

# RTRC ELBOW FACTS TO KNOW

It is important for you all to remember that not it is no all combinations of Angle/Radii that can be UL Listed per Reinforced Thermosetting Resin Conduit (RTRC) standards, albeit UL2420, UL2515 and UL 2515A.

**FRE Composites** has been manufacturing elbows compliant to the lowest (11-1/4°) to the highest (90°) degrees allowed by Underwriters Laboratories (UL).

Trade Size	Minimum Radius of Elbow to center line of conduit (Inches)
3/4	4 <sup>1/2</sup>
1	5 <sup>3/4</sup>
1 <sup>1/4</sup>	7 <sup>1/4</sup>
1 <sup>1/2</sup>	8 <sup>1/4</sup>
2	9 <sup>1/2</sup>
2 <sup>1/2</sup>	10 <sup>1/2</sup>
3	13
3 <sup>1/2</sup>	15
4	16
4 <sup>1/2</sup>	24
5	24
6	30

**In summary, to comply with RTRC UL Listing requirements, every elbow must comply with both conditions below:**

- 1. Elbow Angles between 11-1/4 and 90°**
- 2. Minimum elbow Radii (see chart above)**

Any other angle/radii combination cannot be UL Listed since it would not comply to defined angles and radii as described in all RTRC standards. It does not matter if someone leads you to believe it is UL Listed even if marked as such!