

# PIPE COVERING PROTECTION SADDLES

## PIPE SADDLE FOR 1" INSULATION

Available in stainless steel.  
To order, specify 304 or 316 and add  
suffix SS to figure number.  
Price on request.

**FUNCTION:** Designed to protect insulation on high temperature pipe lines.  
The saddle is furnished with notches to minimize surface  
contact with the pipe, thereby keeping heat loss to a minimum.

**APPROVALS:** Complies with Federal Specifications A-A-1192A (Type 39) and  
Manufacturers' Standardization Society ANSI/SP-69 and SP-58  
(Type 39).

**MATERIAL:** Low carbon steel

**FINISH:** Plain or Electro-galvanized

**ORDERING:** Specify pipe size, insulation size and figure number.

| Pipe<br>Size                | Pipe Roller Size  |       |           | Fig.<br>460<br>480<br>483<br>490<br>B | Fig.<br>470<br>475<br>B | C          | Fig.<br>486<br>487<br>D | Actual<br>Thickness<br>of<br>Covering | Max.<br>Rec.<br>Load<br>(in lbs.) | Wt.<br>Each<br>(in lbs.) |
|-----------------------------|-------------------|-------|-----------|---------------------------------------|-------------------------|------------|-------------------------|---------------------------------------|-----------------------------------|--------------------------|
|                             | Use With Fig. No. |       |           | 460, 480<br>483, 490                  | 470<br>475              | 486<br>487 |                         |                                       |                                   |                          |
|                             |                   |       |           |                                       |                         |            |                         |                                       |                                   |                          |
| <sup>3</sup> / <sub>4</sub> | 2                 | 2 1/2 | 2 - 3 1/2 | 2 1/16                                | 2 1/8                   | 1 5/8      | 2 1/4                   | 7/8                                   | 1200                              | 1.41                     |
| 1                           | 2 1/2             | 3     | 2 - 3 1/2 | 2 5/16                                | 2 1/4                   | 1 13/16    | 2 7/16                  | 1 1/16                                | 1200                              | 1.41                     |
| 1 1/4                       | 2 1/2             | 3     | 2 - 3 1/2 | 2 1/2                                 | 2 7/16                  | 1 15/16    | 2 9/16                  | 7/8                                   | 1200                              | 1.41                     |
| 1 1/2                       | 3                 | 3 1/2 | 2 - 3 1/2 | 2 5/8                                 | 2 5/8                   | 2 1/8      | 2 11/16                 | 1                                     | 1200                              | 1.43                     |
| 2                           | 3 1/2             | 4     | 2 - 3 1/2 | 3                                     | 2 15/16                 | 2 3/8      | 3 1/16                  | 1 1/16                                | 1200                              | 1.52                     |
| 2 1/2                       | 3 1/2             | 5     | 2 - 3 1/2 | 3 1/4                                 | 3 1/4                   | 2 11/16    | 3 5/16                  | 1 1/16                                | 1200                              | 1.52                     |
| 3                           | 4                 | 5     | 2 - 3 1/2 | 3 1/2                                 | 3 1/2                   | 2 15/16    | 3 9/16                  | 1                                     | 1200                              | 1.63                     |
| 3 1/2                       | 5                 | 6     | 4 - 6     | 4                                     | 4                       | 3 5/16     | 3 15/16                 | 1 1/4                                 | 1200                              | 1.98                     |
| 4                           | 5                 | 6     | 4 - 6     | 4 1/4                                 | 4 1/4                   | 3 9/16     | 4 3/16                  | 1 1/16                                | 1800                              | 1.98                     |
| 5                           | 6                 | 8     | 4 - 6     | 4 13/16                               | 4 13/16                 | 4 1/8      | 4 3/4                   | 1                                     | 1800                              | 1.98                     |
| 6                           | 8                 | 8     | 4 - 6     | 5 3/8                                 | 5 3/8                   | 4 1/2      | 5 1/4                   | 1                                     | 1800                              | 3.91                     |
| 8                           | 10                | 12    | 8 - 10    | 7 1/16                                | 7 1/16                  | 6          | 7 1/16                  | 1 1/2                                 | 1800                              | 4.75                     |
| 10                          | 12                | 14    | 8 - 10    | 8 5/16                                | 8 1/2                   | 7 1/4      | 8 5/16                  | 1 9/16                                | 1800                              | 4.75                     |
| 12                          | 14                | 16    | 12 - 14   | 8 15/16                               | 8 7/8                   | 7 5/8      | 8 13/16                 | 1 1/16                                | 5000                              | 6.88                     |

