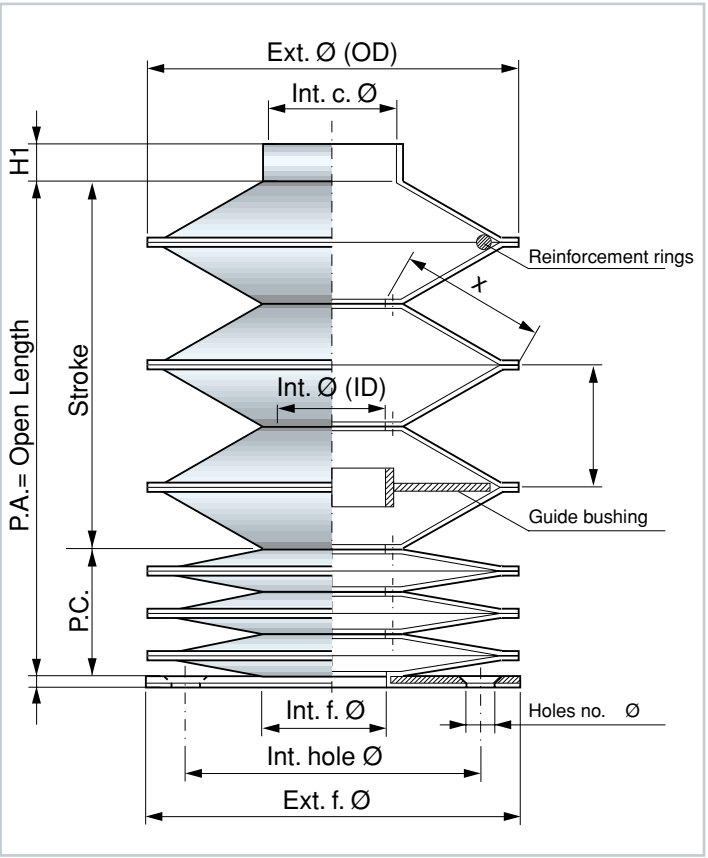
HEAT-FORMED AND OPEN HEAT-FORMED BELLOWS

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.= Closed Length = NP · SP*

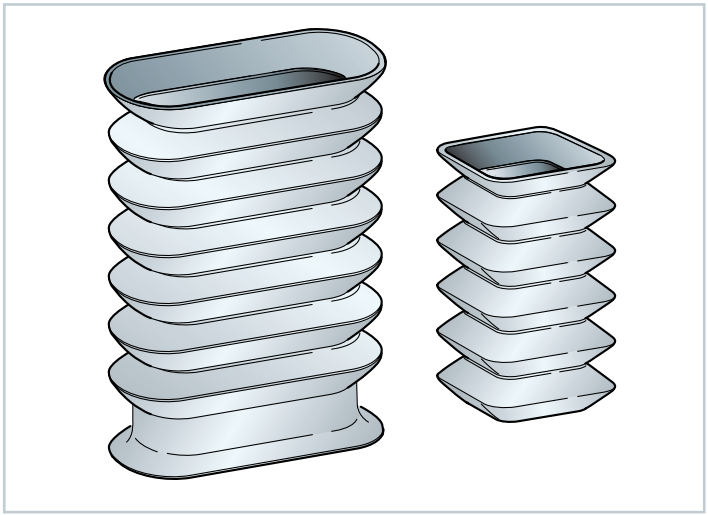
NP= Number of folds = $\frac{\text{P.A.}}{\text{AP}} + 1$

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

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

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

VARIFLEX BELLOWS



- Extremely sturdy bellows
- Water and dust proof
- External diameter of up to 3000 mm
- Highly resistant to abrasion
- Weather resistant
- Good resistance to chemicals
- Suitable for temperatures of up to 300 °C
- Available with longitudinal seam for maintenance.

Materials available
Leather, rubberized fabric, aluminum-coated carbon fabric, etc.

Also available in oval and square shapes!

