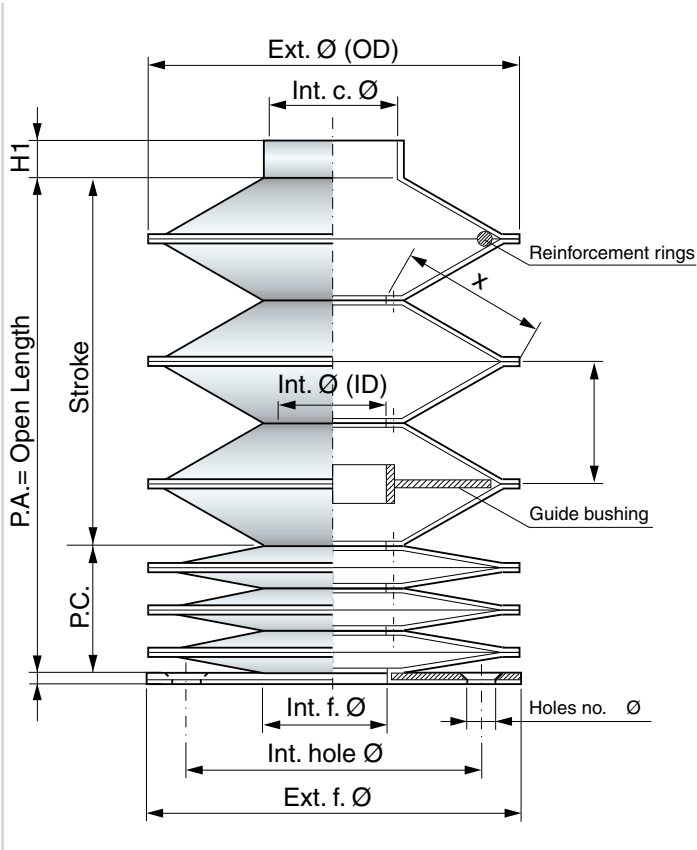




## SEWN ROUND BELLOWS

These are used when strong rotation resistance is required (for instance, to cover ball screws) and where a very compact closed pack is required.

- Highly **reliable** bellows
- High resistance to mechanical and dynamic **stress**
- Resistance to **coolants and oils**
- Suitable for **high temperatures**
- Available with guide **bushings** and reinforcement **rings**
- No tooling **costs**
- With selected edging (in safety colors upon request)
- Minimum internal diameter **starting at 20 mm**
- **Any size** external diameter
- Good **price/quality** ratio



### Materials available:

- Polyester coated with Neoprene\* and Hypalon\*
- Polyester coated with Nitril rubber
- Polyester coated with Polyurethane
- Polyester coated with PVC
- Kevlar\* coated with Neoprene\* and Hypalon\*
- Kevlar\* coated with Polyurethane
- Fiberglass coated with Silicone and Neoprene\*
- Fiberglass coated with PVC
- Aluminum-coated fabrics

\* Neoprene, Hypalon and Kevlar are registered Dupont trademarks

(see materials list on page 46)

### Formula for calculating the CLOSED LENGTH

$$P.C. = \text{Closed Length} = NP \cdot SP^*$$

$$NP = \text{Number of folds} = \frac{P.A.}{AP} + 1$$

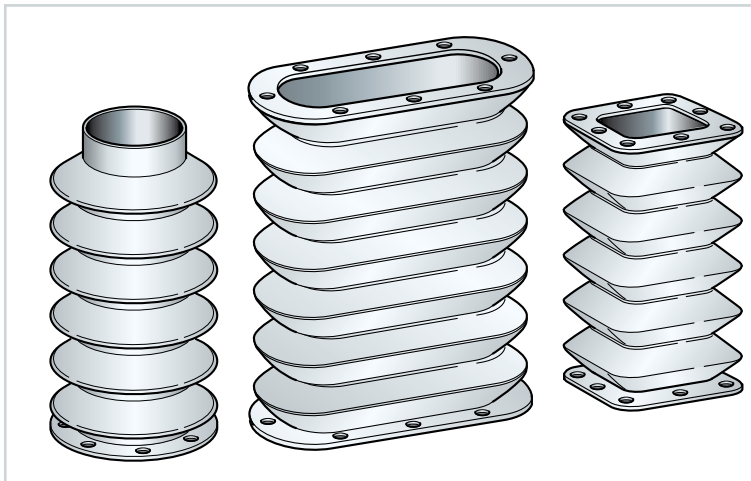
\* SP = Thickness of 1 fold; see materials list on page 46

$$AP = \text{Opening of 1 fold} = \left( \frac{OD - ID}{2} - 6 \right) \cdot 1,2$$

**Note:** When steel rings are required inside the folds, the P.C. is calculated by our engineering department.

## THERMIC-WELDED TIGHT BELLOWS

They are used when watertight protection of the components (i.e. screws, shafts, etc.) is necessary against the contamination made by coolants.



- Economic bellows
- Good resistance to chemicals
- Resistance to heat compatible with the used materials (see characteristics on page 46- 47)
- They can be supplied in a variety of geometrical shapes, with low cost production of moulds (if not already present in our stock).

### Materials available:

- Code TEMAT 018
- Code TEMAT 019
- Code TEMAT 153

See the characteristics shown in the tables on pages 46-47.



## HEAT-FORMED BELLOWS

These are used when high mechanical strength and heat resistance are required.

