



# **PVC Low Head PIP Fabricated Fittings, Risers & Accessories**



## **ENGINEERING GUIDE**

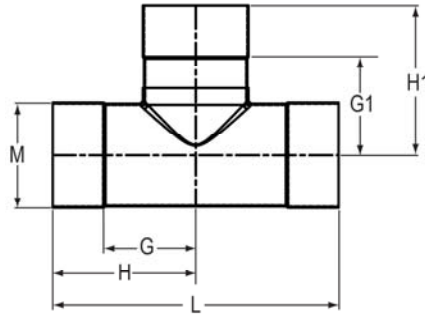
**Contact Spears® for any Information not found.**

**Fabricated Fittings Technical**  
**PVC Low Head PIP Fabricated Fittings, Risers & Accessories**



### Low Head PIP Tee

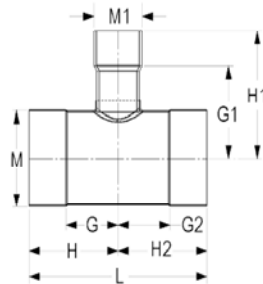
Socket x Socket x Socket



| Part Number                | Size | G        | G1       | H        | H1       | L      | M        | Approx. Wt. (Lbs.) |
|----------------------------|------|----------|----------|----------|----------|--------|----------|--------------------|
| <a href="#">280-102502</a> | 6    | 5-1/2    | 5-7/8    | 8-1/2    | 8-7/8    | 17     | 6-1/4    | 1.87               |
| <a href="#">280-102507</a> | 8    | 6-9/16   | 6-13/16  | 10-9/16  | 10-13/16 | 21-1/8 | 8-5/16   | 3.43               |
| <a href="#">280-102513</a> | 10   | 7-9/16   | 8-13/16  | 12-9/16  | 13-13/16 | 25-1/8 | 10-7/16  | 7.02               |
| <a href="#">280-102520</a> | 12   | 8-11/16  | 9-13/16  | 13-11/16 | 14-13/16 | 27-3/8 | 12-1/2   | 10.39              |
| <a href="#">280-102528</a> | 15   | 11-15/16 | 12-5/16  | 16-15/16 | 17-5/16  | 33-7/8 | 15-5/8   | 17.00              |
| <a href="#">280-102537</a> | 18   | 13-9/16  | 13-13/16 | 19-9/16  | 19-13/16 | 39-1/8 | 18-3/4   | 29.27              |
| <a href="#">280-102547</a> | 20   | 15       | 15-13/16 | 21-1/2   | 21-13/16 | 43     | 20-13/16 | 41.74              |

### Low head PIP Tee- Reducer

Socket X Socket X Socket



| Part Number                | Size | G       | G1      | G2      | H       | H1       | H2      | L      | M       | M1      | Approx. Wt. (Lbs.) |
|----------------------------|------|---------|---------|---------|---------|----------|---------|--------|---------|---------|--------------------|
| <a href="#">280-102499</a> | 6X2  | 3-5/8   | 5-1/4   | 3-5/8   | 6-5/8   | 7        | 6-5/8   | 13-1/4 | 6-1/4   | 2-11/16 | 1.36               |
| <a href="#">280-102500</a> | 6X3  | 4-1/4   | 6       | 4-1/4   | 7-1/4   | 8-1/4    | 7-1/4   | 14-1/2 | 6-1/4   | 3-15/16 | 1.75               |
| <a href="#">280-102501</a> | 6X4  | 4-3/4   | 6-1/16  | 4-3/4   | 7-3/4   | 8-5/16   | 7-3/4   | 15-1/2 | 6-1/4   | 4-3/4   | 1.78               |
| <a href="#">280-102503</a> | 8X2  | 3-11/16 | 6-1/4   | 3-11/16 | 7-11/16 | 8        | 7-11/16 | 15-3/8 | 8-5/16  | 2-11/16 | 2.13               |
| <a href="#">280-102504</a> | 8X3  | 4-3/16  | 7       | 4-3/16  | 8-3/16  | 9-1/4    | 8-3/16  | 16-3/8 | 8-5/16  | 3-15/16 | 2.27               |
| <a href="#">280-102505</a> | 8X4  | 4-11/16 | 7-1/16  | 4-11/16 | 8-11/16 | 9-5/16   | 8-11/16 | 17-3/8 | 8-5/16  | 4-3/4   | 2.55               |
| <a href="#">280-102506</a> | 8X6  | 5-9/16  | 6-7/8   | 5-9/16  | 9-9/16  | 9-7/8    | 9-9/16  | 19-1/8 | 8-5/16  | 6-1/4   | 2.77               |
| <a href="#">280-102508</a> | 10X2 | 3-11/16 | 7-1/4   | 3-11/16 | 8-11/16 | 9        | 8-11/16 | 17-3/8 | 10-7/16 | 2-11/16 | 3.45               |
| <a href="#">280-102509</a> | 10X3 | 4-3/16  | 8       | 4-3/16  | 9-3/16  | 10-1/4   | 9-3/16  | 18-3/8 | 10-7/16 | 3-15/16 | 4.17               |
| <a href="#">280-102510</a> | 10X4 | 4-11/16 | 8-1/16  | 4-11/16 | 9-11/16 | 10-5/16  | 9-11/16 | 19-3/8 | 10-7/16 | 4-3/4   | 4.47               |
| <a href="#">280-102511</a> | 10X6 | 5-9/16  | 7-7/8   | 5-9/16  | 10-9/16 | 10-7/8   | 10-9/16 | 21-1/8 | 10-7/16 | 6-1/4   | 4.75               |
| <a href="#">280-102512</a> | 10X8 | 6-9/16  | 7-13/16 | 6-9/16  | 11-9/16 | 11-13/16 | 11-9/16 | 23-1/8 | 10-7/16 | 8-5/16  | 5.26               |
| <a href="#">280-102514</a> | 12X2 | 3-11/16 | 8-1/4   | 3-11/16 | 8-11/16 | 10       | 8-11/16 | 18-5/8 | 12-1/2  | 2-11/16 | 5.04               |
| <a href="#">280-102515</a> | 12X3 | 4-5/16  | 9       | 4-5/16  | 9-5/16  | 11-1/4   | 9-5/16  | 18-5/8 | 12-1/2  | 3-15/16 | 5.90               |
| <a href="#">280-102516</a> | 12X4 | 4-13/16 | 9-1/16  | 4-13/16 | 9-13/16 | 11-5/16  | 9-13/16 | 19-5/8 | 12-1/2  | 4-3/4   | 6.00               |
| <a href="#">280-102517</a> | 12X6 | 5-9/16  | 8-7/8   | 5-9/16  | 10-9/16 | 11-7/8   | 10-9/16 | 21-1/8 | 12-1/2  | 6-1/4   | 7.00               |

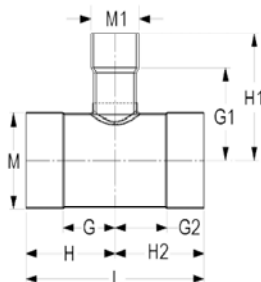


**Fabricated Fittings Technical**  
**PVC Low Head PIP Fabricated Fittings, Risers & Accessories**

**Low head PIP Tee- Reducer**

(Continued)

Socket X Socket X Socket



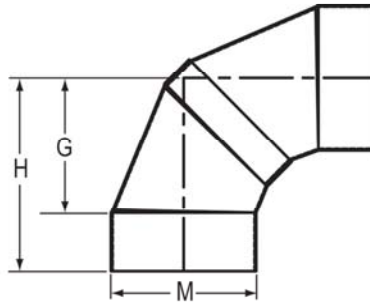
| Part Number                | Size  | G       | G1       | G2      | H        | H1       | H2       | L      | M        | M1      | Approx. Wt. (Lbs.) |
|----------------------------|-------|---------|----------|---------|----------|----------|----------|--------|----------|---------|--------------------|
| <a href="#">280-102518</a> | 12X8  | 6-9/16  | 8-13/16  | 6-9/16  | 11-9/16  | 12-13/16 | 11-9/16  | 23-1/8 | 12-1/2   | 8-5/16  | 7.31               |
| <a href="#">280-102519</a> | 12X10 | 7-5/16  | 9-13/16  | 7-5/16  | 12-5/16  | 14-13/16 | 12-5/16  | 24-5/8 | 12-1/2   | 10-7/16 | 8.14               |
| <a href="#">280-102521</a> | 15X2  | 5-9/16  | 9-3/4    | 5-9/16  | 10-9/16  | 11-1/2   | 10-9/16  | 21-1/8 | 15-5/8   | 2-11/16 | 9.61               |
| <a href="#">280-102522</a> | 15X3  | 6-1/16  | 10-1/2   | 6-1/16  | 11-1/16  | 12-3/4   | 11-1/16  | 22-1/8 | 15-5/8   | 3-15/16 | 8.50               |
| <a href="#">280-102523</a> | 15X4  | 6-9/16  | 10-9/16  | 6-9/16  | 11-9/16  | 12-13/16 | 11-9/16  | 23-1/8 | 15-5/8   | 4-3/4   | 10.35              |
| <a href="#">280-102524</a> | 15X6  | 7-7/16  | 10-3/8   | 7-7/16  | 12-7/16  | 13-3/8   | 12-7/16  | 24-7/8 | 15-5/8   | 6-1/4   | 11.23              |
| <a href="#">280-102525</a> | 15X8  | 8-7/16  | 10-5/16  | 8-7/16  | 13-7/16  | 14-5/16  | 13-7/16  | 28-7/8 | 15-5/8   | 8-5/16  | 12.55              |
| <a href="#">280-102526</a> | 15X10 | 9-7/16  | 11-5/16  | 9-7/16  | 14-7/16  | 16-5/16  | 14-7/16  | 28-7/8 | 15-5/8   | 10-7/16 | 14.64              |
| <a href="#">280-102527</a> | 15X12 | 10-7/16 | 11-5/16  | 10-7/16 | 15-7/16  | 16-5/16  | 15-7/16  | 30-7/8 | 15-5/8   | 12-7/16 | 16.07              |
| <a href="#">280-102529</a> | 18X2  | 5-9/16  | 11-1/4   | 5-9/16  | 11-9/16  | 13       | 11-9/16  | 23-1/8 | 18-3/4   | 2-11/16 | 15.22              |
| <a href="#">280-102530</a> | 18X3  | 6-3/16  | 12       | 6-3/16  | 12-3/16  | 14-1/4   | 12-3/16  | 24-3/8 | 18-3/4   | 3-15/16 | 16.24              |
| <a href="#">280-102531</a> | 18X4  | 6-11/16 | 12-1/16  | 6-11/16 | 12-11/16 | 14-5/16  | 12-11/16 | 25-3/8 | 18-3/4   | 4-3/4   | 13.96              |
| <a href="#">280-102532</a> | 18X6  | 7-7/16  | 11-7/8   | 7-7/16  | 13-7/16  | 14-7/8   | 13-7/16  | 26-7/8 | 18-3/4   | 6-1/4   | 15.15              |
| <a href="#">280-102534</a> | 18X10 | 9-7/16  | 12-7/8   | 9-7/16  | 15-7/16  | 17-7/8   | 15-7/16  | 30-7/8 | 18-3/4   | 10-7/16 | 19.11              |
| <a href="#">280-102535</a> | 18X12 | 10-7/16 | 12-7/8   | 10-7/16 | 16-7/16  | 17-7/8   | 16-7/16  | 32-7/8 | 18-3/4   | 12-7/16 | 20.55              |
| <a href="#">280-102536</a> | 18X15 | 12-1/16 | 13-13/16 | 12-1/16 | 18-1/16  | 18-13/16 | 18-1/16  | 36-1/8 | 18-3/4   | 15-5/8  | 26.87              |
| <a href="#">280-102538</a> | 20X2  | 6-1/8   | 12-1/4   | 6-1/8   | 12-5/8   | 14       | 12-5/8   | 25-1/4 | 20-13/16 | 2-11/16 | 20.48              |
| <a href="#">280-102539</a> | 20X3  | 6-5/8   | 13       | 6-5/8   | 13-1/8   | 15-1/4   | 13-1/8   | 26-1/4 | 20-13/16 | 3-15/16 | 21.65              |
| <a href="#">280-102533</a> | 18X8  | 8-7/16  | 11-7/8   | 8-7/16  | 14-7/16  | 15-7/8   | 14-7/16  | 28-7/8 | 18-3/4   | 8-5/16  | 17.79              |
| <a href="#">280-102540</a> | 20X4  | 7-1/8   | 13-1/16  | 7-1/8   | 13-5/8   | 15-5/16  | 13-5/8   | 27-1/4 | 20-13/16 | 4-3/4   | 21.36              |
| <a href="#">280-102541</a> | 20X6  | 8       | 12-7/8   | 8       | 14-1/2   | 15-7/8   | 14-1/2   | 29     | 20-13/16 | 6-1/4   | 20.04              |
| <a href="#">280-102542</a> | 20X8  | 9       | 12-7/8   | 9       | 15-1/2   | 16-7/8   | 15-1/2   | 31     | 20-13/16 | 8-5/16  | 24.77              |
| <a href="#">280-102543</a> | 20X10 | 10      | 13-7/8   | 10      | 16-1/2   | 18-7/8   | 16-1/2   | 33     | 20-13/16 | 10-7/16 | 24.71              |
| <a href="#">280-102544</a> | 20X12 | 11      | 13-7/8   | 11      | 17-1/2   | 18-7/8   | 17-1/2   | 35     | 20-13/16 | 12-7/16 | 27.22              |
| <a href="#">280-102545</a> | 20X15 | 12-1/2  | 14-13/16 | 12-1/2  | 19       | 19-13/16 | 19       | 38     | 20-13/16 | 15-5/8  | 34.47              |
| <a href="#">280-102546</a> | 20X18 | 14      | 14-13/16 | 14      | 20-1/2   | 20-13/16 | 20-1/2   | 41     | 20-13/16 | 18-3/4  | 37.00              |

