



Steel,  
Hot-dip galvanized



Classified by UL as equipment grounding conductors per NEC 392.7. (UL File No. E60796)

**GENERAL INFORMATION**

- NEMA TRAY TYPE:** Two Rail Ladder
- NEMA CLASS:** 20A, 16B
- CSA CLASS:** N/A
- MATERIAL:** Commercial quality steel / ASTM A-1008 / A-1011
- SIDE RAIL:** 4" high with 1 3/4" top flange
- LOAD DEPTH:** 3"
- BOTTOM:** 1" wide box rung
- FINISH:** Hot-dip galvanized after fabrication / ASTM A-123
- CONSTRUCTION:** Arc welded
- TRAY SERIES:** Series 2 (5" tangent)

**ENGINEERING INFORMATION**

- TRAY DESIGN:** Construction and markings are per the latest edition of NEMA Standards Pub. VE1.
- TRAY GROUNDING CAPABILITY:** Classified as an equipment grounding conductor per N.E.C. 392.7 with a maximum 200 ampere rating. UL Cross Sectional area: 0.70 in<sup>2</sup>
- CONNECTORS:** Supplied in pairs with hardware. Splice resistance is less than 0.00033 ohms. Standard hardware: 3/8 in. cadmium-plated with yellow zinc topcoat. Stainless steel hardware is available upon request.
- MECHANICAL PROPERTIES:** One rail: I x-x = 1.0593in<sup>3</sup> S x-x = 0.5860in<sup>4</sup>

TRAY WIDTH (IN.)	TRAY WEIGHT* (LBS./FT.)
6	3.33
9	3.51
12	3.69
18	4.06
24	4.42
30	4.79
36	5.15

\*Based on 9" rung spacing

SAFE LOAD DATA (LBS./FT.) / SUPPORT SPAN (FT.) / DEFLECTION (IN.)																							
6	8	10	12	14	16	18	20	22	24	26	28	30											
439	0.20	338	0.51	216	0.79	150	1.14	110	1.55	84	2.02	67	2.56	54	3.16	44	3.74	34	4.07				

**CATALOG NUMBERING EXAMPLE:**

**09 - 1D80 - 0020 - 36**

<p><b>Bottom Type</b></p> <ul style="list-style-type: none"> <li>06 - 6" Rung Spacing</li> <li>09 - 9" Rung Spacing*</li> <li>12 - 12" Rung Spacing</li> <li>18 - 18" Rung Spacing</li> </ul> <p><small>* Standard rung spacing</small></p>	<p><b>Tray System Number</b></p> <p>1D80</p>	<p><b>Length</b></p> <ul style="list-style-type: none"> <li>0010 - 10'-0"</li> <li>0012 - 12'-0"</li> <li>0020* - 20'-0"</li> <li>0024 - 24'-0"</li> </ul> <p><small>* Standard for Series 2</small></p>	<p><b>Width</b></p> <ul style="list-style-type: none"> <li>06 - 6"</li> <li>09 - 9"</li> <li>12 - 12"</li> <li>18 - 18"</li> <li>24 - 24"</li> <li>30 - 30"</li> <li>36 - 36"</li> </ul>
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