

Fiberglass FRE® Elbows



Why Use Fiberglass FRE® Elbows?

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

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

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

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	1PVC1FTHR

*Not applicable for trade sizes 3" and above
 **Not applicable for trade sizes 5" and above
 *** 72" is the tightest radius available

