



# Maxi-Grip Stiffeners

Smith-Blair Maxi-Grip Stiffeners for Polyethylene and IPS PVC Pipe are designed to provide pipe support when installing couplings and other products requiring compression set on pipe surfaces.



## Features:

- Easy identification:
  - Color coded to identify which PE SDR the stiffener is made for
  - Catalog number and description stenciled/stamped on each part.
- Beveled end for an easier start.
- Designed to help prevent over insertion (flanged or weld bead).

## Material Specifications

|                    |                                                           |              |
|--------------------|-----------------------------------------------------------|--------------|
| <b>Stiffener:</b>  | Carbon Steel                                              |              |
| <b>Finish:</b>     | Fusion bonded epoxy <sup>a</sup> , unless otherwise noted |              |
| <b>Color Code:</b> | SDR 17                                                    | Purple Epoxy |
|                    | SDR 13.5                                                  | White Epoxy  |
|                    | SDR 11.5                                                  | Red Epoxy    |
|                    | SDR 11                                                    | Black Epoxy  |
|                    | SDR 10                                                    | Gray Epoxy   |
|                    | SDR 9.3                                                   | Blue Epoxy   |
|                    | SDR 9                                                     | Yellow Epoxy |
|                    | SDR 7                                                     | Pink Paint   |

Material Specifications are subject to change.

**Note:** The stiffener is required to fit snugly into the PE pipe to ensure proper support.

Smith-Blair, Inc. products are marked in accordance with D.O.T. Regulation 192, Paragraph 192.63 (A) (2).

| Nom. Pipe Size Inches | Pipe O.D. Inches | *SDR | Stiffener O.D. | Stiffener Length | Catalog Number | Wt. Each Lbs. |
|-----------------------|------------------|------|----------------|------------------|----------------|---------------|
| 1 1/4                 | 1.660            | 6    | 1.050          | 8                | C10508         | 0.33          |
|                       |                  | 9    | 1.254          | 8                | C12548         | 1.00          |
|                       |                  | 9.3  | 1.260          | 8                | C12608         | 1.00          |
|                       |                  | 10   | 1.286          | 8                | C12868         | 1.00          |
|                       |                  | 11   | 1.312          | 8                | C13128         | 1.14          |
|                       |                  | 13.5 | 1.400          | 8                | C14008         | 1.23          |
|                       |                  | 17   | 1.434          | 8                | C14348         | 0.68          |
| 2                     | 2.375            | 9    | 1.812          | 8                | C18128         | 1.45          |
|                       |                  | 9.3  | 1.823          | 8                | C18238         | 1.47          |
|                       |                  | 11   | 1.900          | 8                | C19008         | 1.50          |
|                       |                  | 13.5 | 2.000          | 8                | C20008         | 1.50          |
|                       |                  | 17   | 2.075          | 8                | C20758         | 1.50          |
|                       |                  | 21   | 2.125          | 8                | C21258         | 1.93          |
|                       |                  | 26   | 2.175          | 8                | C21758         | 1.95          |
| 3                     | 3.500            | 9    | 2.665          | 8                | C26658         | 1.80          |
|                       |                  | 9.3  | 2.688          | 8                | C26888         | 1.80          |
|                       |                  | 11   | 2.812          | 8                | C28128         | 1.82          |
|                       |                  | 11.5 | 2.844          | 8                | C28448         | 1.85          |
|                       |                  | 13.5 | 2.950          | 8                | C29508         | 2.50          |
|                       |                  | 17   | 3.074          | 8                | C30748         | 3.09          |
|                       |                  |      |                |                  |                |               |
| 4                     | 4.500            | 9    | 3.435          | 8                | C34358         | 3.25          |
|                       |                  | 9.3  | 3.460          | 8                | C34608         | 3.25          |
|                       |                  | 11   | 3.606          | 8                | C36068         | 3.06          |
|                       |                  | 11.5 | 3.625          | 8                | C36258         | 3.07          |
|                       |                  | 13.5 | 3.800          | 8                | C38008         | 3.51          |
|                       |                  | 17   | 3.940          | 8                | C39408         | 5.68          |
|                       |                  | 21   | 4.046          | 8                | C40468         | 7.38          |
| 6                     | 6.625            | 9    | 5.049          | 8                | C50498         | 6.00          |
|                       |                  | 9.3  | 5.105          | 8                | C51058         | 6.00          |
|                       |                  | 11   | 5.340          | 8                | C53408         | 6.10          |
|                       |                  | 11.5 | 5.362          | 8                | C53628         | 6.57          |
|                       |                  | 13.5 | 5.540          | 8                | C55408         | 10.46         |
|                       |                  | 17   | 5.800          | 8                | C58008         | 10.00         |
|                       |                  | 21   | 5.905          | 8                | C59058         | 9.00          |

<sup>a</sup>Fusion bonded epoxy is for SDR color identification, not for corrosion protection.

