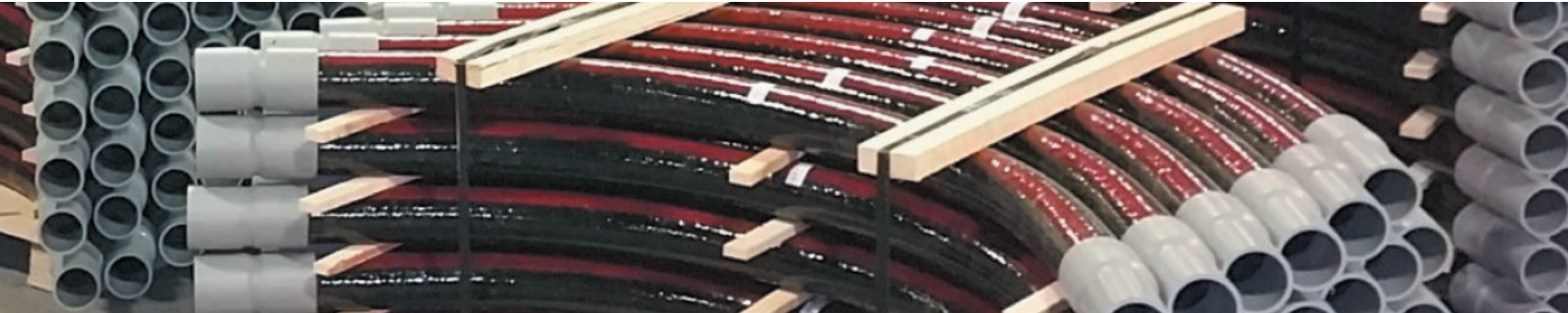


Fiberglass FRE® Elbows



Following the Acquisition of FRE Composites®, We Are Proud to Offer Fiberglass Elbows Through Heritage Plastics™

No Burn-Through/Low Coefficient of Friction
Epoxy fiberglass elbows are low friction and eliminate burn-through on the bend. With our unique glass to resin ratio, our fiberglass has the lowest coefficient of friction of any material currently available on the market. This means that electrical cables are easier to pull through, resulting in labor saving, quicker installation and a reduced number of costly manholes.

Lightweight
Lighter than industry comparable solutions/materials.

Corrosion Resistant
Our 100% non-metallic epoxy fiberglass is not impacted by the effects of water, salt water or most other chemicals.

How To Select An Elbow Part #

XX - XX XX R XX

10 or 30 Above or Below Ground
 Trade Size
 Elbow Angle
 Elbow Radius

| Iron Pipe Size (IPS) | Use | Trade Size (in) | Use | Elbow Angles | Use | Elbow Radius (in) | Use |
|----------------------|-----|-----------------|-----|--------------|-----|-------------------|-----|
| SW Above Ground | 10 | ¾ | 75 | 11¼ | 35 | *12 | 12 |
| | | 1 | 10 | 22½ | 34 | **24 | 24 |
| | | 1¼ | 12 | | | | |
| | | 1½ | 15 | 30 | 33 | 36 | 36 |
| SW Below Ground | 30 | 2 | 20 | 45 | 32 | 48 | 48 |
| | | 2½ | 25 | | | | |
| | | 3 | 30 | | | | |
| HW Above Ground | 12 | ****3½ | 35 | 60 | 31 | 60 | 60 |
| | | 4 | 40 | 90 | 30 | 72 | 72 |
| | | 5 | 50 | 90 | 30 | ***72 | 72 |
| | | 6 | 60 | | | | |
| | | 8 | 80 | | | | |

Custom degree, radii, and configurations are available. Please call your local representative.

*Not applicable for trade sizes 3" and above
 **Not applicable for trade sizes 5" and above
 *** 72" is the tightest radius available
 ****20 or 40 series ID

Example

4" IPS (Iron Pipe Size)
 Below Ground 90° X 36"
 Radius With 2 PVC Deep Swedge Couplings

30 - 40 30 R 36 - PVC

IPS 4" 90° 36" PVC
Below Trade 90° Radius On Both
Ground Size Ends

RS = Red Stripe
 S=Stub Out

| End Type | Use |
|--|-------|
| Deep socket PVC coupling on each end | PVC |
| 1 PVC end, 1 factory plain end | 1PVC |
| 1 PVC end and female threaded adapter on the other end | PF |
| 1 PVC Cplg, 1 Stub Out | PS |
| 1 PVC Cplg, 1 stub out Red Stripe | PSRS |
| 2 PVC Cplgs Red Stripe | PVCRS |