| Pipe<br>Size                | Pipe Roller Size  |       |           | Fig.<br>460<br>480<br>483<br>490<br>B | Fig.<br>470<br>475<br>B | C          | Fig.<br>486<br>487<br>D | Actual<br>Thickness<br>of<br>Covering | Max.<br>Rec.<br>Load<br>(in lbs.) | Wt.<br>Each<br>(in lbs.) |
|-----------------------------|-------------------|-------|-----------|---------------------------------------|-------------------------|------------|-------------------------|---------------------------------------|-----------------------------------|--------------------------|
|                             | Use With Fig. No. |       |           | 460, 480<br>483, 490                  | 470<br>475              | 486<br>487 |                         |                                       |                                   |                          |
|                             |                   |       |           |                                       |                         |            |                         |                                       |                                   |                          |
| <sup>3</sup> / <sub>4</sub> | 3                 | 3 1/2 | 2 - 3 1/2 | 2 3/4                                 | 2 3/4                   | 2 3/16     | 2 7/8                   | 1 7/16                                | 1200                              | 1.85                     |
| 1                           | 3                 | 4     | 2 - 3 1/2 | 2 7/8                                 | 2 7/8                   | 2 5/16     | 3                       | 1 9/16                                | 1200                              | 1.85                     |
| 1 1/4                       | 3 1/2             | 5     | 2 - 3 1/2 | 3 1/16                                | 3 1/16                  | 2 9/16     | 3 3/16                  | 1 5/8                                 | 1200                              | 1.85                     |
| 1 1/2                       | 3 1/2             | 5     | 2 - 3 1/2 | 3 1/4                                 | 3 1/4                   | 2 5/8      | 3 5/16                  | 1 1/2                                 | 1200                              | 1.85                     |
| 2                           | 4                 | 5     | 2 - 3 1/2 | 3 1/2                                 | 3 1/2                   | 2 7/8      | 3 9/16                  | 1 9/16                                | 1200                              | 1.98                     |
| 2 1/2                       | 5                 | 6     | 4 - 6     | 4                                     | 4                       | 3 5/16     | 3 15/16                 | 1 7/8                                 | 1200                              | 2.25                     |
| 3                           | 5                 | 6     | 4 - 6     | 4 5/16                                | 4 5/16                  | 3 5/8      | 4 1/4                   | 1 9/16                                | 1800                              | 2.25                     |
| 3 1/2                       | 6                 | 8     | 4 - 6     | 4 9/16                                | 4 9/16                  | 3 11/16    | 4 1/2                   | 1 13/16                               | 1800                              | 2.50                     |
| 4                           | 6                 | 8     | 4 - 6     | 4 7/8                                 | 4 7/8                   | 4 1/16     | 4 3/4                   | 1 9/16                                | 1800                              | 2.50                     |
| 5                           | 8                 | 8     | 4 - 6     | 5 1/2                                 | 5 1/2                   | 4 11/16    | 5 3/8                   | 1 1/2                                 | 1800                              | 2.50                     |
| 6                           | 8                 | 10    | 8 - 10    | 5 7/8                                 | 5 11/16                 | 5 1/16     | 6                       | 1 1/2                                 | 1800                              | 4.25                     |
| 8                           | 10                | 12    | 8 - 10    | 7 1/16                                | 7 1/16                  | 6          | 7 1/16                  | 1 1/2                                 | 1800                              | 5.50                     |
| 10                          | 12                | 14    | 8 - 10    | 8 5/16                                | 8 1/2                   | 7 1/4      | 8 5/16                  | 1 9/16                                | 1800                              | 5.50                     |
| 12                          | 14                | 16    | 12 - 14   | 9 1/2                                 | 9 1/2                   | 8 1/16     | 9 1/4                   | 1 9/16                                | 5000                              | 8.33                     |
| 14                          | 16                | 18    | 12 - 14   | 10 3/16                               | 10 1/8                  | 8 3/4      | 10 1/16                 | 1 1/2                                 | 5000                              | 8.33                     |
| 16                          | 18                | 20    | 16 - 20   | 11 1/4                                | 11 1/4                  | 9 13/16    | 11 1/8                  | 1 1/2                                 | 5000                              | 9.01                     |
| 18                          | 20                | 24    | 16 - 20   | 12 5/16                               | —                       | 10 13/16   | 12 3/16                 | 1 1/2                                 | 5000                              | 9.68                     |
| 20                          | 24                | 24    | 24        | 13 9/16                               | —                       | 11 5/8     | 13 1/16                 | 1 1/2                                 | 7200                              | 11.00                    |
| 24                          | 30                | —     | 30        | 16 5/16                               | —                       | 13 1/2     | 15 1/4                  | 1 1/2                                 | 7200                              | 13.00                    |

