

PRODUCT INFORMATION



INSPIRED BY
EFFICIENCY



INTERROLL ROLLERS

FOR INDUSTRIAL & CONVEYOR APPLICATIONS

1100 SERIES ROLLER

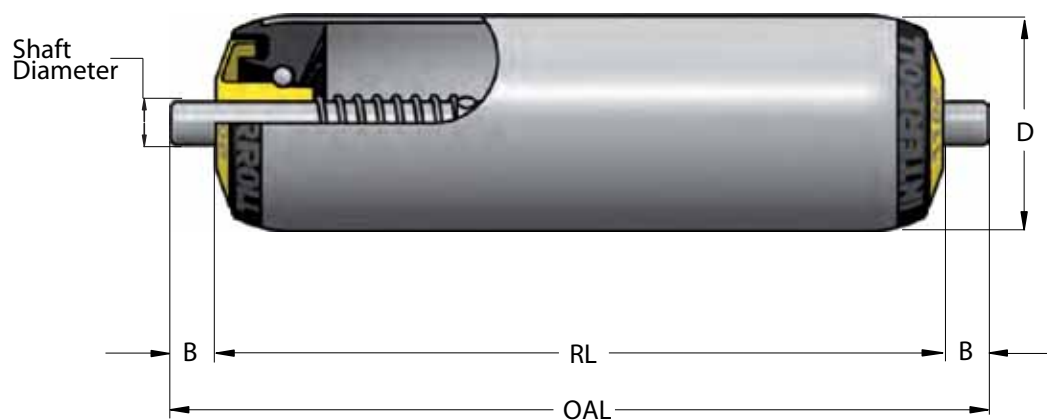
Bearings

- Acetal or polypropylene bearing housing and raceway with stainless steel balls (type 302)
- Bearing housing has double labyrinth seals to prevent entry of contaminants
- Maximum recommended speed 15 FPM

Applications

- Gravity conveyor
- Idler roller

Dimensions



Typically BF = RL + 0.12"

Tube Diameter (D)	Tube Material	Wall Thickness	B										
			Shaft Options										
			No shaft	0.192" round C/S or S/S spring loaded	0.192" round C/S or S/S threaded 10-32	1/4" round C/S or S/S or aluminum spring loaded	1/4" round C/S or S/S threaded 1/4-20	5/16" round C/S or S/S spring loaded	5/16" round C/S or S/S threaded 5/16-18	5/16" hex C/S or S/S spring loaded	3/8" hex C/S spring loaded	7/16" hex C/S or S/S spring loaded	7/16" hex C/S or S/S end drilled and tapped 1/4-20 x 5/8 deep
0.62"	Polished S/S	.035"	●	●	●								
0.75"	Polished S/S	.035"	●			●	●						
	Anodized aluminum	.035"	●			●	●						
0.78"	Gray PVC	.060"	●			●	●						
1.12"	Anodized aluminum	.050"	●	●	●	●	●	●	●	●			
1.18"	Gray PVC	.070"	●	●	●	●	●	●	●	●			
1.9"	Mill finish aluminum	0.065"	●					●	●	●	●	●	●
	Galvanized C/S	0.065"	●					●	●	●	●	●	●
	Polished S/S	0.065"	●					●	●	●	●	●	●
	Gray PVC	0.11"	●					●	●	●	●	●	●

Notation: C/S = Carbon steel RL = Roller length BF = Between frames
S/S = Stainless steel OAL = Overall length B = Shaft Extension
ED&T = End drilled & tap



1200 SERIES ROLLER

Bearings

- Commercial carbon steel balls and raceway with zinc plated housing
- Maximum recommended speed 160 FPM

