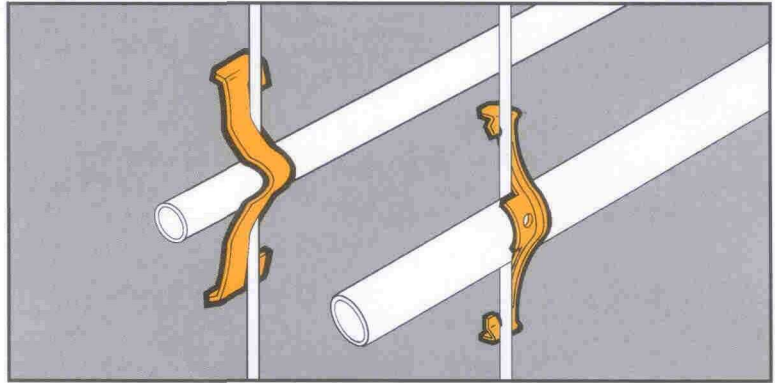


Rod & Wire Fasteners

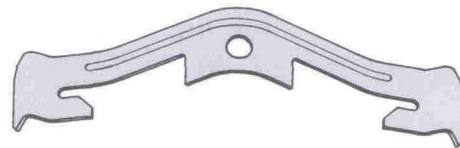
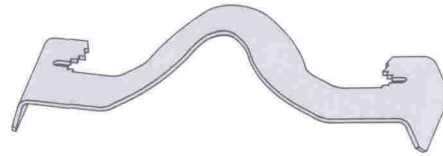
FEATURES

- Attaches conduit to rods or flanges.
- Can be used for flexible metallic tubing, armored cable, portable cable, control cable, and communication cable.

APPLICATIONS



| PART NUMBER | UPC NO. 781011 | BOX QTY. |
|--------------|----------------|----------|
| BW-8 | 19710 | 100 |
| BW-12 | 19715 | 100 |
| BW-16 | 19720 | 100 |
| BW-20 | 19725 | 100 |



Note: An independent means of support is required by NEC Article 300-11. Refer to pages 136 to 139 for additional support methods.

| Conduit Size | #10 & #12 Wire | #8 & #9 Wire | 3/16" & 1/4" Rod | 1/8" to 1/4" Flange | 5/16" to 3/8" Flange | 7/16" to 1/2" Flange |
|--------------|----------------|--------------|------------------|---------------------|----------------------|----------------------|
| 1/2" EMT | BW-8 | BW-8 | BW-8 | BW-8 | BW-12 | BW-12 |
| 1/2" RIGID | BW-8 | BW-12 | BW-12 | BW-12 | BW-12 | BW-16 |
| 3/4" EMT | BW-12 | BW-12 | BW-12 | BW-12 | BW-16 | BW-16 |
| 3/4" RIGID | BW-12 | BW-12 | BW-16 | BW-16 | BW-20* | BW-20* |
| 1" EMT | --- | BW-16 | BW-16 | BW-16 | BW-20* | BW-20* |
| 1" RIGID | --- | --- | --- | BW-20* | BW-20* | BW-20* |
| 1 1/4" EMT | --- | BW-20 | BW-20 | BW-20 | --- | --- |

*Note: For horizontal applications only.

Static Load Capacity

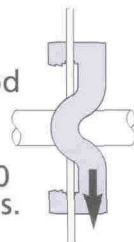
Vertical Flange

25 Lbs.



Vertical Wire or Rod

50 Lbs.



Horizontal Flange

100 Lbs.



Read safety/installation instruction sheets in packages before use.

Materials

| STEEL | SPECIFICATION |
|--------------------------|-------------------------|
| High Carbon Cold Rolled | ASTM A684, AISI 1055 |
| Electrolytic Zinc Coated | ASTM A591 |
| Pre-Galvanized | ASTM A653 |

STEEL

B-Line's spring steel fasteners are manufactured from spheroidized annealed high carbon cold rolled steel (ASTM A684, AISI 1055). Mild steel fasteners are manufactured from electrolytic zinc coated steel (ASTM A591) or pre-galvanized steel (ASTM A653).

Electrolytic zinc coated and pre-galvanized steel is produced by coating coils of sheet steel with zinc at the mills. These coils are then slit to size and fabricated into B-Line products.

HEAT TREATMENT

B-Line spring steel fasteners are heat treated to make the steel hard and give the parts their spring quality and strength. The hardness for a given fastener depends on the required load carrying capacity and the application.

LOAD DATA

The design load ratings for B-Line fasteners are specified in this catalog as *static load capacity* or *ultimate static load capacity*. By definition, the listed static load capacity has a safety factor of three (3.0), the listed ultimate static load capacity has *no* safety factor. In either case, these stated loads are not to be exceeded, and loads should be applied only as depicted in the catalog and/or installation sheets. The load capacity of a fastener having more than one component is equal to the load capacity of the lowest rated component.

Fasteners having no load ratings are designed for proper placement of boxes, conduit, etc., and not for supporting loads.

B-Line fasteners are designed for use with support members (e.g.: angle iron, bar joists, beams, columns, flanges, purlins, wire, rod) that comply with the applicable AISI standards and threaded rod that complies with the applicable ANSI standards.

QUALITY ASSURANCE

B-Line has an established Q.C. program in which raw material and finished products are sampled, inspected and tested by certified inspectors to assure that all applicable standards are met. B-Line's fasteners are manufactured in controlled lots and each part is identified by a lot number stamped into the part. This number allows B-Line to track each step of the manufacturing process including raw material, die set-up, heat treating, and finishing. Samples are tested to verify correct hardness, corrosion resistance and load carrying capacity.