# PIPE COVERING PROTECTION SADDLES

**FUNCTION:** Designed to protect insulation on high temperature pipe lines. The saddle is furnished with notches to minimize surface contact with the pipe, thereby keeping heat loss to a minimum.

**APPROVALS:** Complies with Federal Specifications A-A-1192A (Type 39) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 39).

**MATERIAL:** Low carbon steel

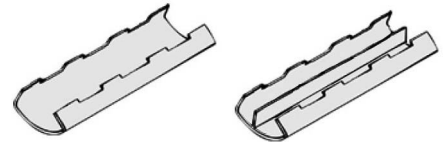
**FINISH:** Plain or Electro-galvanized

**ORDERING:** Specify pipe size, insulation size and figure number.

| Pipe Size | Pipe Roller Size<br>Use With Fig. No. |            |            | Fig. 460<br>480<br>483<br>490<br>B | Fig. 470<br>475<br>B | C       | Fig. 486<br>487<br>D | Actual Thickness of Covering | Max. Rec. Load (in lbs.) | Wt. Each (in lbs.) |
|-----------|---------------------------------------|------------|------------|------------------------------------|----------------------|---------|----------------------|------------------------------|--------------------------|--------------------|
|           | 460, 480<br>483, 490                  | 470<br>475 | 486<br>487 |                                    |                      |         |                      |                              |                          |                    |
| 3/4       | 4                                     | 5          | 2 - 3 1/2  | 3 5/16                             | 3 5/16               | 2 11/16 | 3 3/8                | 1 7/8                        | 1200                     | 2.58               |
| 1         | 4                                     | 5          | 2 - 3 1/2  | 3 1/2                              | 3 1/2                | 2 7/8   | 3 1/2                | 2 1/8                        | 1200                     | 2.58               |
| 1 1/4     | 4                                     | 5          | 2 - 3 1/2  | 3 3/8                              | 3 5/8                | 3       | 3 11/16              | 1 15/16                      | 1200                     | 2.58               |
| 1 1/2     | 5                                     | 6          | 4 - 6      | 4                                  | 4                    | 3 5/16  | 3 7/8                | 2 5/16                       | 1800                     | 2.85               |
| 2         | 5                                     | 6          | 4 - 6      | 4 1/4                              | 4 1/4                | 3 9/16  | 4 3/16               | 2 1/8                        | 1800                     | 2.85               |
| 2 1/2     | 6                                     | 8          | 4 - 6      | 4 1/2                              | 4 5/8                | 3 7/8   | 4 1/2                | 2 5/16                       | 1800                     | 2.85               |
| 3         | 6                                     | 8          | 4 - 6      | 4 13/16                            | 4 13/16              | 4 1/8   | 4 11/16              | 2 1/16                       | 1800                     | 3.30               |
| 3 1/2     | 8                                     | 8          | 4 - 6      | 5 1/8                              | 5 1/8                | 4 5/16  | 5                    | 2 1/4                        | 1800                     | 3.30               |