**Fabricated Fittings Technical**  
**PVC Low Head PIP Fabricated Fittings, Risers & Accessories**



### Low Head PIP 90° Elbow

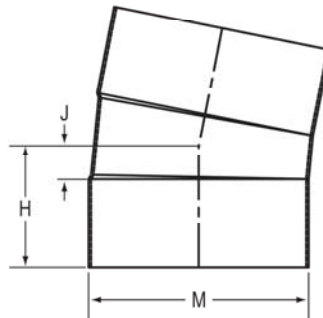
Socket x Socket



| Part Number                | Size | G       | H       | M        | Approx. Wt. (Lbs.) |
|----------------------------|------|---------|---------|----------|--------------------|
| <a href="#">280-100812</a> | 6    | 5-13/16 | 8-5/16  | 6-1/4    | 1.34               |
| <a href="#">280-100813</a> | 8    | 7-3/16  | 10-3/16 | 8-5/16   | 2.53               |
| <a href="#">280-100814</a> | 10   | 9-1/4   | 13-1/4  | 10-7/16  | 4.84               |
| <a href="#">280-100815</a> | 12   | 10-5/16 | 15-5/16 | 12-1/2   | 7.75               |
| <a href="#">280-100816</a> | 15   | 13-1/2  | 18-1/2  | 15-5/8   | 14.09              |
| <a href="#">280-100817</a> | 18   | 16-1/16 | 22-1/16 | 18-3/4   | 24.77              |
| <a href="#">280-100818</a> | 20   | 18-3/16 | 24-3/16 | 20-13/16 | 32.92              |

### Low Head PIP 11-1/4° Elbow

Socket x Socket



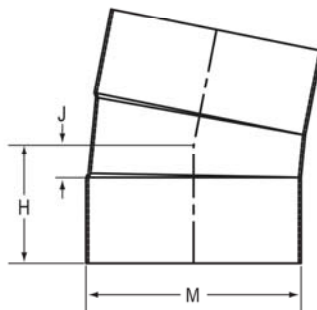
| Part Number                | Size | H       | J       | M        | Approx. Wt. (Lbs.) |
|----------------------------|------|---------|---------|----------|--------------------|
| <a href="#">280-100114</a> | 6    | 3-7/16  | 15/16   | 6-1/4    | .61                |
| <a href="#">280-100115</a> | 8    | 4-1/16  | 1-1/16  | 8-5/16   | 1.04               |
| <a href="#">280-100116</a> | 10   | 5-3/8   | 1-3/8   | 10-7/16  | 2.09               |
| <a href="#">280-100117</a> | 12   | 6-1/2   | 1-1/2   | 12-1/2   | 3.82               |
| <a href="#">280-100118</a> | 15   | 7-1/4   | 2-1/4   | 15-5/8   | 6.21               |
| <a href="#">280-100119</a> | 18   | 8-11/16 | 2-11/16 | 18-3/4   | 10.04              |
| <a href="#">280-100120</a> | 20   | 9-1/16  | 3-1/16  | 20-13/16 | 13.19              |



**Fabricated Fittings Technical**  
**PVC Low Head PIP Fabricated Fittings, Risers & Accessories**

### Low Head PIP 15° Elbow

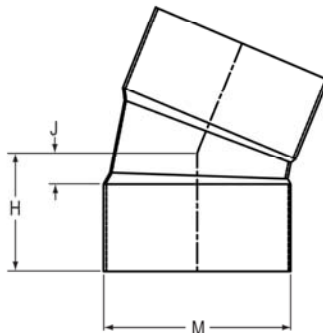
Socket x Socket



| Part Number                | Size | H       | J       | M        | Approx. Wt. (Lbs.) |
|----------------------------|------|---------|---------|----------|--------------------|
| <a href="#">280-100234</a> | 6    | 3-9/16  | 1-1/16  | 6-1/4    | .74                |
| <a href="#">280-100235</a> | 8    | 4-3/16  | 1-3/16  | 8-5/16   | 1.10               |
| <a href="#">280-100236</a> | 10   | 5-9/16  | 1-9/16  | 10-7/16  | 2.35               |
| <a href="#">280-100237</a> | 12   | 6-11/16 | 1-11/16 | 12-1/2   | 3.87               |
| <a href="#">280-100238</a> | 15   | 7-9/16  | 2-9/16  | 15-5/8   | 6.49               |
| <a href="#">280-100239</a> | 18   | 9       | 3       | 18-3/4   | 11.84              |
| <a href="#">280-100240</a> | 20   | 9-3/8   | 3-3/8   | 20-13/16 | 15.85              |

### Low Head PIP 22-1/2° Elbow

Socket x Socket



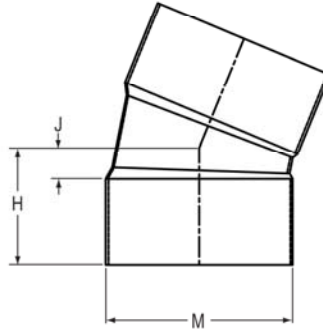
| Part Number                | Size | H       | J       | M        | Approx. Wt. (Lbs.) |
|----------------------------|------|---------|---------|----------|--------------------|
| <a href="#">280-100354</a> | 6    | 3-3/4   | 1-1/4   | 6-1/4    | .66                |
| <a href="#">280-100355</a> | 8    | 4-7/16  | 1-7/16  | 8-5/16   | 1.21               |
| <a href="#">280-100356</a> | 10   | 5-15/16 | 1-15/16 | 10-7/16  | 2.42               |
| <a href="#">280-100357</a> | 12   | 7-1/8   | 2-1/8   | 12-1/2   | 3.74               |
| <a href="#">280-100358</a> | 15   | 8-1/16  | 3-1/16  | 15-5/8   | 6.76               |
| <a href="#">280-100359</a> | 18   | 9-5/8   | 3-5/8   | 18-3/4   | 12.18              |
| <a href="#">280-100360</a> | 20   | 10-1/8  | 4-1/8   | 20-12/16 | 15.85              |

**Fabricated Fittings Technical**  
**PVC Low Head PIP Fabricated Fittings, Risers & Accessories**



### Low Head PIP 30° Elbow

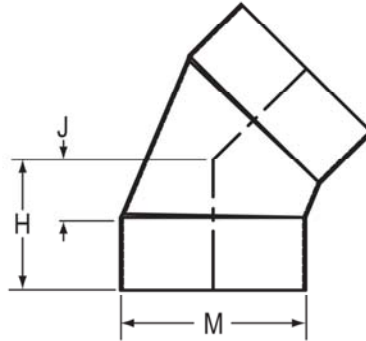
Socket x Socket



| Part Number                | Size | H       | J      | M        | Approx. Wt. (Lbs.) |
|----------------------------|------|---------|--------|----------|--------------------|
| <a href="#">280-100474</a> | 6    | 4       | 1-1/2  | 6-1/4    | .63                |
| <a href="#">280-100475</a> | 8    | 4-3/4   | 1-3/4  | 8-5/16   | 1.10               |
| <a href="#">280-100476</a> | 10   | 6-5/16  | 2-5/16 | 10-7/16  | 2.59               |
| <a href="#">280-100477</a> | 12   | 7-9/16  | 2-9/16 | 12-1/2   | 3.78               |
| <a href="#">280-100478</a> | 15   | 8-5/8   | 3-5/8  | 15-5/8   | 7.22               |
| <a href="#">280-100479</a> | 18   | 10-5/16 | 4-5/16 | 18-3/4   | 13.71              |
| <a href="#">280-100480</a> | 20   | 10-7/8  | 4-7/8  | 20-13/16 | 15.52              |

### Low Head PIP 45° Elbow

Socket x Socket



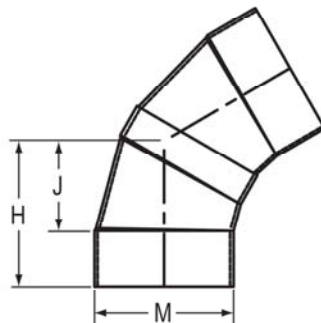
| Part Number                | Size | H      | J      | M        | Approx. Wt. (Lbs.) |
|----------------------------|------|--------|--------|----------|--------------------|
| <a href="#">280-100592</a> | 6    | 4-1/2  | 2      | 6-1/4    | .72                |
| <a href="#">280-100593</a> | 8    | 5-3/8  | 2-3/8  | 8-5/16   | 1.32               |
| <a href="#">280-100594</a> | 10   | 7-1/8  | 3-1/8  | 10-7/16  | 2.64               |
| <a href="#">280-100595</a> | 12   | 8-9/16 | 3-9/16 | 12-1/2   | 4.58               |
| <a href="#">280-100596</a> | 15   | 9-7/8  | 4-7/8  | 15-5/8   | 8.03               |
| <a href="#">280-100597</a> | 18   | 11-3/4 | 5-3/4  | 18-3/4   | 14.53              |
| <a href="#">280-100598</a> | 20   | 12-1/2 | 6-1/2  | 20-13/16 | 17.73              |



**Fabricated Fittings Technical**  
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### Low Head PIP 60° Elbow

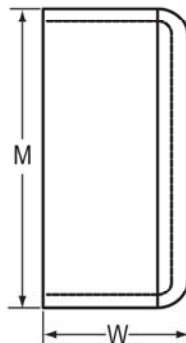
Socket x Socket



| Part Number                | Size | H       | J       | M        | Approx. Wt. (Lbs.) |
|----------------------------|------|---------|---------|----------|--------------------|
| <a href="#">280-100702</a> | 6    | 6-9/16  | 4-1/16  | 6-1/4    | 1.23               |
| <a href="#">280-100703</a> | 8    | 7-15/16 | 4-15/16 | 8-5/16   | 2.15               |
| <a href="#">280-100704</a> | 10   | 10-3/8  | 6-3/8   | 10-7/16  | 4.33               |
| <a href="#">280-100705</a> | 12   | 12      | 7       | 12-1/2   | 7.33               |
| <a href="#">280-100706</a> | 15   | 14-5/16 | 9-5/16  | 15-5/8   | 12.92              |
| <a href="#">280-100707</a> | 18   | 17-1/16 | 11-1/16 | 18-3/4   | 19.47              |
| <a href="#">280-100708</a> | 20   | 18-9/16 | 12-9/16 | 20-13/16 | 28.76              |

### Low Head PIP End Cap

Socket



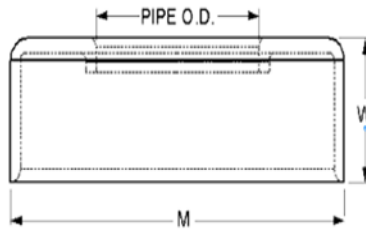
| Part Number                | Size  | M        | W      | Approx. Wt. (Lbs.) |
|----------------------------|-------|----------|--------|--------------------|
| <a href="#">280-107539</a> | 4 IPS | 4-7/8    | 2-1/4  | .35                |
| <a href="#">280-107540</a> | 6     | 6-7/16   | 2-1/2  | .52                |
| <a href="#">280-107541</a> | 8     | 8-7/16   | 3-1/4  | .88                |
| <a href="#">280-107542</a> | 10    | 10-9/16  | 3-3/8  | 1.65               |
| <a href="#">280-107543</a> | 12    | 12-5/8   | 4      | 2.62               |
| <a href="#">280-107545</a> | 15    | 15-11/16 | 4-3/4  | 3.96               |
| <a href="#">280-107547</a> | 18    | 18-3/4   | 3-5/16 | 4.64               |
| <a href="#">280-107548</a> | 20    | 20-3/4   | 2-3/4  | 4.22               |

Fabricated Fittings Technical  
**PVC Low Head PIP Fabricated Fittings, Risers & Accessories**