Applications

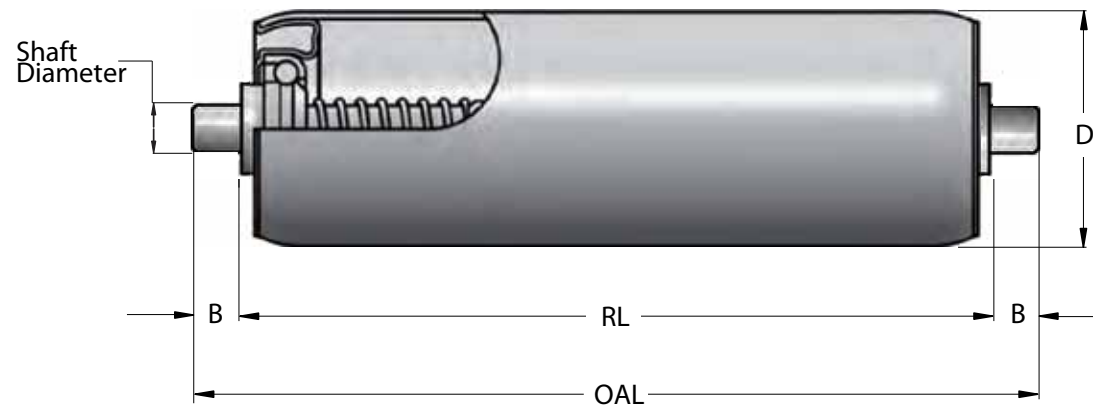
- Gravity conveyor
- Low speed powered applications

Optional Features

- PVC or polyurethane sleeving for 1.9" OD
- 1/8" deep O-ring grooves for 1.38" OD
- 3/16" deep O-ring grooves for C/S and S/S 1.9" OD
- Sprockets welded to C/S tube for 1.9" and 2.5" OD



Dimensions



Typically $BF = RL + 0.12"$

Shaft Options										B	
										No shaft	N/A
											.56"
											.75"
											.56"
											.56"
											.06"
											.75"

Tube Diameter (D)	Tube Material	Wall Thickness	No shaft	1/4" round C/S or S/S spring loaded	1/4" round C/S or S/S threaded 1/4-20	5/16" hex C/S or S/S spring loaded	7/16" hex C/S or S/S spring loaded	7/16" hex C/S end drilled and tapped 5/16-18 x 5/8 deep (removable)	1 1/16" hex C/S spring loaded (optional dual spring loaded)
0.75"	Anodized aluminum	.035"	●	●	●				
1"	Anodized aluminum	.049"	●	●	●	●			
	Galvanized C/S	.049"	●	●	●	●			
1.38"	Galvanized C/S	.049"	●	●	●	●			
1.9"	Mill finish aluminum	.065"	●				●	●	
	Galvanized C/S	.065"	●				●	●	
	Galvanized C/S	.109"	●				●	●	
2.5"	Mill finish C/S	.120"	●						●
	Galvanized C/S	.120"	●						●

Notation: C/S = Carbon steel RL = Roller length BF = Between frames
OAL = Overall length B = Shaft Extension ED&T = End drilled & tap

1700 SERIES ROLLER



Dimensions

Bearings

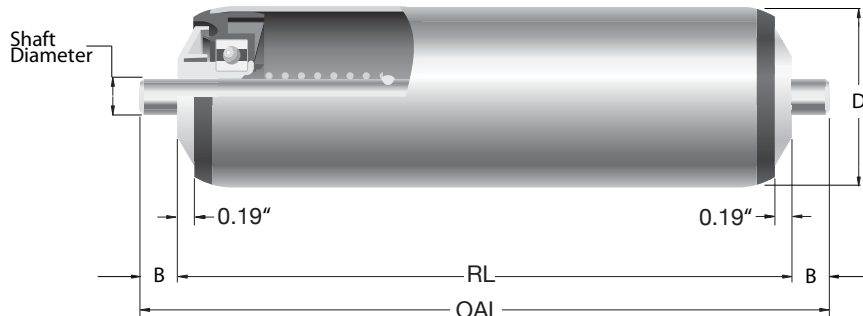
- Precision steel standard, optional stainless steel bearing
- Polymer bearing cartridge contains a labyrinth seal to protect against contaminants.
- Maximum recommended speed 400 FPM

Applications

- Line shaft conveyor
- Belt driven live roller conveyor
- Motorized roller conveyor
- Roller bed conveyor

