

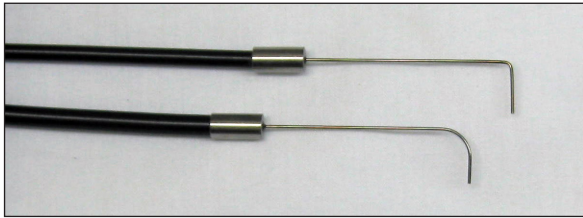
# SENSOR TIP OPTIONS

## Custom Tips To Customer Specifications

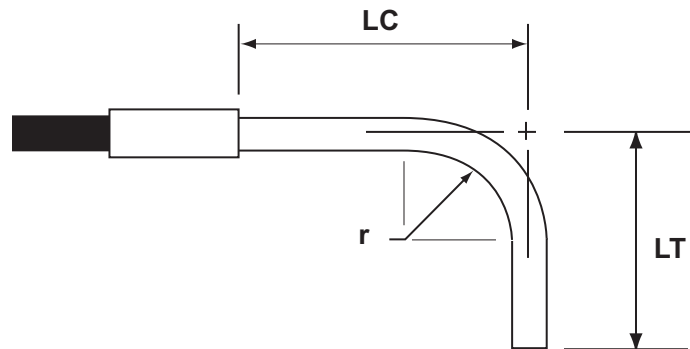
**For 90° tips, specify Options T4 thru T6 to designate custom requirements.**

- For the small probes, Option T4 turns 90° in the shortest space
- For large probes, Options T5 & T6 turn 90° in the shortest space

### ■ Option T4 - 90° Tubing



Use **T4** to designate a right angle tip with SS tubing bent into a 90° turn. Specify leg lengths LC and LT and (if desired) the bend radius  $r$ .



### MINIMUM BEND RADIUS

The safe minimum radius for a given diameter tubing depends upon the thickness of the tubing wall, the quantity of fiberoptics filling the tube space, and the method of bending. Generally, it is good practice to design a part with the minimum inside bend radius of 4 times the probe diameter. Exceptions to this rule are probes with 3/16" diameter tube or larger which require 5.5 times the tube diameter.

In special instances, it may be possible to make probes with tighter bend radii than stated in the above general guideline. Please contact the factory in these cases.

*A bend radius that is too small will cause the tubing to distort and break fibers as shown in this picture.*