## Surface Reducer

Socket



| Part Number | Size  | M        | W      | Approx. Wt. (Lbs.) |
|-------------|-------|----------|--------|--------------------|
| 280-102013  | 6X2   | 6-7/16   | 2-1/2  | .49                |
| 280-102015  | 6X3   | 6-7/16   | 2-1/2  | .50                |
| 280-102016  | 6X4   | 6-7/16   | 2-1/2  | .46                |
| 280-102018  | 8X2   | 8-7/16   | 2-3/4  | .79                |
| 280-102020  | 8X3   | 8-7/16   | 2-3/4  | .82                |
| 280-102021  | 8X4   | 8-7/16   | 2-3/4  | 1.01               |
| 280-102022  | 8X6   | 8-7/16   | 2-3/4  | .79                |
| 280-102024  | 10X2  | 10-9/16  | 3-3/8  | 1.65               |
| 280-102026  | 10X3  | 10-9/16  | 3-3/8  | 1.62               |
| 280-102028  | 10X6  | 10-9/16  | 3-3/8  | 1.49               |
| 280-102027  | 10X4  | 10-9/16  | 3-3/8  | 1.58               |
| 280-102029  | 10X8  | 10-9/16  | 3-3/8  | 1.54               |
| 280-102031  | 12X2  | 12-5/8   | 4      | 2.48               |
| 280-102033  | 12X3  | 12-5/8   | 4      | 2.29               |
| 280-102034  | 12X4  | 12-5/8   | 4      | 2.46               |
| 280-102035  | 12X6  | 12-5/8   | 4      | 2.37               |
| 280-102036  | 12X8  | 12-5/8   | 4      | 2.62               |
| 280-102037  | 12X10 | 12-5/8   | 4      | 2.23               |
| 280-102048  | 15X2  | 15-11/16 | 4-3/4  | 3.83               |
| 280-102050  | 15X3  | 15-11/16 | 4-3/4  | 3.96               |
| 280-102051  | 15X4  | 15-11/16 | 4-3/4  | 3.94               |
| 280-102052  | 15X6  | 15-11/16 | 4-3/4  | 3.63               |
| 280-102053  | 15X8  | 15-11/16 | 4-3/4  | 3.96               |
| 280-102054  | 15X10 | 15-11/16 | 4-3/4  | 3.41               |
| 280-102055  | 15X12 | 15-11/16 | 4-3/4  | 3.32               |
| 280-102067  | 18X2  | 18-3/4   | 3-5/16 | 4.29               |
| 280-102069  | 18X3  | 18-3/4   | 3-5/16 | 4.51               |
| 280-102070  | 18X4  | 18-3/4   | 3-5/16 | 4.36               |
| 280-102071  | 18X6  | 18-3/4   | 3-5/16 | 4.64               |
| 280-102072  | 18X8  | 18-3/4   | 3-5/16 | 4.64               |
| 280-102073  | 18X10 | 18-3/4   | 3-5/16 | 3.94               |
| 280-102074  | 18X12 | 18-3/4   | 3-5/16 | 3.56               |
| 280-102075  | 18X15 | 18-3/4   | 3-5/16 | 3.19               |
| 280-102077  | 20X2  | 20-3/4   | 2-3/4  | 4.38               |
| 280-102136  | 20X3  | 20-3/4   | 2-3/4  | 4.29               |

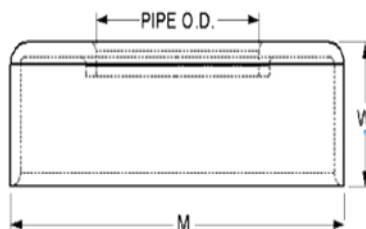


Fabricated Fittings Technical  
**PVC Low Head PIP Fabricated Fittings, Risers & Accessories**

## Surface Reducer

(Continued)

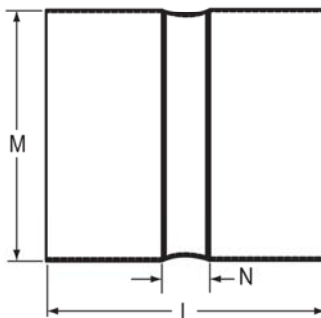
Socket



| Part Number                | Size  | M      | W     | Approx. Wt. (Lbs.) |
|----------------------------|-------|--------|-------|--------------------|
| <a href="#">280-102137</a> | 20X4  | 20-3/4 | 2-3/4 | 4.31               |
| <a href="#">280-102138</a> | 20X6  | 20-3/4 | 2-3/4 | 4.18               |
| <a href="#">280-102139</a> | 20X8  | 14-3/4 | 2-3/4 | 4.75               |
| <a href="#">280-102140</a> | 20X10 | 20-3/4 | 2-3/4 | 4.22               |
| <a href="#">280-102141</a> | 20X12 | 20-3/4 | 2-3/4 | 4.22               |
| <a href="#">280-102142</a> | 20X15 | 20-3/4 | 2-3/4 | 3.48               |
| <a href="#">280-102143</a> | 20X18 | 20-3/4 | 2-3/4 | 2.75               |

## Low Head PIP Coupling

Socket x Socket



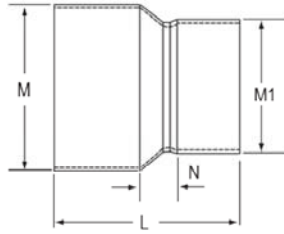
| Part Number                | Size  | L      | M        | N     | Approx. Wt. (Lbs.) |
|----------------------------|-------|--------|----------|-------|--------------------|
| <a href="#">280-100001</a> | 4 IPS | 5-5/8  | 4-3/4    | 1-1/8 | .48                |
| <a href="#">280-100002</a> | 6     | 6-5/8  | 6-3/8    | 5/8   | .66                |
| <a href="#">280-100003</a> | 8     | 9      | 8-3/8    | 1     | 1.12               |
| <a href="#">280-100004</a> | 10    | 10-5/8 | 10-7/16  | 5/8   | 2.09               |
| <a href="#">280-100005</a> | 12    | 11-1/2 | 12-1/2   | 1-1/2 | 3.25               |
| <a href="#">280-100006</a> | 15    | 11-3/4 | 15-5/8   | 1-3/4 | 5.15               |
| <a href="#">280-100007</a> | 18    | 13-5/8 | 18-3/4   | 1-5/8 | 8.03               |
| <a href="#">280-100008</a> | 20    | 15-1/2 | 20-13/16 | 2-1/2 | 11.32              |

**Fabricated Fittings Technical**  
**PVC Low Head PIP Fabricated Fittings, Risers & Accessories**



### Coupling- Reducer

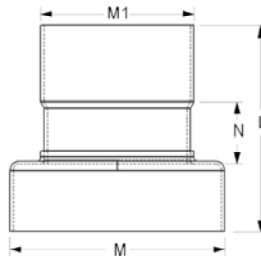
Socket X Socket



| Part Number                | Size  | L        | M        | M1      | N       | Approx. Wt. (Lbs.) |
|----------------------------|-------|----------|----------|---------|---------|--------------------|
| <a href="#">280-100928</a> | 8X6   | 10-9/16  | 8-7/16   | 6-7/16  | 3-1/16  | 1.85               |
| <a href="#">2829-626</a>   | 10X6  | 9        | 10-9/16  | 6-1/4   | 3-1/4   | 2.08               |
| <a href="#">280-100931</a> | 10X8  | 11-7/8   | 10-1/2   | 8-1/2   | 2-7/8   | 2.95               |
| <a href="#">280-100933</a> | 12X6  | 9-3/4    | 12-5/8   | 6-1/4   | 3-1/4   | 3.03               |
| <a href="#">280-100934</a> | 12X8  | 10-11/16 | 12-5/8   | 8-5/16  | 3-3/16  | 3.30               |
| <a href="#">280-100935</a> | 12X10 | 12-1/2   | 12-5/8   | 10-5/8  | 2-1/2   | 4.97               |
| <a href="#">2829-726</a>   | 15X6  | 10-7/16  | 15-11/16 | 6-1/4   | 3-7/16  | 12.70              |
| <a href="#">2829-728</a>   | 15X8  | 11-3/8   | 15-11/16 | 8-5/16  | 3-3/8   | 12.22              |
| <a href="#">280-100939</a> | 15X10 | 13-3/8   | 15-11/16 | 10-7/16 | 4-3/8   | 5.22               |
| <a href="#">280-100940</a> | 15X12 | 13-1/2   | 15-3/4   | 12-3/4  | 3-1/2   | 7.62               |
| <a href="#">2829-786</a>   | 18X6  | 9        | 18-3/4   | 6-1/4   | 3-1/2   | 4.73               |
| <a href="#">2829-788</a>   | 18X8  | 9-15/16  | 18-3/4   | 8-5/16  | 3-7/16  | 5.04               |
| <a href="#">280-100944</a> | 18X10 | 11-15/16 | 18-3/4   | 10-7/16 | 4-7/16  | 5.72               |
| <a href="#">280-100945</a> | 18X12 | 11-15/16 | 18-3/4   | 12-7/16 | 4-7/16  | 6.21               |
| <a href="#">280-100946</a> | 18X15 | 15-13/16 | 18-15/16 | 15-7/8  | 4-13/16 | 13.17              |
| <a href="#">2829-816</a>   | 20X6  | 8-1/2    | 20-3/4   | 6-1/4   | 3-1/4   | 4.66               |
| <a href="#">2829-818</a>   | 20X8  | 9-7/16   | 20-3/4   | 8-5/16  | 3-3/16  | 4.89               |
| <a href="#">2829-820</a>   | 20X10 | 11-7/16  | 20-3/4   | 10-7/16 | 4-3/16  | 5.83               |
| <a href="#">2829-822</a>   | 20X12 | 11-7/16  | 20-3/4   | 12-7/16 | 4-3/16  | 6.03               |
| <a href="#">2829-825</a>   | 20X15 | 12-7/16  | 20-3/4   | 15-5/8  | 5-3/16  | 7.57               |
| <a href="#">280-100953</a> | 20X18 | 16-7/8   | 21-1/2   | 19-1/8  | 4-3/8   | 19.07              |

### PIP X IPS Coupling- Reducer

Socket X Socket



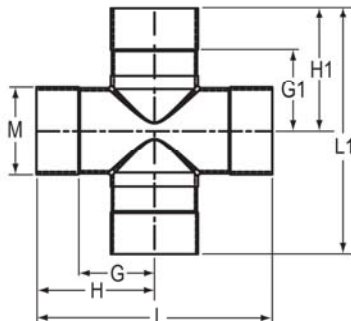
| Part Number                | Size  | L       | M        | M1      | N       | Approx. Wt. (Lbs.) |
|----------------------------|-------|---------|----------|---------|---------|--------------------|
| <a href="#">280-101534</a> | 12X8  | 11-5/8  | 12-5/8   | 9-1/16  | 3-7/8   | 4.60               |
| <a href="#">280-101536</a> | 6X4   | 8-7/16  | 6-5/8    | 5       | 2-15/16 | 1.82               |
| <a href="#">280-101537</a> | 8X6   | 9-3/8   | 8-1/2    | 6-15/16 | 2-3/8   | 2.09               |
| <a href="#">280-101538</a> | 10X8  | 11-9/16 | 10-5/8   | 9-1/16  | 2-9/16  | 4.07               |
| <a href="#">280-101539</a> | 12X10 | 11-7/8  | 12-5/8   | 11-1/8  | 1-7/8   | 6.82               |
| <a href="#">280-101540</a> | 15X12 | 13-1/8  | 15-11/16 | 13-1/8  | 3-1/8   | 6.45               |



**Fabricated Fittings Technical**  
**PVC Low Head PIP Fabricated Fittings, Risers & Accessories**

### Low Head PIP Cross

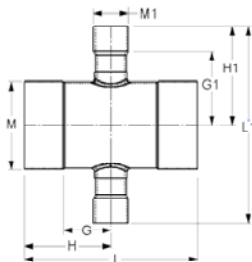
Socket x Socket x Socket x Socket



| Part Number | Size | G        | G1       | H        | H1       | L      | L1     | M        | Approx. Wt. (Lbs.) |
|-------------|------|----------|----------|----------|----------|--------|--------|----------|--------------------|
| 280-103286  | 6    | 5-1/2    | 5-7/8    | 8-1/2    | 8-7/8    | 17     | 17-3/4 | 6-1/4    | 2.24               |
| 280-103291  | 8    | 6-9/16   | 6-13/16  | 10-9/16  | 10-13/16 | 21-1/8 | 21-5/8 | 8-5/16   | 4.07               |
| 280-103297  | 10   | 7-9/16   | 8-13/16  | 12-9/16  | 13-13/16 | 25-1/8 | 27-5/8 | 10-7/16  | 8.32               |
| 280-103304  | 12   | 8-11/16  | 9-13/16  | 13-11/16 | 14-13/16 | 27-3/8 | 29-5/8 | 12-1/2   | 12.33              |
| 280-103321  | 15   | 11-15/16 | 12-5/16  | 16-15/16 | 17-5/16  | 33-7/8 | 34-5/8 | 15-5/8   | 20.79              |
| 280-103342  | 18   | 13-9/16  | 13-13/16 | 19-9/16  | 19-13/16 | 39-1/8 | 39-5/8 | 18-3/4   | 34.36              |
| 280-103354  | 20   | 15       | 15-13/16 | 21-1/2   | 21-13/16 | 43     | 43-5/8 | 20-13/16 | 52.87              |