Optional Features

- PVC or polyurethane sleeving for 1.9" OD
- 1/8" deep O-ring grooves for 1.38" OD
- 3/16" deep O-ring grooves for C/S and S/S 1.9" OD
- Polymer tapered sleeves for curve applications 1.9" OD
- One-way bearings for 1.9" OD
- Poly-Vee and Poly-O bearing housings for 1.9" OD
- Taper Hex shafts for 7/16" hex punched conveyor frames
- Metric sizes available



Typically BF = RL + 0.12"

			Shaft Options													B
Tube Diameter (D)	Tube Material	Wall Thickness	No shaft	5/16" hex C/S or S/S spring loaded	7/16" hex C/S, aluminum or S/S spring loaded	7/16" hex C/S fixed ends (not spring loaded)	7/16" hex C/S or S/S ED&T 5/16-18 x 5/8" (removable)	Taper hex for 7/16" hex hole in side frame	12mm round C/S ED&T 5/16-18 x 5/8", fixed	12mm round C/S ED&T M8 x 15mm, fixed	1/2" round C/S threaded 1/2-13, removable	1/2" round C/S threaded 1/2-13, fixed	1/2" round C/S or S/S ED&T 5/16-18 x 5/8" deep, fixed	1/2" round C/S or S/S spring loaded	17mm round C/S ED&T 3/8-16 x 3/4" deep, fixed	
1.38"	Galvanized C/S	.049"	●	●												
	Polished S/S	.049"	●	●												
1.9"	Gray PVC	.110"	●		●	●	●	●			●	●	●	●		
	Polyethylene anti-litho	.110"	●		●	●	●	●			●	●	●	●		
	Mill finish aluminum	.065"	●		●	●	●	●			●	●	●	●		
	Mill finish C/S	.065"	●		●	●	●	●			●	●	●	●		
	Galvanized C/S	.065"	●		●	●	●	●			●	●	●	●		
	Polished S/S	.065"	●		●	●	●	●			●	●	●	●		
	Galvanized C/S	.109"	●		●	●	●									
50mm	Galvanized C/S	1.5 mm	●		●	●	●		●	●					●	
2.5"	Gray PVC	.125"	●		●	●	●	●			●	●	●	●		
	Galvanized C/S	.083"	●		●	●	●	●			●	●	●	●		
3.15"	Mill finish C/S	.083"	●		●	●	●				●	●	●	●		
	Galvanized C/S	.083"	●		●	●	●				●	●	●	●		
3.5"	Gray PVC	.280"	●		●	●	●				●	●	●	●		

Notation: C/S = Carbon steel RL = Roller length BF = Between frames
 S/S = Stainless steel OAL = Overall length B = Shaft Extension
 ED&T = End drilled & tap



1800 SERIES ROLLER

Bearings

- Precision bearing in a sintered metal bearing cartridge manufactured to tight tolerances for excellent concentricity and fit.
- An external metal dirt guard shield and polyester felt contact seal provide the bearing extra protection from contaminants
- Maximum recommended speed 400 FPM, for higher speeds consult Interroll

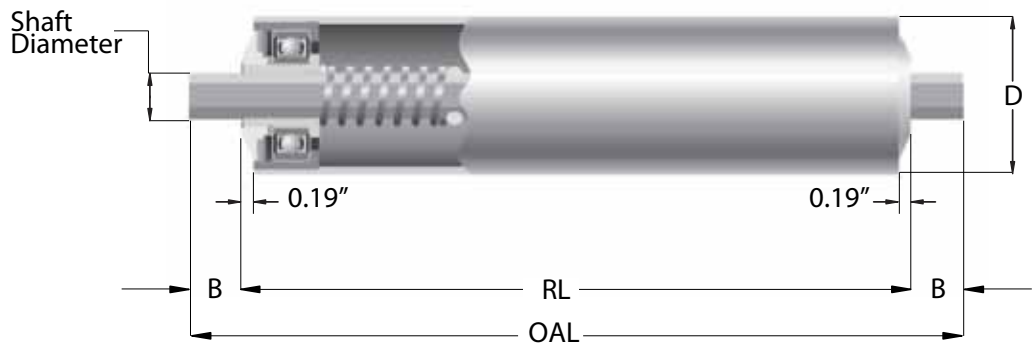
Applications

- Belt conveyor take up and return rollers
- High speed packaging lines
- Heavy duty applications requiring high load capacity
- Treadmills
- Transfer machines