- Excellent resistance to mechanical **stress**
- Resistance to **coolants and oils**
- Available with guide **bushings** and reinforcement **rings** upon request
- Also available cone-shaped
- No tooling **costs**
- Suitable for **high temperatures**

## OPEN HEAT-FORMED BELLOWS

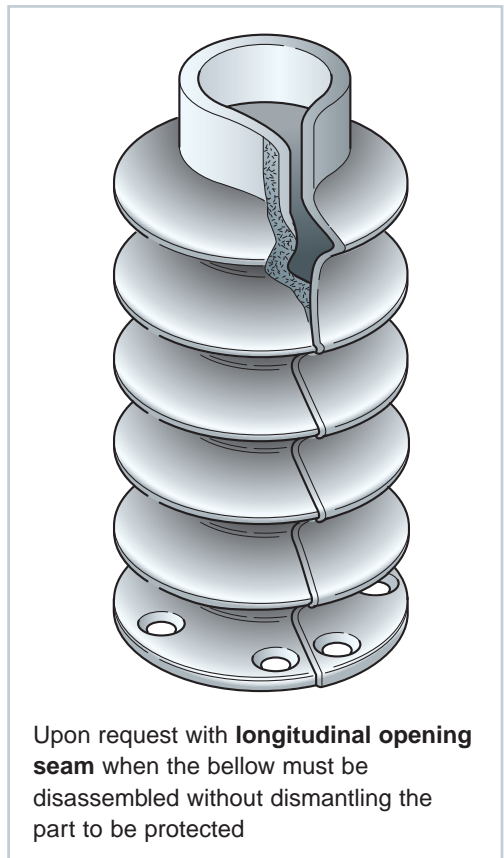
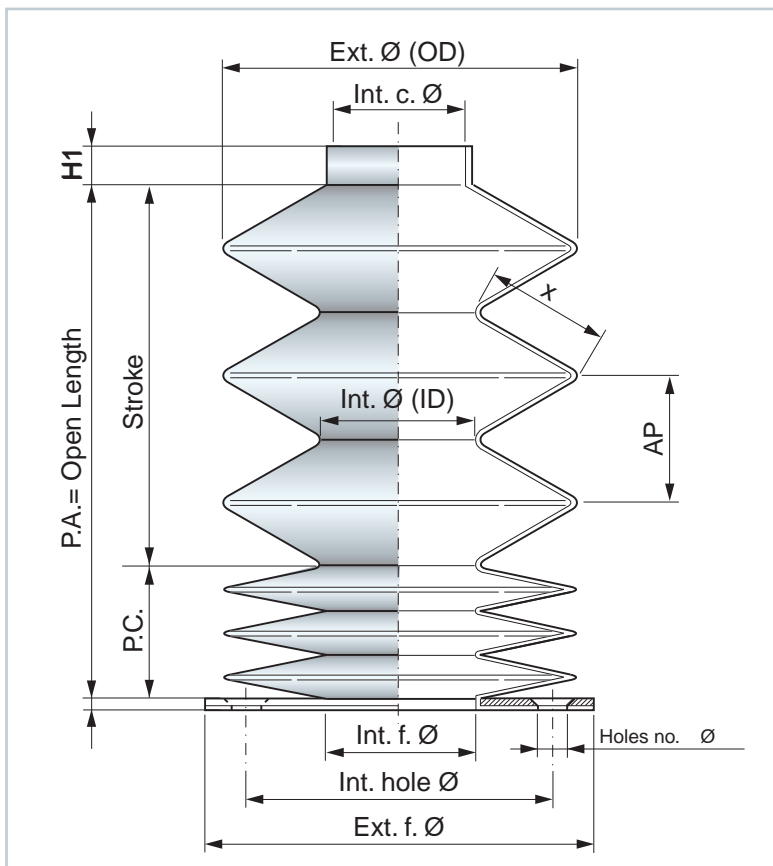
### Materials available:

- Polyester coated with Neoprene\* and Hypalon\*
- Polyester coated with Nitril rubber
- Polyester coated with Polyurethane
- Polyester coated with PVC
- Fiberglass coated with Silicone and Neoprene\*

\* Neoprene and Hypalon are registered Dupont trademarks

(see materials list on page 46)

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Upon request with **longitudinal opening seam** when the bellows must be disassembled without dismantling the part to be protected

### Formula for calculating the CLOSED LENGTH

$$P.C. = \text{Closed Length} = NP \cdot SP^*$$

$$NP = \text{Number of folds} = \frac{P.A.}{AP} + 1$$

\* SP = Thickness of 1 fold; see materials list on page 46

$$AP = \text{Opening of 1 fold} = \left( \frac{OD - ID}{2} \right) \cdot 1,41$$

**Note:** When steel rings are required inside the folds, the P.C. is calculated by our engineering department.



# ROUND BELLOWS

## QUESTIONNAIRE FOR ROUND BELLOWS

**! Bellows type**

Sewn

Heat-formed

Thermic-welded

**! Fastening system**

A

B

C

**! Type of machine on which the ROUND BELLOWS is to be installed:**

METAL working machine

MARBLE working machine

GOLD working machine

PAPER working machine

FABRIC working machine

GLASS working machine

FOOD processing machine

PHARMACEUTICAL processing machine

AGRICULTURAL processing machine

TANNING machinery

CLAY working machine

WOOD working machine

Other .....

**! Type of material falling on the bellows:**

.....

.....

.....

**! Liquids to which the bellows will be exposed:**

.....

.....

.....

.....

**! Working position:**

Horizontal     Vertical

**! Temperature of material falling on the bellows:**

..... °C

**! Part to be protected:**

Stem or shaft:  
Diameter.....mm

Screw:  
Diameter.....mm  
Pitch.....mm

Ball screw:  
Diameter.....mm  
Pitch.....mm  
RPM in rapid travel.....

With longitudinal seam

Other .....

.....

.....

.....

**! Company name:** .....

**! Contact person:**.....

Tel.: ..... Fax:.....

Quantity: .....

Annual demand:.....

Date: .....

Notes:.....

NOTE: The data fields and/or tables marked by **!** are the least ones to be filled in order to give you a quotation.