### Low Head Cross- Reducer

Socket X Socket X Socket X Socket



| Part Number | Size | G       | G1      | H       | H1       | L      | L1     | M       | M1      | Approx. Wt. (Lbs.) |
|-------------|------|---------|---------|---------|----------|--------|--------|---------|---------|--------------------|
| 280-103283  | 6X2  | 3-5/8   | 5-1/4   | 6-5/8   | 7        | 13-1/4 | 14     | 6-1/4   | 2-11/16 | 1.55               |
| 280-103284  | 6X3  | 4-1/4   | 6       | 7-1/4   | 8-1/4    | 14-1/2 | 16-1/2 | 6-1/4   | 3-15/16 | 2.40               |
| 280-103285  | 6X4  | 4-3/4   | 6-1/16  | 7-3/4   | 8-5/16   | 15-1/2 | 16-5/8 | 6-1/4   | 4-3/4   | 2.07               |
| 280-103287  | 8X2  | 3-11/16 | 6-1/4   | 7-11/16 | 8        | 15-3/8 | 16     | 8-5/16  | 2-11/16 | 2.05               |
| 280-103288  | 8X3  | 4-3/16  | 7       | 8-3/16  | 9-1/4    | 16-3/8 | 18-1/2 | 8-5/16  | 3-15/16 | 3.12               |
| 280-103289  | 8X4  | 4-11/16 | 7-1/16  | 8-11/16 | 9-5/16   | 17-3/8 | 18-5/8 | 8-5/16  | 4-3/4   | 3.06               |
| 280-103290  | 8X6  | 5-9/16  | 6-7/8   | 9-9/16  | 9-7/8    | 19-1/8 | 19-3/4 | 8-5/16  | 6-1/4   | 3.41               |
| 280-103292  | 10X2 | 3-11/16 | 7-1/4   | 8-11/16 | 9        | 17-3/8 | 18     | 10-7/16 | 2-11/16 | 3.87               |
| 280-103293  | 10X3 | 4-3/16  | 8       | 9-3/16  | 10-1/4   | 18-3/8 | 20-1/2 | 10-7/16 | 3-15/16 | 4.82               |
| 280-103294  | 10X4 | 4-11/16 | 8-1/16  | 9-11/16 | 10-5/16  | 19-3/8 | 20-5/8 | 10-7/16 | 4-3/4   | 4.61               |
| 280-103295  | 10X6 | 5-9/16  | 7-7/8   | 10-9/16 | 10-7/8   | 21-1/8 | 21-3/4 | 10-7/16 | 6-1/4   | 4.95               |
| 280-103296  | 10X8 | 6-9/16  | 7-13/16 | 11-9/16 | 11-13/16 | 23-1/8 | 23-5/8 | 10-7/16 | 8-5/16  | 5.58               |
| 280-103298  | 12X2 | 3-11/16 | 8-1/4   | 8-11/16 | 10       | 17-3/8 | 20     | 12-1/2  | 2-11/16 | 5.45               |
| 280-103299  | 12X3 | 4-5/16  | 9       | 9-5/16  | 11-1/4   | 18-5/8 | 22-1/2 | 12-1/2  | 3-15/16 | 6.50               |
| 280-103300  | 12X4 | 4-13/16 | 9-1/16  | 9-13/16 | 11-5/16  | 19-5/8 | 22-5/8 | 12-1/2  | 4-3/4   | 6.27               |
| 280-103301  | 12X6 | 5-9/16  | 8-7/8   | 10-9/16 | 11-7/8   | 21-1/8 | 23-3/4 | 12-1/2  | 6-1/4   | 6.88               |

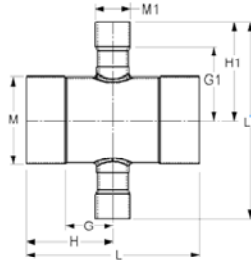
**Fabricated Fittings Technical**  
**PVC Low Head PIP Fabricated Fittings, Risers & Accessories**



## Low Head Cross- Reducer

Socket X Socket X Socket X Socket

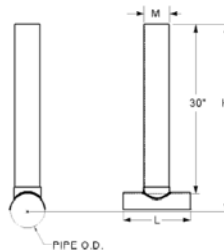
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| Part Number | Size  | G       | G1       | H        | H1       | L      | L1     | M        | M1      | Approx. Wt. (Lbs.) |
|-------------|-------|---------|----------|----------|----------|--------|--------|----------|---------|--------------------|
| 280-103303  | 12X10 | 7-5/16  | 9-13/16  | 12-5/16  | 14-13/16 | 24-5/8 | 29-5/8 | 12-1/2   | 10-7/16 | 10.66              |
| 280-103313  | 15X2  | 5-9/16  | 9-3/4    | 10-9/16  | 11-1/2   | 21-1/8 | 23     | 15-5/8   | 2-13/16 | 9.89               |
| 280-103302  | 12X8  | 6-9/16  | 8-13/16  | 11-9/16  | 12-13/16 | 23-1/8 | 25-5/8 | 12-1/2   | 8-5/16  | 7.88               |
| 280-103314  | 15X3  | 6-1/16  | 10-1/2   | 11-1/16  | 12-3/4   | 22-1/8 | 25-1/2 | 15-5/8   | 3-15/16 | 11.09              |
| 280-103315  | 15X4  | 6-9/16  | 10-9/16  | 11-9/16  | 12-13/16 | 23-1/8 | 25-5/8 | 15-5/8   | 4-3/4   | 11.11              |
| 280-103316  | 15X6  | 7-7/16  | 10-3/8   | 12-7/16  | 13-3/8   | 24-7/8 | 26-3/4 | 15-5/8   | 6-1/4   | 11.92              |
| 280-103317  | 15X8  | 8-7/16  | 10-5/16  | 13-7/16  | 14-5/16  | 26-7/8 | 28-5/8 | 15-5/8   | 8-5/8   | 13.22              |
| 280-103318  | 15X10 | 9-7/16  | 11-5/16  | 14-7/16  | 16-5/16  | 28-7/8 | 32-5/8 | 15-5/8   | 10-7/16 | 16.08              |
| 280-103319  | 15X12 | 10-7/16 | 11-5/16  | 15-7/16  | 16-5/16  | 30-7/8 | 32-5/8 | 15-5/8   | 12-1/2  | 18.51              |
| 280-103332  | 18X2  | 5-9/16  | 11-1/4   | 11-9/16  | 13       | 23-1/8 | 26     | 18-3/4   | 2-11/16 | 15.50              |
| 280-103333  | 18X3  | 6-3/16  | 12       | 12-3/16  | 14-1/4   | 24-3/8 | 28-1/2 | 18-3/4   | 3-15/16 | 13.70              |
| 280-103334  | 18X4  | 6-11/16 | 12-1/16  | 12-11/16 | 14-5/16  | 25-3/8 | 28-5/8 | 18-3/4   | 4-3/4   | 16.49              |
| 280-103336  | 18X8  | 8-7/16  | 11-7/8   | 14-7/16  | 15-7/8   | 28-7/8 | 31-3/4 | 18-3/4   | 8-5/16  | 20.02              |
| 280-103337  | 18X10 | 9-7/16  | 12-7/8   | 15-7/16  | 17-7/8   | 30-7/8 | 35-3/4 | 18-3/4   | 10-7/16 | 20.78              |
| 280-103338  | 18X12 | 10-7/16 | 12-7/8   | 16-7/16  | 17-7/8   | 32-7/8 | 35-3/4 | 18-3/4   | 12-7/16 | 25.55              |
| 280-103340  | 18X15 | 12-1/16 | 13-13/16 | 18-1/16  | 18-13/16 | 36-1/8 | 37-5/8 | 18-3/4   | 15-5/8  | 28.01              |
| 280-103343  | 20X2  | 6-1/8   | 12-1/4   | 12-5/8   | 14       | 25-1/4 | 28     | 20-13/16 | 2-11/16 | 20.75              |
| 280-103344  | 20X3  | 6-5/8   | 13       | 13-1/8   | 15-1/4   | 26-1/4 | 30-1/2 | 20-1/16  | 3-15/16 | 22.30              |
| 280-103345  | 20X4  | 7-1/8   | 13-1/16  | 13-5/8   | 15-5/16  | 27-1/4 | 30-5/8 | 20-13/16 | 4-3/4   | 22.68              |
| 280-103346  | 20X6  | 8       | 12-7/8   | 14-1/2   | 15-7/8   | 29     | 31-3/4 | 20-13/16 | 6-1/4   | 20.30              |
| 280-103348  | 20X10 | 10      | 13-7/8   | 16-1/2   | 18-7/8   | 33     | 37-3/4 | 20-13/16 | 10-7/16 | 29.76              |
| 280-103349  | 20X12 | 11      | 13-7/8   | 17-1/2   | 17-7/8   | 35     | 37-3/4 | 20-13/16 | 12-7/16 | 32.90              |
| 280-103351  | 20X15 | 12-1/2  | 14-13/16 | 19       | 19-13/16 | 38     | 39-5/8 | 20-13/16 | 15-5/8  | 32.37              |
| 280-103353  | 20X18 | 14      | 14-13/16 | 20-1/2   | 20-13/16 | 41     | 41-5/8 | 20-13/16 | 18-3/4  | 38.67              |
| 280-103347  | 20X8  | 9       | 12-7/8   | 15-1/2   | 16-7/8   | 31     | 33-3/4 | 20-13/16 | 8-5/16  | 26.20              |
| 280-103335  | 18X6  | 7-7/16  | 11-7/8   | 13-7/16  | 14-7/8   | 26-7/8 | 29-3/4 | 18-3/4   | 6-1/4   | 18.32              |

## Orchard Riser

Saddle X Riser



| Part Number | Size | H      | L       | M     | Approx. Wt. (Lbs.) |
|-------------|------|--------|---------|-------|--------------------|
| 2880-04030  | 4X4  | 32-1/2 | 8-13/16 | 4-1/2 | 4.00               |

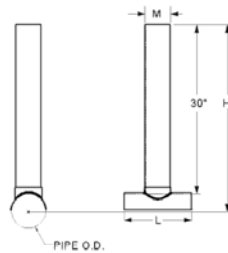


**Fabricated Fittings Technical**  
**PVC Low Head PIP Fabricated Fittings, Risers & Accessories**

## Orchard Riser

(Continued)

Saddle X Riser



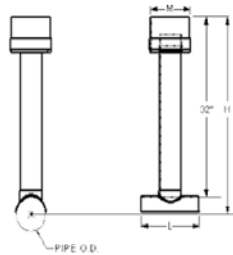
| Part Number | Size  | H        | L      | M       | Approx. Wt.<br>(Lbs.) |
|-------------|-------|----------|--------|---------|-----------------------|
| 2880-53230  | 6X4   | 33-3/16  | 12     | 4-1/2   | 3.30                  |
| 2880-06030  | 6X6   | 33-1/8   | 13     | 6-1/8   | 3.41                  |
| 2880-58230  | 8X4   | 34-3/16  | 8-3/4  | 4-1/2   | 3.12                  |
| 2880-58530  | 8X6   | 34-3/16  | 10-3/4 | 6-1/8   | 3.61                  |
| 2880-08030  | 8X8   | 34-3/16  | 16     | 8-3/16  | 5.28                  |
| 2880-62430  | 10X4  | 35-1/4   | 8-1/2  | 4-1/2   | 3.10                  |
| 2880-62630  | 10X6  | 35-1/4   | 10-1/2 | 6-1/8   | 3.63                  |
| 2880-62830  | 10X8  | 35-1/4   | 14     | 8-3/16  | 5.37                  |
| 2880-66430  | 12X4  | 36-1/4   | 8-1/2  | 4-1/2   | 3.17                  |
| 2880-66630  | 12X6  | 36-1/4   | 10-1/2 | 6-1/8   | 3.65                  |
| 2880-66830  | 12X8  | 36-1/4   | 13-1/2 | 8-3/16  | 5.33                  |
| 2880-67030  | 12X10 | 36-1/4   | 17     | 10-3/16 | 7.64                  |
| 2880-72430  | 15X4  | 37-13/16 | 8-3/4  | 4-1/2   | 3.08                  |
| 2880-72630  | 15X6  | 37-13/16 | 10-3/4 | 6-1/8   | 3.70                  |
| 2880-72830  | 15X8  | 37-13/16 | 13-3/4 |         | 5.11                  |
| 2880-73030  | 15X10 | 37-13/16 | 16-1/4 | 10-3/16 | 7.70                  |
| 2880-10030  | 10X10 | 35-3/16  | 19     | 10-3/16 | 8.48                  |
| 2880-73230  | 15X12 | 37-13/16 | 19     | 12-1/4  | 11.40                 |
| 2880-78430  | 18X4  | 39-5/16  | 9      | 4-1/2   | 3.17                  |
| 2880-78630  | 18X6  | 39-5/16  | 11     | 6-1/8   | 3.59                  |
| 2880-78830  | 18X8  | 39-5/16  | 13-1/2 | 8-3/16  | 5.30                  |
| 2880-79030  | 18X10 | 39-5/16  | 16-1/2 | 10-3/16 | 7.46                  |
| 2880-15030  | 15X15 | 37-13/16 | 27     | 15-5/16 | 22.90                 |
| 2880-79530  | 18X15 | 39-3/8   | 25     | 15-5/16 | 20.41                 |
| 2880-18030  | 18X18 | 39-3/8   | 32     | 18-3/8  | 32.51                 |
| 2880-81430  | 20X4  | 40-3/8   | 10-3/4 | 4-1/2   | 3.59                  |
| 2880-81630  | 20X6  | 40-5/16  | 10-3/4 | 6-1/8   | 3.37                  |
| 2880-81830  | 20X8  | 40-5/16  | 13-3/4 | 8-3/16  | 5.24                  |
| 2880-12030  | 12X12 | 36-1/4   | 22     | 12-1/4  | 12.29                 |
| 2880-82030  | 20X10 | 40-5/16  | 17     | 10-3/16 | 7.62                  |
| 2880-82230  | 20X12 | 40-5/16  | 19-1/4 | 12-1/4  | 12.55                 |
| 2880-82530  | 20X15 | 40-3/8   | 24-1/2 | 15-5/16 | 19.71                 |
| 2880-82830  | 20X18 | 40-7/16  | 29-1/2 | 18-3/8  | 27.53                 |
| 2880-20030  | 20X20 | 40-3/8   | 38     | 20-3/8  | 44.14                 |