Optional Features

- Crowned tube

Dimensions



Typically $BF = RL + 0.12"$

			<div>Shaft Options</div>							
			<div>B</div>							
			<div>0.19"</div>							
			<div>B</div>							
Tube Diameter (D)	Tube Material	Wall Thickness	7/16" hex C/S spring loaded	7/16" hex C/S ED&T 5/16-18 x 5/8" (removable)	17mm (.669") dia. C/S ED&T 3/8 -16 x 3/4", fixed	11/16" hex C/S spring loaded	11/16" hex C/S ED&T 3/8-16 x 3/4", fixed	20mm (.787") dia. C/S ED&T 3/8-16 x 3/4", fixed	20mm (.787") dia. C/S ED&T 1/2-13 x 3/4", fixed	25mm (.984") dia. C/S ED&T 5/16-18 x 3/4", fixed
2"	Mill finish C/S	.12"	●	●	●			●	●	
	Zinc plated C/S	.12"	●	●	●			●	●	
2.5"	Mill finish C/S	.12"				●	●	●	●	●
	Galvanized C/S	.12"				●	●	●	●	●
3"	Mill finish CS	.18"				●	●	●	●	●
3.5"	Mill finish C/S	.18"				●	●			●

Notation: C/S = Carbon steel RL = Roller length BF = Between frames
OAL = Overall length B = Shaft Extension ED&T = End drilled & tap

3900 SERIES ROLLER

Bearings

- Precision bearing in a carbon steel heavy gauge stamped metal end housing that is welded to the tube. A triple labyrinth seal provides additional protection against contaminants.

Applications

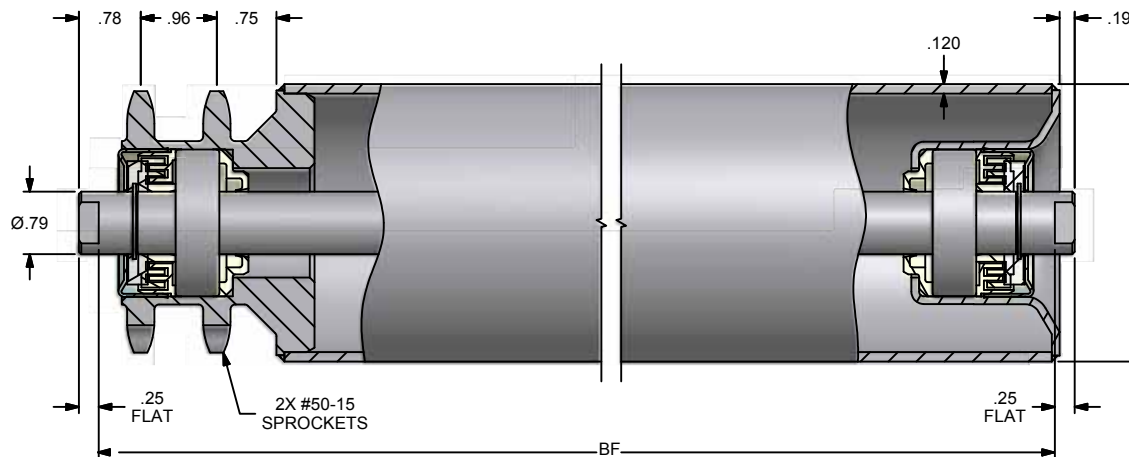
- Heavy duty palletizers
- Pallet conveyor
- Chain driven live roller conveyor
- Ideal for 3.5" and large roller diameters when the sprocket pitch needs to be below the surface of the tube

Sprocket Options

- Two #40-18
- Two #50-15

Note: sprocket locations are only offered as shown below

Dimensions



Shaft Options

25/32" round C/S shaft with milled flats 0.59" x 0.39"
25/32" round C/S shaft end drilled & tapped 1/2-13 UNC x 0.75" deep on each end