| 4         | 8                                     | 8          | 4 - 6      | 5 3/8                              | 5 3/8                | 4 9/16  | 5 1/4                | 2 1/16                       | 1800                     | 3.30               |
| 5         | 8                                     | 10         | 8 - 10     | 6                                  | 6 1/16               | 5 3/16  | 6 1/8                | 2                            | 1800                     | 3.30               |
| 6         | 10                                    | 10         | 8 - 10     | 6 7/16                             | 6 7/16               | 5 1/2   | 6 1/2                | 2                            | 1800                     | 5.25               |
| 8         | 10                                    | 12         | 8 - 10     | 7 9/16                             | 7 9/16               | 6 1/2   | 7 9/16               | 2                            | 1800                     | 6.10               |
| 10        | 14                                    | 16         | 12 - 14    | 9 1/16                             | 9                    | 7 5/8   | 8 13/16              | 2 1/16                       | 1800                     | 7.05               |
| 12        | 16                                    | 18         | 16 - 20    | 10 3/16                            | 10 1/16              | 8 5/8   | 10                   | 2 1/2                        | 5000                     | 9.33               |
| 14        | 16                                    | 18         | 16 - 20    | 10 7/8                             | 13 13/16             | 9 5/16  | 10 11/16             | 2                            | 5000                     | 9.33               |
| 16        | 18                                    | 20         | 16 - 20    | 11 3/16                            | 11 3/4               | 10 3/16 | 11 9/16              | 2                            | 5000                     | 10.68              |
| 18        | 20                                    | 24         | 24         | 12 7/8                             | —                    | 11 5/16 | 12 11/16             | 2                            | 7200                     | 10.68              |
| 20        | 24                                    | 24         | 24         | 13 9/16                            | —                    | 12 1/4  | 13 5/8               | 2                            | 7200                     | 11.96              |
| 24        | 30                                    | —          | 30         | 16 5/16                            | —                    | 14      | 15 3/4               | 2                            | 7200                     | 13.95              |

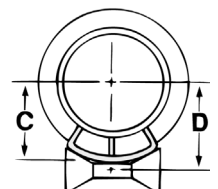
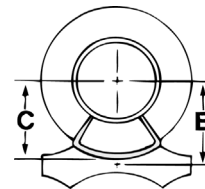
## PIPE SADDLE FOR 2" INSULATION

Available in stainless steel.  
To order, specify 304 or 316 and add suffix SS to figure number.  
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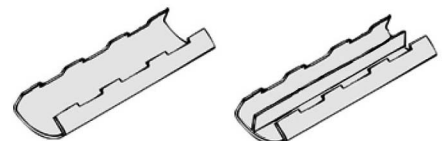
FOR PIPE SIZES  
LESS THAN 12"