**Fabricated Fittings Technical**  
**PVC Low Head PIP Fabricated Fittings, Risers & Accessories**



## Erosion Pot Riser

Saddle X Riser X Pot



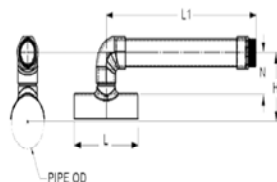
| Part Number                | Size     | H        | L      | M       | Approx. Wt.<br>(Lbs.) |
|----------------------------|----------|----------|--------|---------|-----------------------|
| <a href="#">2881-53232</a> | 6X4X8    | 35-3/16  | 12     | 8-3/16  | 5.06                  |
| <a href="#">2881-06032</a> | 6X6X10   | 35-1/8   | 13     | 10-3/16 | 5.71                  |
| <a href="#">2881-58232</a> | 8X4X8    | 36-3/16  | 8-3/4  | 8-3/16  | 5.00                  |
| <a href="#">2881-58532</a> | 8X6X10   | 36-3/16  | 10-3/4 | 10-3/16 | 5.81                  |
| <a href="#">2881-08032</a> | 8X8X12   | 36-3/16  | 16     | 12-1/4  | 9.48                  |
| <a href="#">2881-62432</a> | 10X4X8   | 37-1/4   | 8-1/2  | 8-3/16  | 4.66                  |
| <a href="#">2881-62632</a> | 10X6X10  | 37-1/4   | 10-1/2 | 10-3/16 | 5.92                  |
| <a href="#">2881-62832</a> | 10X8X12  | 37-1/4   | 14     | 12-1/4  | 9.01                  |
| <a href="#">2881-10032</a> | 10X10X15 | 37-3/16  | 19     | 15-5/16 | 15.30                 |
| <a href="#">2881-66432</a> | 12X4X8   | 38-1/4   | 8-1/2  | 8-3/16  | 4.67                  |
| <a href="#">2881-66632</a> | 12X6X10  | 38-1/4   | 10-1/2 | 10-3/16 | 6.60                  |
| <a href="#">2881-66832</a> | 12X8X12  | 38-1/4   | 13-1/2 | 12-1/4  | 9.03                  |
| <a href="#">2881-67032</a> | 12X10X15 | 38-1/4   | 17     | 15-5/16 | 14.45                 |
| <a href="#">2881-12032</a> | 12X12X18 | 38-1/4   | 22     | 18-3/8  | 21.88                 |
| <a href="#">2881-72432</a> | 15X4X8   | 39-13/16 | 8-3/4  | 8-3/16  | 4.64                  |
| <a href="#">2881-72632</a> | 15X6X10  | 39-13/16 | 10-3/4 | 10-3/16 | 6.71                  |
| <a href="#">2881-72832</a> | 15X8X12  | 39-13/16 | 13-3/4 | 12-1/4  | 9.22                  |
| <a href="#">2881-73032</a> | 15X10X15 | 39-13/16 | 16-1/4 | 15-5/16 | 14.43                 |
| <a href="#">2881-73232</a> | 15X12X18 | 39-13/16 | 19     | 18-3/8  | 21.56                 |
| <a href="#">2881-15032</a> | 15X15X20 | 39-13/16 | 27     | 20-3/8  | 31.53                 |
| <a href="#">2881-78432</a> | 18X4X8   | 41-5/16  | 9      | 8-3/16  | 4.73                  |
| <a href="#">2881-78632</a> | 18X6X10  | 41-5/16  | 11     | 10-3/16 | 6.05                  |
| <a href="#">2881-78832</a> | 18X8X12  | 41-5/16  | 13-1/2 | 12-1/4  | 8.52                  |
| <a href="#">2881-79032</a> | 18X10X15 | 41-5/16  | 16-1/2 | 15-5/16 | 14.34                 |
| <a href="#">2881-79232</a> | 18X12X18 | 41-3/8   | 19     | 18-3/8  | 20.96                 |
| <a href="#">2881-79532</a> | 18X15X20 | 41-3/8   | 25     | 20-3/8  | 29.79                 |
| <a href="#">2881-81432</a> | 20X4X8   | 42-3/8   | 10-3/4 | 8-3/16  | 5.28                  |
| <a href="#">2881-81632</a> | 20X6X10  | 42-5/16  | 10-3/4 | 10-3/16 | 5.98                  |
| <a href="#">2881-81832</a> | 20X8X12  | 42-5/16  | 13-3/4 | 12-1/4  | 9.05                  |
| <a href="#">2881-82032</a> | 20X10X15 | 42-5/16  | 17     | 15-5/16 | 14.23                 |
| <a href="#">2881-82232</a> | 20X12X18 | 42-3/8   | 19-1/4 | 18-3/8  | 21.11                 |
| <a href="#">2881-82532</a> | 20X15X20 | 42-3/8   | 24-1/2 | 20-3/8  | 29.50                 |



**Fabricated Fittings Technical**  
**PVC Low Head PIP Fabricated Fittings, Risers & Accessories**

## Mechanical Vent Assembly

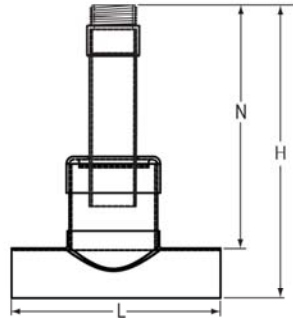
Saddle X Riser/Vent



| Part Number              | Size | H        | L      | L1      | N       | Approx. Wt.<br>(Lbs.) |
|--------------------------|------|----------|--------|---------|---------|-----------------------|
| <a href="#">2882-420</a> | 4X2  | 5-13/16  | 8-3/4  | 20-5/8  | 3-9/16  | 2.24                  |
| <a href="#">2882-422</a> | 4X3  | 7-1/8    | 8      | 21-3/4  | 4-7/8   | 4.57                  |
| <a href="#">2882-528</a> | 6X2  | 6-5/8    | 8-3/4  | 20-5/8  | 3-9/16  | 2.29                  |
| <a href="#">2882-530</a> | 6X3  | 7-15/16  | 9      | 21-3/4  | 4-7/8   | 4.79                  |
| <a href="#">2882-532</a> | 6X4  | 8-3/4    | 12     | 22-7/16 | 5-11/16 | 5.15                  |
| <a href="#">2882-578</a> | 8X2  | 7-11/16  | 8-1/2  | 20-5/8  | 3-9/16  | 2.26                  |
| <a href="#">2882-580</a> | 8X3  | 8-15/16  | 8-1/2  | 21-3/4  | 4-7/8   | 4.73                  |
| <a href="#">2882-582</a> | 8X4  | 9-3/4    | 8-3/4  | 22-7/16 | 5-11/16 | 4.96                  |
| <a href="#">2882-621</a> | 10X2 | 8-11/16  | 8-1/2  | 20-5/8  | 3-9/16  | 2.29                  |
| <a href="#">2882-623</a> | 10X3 | 10       | 8-3/4  | 21-3/4  | 4-7/8   | 4.61                  |
| <a href="#">2882-624</a> | 10X4 | 10-13/16 | 8-1/2  | 22-7/16 | 5-11/16 | 4.89                  |
| <a href="#">2882-661</a> | 12X2 | 9-11/16  | 8-3/4  | 20-5/8  | 3-9/16  | 2.30                  |
| <a href="#">2882-663</a> | 12X3 | 11       | 8-1/2  | 21-3/4  | 4-7/8   | 4.63                  |
| <a href="#">2882-664</a> | 12X4 | 11-13/16 | 8-1/2  | 22-7/16 | 5-11/16 | 4.91                  |
| <a href="#">2882-721</a> | 15X2 | 11-1/4   | 8-3/4  | 20-5/8  | 3-9/16  | 2.36                  |
| <a href="#">2882-723</a> | 15X3 | 12-1/2   | 8-3/4  | 21-3/4  | 4-7/8   | 4.61                  |
| <a href="#">2882-724</a> | 15X4 | 13-5/16  | 8-3/4  | 22-7/16 | 5-11/16 | 5.17                  |
| <a href="#">2882-781</a> | 18X2 | 12-3/4   | 9      | 20-5/8  | 3-9/16  | 2.38                  |
| <a href="#">2882-783</a> | 18X3 | 14-1/16  | 9      | 21-3/4  | 4-7/8   | 4.94                  |
| <a href="#">2882-784</a> | 18X4 | 14-7/8   | 9      | 22-7/16 | 5-11/16 | 5.03                  |
| <a href="#">2882-811</a> | 20X2 | 13-3/4   | 9      | 20-5/8  | 3-9/16  | 2.40                  |
| <a href="#">2882-813</a> | 20X3 | 15-1/16  | 9      | 21-3/4  | 4-7/8   | 4.85                  |
| <a href="#">2882-814</a> | 20X4 | 15-7/8   | 10-3/4 | 22-7/16 | 5-11/16 | 5.71                  |

## Low Head PIP Mechanical Vent Riser

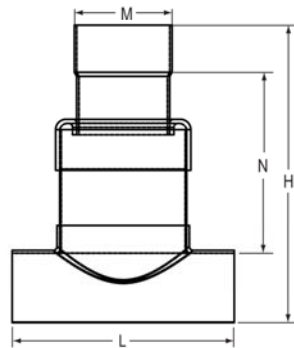
Saddle x Riser/Vent x Chamber



| Part Number                | Size    | H        | L      | N  | Approx. Wt. (Lbs.) |
|----------------------------|---------|----------|--------|----|--------------------|
| <a href="#">2883-52842</a> | 6X2X4   | 45-3/16  | 12     | 42 | 3.92               |
| <a href="#">2883-57842</a> | 8X2X6   | 46-3/16  | 10-3/4 | 42 | 4.38               |
| <a href="#">2883-58042</a> | 8X3X6   | 46-3/16  | 10-3/4 | 42 | 7.06               |
| <a href="#">2883-62142</a> | 10X2X8  | 47-1/4   | 14     | 42 | 5.30               |
| <a href="#">2883-62342</a> | 10X3X8  | 47-1/4   | 14     | 42 | 8.32               |
| <a href="#">2883-62442</a> | 10X4X8  | 47-1/4   | 14     | 42 | 6.87               |
| <a href="#">2883-66142</a> | 12X2X10 | 48-1/4   | 17     | 42 | 7.84               |
| <a href="#">2883-66342</a> | 12X3X10 | 48-1/4   | 17     | 42 | 9.95               |
| <a href="#">2883-66442</a> | 12X4X10 | 48-1/4   | 17     | 42 | 9.11               |
| <a href="#">2883-72442</a> | 15X4X12 | 49-15/16 | 26     | 42 | 12.97              |
| <a href="#">2883-78442</a> | 18X4X15 | 51-3/8   | 25     | 42 | 20.87              |
| <a href="#">2883-81442</a> | 20X4X18 | 52-7/16  | 29-1/2 | 42 | 28.62              |

## Low Head PIP Vent Base

Saddle x Riser x Outlet



| Part Number                 | Size    | H        | L      | M       | N        | Approx. Wt. (Lbs.) |
|-----------------------------|---------|----------|--------|---------|----------|--------------------|
| <a href="#">2888-532020</a> | 6X4X2   | 10-11/16 | 12     | 2-11/16 | 5-7/8    | 1.70               |
| <a href="#">2888-585030</a> | 8X6X3   | 14-13/16 | 10-3/4 | 3-15/16 | 8-1/2    | 2.44               |
| <a href="#">2888-585040</a> | 8X6X4   | 15-1/8   | 10-3/4 | 4-3/4   | 8-13/16  | 2.35               |
| <a href="#">2888-628060</a> | 10X8X6  | 18-5/16  | 14     | 6-1/4   | 10-13/16 | 3.35               |
| <a href="#">2888-670060</a> | 12X10X6 | 21-1/8   | 17     | 6-1/4   | 12       | 5.87               |
| <a href="#">2888-732080</a> | 15X12X8 | 25-7/16  | 19     | 8-5/16  | 13-13/16 | 9.97               |
| <a href="#">2888-795080</a> | 18X15X8 | 30       | 25     | 8-5/16  | 16-13/16 | 17.62              |

