

## Plastic Rollers

Plastic rollers are available in a wide range of bearings, tube, and shaft combinations. Plastic rollers are ideal for Light Duty Gravity Applications, Humid, Corrosive or Wet Environments. Typical applications include; food processing, chemical or acidic environments, battery handling, and package handling. The following information is provided to help match the operating environment with the proper product.

### Roller Selection Criteria:

To select the right roller for the operating environment the following items must be considered:

- Conveyed Items or Materials.  
*Size / Shape / Weight*
- Surface Characteristics of Materials
- Operating Environment  
*Heat / Humidity*  
*Exposure to Chemicals*

### Materials:

#### Tubes:

- Standard White or Gray PVC
- Hi-Impact White PVC with UV Stabilizers
- Polypropylene
- Steel Reinforced PVC

#### Drive Options:

- Grooves
- V-Guides

#### Shaft Configuration & Materials:

- Hex, Round - Dual spring loading is standard - Option: Fixed or Loose
- Carbon Steel, Stainless Steel, Aluminum
- Zinc and Nickel Plating Available

#### Shaft Extensions:

- 9/16" is standard for 3/16" round to 1/2" round or 7/16" hex
- 3/4" is standard for 5/8" - 11/16" round or hex and larger
- Measurements are from the hub of the bearing to the end of the shaft on each side.

#### Shaft End Options:

- Drilled and Tapped, Threaded, Drilled Holes, Milled Flats
- Plastic Flat Caps, Urethane & Plastic Adapters over an internal metal support shaft