FOR PIPE SIZES  
12" AND UP



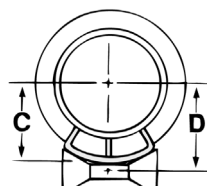
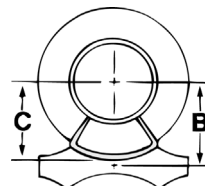
| Pipe Size | Pipe Roller Size<br>Use With Fig. No. |            |            | Fig. 460<br>480<br>483<br>490<br>B | Fig. 470<br>475<br>B | C        | Fig. 486<br>487<br>D | Actual Thickness of Covering | Max. Rec. Load (in lbs.) | Wt. Each (in lbs.) |
|-----------|---------------------------------------|------------|------------|------------------------------------|----------------------|----------|----------------------|------------------------------|--------------------------|--------------------|
|           | 460, 480<br>483, 490                  | 470<br>475 | 486<br>487 |                                    |                      |          |                      |                              |                          |                    |
| 1 1/4     | 5                                     | 6          | 4 - 6      | 4 3/8                              | 4 3/8                | 3 3/4    | 4 3/8                | 2 7/16                       | 1200                     | 3.25               |
| 1 1/2     | 6                                     | 8          | 4 - 6      | 4 1/2                              | 4 5/8                | 3 7/8    | 4 1/2                | 2 13/16                      | 1800                     | 3.25               |
| 2         | 6                                     | 8          | 4 - 6      | 4 3/4                              | 4 13/16              | 4 1/16   | 4 3/4                | 2 5/8                        | 1800                     | 3.25               |
| 2 1/2     | 8                                     | 8          | 4 - 6      | 5 1/8                              | 5 1/8                | 4 1/4    | 5                    | 2 7/8                        | 1800                     | 3.61               |
| 3         | 8                                     | 8          | 4 - 6      | 5 7/16                             | 5 7/16               | 4 11/16  | 5 5/16               | 2 9/16                       | 1800                     | 3.61               |
| 3 1/2     | 8                                     | 10         | 8 - 10     | 5 5/8                              | 5 5/8                | 4 11/16  | 5 11/16              | 2 3/4                        | 1800                     | 3.70               |
| 4         | 8                                     | 10         | 8 - 10     | 5 15/16                            | 5 15/16              | 5        | 6                    | 2 9/16                       | 1800                     | 3.70               |
| 5         | 10                                    | 10         | 8 - 10     | 6 9/16                             | 6 9/16               | 5 5/8    | 6 5/8                | 2 9/16                       | 1800                     | 3.70               |
| 6         | 10                                    | 12         | 8 - 10     | 7 1/8                              | 7 3/16               | 6 3/16   | 7 1/4                | 2 1/2                        | 1800                     | 6.10               |
| 8         | 12                                    | 14         | 8 - 10     | 8 5/16                             | 8 1/2                | 7 1/4    | 8 5/16               | 2 11/16                      | 1800                     | 6.80               |
| 10        | 14                                    | 16         | 12 - 14    | 9 9/16                             | 9 9/16               | 8 1/8    | 9 5/16               | 2 9/16                       | 1800                     | 7.10               |
| 12        | 16                                    | 18         | 16 - 20    | 10 11/16                           | 10 9/16              | 9 1/8    | 10 1/2               | 2 5/8                        | 5000                     | 10.93              |
| 14        | 18                                    | 20         | 16 - 20    | 11 5/16                            | 11 3/8               | 9 7/8    | 11 3/16              | 2 1/2                        | 5000                     | 10.93              |
| 16        | 20                                    | 24         | 16 - 20    | 12 5/16                            | —                    | 10 13/16 | 12 3/16              | 2 1/2                        | 7200                     | 11.64              |
| 18        | 24                                    | 24         | 24         | 13 9/16                            | —                    | 11 5/8   | 13 1/16              | 2 1/2                        | 7200                     | 12.92              |
| 20        | 24                                    | —          | 24         | 14 11/16                           | —                    | 12 3/4   | 14 3/16              | 2 1/2                        | 7200                     | 12.92              |
| 24        | 30                                    | —          | 30         | 17 1/2                             | —                    | 14 5/8   | 16 7/16              | 2 1/2                        | 7200                     | 14.91              |

## PIPE SADDLE FOR 2 1/2" INSULATION



FOR PIPE SIZES  
LESS THAN 12"

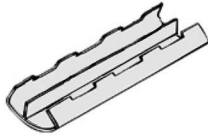
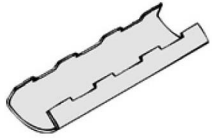
FOR PIPE SIZES  
12" AND UP