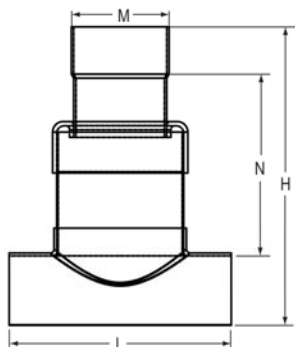


**Fabricated Fittings Technical**  
**PVC Low Head PIP Fabricated Fittings, Risers & Accessories**

### Low Head PIP Vent Base

(Continued)

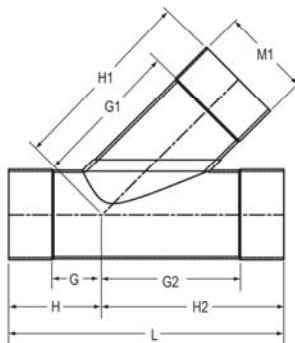
Saddle x Riser x Outlet



| Part Number                 | Size    | H      | L      | M      | N        | Approx. Wt. (Lbs.) |
|-----------------------------|---------|--------|--------|--------|----------|--------------------|
| <a href="#">2888-828080</a> | 20X18X8 | 34-1/8 | 29-1/2 | 8-5/16 | 19-15/16 | 28.19              |

### Low Head PIP Wye

Socket x Socket x Socket



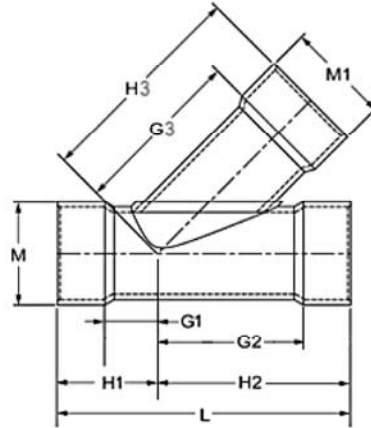
| Part Number              | Size | G       | G1       | G2       | H        | H1       | H2       | L      | M        | M1       | Approx. Wt. (Lbs.) |
|--------------------------|------|---------|----------|----------|----------|----------|----------|--------|----------|----------|--------------------|
| <a href="#">2875-060</a> | 6    | 3-11/16 | 10-15/16 | 9-13/16  | 6-11/16  | 13-15/16 | 12-13/16 | 19-1/2 | 6-1/4    | 6-1/4    | 2.42               |
| <a href="#">2875-080</a> | 8    | 4-5/8   | 13-13/16 | 12-3/4   | 8-5/8    | 17-13/16 | 16-3/4   | 25-3/8 | 8-5/16   | 8-5/16   | 4.95               |
| <a href="#">2875-100</a> | 10   | 5-11/16 | 16-3/4   | 15-15/16 | 10-11/16 | 21-3/4   | 20-15/16 | 31-5/8 | 10-7/16  | 10-7/16  | 8.75               |
| <a href="#">2875-120</a> | 12   | 6-11/16 | 19-1/8   | 18-15/16 | 11-11/16 | 24-1/8   | 23-15/16 | 35-5/8 | 12-1/2   | 12-1/2   | 14.09              |
| <a href="#">2875-150</a> | 15   | 8-7/16  | 23-9/16  | 23-11/16 | 13-7/16  | 28-9/16  | 28-11/16 | 42-1/8 | 15-5/8   | 15-5/8   | 25.44              |
| <a href="#">2875-183</a> | 18   | 7-3/16  | 25-9/16  | 25-9/16  | 13-3/16  | 31-9/16  | 31-9/16  | 44-3/4 | 18-3/4   | 18-3/4   | 39.97              |
| <a href="#">2875-200</a> | 20   | 9-5/8   | 30       | 30       | 16-1/8   | 36-1/2   | 36-1/2   | 52-5/8 | 20-13/16 | 20-13/16 | 55.48              |

Fabricated Fittings Technical  
**PVC Low Head PIP Fabricated Fittings, Risers & Accessories**



## Low Head PIP Reducing Wye

Socket X Socket X Socket



| Part Number              | Size  | G       | G1       | G2       | H        | H1       | H2       | L      | M        | M1      | Approx. Wt.<br>(Lbs.) |
|--------------------------|-------|---------|----------|----------|----------|----------|----------|--------|----------|---------|-----------------------|
| <a href="#">2875-532</a> | 6X4   | 2-1/16  | 10-5/16  | 8-3/16   | 5-1/16   | 12-9/16  | 11-3/16  | 16-1/4 | 6-1/4    | 4-3/4   | 2.26                  |
| <a href="#">2875-585</a> | 8X6   | 2-3/4   | 12-5/16  | 10-7/8   | 6-3/4    | 15-5/16  | 14-7/8   | 21-5/8 | 8-5/16   | 6-1/4   | 3.50                  |
| <a href="#">2875-626</a> | 10X6  | 1-9/16  | 13-3/4   | 11-13/16 | 6-9/16   | 16-3/4   | 16-13/16 | 23-3/8 | 10-7/16  | 6-1/4   | 5.66                  |
| <a href="#">2875-666</a> | 12X6  | 11/16   | 15-3/16  | 12-15/16 | 5-11/16  | 18-3/16  | 17-15/16 | 23-5/8 | 12-1/2   | 6-1/4   | 7.90                  |
| <a href="#">2875-668</a> | 12X8  | 2-11/16 | 16-5/8   | 14-15/16 | 7-11/16  | 20-5/8   | 19-15/16 | 27-5/8 | 12-1/2   | 8-5/16  | 9.22                  |
| <a href="#">2875-670</a> | 12X10 | 4-11/16 | 18-1/8   | 16-15/16 | 9-11/16  | 23-1/8   | 21-15/16 | 31-5/8 | 12-1/2   | 10-7/16 | 11.34                 |
| <a href="#">2875-726</a> | 15X6  | 11/16   | 17-1/4   | 14-9/16  | 4-5/16   | 20-1/4   | 19-9/16  | 23-7/8 | 15-5/8   | 6-1/4   | 11.36                 |
| <a href="#">2875-728</a> | 15X8  | 1-7/16  | 18-3/4   | 16-11/16 | 6-7/16   | 22-3/4   | 21-11/16 | 28-1/8 | 15-5/8   | 8-5/16  | 14.49                 |
| <a href="#">2875-730</a> | 15X10 | 3-7/16  | 20-1/4   | 18-11/16 | 8-7/16   | 25-1/4   | 23-11/16 | 32-1/8 | 15-5/8   | 10-7/16 | 16.80                 |
| <a href="#">2875-732</a> | 15X12 | 5-7/16  | 21-1/4   | 20-11/16 | 10-7/16  | 26-1/4   | 25-11/16 | 36-1/8 | 15-5/8   | 12-1/2  | 19.20                 |
| <a href="#">2875-786</a> | 18X6  | 2-1/8   | 19-3/8   | 16-1/4   | 3-7/8    | 22-3/8   | 22-1/4   | 26-1/8 | 18-3/4   | 6-1/4   | 17.07                 |
| <a href="#">2875-788</a> | 18X8  | 1/8     | 20-7/8   | 18-1/4   | 5-7/8    | 24-7/8   | 24-1/4   | 30-1/8 | 18-3/4   | 8-5/16  | 20.55                 |
| <a href="#">2875-790</a> | 18X10 | 1-7/8   | 22-3/8   | 20-1/4   | 7-7/8    | 27-3/8   | 26-1/4   | 34-1/8 | 18-3/4   | 10-7/16 | 23.89                 |
| <a href="#">2875-792</a> | 18X12 | 4       | 23-3/8   | 22-3/8   | 10       | 28-3/8   | 28-3/8   | 38-3/8 | 18-3/4   | 12-1/2  | 27.13                 |
| <a href="#">2875-795</a> | 18X15 | 6-7/8   | 25-11/16 | 25-1/4   | 12-7/8   | 30-11/16 | 31-1/4   | 44-1/8 | 18-3/4   | 15-5/8  | 33.92                 |
| <a href="#">2875-816</a> | 20X6  | 2-5/8   | 20-13/16 | 17-3/4   | 3-7/8    | 23-13/16 | 24-1/4   | 28-1/8 | 20-13/16 | 6-1/4   | 22.40                 |
| <a href="#">2875-818</a> | 20X8  | 5/8     | 22-1/4   | 19-3/4   | 5-7/8    | 26-1/4   | 26-1/4   | 32-1/8 | 20-1/16  | 8-5/16  | 26.25                 |
| <a href="#">2875-820</a> | 20X10 | 1-3/8   | 23-3/4   | 21-3/4   | 7-7/8    | 28-3/4   | 28-1/4   | 36-1/8 | 20-13/16 | 10-7/16 | 29.31                 |
| <a href="#">2875-822</a> | 20X12 | 3-3/8   | 24-13/16 | 23-3/4   | 9-7/8    | 29-13/16 | 30-1/4   | 40-1/8 | 20-13/16 | 12-1/2  | 35.46                 |
| <a href="#">2875-825</a> | 20X15 | 8-7/16  | 25-5/8   | 24-13/16 | 14-15/16 | 30-5/8   | 31-5/16  | 46-1/4 | 20-13/16 | 15-5/8  | 42.29                 |
| <a href="#">2875-828</a> | 20X18 | 8-3/4   | 28-1/2   | 29-1/8   | 15-1/4   | 34-1/2   | 35-5/8   | 50-7/8 | 20-13/16 | 18-3/4  | 50.33                 |

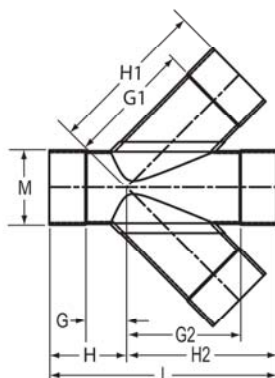


## Fabricated Fittings Technical

### PVC Low Head PIP Fabricated Fittings, Risers & Accessories

#### Low Head PIP Double Wye

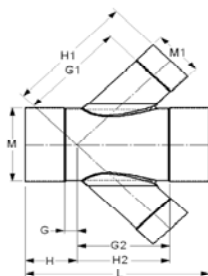
Socket x Socket x Socket x Socket



| Part Number | Size | G       | G1       | G2       | H        | H1       | H2       | L      | M        | Approx. Wt. (Lbs.) |
|-------------|------|---------|----------|----------|----------|----------|----------|--------|----------|--------------------|
| 2876-060    | 6    | 3-11/16 | 10-15/16 | 9-13/16  | 6-11/16  | 13-15/16 | 12-13/16 | 19-1/2 | 6-1/4    | 3.19               |
| 2876-080    | 8    | 4-5/8   | 13-13/16 | 12-3/4   | 8-5/8    | 17-13/16 | 16-3/4   | 25-3/8 | 8-5/16   | 5.74               |
| 2876-100    | 10   | 5-11/16 | 16-3/4   | 15-15/16 | 10-11/16 | 21-3/4   | 20-15/16 | 31-5/8 | 10-7/16  | 11.51              |
| 2876-120    | 12   | 6-11/16 | 19-1/8   | 18-15/16 | 11-11/16 | 24-1/8   | 23-15/16 | 35-5/8 | 12-9/16  | 18.57              |
| 2876-150    | 15   | 8-7/16  | 23-9/16  | 23-11/16 | 13-7/16  | 28-9/16  | 28-11/16 | 42-1/8 | 15-5/8   | 34.00              |
| 2876-183    | 18   | 7-3/16  | 25-9/16  | 25-9/16  | 13-3/16  | 31-9/16  | 31-9/16  | 44-3/4 | 18-3/4   | 67.94              |
| 2876-200    | 20   | 9-5/8   | 30       | 30       | 16-1/8   | 36-1/2   | 36-1/2   | 52-5/8 | 20-13/16 | 98.74              |

