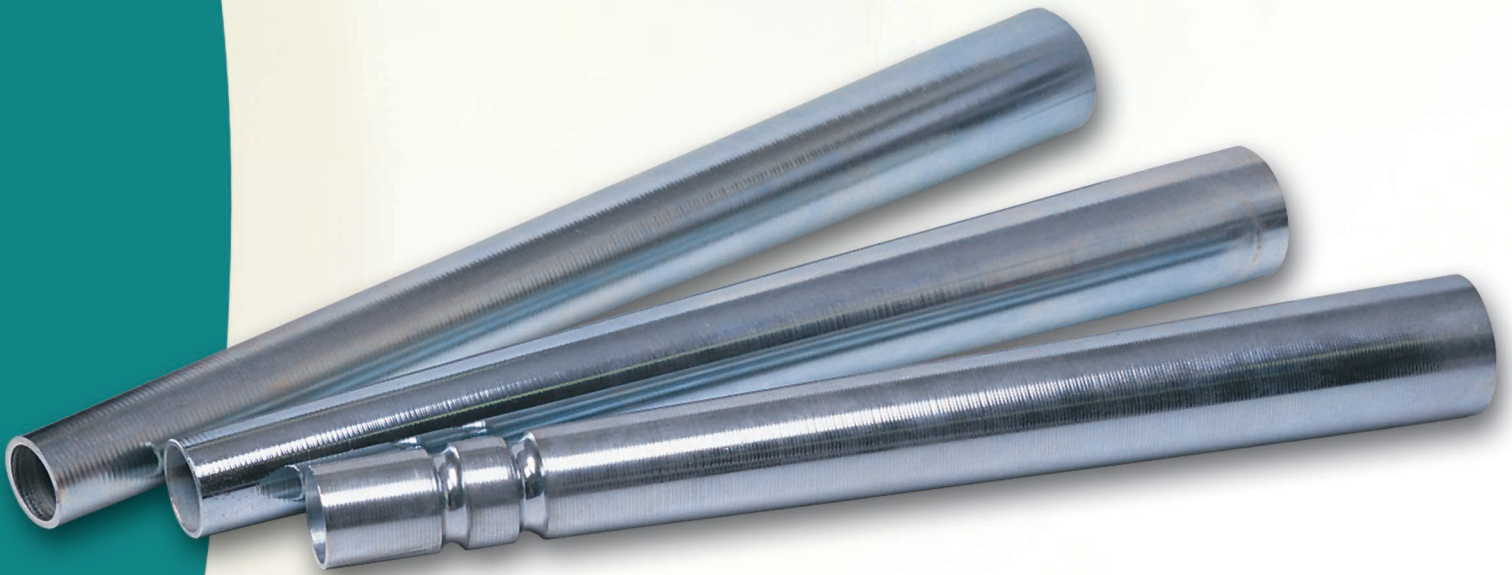


# Tapered Tubes and Tapered Rollers



## AirForm<sup>™</sup> Process Rollers

- Superior Concentricity
- Wide Range of Diameters, Lengths and Tapered Angles
- Tapered Tubes and Completely Assembled Tapered Rollers Available
- Now Available with our proprietary Urethane Lagging - all the advantages of urethane at the cost of commercial rubber
- Drive Grooves Available
- Wide Array of Materials Available
- CNC Forming Process
- "Large End" Plugs Welded in when Required
- Machined Bearing "Pockets"
- For more information on what can be produced using Airform<sup>®</sup> Technology, please check or click on this link: <http://www.bryantpro.com/airformtech.asp>

# The Bryant AirForm™ Advantage

Tapered rollers from Bryant Products are formed by the revolutionary new **AirForm™** Process. Developed by Bryant Products in 1998, **AirForm™** stands alone as the superior way to manufacture tapered roller shells. **AirForm™** requires no part specific tooling, no mandrels or interior supports. Our machines are fully CNC controlled, require no fixturing and have been designed to reduce set up times to several minutes.

## What this means for our customer:

- No tooling charges for new designs - no limits placed on the designer due to the limitations of on hand tooling
- No limits placed upon the taper angle you desire - since there is no hard tooling required, you are free to select and design the angle of taper you desire
  - select a true taper
  - modify the angle of taper so that differing lengths of rollers made from the same tube diameter all have the same back end diameter - simplify your washer requirements
- Grooving is internal to the basic forming cycle - no secondary operations or charges required - select from either 3/16" or 1/4" groove radius
- Rapid response to special order requests
- Setups are minimal - there are no small lot charges or order minimums
- Special designs or low volume orders can be easily and cost effectively accommodated
- Most quotations are processed in less than a day - the lack of tooling and set-up charges greatly simplifies and shortens the estimating process
- **AirForm™** produces rollers of extraordinary accuracy - depending on length, diameter and materials selected, TIR's of less than .010" are possible. A TIR of .020" is standard for most sizes and materials.
- Enjoy the many design advantages of our tapered rollers as shells or finished rollers. Our roller assembly facility assures you high quality, a wide range of available bearings and adapters and a cost effective alternative to in-house assembly
- We carry an extensive and varied inventory of tubing grades and diameters

## Materials Available

- Hot Rolled Electric Weld low carbon steel
- 1020 tubing, special weld characteristics and heat controlled
- DOM Tubing
- Zinc Plated Low Carbon Steel
- Stainless Steel
- Aluminum

DIAMETER	LENGTH	WALL THICKNESS
1.5"	9" - 36"	.065 - .105
2"	9" - 36"	.065 - .105
2.5"	9" - 60"	.083 - .120
3"	9" - 60"	.083 - .120
4"	9" - 60"	.083 - .120
5"	9" - 60"	.083 - .120
6"	9" - 60"	.083 - .120