# PIPE COVERING PROTECTION SADDLES

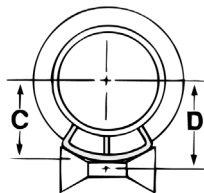
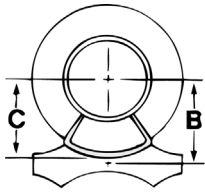
## PIPE SADDLE FOR 3" INSULATION

Available in stainless steel.  
To order, specify 304 or 316 and add  
suffix SS to figure number.  
Price on request.



FOR PIPE SIZES  
LESS THAN 12"

FOR PIPE SIZES  
12" AND UP



**FUNCTION:** Designed to protect insulation on high temperature pipe lines. The saddle is furnished with notches to minimize surface contact with the pipe, thereby keeping heat loss to a minimum.

**APPROVALS:** Complies with Federal Specifications A-A-1192A (Type 39) and Manufacturers' Standardization Society ANSI/SP-69 and SP-58 (Type 39).

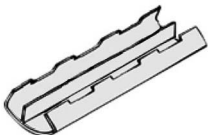
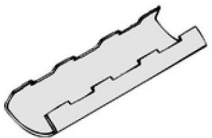
**MATERIAL:** Low carbon steel

**FINISH:** Plain or Electro-galvanized

**ORDERING:** Specify pipe size, insulation size and figure number.

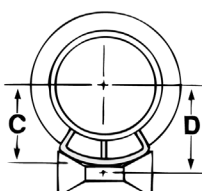
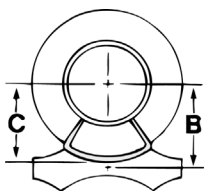
| Pipe Size                     | Pipe Roller Size  |    |         | Fig. 460 480 483 490 B          | Fig. 470 475 B                  | C                               | Fig. 486 487 D                  | Actual Thickness of Covering   | Max. Rec. Load (in lbs.) | Wt. Each (in lbs.) |
|-------------------------------|-------------------|----|---------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|--------------------------------|--------------------------|--------------------|
|                               | Use With Fig. No. |    |         | 460, 480 483, 490               | 470 475                         | 486 487                         |                                 |                                |                          |                    |
|                               |                   |    |         |                                 |                                 |                                 |                                 |                                |                          |                    |
| 2                             | 8                 | 8  | 4 - 6   | 5 <sup>3</sup> / <sub>8</sub>   | 5 <sup>3</sup> / <sub>8</sub>   | 4 <sup>9</sup> / <sub>16</sub>  | 5 <sup>1</sup> / <sub>4</sub>   | 3 <sup>1</sup> / <sub>8</sub>  | 1800                     | 4.10               |
| 2 <sup>1</sup> / <sub>2</sub> | 8                 | 10 | 4 - 6   | 5 <sup>5</sup> / <sub>8</sub>   | 5 <sup>3</sup> / <sub>4</sub>   | 4 <sup>7</sup> / <sub>8</sub>   | 5 <sup>1</sup> / <sub>2</sub>   | 3 <sup>3</sup> / <sub>8</sub>  | 1800                     | 4.10               |
| 3                             | 8                 | 10 | 8 - 10  | 6                               | 6                               | 5 <sup>1</sup> / <sub>16</sub>  | 6 <sup>1</sup> / <sub>16</sub>  | 3 <sup>1</sup> / <sub>16</sub> | 1800                     | 4.32               |
| 3 <sup>1</sup> / <sub>2</sub> | 10                | 10 | 8 - 10  | 6 <sup>5</sup> / <sub>16</sub>  | 6 <sup>5</sup> / <sub>16</sub>  | 5 <sup>3</sup> / <sub>8</sub>   | 6 <sup>3</sup> / <sub>8</sub>   | 3 <sup>5</sup> / <sub>16</sub> | 1800                     | 4.32               |