#### Double Wye- Reducing

Socket X Socket X Socket X Socket



| Part Number | Size  | G       | G1       | G2       | H       | H1       | H2       | L      | M        | M1      | Approx. Wt. (Lbs.) |
|-------------|-------|---------|----------|----------|---------|----------|----------|--------|----------|---------|--------------------|
| 2876-585    | 8X6   | 2-3/4   | 12-5/16  | 10-7/8   | 6-3/4   | 15-5/16  | 14-7/8   | 21-5/8 | 8-5/16   | 6-1/4   | 4.44               |
| 2876-626    | 10X6  | 1-9/16  | 13-3/4   | 11-13/16 | 6-9/16  | 16-3/4   | 16-13/16 | 23-3/8 | 10-7/16  | 6-1/4   | 5.89               |
| 2876-628    | 10X8  | 3-11/16 | 15-3/16  | 13-15/16 | 8-11/16 | 19-3/16  | 18-15/16 | 27-5/8 | 10-7/16  | 8-5/16  | 8.17               |
| 2876-666    | 12X6  | 11/16   | 15-3/16  | 12-15/16 | 5-11/16 | 18-3/16  | 17-15/16 | 23-3/8 | 12-1/2   | 6-1/4   | 8.00               |
| 2876-668    | 12X8  | 2-11/16 | 16-5/8   | 14-15/16 | 7-11/16 | 20-5/8   | 19-15/16 | 27-5/8 | 12-1/2   | 8-5/16  | 10.79              |
| 2876-670    | 12X10 | 4-11/16 | 18-1/8   | 16-15/16 | 9-11/16 | 23-1/8   | 21-15/16 | 31-5/8 | 12-1/2   | 10-7/16 | 15.13              |
| 2876-726    | 15X6  | 11/16   | 17-1/4   | 14-9/16  | 4-5/16  | 20-1/4   | 19-9/16  | 23-7/8 | 15-5/8   |         | 12.08              |
| 2876-728    | 15X8  | 1-7/16  | 18-3/4   | 16-11/16 | 6-7/16  | 22-3/4   | 23-11/16 | 28-1/8 | 15-5/8   | 8-5/16  | 14.27              |
| 2876-730    | 15X10 | 3-7/16  | 20-1/4   | 18-11/16 | 8-7/16  | 25-1/4   | 23-11/16 | 32-1/8 | 15-5/8   | 10-7/16 | 19.57              |
| 2876-732    | 15X12 | 5-7/16  | 21-1/4   | 20-11/16 | 10-7/16 | 26-1/4   | 25-15/16 | 36-1/8 | 15-5/8   | 12-1/2  | 24.46              |
| 2876-786    | 18X6  | 2-1/8   | 19-3/8   | 16-1/4   | 3-7/8   | 22-3/8   | 22-1/4   | 26-1/8 | 18-3/4   | 6-1/4   | 18.28              |
| 2876-788    | 18X8  | 1/8     | 20-7/8   | 18-1/4   | 5-7/8   | 24-7/8   | 24-1/4   | 30-1/8 | 18-3/4   | 8-5/16  | 21.69              |
| 2876-790    | 18X10 | 1-7/8   | 22-3/8   | 20-1/4   | 7-7/8   | 27-3/8   | 26-1/4   | 34-1/8 | 18-3/4   | 10-7/16 | 27.36              |
| 2876-792    | 18X12 | 4       | 23-3/8   | 22-3/8   | 10      | 28-3/8   | 28-3/8   | 38-3/8 | 18-3/4   | 12-1/2  | 33.05              |
| 2876-795    | 18X15 | 6-7/8   | 25-15/16 | 25-1/4   | 12-7/8  | 30-11/16 | 31-1/4   | 44-1/8 | 18-3/4   | 15-5/8  | 43.77              |
| 2876-816    | 20X6  | 2-5/8   | 20-13/16 | 17-3/4   | 3-7/8   | 23-13/16 | 24-1/4   | 28-1/8 | 20-13/16 | 6-1/4   | 24.00              |

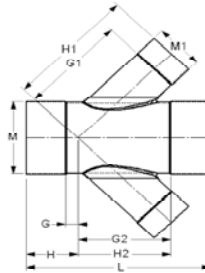
**Fabricated Fittings Technical**  
**PVC Low Head PIP Fabricated Fittings, Risers & Accessories**



## Double Wye- Reducing

(Continued)

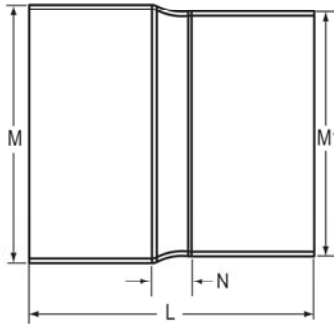
Socket X Socket X Socket X Socket



| Part Number              | Size  | G      | G1       | G2       | H        | H1       | H2     | L      | M        | M1      | Approx. Wt. (Lbs.) |
|--------------------------|-------|--------|----------|----------|----------|----------|--------|--------|----------|---------|--------------------|
| <a href="#">2876-818</a> | 20X8  | 5/8    | 22-1/4   | 19-3/4   | 5-7/8    | 26-1/4   | 26-1/4 | 32-1/8 | 20-13/16 | 8-5/16  | 4.70               |
| <a href="#">2876-820</a> | 20X10 | 1-3/8  | 23-3/4   | 21-3/4   | 7-7/8    | 28-3/4   | 28-1/4 | 36-1/8 | 20-13/16 | 10-7/16 | 31.85              |
| <a href="#">2876-822</a> | 20X12 | 3-3/8  | 24-13/16 | 23-3/4   | 9-7/8    | 29-13/16 | 30-1/4 | 40-1/8 | 20-13/16 | 12-1/2  | 40.61              |
| <a href="#">2876-825</a> | 20X15 | 8-7/16 | 25-5/8   | 24-13/16 | 14-15/16 | 30-5/8   | 31-5/8 | 46-1/4 | 20-13/16 | 15-5/8  | 50.55              |
| <a href="#">2876-828</a> | 20X18 | 8-3/4  | 28-1/2   | 29-1/8   | 15-1/4   | 34-1/2   | 35-5/8 | 50-7/8 | 20-13/16 | 18-3/4  | 82.04              |

## Low Head IPS x PIP Adapter

Socket x Socket



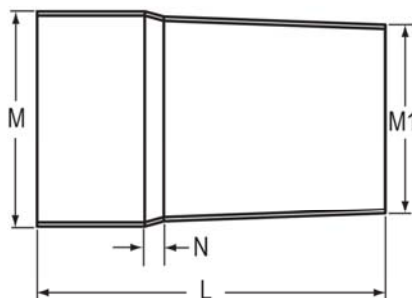
| Part Number                | Size | L        | M       | M1      | N       | Approx. Wt. (Lbs.) |
|----------------------------|------|----------|---------|---------|---------|--------------------|
| <a href="#">280-101649</a> | 6    | 7-7/8    | 6-7/8   | 6-3/8   | 1-3/8   | .99                |
| <a href="#">280-101650</a> | 8    | 9-7/8    | 8-15/16 | 8-1/2   | 1-3/8   | 2.26               |
| <a href="#">280-101651</a> | 10   | 12-3/16  | 11      | 10-7/16 | 1-11/16 | 2.42               |
| <a href="#">280-101652</a> | 12   | 11-13/16 | 13-1/4  | 12-3/4  | 1-13/16 | 6.05               |



**Fabricated Fittings Technical**  
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## Low Head PIP Concrete Adapter

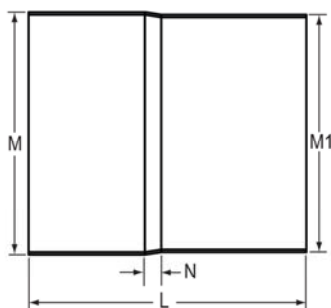
Socket x Concrete



| Part Number                | Size  | L        | M        | M1      | N     | Approx. Wt. (Lbs.) |
|----------------------------|-------|----------|----------|---------|-------|--------------------|
| <a href="#">280-101761</a> | 6X6   | 8-1/2    | 6-3/8    | 5-9/16  | 1/2   | 1.14               |
| <a href="#">280-101762</a> | 8X8   | 13-3/4   | 8-1/2    | 7-7/16  | 3/4   | 3.12               |
| <a href="#">280-101763</a> | 10X10 | 16-13/16 | 10-5/8   | 9-1/2   | 15/16 | 4.82               |
| <a href="#">280-101764</a> | 12X12 | 18       | 12-3/4   | 11-1/2  | 5/8   | 7.44               |
| <a href="#">280-101765</a> | 12X14 | 16       | 12-3/4   | 13-9/16 | 3-1/8 | 8.98               |
| <a href="#">280-101766</a> | 15X14 | 14-3/8   | 15-15/16 | 12-5/8  | 1-1/2 | 10.55              |
| <a href="#">280-101767</a> | 15X15 | 14-1/4   | 15-5/8   | 14-1/4  | 1-1/8 | 6.07               |
| <a href="#">280-101768</a> | 15X16 | 17       | 15-7/8   | 15-1/2  | 3-3/4 | 13.52              |
| <a href="#">280-101769</a> | 18X18 | 18-3/4   | 18-3/4   | 17-3/16 | 1/2   | 11.85              |
| <a href="#">280-101770</a> | 20X20 | 17-1/2   | 20-13/16 | 19-1/2  | 1-1/2 | 14.31              |

## Low Head PIP Linegate Valve Adapter

Socket x Linegate



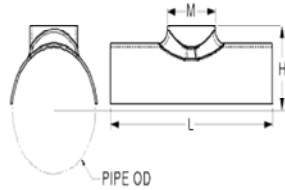
| Part Number                | Size | L        | M       | M1      | N     | Approx. Wt. (Lbs.) |
|----------------------------|------|----------|---------|---------|-------|--------------------|
| <a href="#">280-101777</a> | 6    | 7-5/8    | 6-1/4   | 6-1/8   | 5/8   | .71                |
| <a href="#">280-101778</a> | 8    | 9-9/16   | 8-5/16  | 8-3/16  | 9/16  | 1.10               |
| <a href="#">280-101779</a> | 10   | 10-9/16  | 10-7/16 | 10-3/16 | 9/16  | 2.09               |
| <a href="#">280-101780</a> | 12   | 10-9/16  | 12-1/2  | 12-1/4  | 9/16  | 2.75               |
| <a href="#">280-101781</a> | 15   | 11-1/16  | 15-5/8  | 15-5/16 | 13/16 | 5.06               |
| <a href="#">2845-180</a>   | 18   | 11-13/16 | 18-3/4  | 18-3/8  | 13/16 | 7.31               |
| <a href="#">2845-180P</a>  | 18   | 15-1/4   | 19-1/8  | 18-3/8  | 1-1/4 | 9.35               |

**Fabricated Fittings Technical**  
**PVC Low Head PIP Fabricated Fittings, Risers & Accessories**



## Saddle

Socket



| Part Number                | Size  | H        | L      | M       | Approx. Wt.<br>(Lbs.) |
|----------------------------|-------|----------|--------|---------|-----------------------|
| <a href="#">280-101788</a> | 4X2   | 3        | 8-3/4  | 2-5/8   | .40                   |
| <a href="#">280-101789</a> | 6X2   | 3-7/8    | 8-3/4  | 2-9/16  | .52                   |
| <a href="#">280-101790</a> | 8X2   | 4-15/16  | 8-1/2  | 2-5/8   | .52                   |
| <a href="#">280-101791</a> | 10X2  | 5-3/4    | 8-1/2  | 2-5/8   | .55                   |
| <a href="#">280-101792</a> | 12X2  | 6-15/16  | 8-3/4  | 2-5/8   | .52                   |
| <a href="#">280-101793</a> | 15X2  | 8-7/16   | 8-3/4  | 2-5/8   | .52                   |
| <a href="#">280-101794</a> | 18X2  | 10-1/8   | 9      | 2-5/8   | .55                   |
| <a href="#">280-101795</a> | 20X2  | 11-1/8   | 9      | 2-5/8   | .57                   |
| <a href="#">280-101796</a> | 4X3   | 3        | 8      | 3-3/4   | .44                   |
| <a href="#">280-101797</a> | 6X3   | 4-3/16   | 9      | 3-3/4   | .57                   |
| <a href="#">280-101798</a> | 8X3   | 5-3/16   | 8-1/2  | 3-3/4   | .50                   |
| <a href="#">280-101799</a> | 10X3  | 6-1/4    | 8-3/4  | 3-3/4   | .52                   |
| <a href="#">280-101800</a> | 12X3  | 7-3/8    | 8-1/2  | 3-3/4   | .50                   |
| <a href="#">280-101801</a> | 15X3  | 9        | 8-3/4  | 3-3/4   | .48                   |
| <a href="#">280-101802</a> | 18X3  | 10-9/16  | 9      | 3-3/4   | .81                   |
| <a href="#">280-101803</a> | 20X3  | 11-1/2   | 9      | 3-13/16 | .72                   |
| <a href="#">280-101804</a> | 6X4   | 4-3/16   | 12     | 4-3/4   | .77                   |
| <a href="#">280-101805</a> | 8X4   | 5-1/16   | 8-3/4  | 4-3/4   | .62                   |
| <a href="#">280-101806</a> | 10X4  | 6-1/4    | 8-1/2  | 4-3/4   | .59                   |
| <a href="#">280-101807</a> | 12X4  | 7-1/4    | 8-1/2  | 4-3/4   | .60                   |
| <a href="#">280-101808</a> | 15X4  | 8-11/16  | 8-3/4  | 4-3/4   | .66                   |
| <a href="#">280-101809</a> | 18X4  | 10-3/16  | 9      | 4-3/4   | .66                   |
| <a href="#">280-101810</a> | 20X4  | 11-1/2   | 10-3/4 | 4-13/16 | 1.21                  |
| <a href="#">280-101811</a> | 8X6   | 5-3/8    | 10-3/4 | 6-3/8   | .83                   |
| <a href="#">280-101812</a> | 10X6  | 6-1/2    | 10-1/2 | 6-3/8   | .94                   |
| <a href="#">280-101813</a> | 12X6  | 7-1/2    | 10-1/2 | 6-3/8   | .90                   |
| <a href="#">280-101814</a> | 15X6  | 9-1/16   | 10-3/4 | 6-3/8   | 1.03                  |
| <a href="#">280-101815</a> | 18X6  | 10-9/16  | 11     | 6-3/8   | 1.07                  |
| <a href="#">280-101816</a> | 20X6  | 11-9/16  | 10-3/4 | 6-3/8   | 1.01                  |
| <a href="#">280-101817</a> | 10X8  | 6-1/2    | 14     | 8-7/16  | 1.36                  |
| <a href="#">280-101818</a> | 12X8  | 7-5/8    | 13-1/2 | 8-7/16  | 1.48                  |
| <a href="#">280-101819</a> | 15X8  | 9-3/16   | 13-3/4 | 8-7/16  | 1.57                  |
| <a href="#">280-101820</a> | 18X8  | 10-11/16 | 13-1/2 | 8-7/16  | 1.51                  |
| <a href="#">280-101821</a> | 20X8  | 11-7/8   | 13-3/4 | 8-7/16  | 1.54                  |
| <a href="#">280-101822</a> | 12X10 | 8        | 17     | 10-7/16 | 2.09                  |
| <a href="#">280-101823</a> | 15X10 | 9-9/16   | 16-1/4 | 10-7/16 | 2.07                  |
| <a href="#">280-101824</a> | 18X10 | 11-1/16  | 16-1/2 | 10-7/16 | 1.98                  |
| <a href="#">280-101825</a> | 20X10 | 12-13/16 | 17     | 10-7/16 | 1.87                  |
| <a href="#">280-101826</a> | 15X12 | 9-7/16   | 19     | 12-9/16 | 3.92                  |