\*According to ASTM D-2513

Catalog number corresponds to the O.D. and effective length of the stiffener.



## Maxi-Grip Stiffeners for Polyethylene Pipe

| Nom. Pipe Size Inches | Pipe O.D. Inches | *SDR | Stiffener O.D. | Stiffener Length | Catalog Number | Wt. Each Lbs. |
|-----------------------|------------------|------|----------------|------------------|----------------|---------------|
| 8                     | 8.625            | 9    | 6.568          | 8                | C65688         | 10.50         |
|                       |                  | 9.3  | 6.625          | 8                | C66258         | 11.00         |
|                       |                  | 11   | 6.924          | 8                | C69248         | 12.00         |
|                       |                  | 11.5 | 7.000          | 8                | C70008         | 13.00         |
|                       |                  | 13.5 | 7.233          | 8                | C72338         | 15.00         |
|                       |                  | 17   | 7.510          | 8                | C75108         | 14.00         |
|                       |                  | 21   | 7.694          | 8                | C76948         | 14.00         |
| 10                    | 10.750           | 9    | 8.170          | 10               | C817010        | 16.25         |
|                       |                  | 11   | 8.650          | 10               | C865010        | 16.50         |
|                       |                  | 11.5 | 8.717          | 10               | C871710        | 16.60         |
|                       |                  | 13.5 | 9.030          | 10               | C903010        | 18.00         |
|                       |                  | 17   | 9.380          | 10               | C938010        | 18.50         |
| 12                    | 12.750           | 11   | 10.268         | 10               | C1026810       | 22.50         |
|                       |                  | 11.5 | 10.360         | 10               | C1036010       | 23.25         |
|                       |                  | 13.5 | 10.725         | 10               | C1072510       | 24.25         |
|                       |                  | 17   | 11.150         | 10               | C1115010       | 25.25         |

\*According to ASTM D-2513

Catalog number corresponds to the O.D. and effective length of the stiffener.

Other sizes are available on request.

Expanded stiffener with PE pup available for larger sizes (6" nominal and up).

## Maxi-Grip Stiffeners for IPS PVC Pipe

| Nom. Pipe Size Inches | Pipe O.D. Inches | **Schedule | Stiffener O.D. | Stiffener Length | Catalog Number | Wt. Each Lbs. |
|-----------------------|------------------|------------|----------------|------------------|----------------|---------------|
| 1 1/4                 | 1.660            | 40         | 1.360          | 8                | C13608         | 1.13          |
|                       |                  | 80         | 1.250          | 8                | C12508         | 1.00          |
|                       |                  | 120        | 1.204          | 8                | C12048         | 0.77          |
| 2                     | 2.375            | 40         | 2.047          | 8                | C20478         | 1.28          |
|                       |                  | 80         | 1.913          | 8                | C19138         | 1.50          |
|                       |                  | 120        | 1.845          | 8                | C18458         | 1.63          |
| 3                     | 3.500            | 40         | 3.042          | 8                | C30428         | 3.0           |
|                       |                  | 80         | 2.875          | 8                | C28758         | 17.0          |
|                       |                  | 120        | 2.758          | 8                | C25788         | 15.0          |
| 4                     | 4.500            | 40         | 4.000          | 8                | C40008         | 7.0           |
|                       |                  | 80         | 3.789          | 8                | C37868         | 6.0           |
|                       |                  | 120        | 3.574          | 8                | C35748         | 26.0          |
| 6                     | 6.625            | 40         | 6.031          | 8                | C60318         | 10.0          |
|                       |                  | 80         | 5.709          | 8                | C57098         | 12.0          |
|                       |                  | 120        | 5.434          | 8                | C54348         | 9.0           |
| 8                     | 8.625            | 40         | 7.942          | 8                | C79428         | 16.0          |
|                       |                  | 80         | 7.565          | 8                | C75658         | 14.0          |
|                       |                  | 120        | 7.105          | 8                | C71058         | 15.0          |

\*\*According to ASTM D-1785