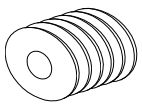
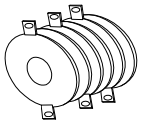
CALLCOTT & DOWNEY
ENGINEERING SERVICES

CERTIFIED ISO 9001:2015

CIRCULAR BELLOW SPECIFICATION SHEET

☐ A

PLAIN BELLOW

☐ B

BELLOW WITH 2 TIE TABS

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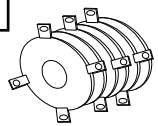
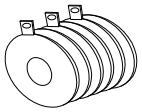
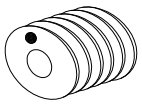
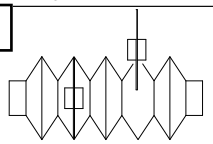
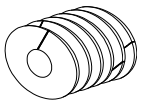
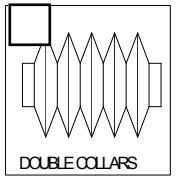

BELLOW WITH 4 TIE TABS

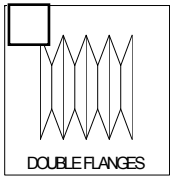
☐ D

BELLOW WITH SUPPORT TAB

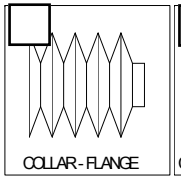
☐ E

BELLOW WITH VENT

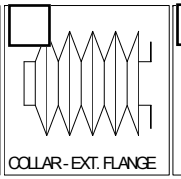
☐ F

INTERNAL BUSH SUPPORTS

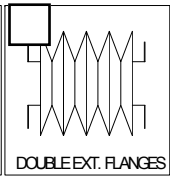
☐ G

BELLOW WITH ZIPPER

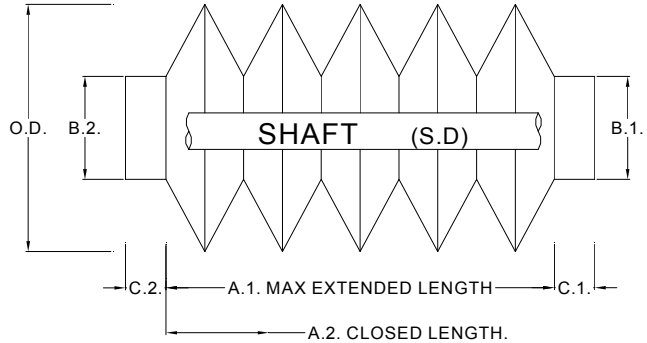
☐ 
DOUBLE COLLARS

☐ 
DOUBLE FLANGES

☐ 
COLLAR - FLANGE

☐ 
COLLAR - EXT. FLANGE

☐ 
DOUBLE EXT. FLANGES



☐ Smooth Shaft
☐ Screw Jack
☐ Vertical Shaft
☐ Horizontal Shaft

ORDERING SPECIFICATIONS	Your Ref:
Maximum Allowable Diameter of Convolutions	O.D.
Maximum Extended Length Excluding Cuffs	A1.
Minimum Closed Length Excluding Cuffs	A2.
Inside Diameter of Cuff	B1.
Cuff Length Required for Fastening	C1.
Inside Diameter of Cuff	B2.
Cuff Length Required for Fastening	C2.
Shaft Diameter	SD.

Do You Want Clamps Supplied (Tick) **Yes** ☐ **No** ☐

Material Type HD PVC

Special Requirements

☐ Indoor Use ☐ Outdoor Use ☐ Humidity
☐ Dryness ☐ Heat ☐ Dust / Sand
☐ Welding Splashes ☐ Saltwater ☐ Rust Action
☐ Abrasive Action ☐ Magnetic ☐ Vacuum
☐ Chips Large ☐ Chips Small ☐ Coolant Type
☐ Oil Type ☐ ☐

Working Temperature (In °C)

☐ Min ☐ Max ☐ Average

SPECIAL FEATURES AVAILABLE ON REQUEST

☐ Internal Support Rings For Horizontal Application
☐ External Tie Straps for Vertical Application
☐ Longitudinal Zipper
☐ Binder on Convolution Joins, Inside & Out
☐ Double Stitch on Cuff Connections
☐ Flange Connections, ☐ One End / Both Ends ☐
☐ Breather Plug

CUSTOMER DETAILS **DATE:**

Company Name:

Contact Name:

Email:

Address:

Phone: Fax:

Qty:

Email to sales@callcott-downey.com.au

Bellows Measuring Guide

If unsure about anything, please call for assistance on (08) 9451 4144

In order to help us make the best product for you, please also provide as many photos as possible.

O.D. Maximum Allowable Diameter of Convolutions

Some cylinders are placed in tight places so a maximum outer diameter needs to be specified. This ensures the bellows are free to expand and contract without contacting other parts of the machine.

If there are no obstructions, this section can be left as a question mark.

A1. Maximum Extended Length Excluding Cuffs

For most cases, this is the distance between the gland and the rod clevis when the cylinder is fully extended minus 15mm for the hose clamp if clamping to the rod. This can also be calculated using the minimum closed length plus stroke of the cylinder

A2. Minimum Closed Length Excluding Cuffs

For most cases, this is the distance between the gland and the rod clevis when the cylinder is fully retracted minus 15mm for the hose clamp if clamping to the rod. This can also be calculated using the maximum extended length minus the stroke of the cylinder

B1. Inside Diameter of Cuff

The diameter of the Gland where the cuff will be fastened, we will allow for clearance in our calculations.

C1. Cuff Length Required for Fastening

The length of the cuff should be a minimum of 15mm to allow for a 15mm wide hose clamp. A length of 30mm or more is optimal for easy installation.

B2. Inside Diameter of Cuff

The diameter of the rod or rod clevis where the cuff will be fastened, we will allow for clearance in our calculations. Please Specify if this will be fastened to the rod or rod clevis.

C2. Cuff Length Required for Fastening

The length of the cuff should be a minimum of 15mm to allow for a 15mm wide hose clamp. A length of 30mm or more is optimal for easy installation.

S.D. Shaft Diameter

The diameter of the rod, we will allow for clearance in our calculations.

Other important Factors

- Is the cylinder orientated vertically or horizontally?
- Do you want hose clamps supplied? We recommend using our stainless-steel hose clamps to ensure they are the correct size.