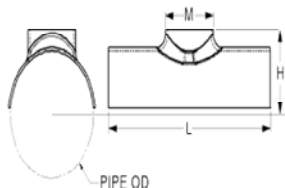


**Fabricated Fittings Technical**  
**PVC Low Head PIP Fabricated Fittings, Risers & Accessories**

## Saddle

(Continued)

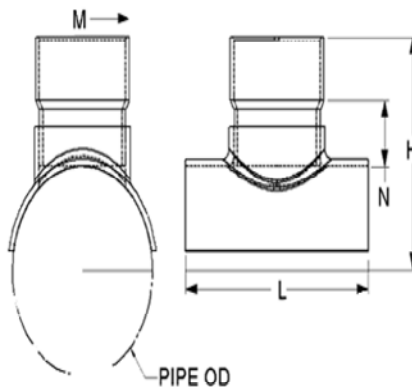
Socket



| Part Number | Size  | H       | L      | M        | Approx. Wt. (Lbs.) |
|-------------|-------|---------|--------|----------|--------------------|
| 280-101827  | 18X12 | 11      | 19     | 12-5/8   | 3.59               |
| 280-101828  | 20X12 | 12-1/4  | 19-1/4 | 12-1/2   | 3.74               |
| 280-101829  | 18X15 | 11-1/4  | 25     | 15-11/16 | 6.56               |
| 280-101830  | 20X15 | 12-3/8  | 24-1/2 | 15-11/16 | 6.27               |
| 280-101831  | 20X18 | 12-3/16 | 29-1/2 | 18-13/16 | 11.66              |

## Stub Saddle

Socket



| Part Number | Size | H       | L     | M       | N      | Approx. Wt. (Lbs.) |
|-------------|------|---------|-------|---------|--------|--------------------|
| 280-101883  | 4X2  | 6-1/4   | 8-3/4 | 2-11/16 | 2-1/4  | .67                |
| 280-101884  | 6X2  | 7-1/16  | 8-3/4 | 2-11/16 | 2-1/4  | .79                |
| 280-101885  | 8X2  | 8-1/16  | 8-1/2 | 2-11/16 | 2-1/4  | .79                |
| 280-101886  | 10X2 | 9-1/8   | 8-1/2 | 2-11/16 | 2-1/4  | .81                |
| 280-101887  | 12X2 | 10-1/8  | 8-3/4 | 2-11/16 | 2-1/4  | .88                |
| 280-101888  | 15X2 | 11-5/8  | 8-3/4 | 2-11/16 | 2-1/4  | .79                |
| 280-101889  | 18X2 | 13-3/16 | 9     | 2-11/16 | 2-1/4  | .88                |
| 280-101890  | 20X2 | 14-3/16 | 9     | 2-11/16 | 2-1/4  | .83                |
| 280-101891  | 4X3  | 7-1/2   | 8     | 3-15/16 | 3      | 1.10               |
| 280-101892  | 6X3  | 8-5/16  | 9     | 3-15/16 | 3      | 1.21               |
| 280-101893  | 8X3  | 9-5/16  | 8-1/2 | 3-15/16 | 3      | 1.18               |
| 280-101894  | 10X3 | 10-3/8  | 8-3/4 | 3-15/16 | 3      | 1.18               |
| 280-101895  | 12X3 | 11-3/8  | 8-1/2 | 3-15/16 | 3      | 1.16               |
| 280-101896  | 15X3 | 12-7/8  | 8-3/4 | 3-15/16 | 3      | 1.18               |
| 280-101897  | 18X3 | 14-7/16 | 9     | 3-15/16 | 3      | 1.21               |
| 280-101898  | 20X3 | 15-7/16 | 9     | 3-15/16 | 3      | 1.38               |
| 280-101899  | 6X4  | 8-3/8   | 12    | 4-3/4   | 3-1/16 | 1.32               |
| 280-101900  | 8X4  | 9-3/8   | 8-3/4 | 4-3/4   | 3-1/16 | 1.07               |

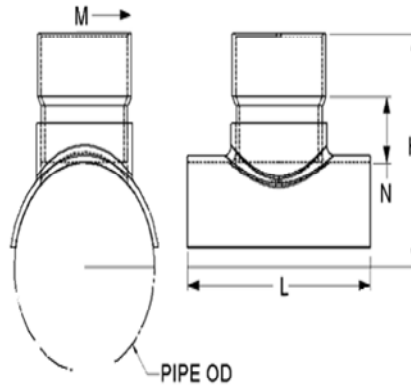
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**PVC Low Head PIP Fabricated Fittings, Risers & Accessories**



## Stub Saddle

(Continued)

Socket



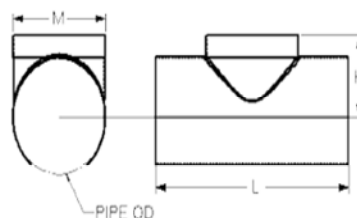
| Part Number                | Size  | H        | L      | M       | N       | Approx. Wt.<br>(Lbs.) |
|----------------------------|-------|----------|--------|---------|---------|-----------------------|
| <a href="#">280-101901</a> | 10X4  | 10-7/16  | 8-1/2  | 4-3/4   | 3-1/16  | 1.10                  |
| <a href="#">280-101902</a> | 12X4  | 11-7/16  | 8-1/2  | 4-3/4   | 3-1/16  | 1.05                  |
| <a href="#">280-101903</a> | 15X4  | 12-15/16 | 8-3/4  | 4-3/4   | 3-1/16  | 1.07                  |
| <a href="#">280-101904</a> | 18X4  | 14-1/2   | 9      | 4-3/4   | 3-1/16  | 1.21                  |
| <a href="#">280-101905</a> | 20X4  | 15-1/2   | 10-3/4 | 4-3/4   | 3-1/16  | 1.54                  |
| <a href="#">280-101906</a> | 8X6   | 9-15/16  | 10-3/4 | 6-1/4   | 2-7/8   | 1.38                  |
| <a href="#">280-101907</a> | 10X6  | 11       | 10-1/2 | 6-1/4   | 2-7/8   | 1.54                  |
| <a href="#">280-101908</a> | 12X6  | 12       | 10-1/2 | 6-1/4   | 2-7/8   | 1.54                  |
| <a href="#">280-101909</a> | 15X6  | 13-1/2   | 10-3/4 | 6-1/4   | 2-7/8   | 1.58                  |
| <a href="#">280-101910</a> | 18X6  | 15-1/16  | 11     | 6-1/4   | 2-7/8   | 1.54                  |
| <a href="#">280-101911</a> | 20X6  | 16-1/16  | 10-3/4 | 6-1/4   | 2-7/8   | 1.54                  |
| <a href="#">280-101912</a> | 10X8  | 11-15/16 | 14     | 8-5/16  | 2-13/16 | 2.42                  |
| <a href="#">280-101913</a> | 12X8  | 12-15/16 | 13-1/2 | 8-5/16  | 2-13/16 | 2.31                  |
| <a href="#">280-101914</a> | 15X8  | 14-7/16  | 13-3/4 | 8-5/16  | 2-13/16 | 2.51                  |
| <a href="#">280-101915</a> | 18X8  | 16       | 13-1/2 | 8-5/16  | 2-13/16 | 2.37                  |
| <a href="#">280-101916</a> | 20X8  | 17       | 13-3/4 | 8-5/16  | 2-13/16 | 2.42                  |
| <a href="#">280-101917</a> | 12X10 | 14-15/16 | 17     | 10-7/16 | 3-13/16 | 3.74                  |
| <a href="#">280-101918</a> | 15X10 | 16-7/16  | 16-1/4 | 10-7/16 | 3-13/16 | 3.81                  |
| <a href="#">280-101919</a> | 18X10 | 18       | 16-1/2 | 10-7/16 | 3-13/16 | 3.83                  |
| <a href="#">280-101920</a> | 20X10 | 19       | 17     | 10-7/16 | 3-13/16 | 4.00                  |
| <a href="#">280-101921</a> | 15X12 | 16-7/16  | 19     | 12-7/16 | 3-13/16 | 6.01                  |
| <a href="#">280-101922</a> | 18X12 | 18       | 19     | 12-7/16 | 3-13/16 | 5.99                  |
| <a href="#">280-101923</a> | 20X12 | 19       | 19-1/4 | 12-7/16 | 3-13/16 | 6.43                  |
| <a href="#">280-101924</a> | 18X15 | 19       | 25     | 15-5/8  | 4-13/16 | 10.50                 |
| <a href="#">280-101925</a> | 20X15 | 20       | 24-1/2 | 15-5/8  | 4-13/16 | 10.68                 |
| <a href="#">280-101926</a> | 20X18 | 21       | 29-1/2 | 18-3/4  | 4-13/16 | 15.28                 |



**Fabricated Fittings Technical**  
**PVC Low Head PIP Fabricated Fittings, Risers & Accessories**

## Low Head PIP Same Size Saddle

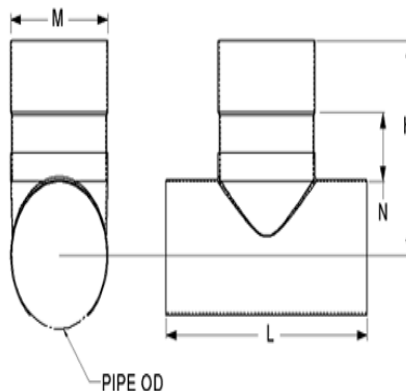
Socket



| Part Number                | Size  | H        | L  | M        | Approx. Wt. (Lbs.) |
|----------------------------|-------|----------|----|----------|--------------------|
| <a href="#">280-101937</a> | 6X6   | 4-1/4    | 13 | 6-1/4    | .81                |
| <a href="#">280-101938</a> | 8X8   | 5-9/16   | 16 | 8-5/16   | 1.51               |
| <a href="#">280-101939</a> | 10X10 | 6-15/16  | 19 | 10-7/16  | 2.75               |
| <a href="#">280-101940</a> | 12X12 | 8-1/8    | 22 | 12-1/2   | 4.51               |
| <a href="#">280-101941</a> | 15X15 | 9-11/16  | 27 | 15-5/8   | 8.30               |
| <a href="#">280-101942</a> | 18X18 | 11-3/8   | 32 | 18-3/4   | 13.81              |
| <a href="#">280-101943</a> | 20X20 | 12-11/16 | 38 | 20-13/16 | 20.94              |

## Low Head PIP Same Size Stub Saddle

Socket



| Part Number                | Size  | H        | L  | M        | N       | Approx. Wt. (Lbs.) |
|----------------------------|-------|----------|----|----------|---------|--------------------|
| <a href="#">280-101949</a> | 6X6   | 8-15/16  | 13 | 6-1/4    | 2-7/8   | 1.40               |
| <a href="#">280-101950</a> | 8X8   | 10-7/8   | 16 | 8-5/16   | 2-13/16 | 2.37               |
| <a href="#">280-101951</a> | 10X10 | 13-15/16 | 19 | 10-7/16  | 3-13/16 | 4.47               |
| <a href="#">280-101952</a> | 12X12 | 14-15/16 | 22 | 12-7/16  | 3-13/16 | 7.04               |
| <a href="#">280-101953</a> | 15X15 | 17-7/16  | 27 | 15-5/8   | 4-13/16 | 12.46              |
| <a href="#">280-101954</a> | 18X18 | 20       | 32 | 18-3/4   | 4-13/16 | 20.85              |
| <a href="#">280-101955</a> | 20X20 | 21-15/16 | 38 | 20-13/16 | 11-3/4  | 30.27              |