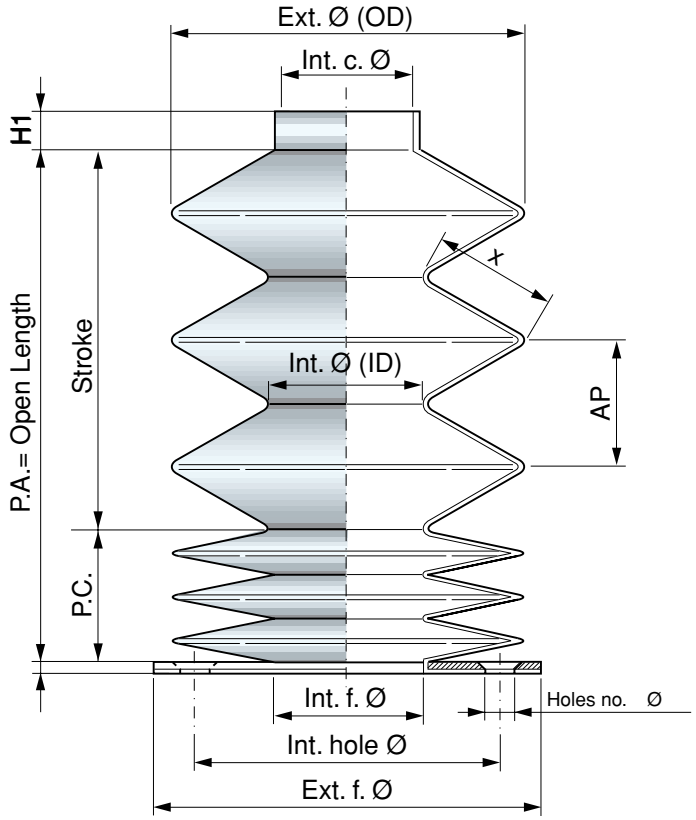
Dimensions to be determined with our engineering department.

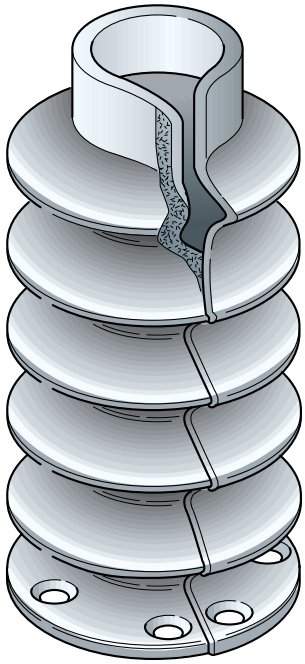
Round Bellows

Heat-Formed and Open 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**





With **longitudinal seam** upon request when the bellows must be disassembled without dismantling the part to be protected

Formula for calculating the CLOSED LENGTH

P.C.= Closed Length = NP · SP*

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

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

AP= 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.

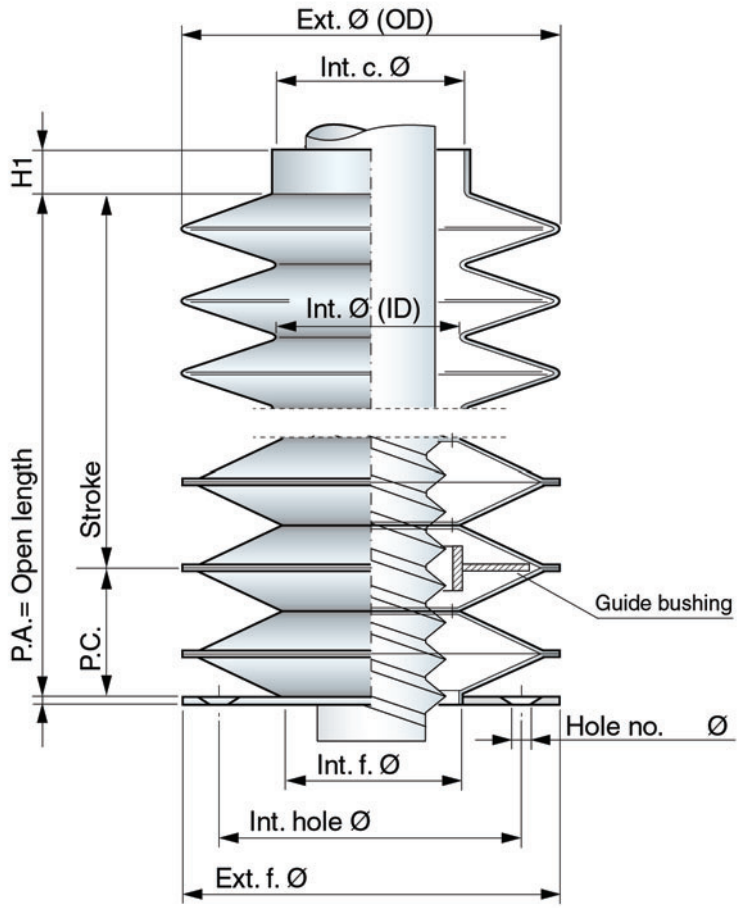
Materials available:

- 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)

QUESTIONNAIRE FOR ROUND BELLOWS



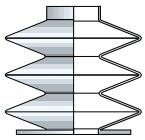
! Bellows type

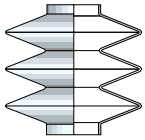
❑ Sewn

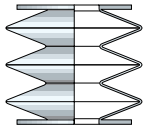
❑ Heat-formed

❑ Variflex

! 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.