

# 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

Iron Pipe Size (IPS)	Use	Trade Size (in)	Use	Elbow Angles	Use	Elbow Radius (in)	Use
SW Epoxy System	10	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	60	31	60	60
HW Epoxy System	12	-	35	90	30	72	72
		4	40	90	30	***72	72
		5	50				
		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 highest radius available for 8" elbows

**Example**  
 4" IPS (Iron Pipe Size)  
 Epoxy System 90° X 36"  
 Radius With 2 PVC Deep Swedge Couplings

**10 - 40 30 R 36 - PVC**

10 IPS Epoxy System | 4" Trade Size | 90° | 36" Radius | PVC On Both 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	1PVC1FTHR
1 PVC Cplg, 1 Stub Out	PS
1 PVC Cplg, 1 stub out Red Stripe	PSRS
2 PVC Cplgs Red Stripe	RSPVC