Tube Diameter (D)	Tube Material	Wall Thickness		
2.5"	Mill finish C/S	.120"	●	●
3.5"	Mill finish C/S	.120"	●	●
4"	Mill finish C/S	.134"	●	●
5"	Mill finish C/S	.134"	●	●

Notation: C/S = Carbon steel RL = Roller length
BF = Between frames

Roller Application Data Sheet

Date: Company Name: (Check one): ☐ Enduser ☐ Distributor ☐ Integrator/OEMContact: Phone: Fax: Email: Address: City: State: Zip: **Brief Application Description:** (include speed, load, and operating conditions, i.e. wet, oily, washdown, cold, hot, etc.)

Describe product being conveyed and number of rollers under product:

Quantity required: **Bearing Type**

- ☐ Commercial grade carbon steel
☐ Precision steel
☐ Precision stainless steel

Tube MaterialDiameter:

- ☐ Carbon steel, galvanized ☐ Stainless Steel
☐ Carbon steel, mill finish
☐ PVC
☐ Aluminum
☐ Other

Accessories

Sleeving:

- ☐ Soft PVC (.08" thick), over 1.9" OD tube, gray
☐ Polyurethane (.12" thick), over 1.9" or 2.5" OD tube, orange
☐ Tapered segments over 1.9" OD tube for curves, black

Sprockets ☐ Plastic ☐ SteelNumber of sprockets: Chain number: Number of teeth:

Contact factory for assistance selecting sprockets.

Shaft Material

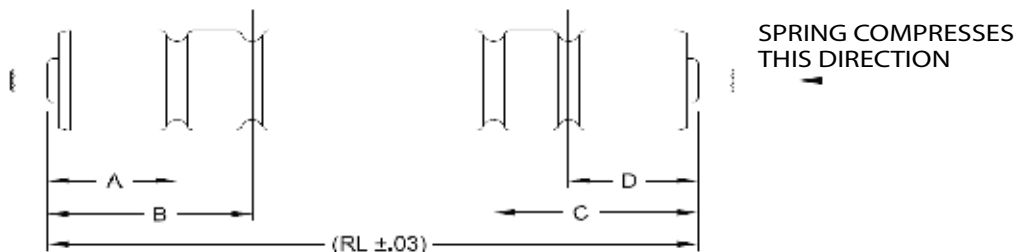
- ☐ Carbon steel, mill finish
☐ Carbon steel, zinc plated
☐ Stainless steel
☐ Aluminum
☐ Other:

Shaft Size & Shape

- | | |
|--------------------------------------|---------------------------------------|
| <input type="checkbox"/> .192" round | <input type="checkbox"/> 12mm round |
| <input type="checkbox"/> 1/4" round | <input type="checkbox"/> 1/2" round |
| <input type="checkbox"/> 5/16" round | <input type="checkbox"/> 11/16" hex |
| <input type="checkbox"/> 5/16" hex | <input type="checkbox"/> 17mm round |
| <input type="checkbox"/> 3/8" hex | <input type="checkbox"/> 20mm round |
| <input type="checkbox"/> 7/16" hex | <input type="checkbox"/> 25/32" round |

Shaft Configuration

- | | |
|--|---|
| <input type="checkbox"/> Fixed | <input type="checkbox"/> Spring-loaded |
| <input type="checkbox"/> Male threaded | <input type="checkbox"/> End drilled & tapped |
| <input type="checkbox"/> No shaft | <input type="checkbox"/> Taperhex Gold |
| <input type="checkbox"/> Loose | <input type="checkbox"/> Taperhex Black |

☐ Other: Shaft extensions: L: R: **Roller Length & Groove Locations**A = B = C = D = RL =

Contact factory for minimum A & B dimensions and for minimum distance between grooves

For printable version of this form visit: www.interroll.usSend inquiries via: Telephone: 1(800) 830-9680 • Fax: 1(800) 830-9679 • Email: us.sales@interroll.com



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