

# ProLine G2 Grid Network/Rail System



ProLine G2 Grid Straps can be used to create a mounting or support network within the frame. The Grid Straps are furnished in pairs and available in three designs: full-height vertical, horizontal with mounting brackets, and single-piece horizontal with integrated tabs. Horizontal Grid Straps can be mounted front-to-back between frame verticals (depth-mounted), side-to-side between frame verticals or depth-mounted Grid Straps (width-mounted), or even vertically between Grid Straps. Vertical Grid Straps are used to span the full height of an enclosure.

## FEATURES

Quick installation of grid strap(s) using the patented front-load BV-M6 fastener (Blind, Variable M6 screw based fastener), which is an innovative alternative to cage nuts or self-tapping screws

Mounting hole pattern is 25-mm on center, alternating round and rectangular holes to accommodate various hardware: rectangular holes accept BV-M6 fasteners or front-loading cage nuts

Horizontal grid straps are offered in both 1-row and 3-row configurations, as well as bracket or tabbed (single-piece) mounting options

Width-mounting Grid Straps requires an increase in length of 100mm over the nominal frame width (i.e. 600mm wide enclosure requires 700mm grid strap)

Horizontal, Bracket-Mount Grid Straps: Mounting brackets are installed using a single BV-M6 (or front-loading cage nut) per bracket. Grid Strap hooks onto the mounted brackets, and snaps into place for easy installation; this design Grid Strap can be mounted vertically between other Grid Straps, as the assembly is on a single plane

Horizontal, Tab-Mount, Single-Piece Grid Straps: Grid Strap is constructed from a single piece, with a jogged tab that allows the Grid Strap to sit flush with the frame; this design Grid Strap should not be used when mounting vertically between other Grid Straps, as the jogged tab introduces a second plane which may interfere with cover installation on the sides

Furnished in pairs, and constructed from 14 gauge (1.75mm) conductive steel

SPECIFICATIONS

Thickness: 1.9mm  
Finish: Galvanized

| Table 1/1      |                |        |       |       |            |                  |
|----------------|----------------|--------|-------|-------|------------|------------------|
| Catalog Number | Article Number | Height | Width | Depth | Material   | Fits Frame Width |
| P2G1R15        | 31857          |        |       |       | Mild Steel | 1400mm           |
| P2G1R17        | 31858          |        |       |       | Mild Steel | 1600mm           |
| P2G1R6         | 31865          | 25mm   | 24mm  | 440mm | Mild Steel | 500mm            |
| P2G3R6         | 31881          | 75mm   | 24mm  | 440mm | Mild Steel | 500mm            |
| P2G3R7         | 31882          | 75mm   | 24mm  | 540mm | Mild Steel | 600mm            |
| P2G3R8         | 31883          | 75mm   | 24mm  | 640mm | Mild Steel |                  |
| P2G3R9         | 31884          | 75mm   | 24mm  | 740mm | Mild Steel | 800mm            |
| P2G1RT4        | 36161          |        |       |       | Mild Steel |                  |
| P2G1RT5        | 36162          |        |       |       | Mild Steel | 400mm            |
| P2G1R10        | 31854          |        |       |       | Mild Steel |                  |
| P2G1R11        | 31855          |        |       |       | Mild Steel | 1000mm           |
| P2G1R13        | 31856          |        |       |       | Mild Steel | 1200mm           |
| P2G1R19        | 31862          |        |       |       | Mild Steel | 1800mm           |
| P2G1R4         | 31863          |        |       |       | Mild Steel |                  |
| P2G1R5         | 31864          |        |       |       | Mild Steel | 400mm            |
| P2G1R7         | 31866          |        |       |       | Mild Steel | 600mm            |
| P2G1R8         | 31867          |        |       |       | Mild Steel |                  |

| Catalog Number | Article Number | Height | Width | Depth | Material   | Fits Frame Width |
|----------------|----------------|--------|-------|-------|------------|------------------|
| P2G1R9         | 31868          |        |       |       | Mild Steel | 800mm            |
| P2G1RT10       | 36167          |        |       |       | Mild Steel |                  |
| P2G1RT6        | 36163          |        |       |       | Mild Steel |                  |
| P2G1RT7        | 36164          |        |       |       | Mild Steel | 600mm            |
| P2G1RT8        | 36165          |        |       |       | Mild Steel |                  |
| P2G1RT9        | 36166          |        |       |       | Mild Steel | 800mm            |
| P2G3R10        | 31871          |        |       |       | Mild Steel |                  |
| P2G3R11        | 31872          |        |       |       | Mild Steel | 1000mm           |
| P2G3R13        | 31873          |        |       |       | Mild Steel | 1200mm           |
| P2G3R15        | 31874          |        |       |       | Mild Steel | 1400mm           |
| P2G3R17        | 31875          |        |       |       | Mild Steel | 1600mm           |
| P2G3R19        | 31876          |        |       |       | Mild Steel | 1800mm           |
| P2G3R4         | 31877          |        |       |       | Mild Steel |                  |
| P2G3R5         | 31878          |        |       |       | Mild Steel | 400mm            |
| P2G3RT10       | 36176          |        |       |       | Mild Steel |                  |
| P2G3RT4        | 36168          |        |       |       | Mild Steel |                  |
| P2G3RT5        | 36171          |        |       |       | Mild Steel | 400mm            |
| P2G3RT6        | 36172          |        |       |       | Mild Steel |                  |
| P2G3RT7        | 36173          |        |       |       | Mild Steel | 600mm            |
| P2G3RT8        | 36174          |        |       |       | Mild Steel |                  |

| Catalog Number | Article Number | Height | Width | Depth | Material   | Fits Frame Width |
|----------------|----------------|--------|-------|-------|------------|------------------|
| P2G3RT9        | 36175          |        |       |       | Mild Steel | 800mm            |
| P2GV3R10       | 31906          |        |       |       | Mild Steel |                  |
| P2GV3R12       | 31907          |        |       |       | Mild Steel |                  |
| P2GV3R14       | 31908          |        |       |       | Mild Steel |                  |
| P2GV3R16       | 31911          |        |       |       | Mild Steel |                  |
| P2GV3R18       | 31912          |        |       |       | Mild Steel |                  |
| P2GV3R20       | 31913          |        |       |       | Mild Steel |                  |
| P2GV3R22       | 31914          |        |       |       | Mild Steel |                  |
| P2GV3R6        | 31915          |        |       |       | Mild Steel |                  |
| P2GV3R8        | 31916          |        |       |       | Mild Steel |                  |

## WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at [www.nvent.com](http://www.nvent.com) and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.



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