

How to Measure a Roller

When ordering a roller for the first time it is very important to get the right measurements. Properly measuring a roller is not difficult and with only a few measurements you can insure you get a roller that fits.

When measuring the BF of a roller it is best to take the measurements with the roller still in the conveyor if possible. See below.

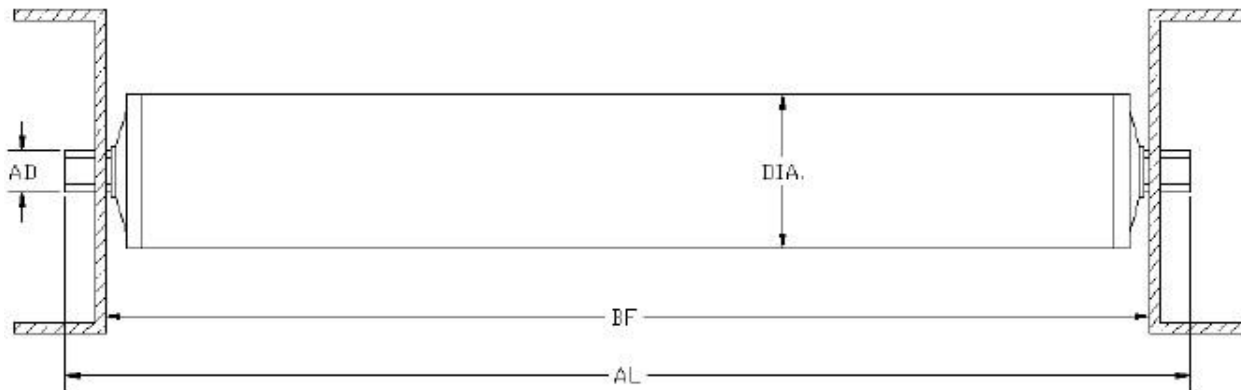
Here are the dimensions we need:

BF – Between frame as measured from inside the frame to inside the frame.

AL – Total axle length as measured from one end of the axle to the other.

DIA – Roller diameter as measured around the outside diameter of the tube.

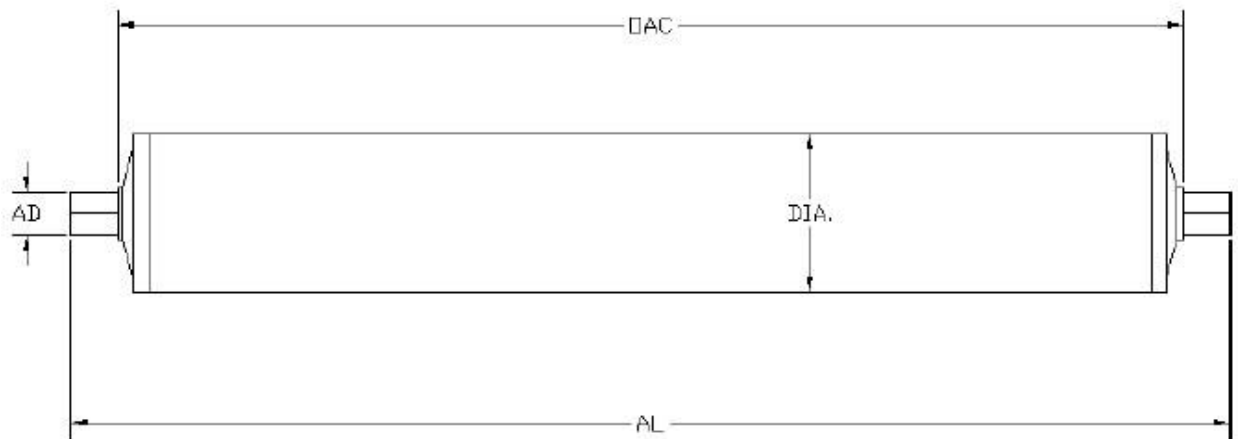
AD – Axle diameter: if a hex shaft measured from flat to flat, if round measured the outside diameter.



Anytime you are measuring a roller by it's self it is always best to take the measurements off of the frame since the frame is a static reference point. By doing this you do not need to know the manufacture of the roller or bearings.

If you cannot measure the BFR of the conveyor and have the roller sitting in front of you measure the Overall Cone Dimension. (OAC)

The OAC is the length of the roller from bearing tip to bearing tip:



BF and OAC are the most important measurements to ensure your roller will fit properly.

Tube length is not an accurate way to measure the length of a roller because it is dependent on how far the bearings extend from the tube and will change with the different bearings being used.