| 4                             | 10                | 10 | 8 - 10  | 6 <sup>9</sup> / <sub>16</sub>  | 6 <sup>9</sup> / <sub>16</sub>  | 5 <sup>5</sup> / <sub>8</sub>   | 6 <sup>5</sup> / <sub>8</sub>   | 3 <sup>1</sup> / <sub>16</sub> | 1800                     | 4.32               |
| 5                             | 10                | 12 | 8 - 10  | 7 <sup>1</sup> / <sub>8</sub>   | 7 <sup>1</sup> / <sub>4</sub>   | 6 <sup>3</sup> / <sub>16</sub>  | 7 <sup>1</sup> / <sub>4</sub>   | 3 <sup>1</sup> / <sub>16</sub> | 1800                     | 4.32               |
| 6                             | 12                | 12 | 8 - 10  | 7 <sup>5</sup> / <sub>8</sub>   | 7 <sup>5</sup> / <sub>8</sub>   | 6 <sup>9</sup> / <sub>16</sub>  | 7 <sup>5</sup> / <sub>8</sub>   | 3                              | 1800                     | 8.10               |
| 8                             | 14                | 16 | 12 - 14 | 9                               | 9                               | 7 <sup>11</sup> / <sub>16</sub> | 8 <sup>3</sup> / <sub>4</sub>   | 3 <sup>1</sup> / <sub>8</sub>  | 1800                     | 8.10               |
| 10                            | 16                | 18 | 16 - 20 | 10 <sup>1</sup> / <sub>8</sub>  | 10 <sup>1</sup> / <sub>16</sub> | 8 <sup>11</sup> / <sub>16</sub> | 10                              | 3 <sup>1</sup> / <sub>16</sub> | 1800                     | 8.40               |
| 12                            | 18                | 20 | 16 - 20 | 11 <sup>1</sup> / <sub>8</sub>  | 11 <sup>1</sup> / <sub>4</sub>  | 9 <sup>5</sup> / <sub>8</sub>   | 11                              | 3 <sup>1</sup> / <sub>16</sub> | 5000                     | 11.88              |
| 14                            | 18                | 20 | 16 - 20 | 11 <sup>3</sup> / <sub>4</sub>  | 11 <sup>3</sup> / <sub>4</sub>  | 10 <sup>5</sup> / <sub>16</sub> | 11 <sup>5</sup> / <sub>8</sub>  | 3                              | 5000                     | 11.88              |
| 16                            | 20                | 24 | 24      | 12 <sup>7</sup> / <sub>8</sub>  | —                               | 11 <sup>1</sup> / <sub>16</sub> | 12 <sup>7</sup> / <sub>16</sub> | 3                              | 7200                     | 13.87              |
| 18                            | 24                | 24 | 24      | 14 <sup>3</sup> / <sub>16</sub> | —                               | 12 <sup>1</sup> / <sub>4</sub>  | 13 <sup>3</sup> / <sub>8</sub>  | 3                              | 7200                     | 13.87              |
| 20                            | 24                | —  | 24      | 15 <sup>1</sup> / <sub>4</sub>  | —                               | 13 <sup>5</sup> / <sub>16</sub> | 14 <sup>3</sup> / <sub>4</sub>  | 3                              | 7200                     | 14.51              |
| 24                            | 30                | —  | 30      | 18 <sup>1</sup> / <sub>16</sub> | —                               | 15 <sup>1</sup> / <sub>4</sub>  | 17                              | 3                              | 7200                     | 15.86              |

## PIPE SADDLE FOR 4" INSULATION



FOR PIPE SIZES  
LESS THAN 12"

