

FREQUENTLY ASKED QUESTIONS...



In addition to the frequently asked questions listed on our website, below is some more helpful information on things to take into consideration when designing your custom parts.

What are some considerations I should be taking into account for a more cost effective part?

The cost in manufacturing a tube bend is directly affected by the amount of labor and tooling needed to produce your parts. In order to have the most cost efficient bends, the following are some key factors to consider.

- 1.) Center line radii tighter than 1 1/2 times the tube diameter will increase the time in labor.
- 2.) With Sharpe's large inventory of tool bend dies, it is likely we already have a die to meet your bending needs. In cases where there is flexibility in the center line radius, choosing an existing die will save on tooling costs and lead time.
- 3.) Typical bending processes with parts that have more than one bend, require a straight length between the bends. Standard tooling can accommodate parts that allow a distance between bends of at least 3 times the tube diameter. Parts that have a distance less than 3 times the diameter are possible to produce, but may require special tooling.
- 4.) When specifying tolerances, it will be more cost effective to keep them only as tight as necessary. As tolerances tighten the job becomes more labor intensive.
- 5.) Many customers like to use a thinner wall for their projects to reduce material costs. However, thinner wall tubing may require more labor to bend. Therefore it may or may not be beneficial to use a thinner wall material. One of our Sharpe representatives can help you in determining the most cost efficient wall thickness for your particular job.

