<td>B series</td>
<td>56</td>
</tr>
</tbody>
</table>

03 A213 Inside joiner
For Al200 series channel.
Only available in GoldGalv® finish.

04 805 End cap with knockout
KD for 1/4 in. conduit. Furnished complete with 1/4 in. flat head machine screw and AB100-1/4 nut.

05 809 Tapped end cap
12 ga. steel. For 1/8 in. or 1 in. conduit. Furnished complete with 1/4 in. x 1/8 in. flat head machine screw and AB100-1/4 nut.

06 A853 Channel hanger
Use hanger rod 1/4 in. or 1/2 in. Use with A, AR, B, BR or C series single channel. Wt./C 25 lb

07 A853L Channel hanger – long
Long type for all series channel. Wt./C 48 lb

08 A854 Channel hanger
Illustration showing A854 with nut and bolt furnished to attach to fluorescent fixture. Use with A, B, C or D series channel. Wt./C 34 lb

09 A854L Channel hanger – long
Illustration showing A854L with nut and bolt furnished to attach to fluorescent fixture. Use with E and H series channel as well as A, B, C or D series channel. Wt./C 51 lb
Surface raceway and lighting systems
Fixture fittings

Pre-galvanized steel closure strip
AB844PGC
AB844PGCWH  White epoxy powder coated

Plastic closure strip
AB844PC  Color: Gold
AB844PCGY  Color: Grey

- When used as a raceway, channel is normally installed with the slot up. After wiring has been completed the closure strip is installed.
- For all channels.
- Standard length: 10 ft.

Stainless steel closure strip
AB844SS6CS

Note: Strapping not included.

<table>
<thead>
<tr>
<th>#</th>
<th>Description</th>
<th>Specifications</th>
<th>Cat. no.</th>
<th>Wt./C (lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>07</td>
<td>04 AB867 Spacer</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>08</td>
<td>For use with AB866 wiring stud nuts.</td>
<td></td>
<td>811-1STR</td>
<td>8</td>
</tr>
<tr>
<td>09</td>
<td>Wt./C 24 lb</td>
<td></td>
<td>811-2STR</td>
<td>9</td>
</tr>
<tr>
<td>10</td>
<td>07 812 Stud nut</td>
<td></td>
<td>811-1EG</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>For attaching fixture to slot-down channel or to slot-up knockouts.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Specify length. Hex nut included.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- 01 AB803 Cast conduit connector To connect 1/4 in. or 3/8 in. conduit to raceway channel. Furnished complete with stud nuts and hex nuts. Part has removable bushing to increase size from 1/4 in. to 3/8 in. Wt./C 60 lb
- 02 AB815 Swing connector Nuts and bolts to clamp to channel is included. For 1/4 in. or 3/8 in. conduit. Wt./C 95 lb
- 03 AB885 15° Swivel Nuts and bolts to clamp to channel included. For 1/4 in. or 3/8 in. conduit. Wt./C 25 lb

All dimensions shown are in in.
Surface raceway and lighting systems
Kindorf® channel boxes and receptacles

01 G2000
Finish – GoldGalv®
Wt./C 110 lb

02 G2001
Finish – GoldGalv®
Wt./C 120 lb

03 G2002
Finish – GoldGalv®
Wt./C 120 lb

04 G2003
Finish – GoldGalv®
Wt./C 130 lb

05 G2004
Finish – GoldGalv®
Wt./C 140 lb

06 G1038 Duplex outlet
Complete unit including housing, standard duplex 3-wire, 15 amp., 125 volt, ground receptacle and cover plate. Finish – GoldGalv®
Wt./C 55 lb

07 G1038A Single outlet
Complete unit including housing, standard single 3-wire, 15 amp., 125 volt, ground receptacle and cover plate. Finish – GoldGalv®
Wt./C 50 lb

08 G1038D Raceway outlet Complete unit including housing, duplex, 3-wire, 15 amp., 277 volt-twistlock receptacle and cover plate. Finish – GoldGalv®
Wt./C 60 lb

09 G1038E Raceway outlet Complete unit including housing, single, 3-wire, 15 amp., 277 volt-twistlock receptacle and cover plate. Finish – GoldGalv®
Wt./C 50 lb

10 G1038B Housing only
Finish – GoldGalv®
Wt./C 25 lb

11 G1038C Duplex cover plate
Finish – GoldGalv®
Wt./C 12 lb

12 G1038CA Single cover plate
Size of opening: 1.391 in. diameter
Finish – GoldGalv®
Wt./C 14 lb

13 G1038CX Blank cover plate
Finish – GoldGalv®
Wt./C 15 lb
Surface raceway and lighting systems
Kindorf® fixture accessories

G1017 Mercury vapor hanger

<table>
<thead>
<tr>
<th>Used with channel</th>
<th>Depth (in.)</th>
<th>Wt./C lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-1200</td>
<td>4 1/4</td>
<td>76</td>
</tr>
</tbody>
</table>

Finish – GoldGalv®
To support high or low bay mercury vapor or heavy incandescent fixtures from raceway channels. Permits plug-in connections with G-1038 raceway outlets.

G972HB1/2 Steel fixture hanger adapter

Finish – GoldGalv®
The hanger adapter securely mounts the fixture hanger or box to the channel through the 1/8 in. KO in the base. No special tools are needed for installation of fittings and fixtures. Superstrut channels, with 1/8 in. KO’s every 6 in., hangs and feeds the fixtures, thereby simplifying installation. Wt./C 17 lb

Electrical applications
Surface raceway and lighting systems
Electrical applications
Surface raceway and lighting systems
Electrical applications