FOR PIPE SIZES  
12" AND UP



| Pipe Size | Pipe Roller Size  |    |         | Fig. 460 480 483 490 B         | Fig. 470 475 B                 | C                                | Fig. 486 487 D                  | Actual Thickness of Covering   | Max. Rec. Load (in lbs.) | Wt. Each (in lbs.) |
|-----------|-------------------|----|---------|--------------------------------|--------------------------------|----------------------------------|---------------------------------|--------------------------------|--------------------------|--------------------|
|           | Use With Fig. No. |    |         | 460, 480 483, 490              | 470 475                        | 486 487                          |                                 |                                |                          |                    |
|           |                   |    |         |                                |                                |                                  |                                 |                                |                          |                    |
| 4         | 10                | 12 | 8 - 10  | 7 <sup>5</sup> / <sub>8</sub>  | 7 <sup>5</sup> / <sub>8</sub>  | 6 <sup>1</sup> / <sub>2</sub>    | 7 <sup>9</sup> / <sub>16</sub>  | 4 <sup>1</sup> / <sub>16</sub> | 1800                     | 5.90               |
| 5         | 12                | 14 | 8 - 10  | 8 <sup>3</sup> / <sub>16</sub> | 8 <sup>3</sup> / <sub>8</sub>  | 7 <sup>1</sup> / <sub>8</sub>    | 8 <sup>3</sup> / <sub>16</sub>  | 4 <sup>3</sup> / <sub>16</sub> | 1800                     | 5.90               |
| 6         | 14                | 16 | 12 - 14 | 9                              | 9                              | 7 <sup>9</sup> / <sub>16</sub>   | 8 <sup>3</sup> / <sub>4</sub>   | 4 <sup>1</sup> / <sub>8</sub>  | 1800                     | 10.68              |
| 8         | 16                | 18 | 12 - 14 | 10 <sup>1</sup> / <sub>8</sub> | 10 <sup>1</sup> / <sub>8</sub> | 8 <sup>11</sup> / <sub>16</sub>  | 9 <sup>7</sup> / <sub>8</sub>   | 4 <sup>3</sup> / <sub>16</sub> | 1800                     | 10.68              |
| 10        | 18                | 20 | 16 - 20 | 11 <sup>1</sup> / <sub>4</sub> | 11 <sup>1</sup> / <sub>4</sub> | 9 <sup>3</sup> / <sub>4</sub>    | 11 <sup>1</sup> / <sub>8</sub>  | 4 <sup>1</sup> / <sub>16</sub> | 1800                     | 11.40              |
| 12        | 20                | 24 | 16 - 20 | 12 <sup>3</sup> / <sub>8</sub> | —                              | 10 <sup>13</sup> / <sub>16</sub> | 12 <sup>3</sup> / <sub>16</sub> | 4 <sup>1</sup> / <sub>8</sub>  | 5000                     | 14.43              |
| 14        | 20                | 24 | 24      | 12 <sup>7</sup> / <sub>8</sub> | —                              | 11 <sup>5</sup> / <sub>16</sub>  | 12 <sup>5</sup> / <sub>8</sub>  | 4                              | 5000                     | 14.43              |
| 16        | 24                | 24 | 24      | 14 <sup>1</sup> / <sub>8</sub> | —                              | 13 <sup>5</sup> / <sub>8</sub>   | 12 <sup>3</sup> / <sub>16</sub> | 4                              | 7200                     | 15.79              |
| 18        | 24                | —  | 24      | 15 <sup>1</sup> / <sub>4</sub> | —                              | 13 <sup>9</sup> / <sub>16</sub>  | 14 <sup>3</sup> / <sub>4</sub>  | 4                              | 7200                     | 15.79              |
| 20        | 30                | —  | 30      | 17                             | —                              | 14 <sup>1</sup> / <sub>8</sub>   | 15 <sup>7</sup> / <sub>8</sub>  | 4                              | 7200                     | 16.90              |
| 24        | 30                | —  | 30      | 19 <sup>1</sup> / <sub>4</sub> | —                              | 16 <sup>7</sup> / <sub>16</sub>  | 19 <sup>1</sup> / <sub>4</sub>  | 4                              | 7200                     | 17.78              |