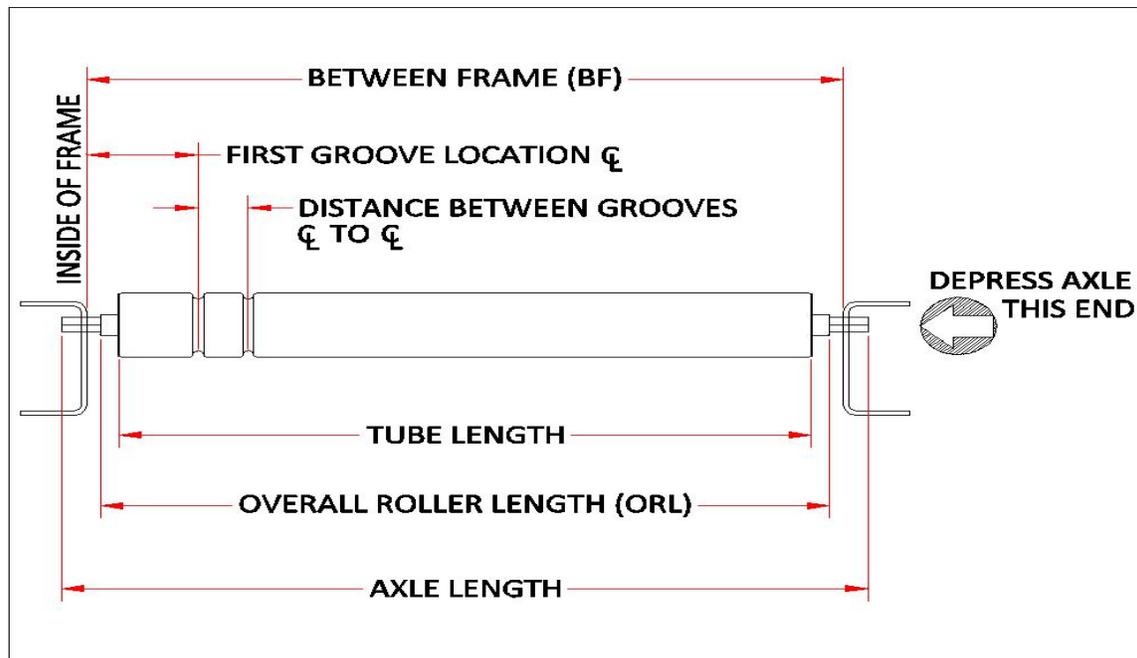


## DETERMINING PROPER GROOVED ROLLER LENGTH



Please refer to the above cross section

For best roller size results, please provide the roller diameter, axle size, and "Between Frame" (BF) of your conveyor frame or mounting space. Conveyor manufacturers use different tube lengths, bearing extensions, and axle lengths determining their roller dimensions. Most of them use the BF dimension as the size basis. When you provide the BF dimension we can determine the remaining dimensions.

If the BF dimension is unavailable, the next best dimension is the OAC (overall cone) or ORL (overall roller length) dimension.

The tube cut length or axle length is the least reliable dimension. Tube cut lengths vary depending upon bearings, manufacturing tolerances, Roller OD, and Engineering standards for installation of rollers in a frame particular to any manufacturer. The tube length from one manufacturer to the next could vary by a  $\frac{1}{4}$ " or more for the same BF. Axle lengths are even less reliable on spring loaded rollers.

When determining groove locations, LEWCO uses the inside of the frame as a starting point. The first groove location is determined from inside of frame, to the centerline of the first groove. Additional grooves are measured centerline to centerline

Providing a LEWCO serial number is the most accurate way for us to quote replacement grooved rollers for our conveyors, if no serial number is available, the between frame, and groove location are critical to quoting an accurate roller.

Please include the BF dimension when ordering custom length rollers to avoid problems at your installation site. All rollers are made to order and are not returnable for credit. However approval drawings may be supplied to ensure that we are in agreement on the construction details.

LEWCO has the ability to supply custom tube sizes, bearing options, and axle sizes. Our highly knowledgeable staff is available to assist in determining your roller needs with you and then recommending a cost effective solution.