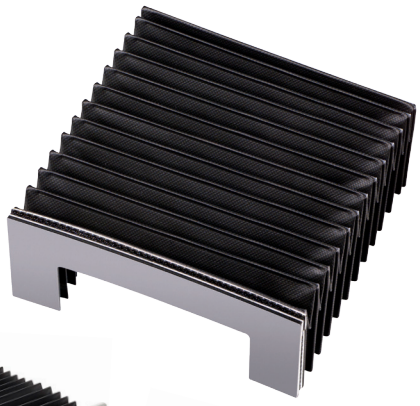
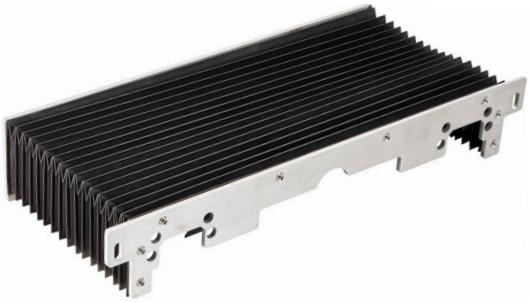
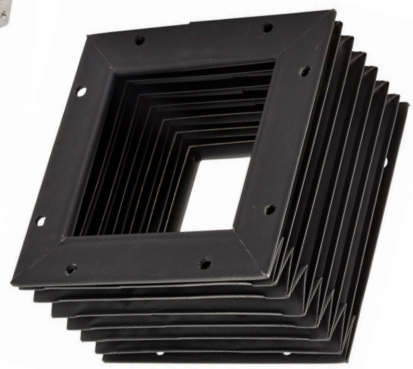
HEAT-SEALED BELLOWS

Heat-sealed bellows are manufactured from a single sheet of thermoplastic-coated fabric, which is pleated and then thermically welded to a PVC stiffener at every fold. They are available in any flat-sided, non-circular form, and can even be fabricated with metal shields attached to each convolution (see Gordillo™).







Features/Benefits:

- No stitch holes, seams or breaks
- Cover retains shape throughout travel
- Stiffener profile can be made to match any way or rail geometry
- Attractive, clean, uniform appearance
- Excellent protection for linear bearings and other precision equipment

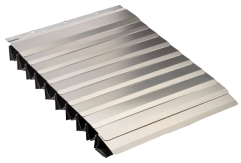
Materials:

- Polyurethane/Preox PAN + Para-Aramid
- Polyurethane/Para-Aramid
- Polyurethane/Nylon
- Polyurethane/Polyester
- PTFE/Polyester/Polyurethane
- PVC/Polyester

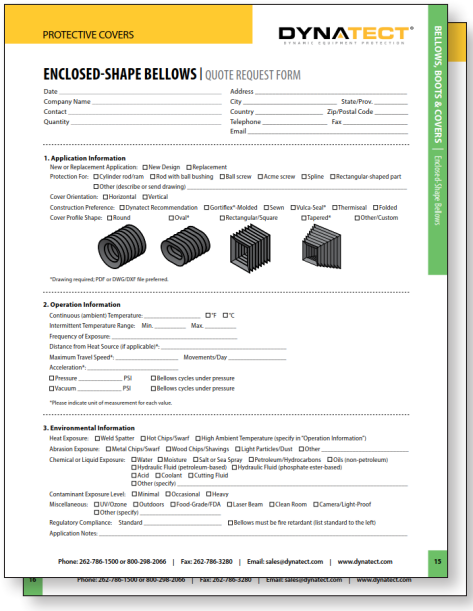
Consider the Gordillo™ option for better protection against abrasives, sparks, hot chips, and weld spatter.

Applications:

- Way protection: light- to medium-duty environments, e.g., small particles, light abrasives, light oil, liquids



TO SPECIFY, USE THE ENCLOSED-SHAPE BELLOWS RFQ FORM,
THE WAY COVER RFQ FORM,
OR
THE FLAT/STRIP BELLOWS RFQ FORM


PROTECTIVE COVERS

DYNATECT

ENCLOSED-SHAPE BELLOWS | QUOTE REQUEST FORM

BELLOWS, BOOTS & COVERS | Enclosed-Shape Bellows

Date
Company Name
Contact
Quantity
Address
City
State/Prov.
Country
Zip/Postal Code
Telephone
Fax
Email

1. Application Information
New or Replacement Application: ☐New Design ☐Replacement
Protection For: ☐Cylinder rod/ram ☐Rod with ball bushing ☐Ball screw ☐Acme screw ☐Spline ☐Rectangular-shaped part
☐Other (describe or send drawing)
Cover Orientation: ☐Horizontal ☐Vertical
Construction Preference: ☐Dynatect Recommendation ☐Gortiflex®-Molded ☐Sewn ☐Vulca-Seal® ☐Thermiseal ☐Folded
Cover Profile Shape: ☐Round ☐Oval* ☐Rectangular/Square ☐Tapered* ☐Other/Custom

*Drawing required, PDF or DWG/DXF file preferred.

2. Operation Information
Continuous (ambient) Temperature: ☐°F ☐°C
Intermittent Temperature Range: Min. Max.
Frequency of Exposure:
Distance from Heat Source (if applicable)*:
Maximum Travel Speed*: Movements/Day
Acceleration*:
☐Pressure PSI ☐Bellows cycles under pressure
☐Vacuum PSI ☐Bellows cycles under pressure

*Please indicate unit of measurement for each value.

3. Environmental Information
Heat Exposure: ☐Weld Spatter ☐Hot Chips/Swarf ☐High Ambient Temperature (specify in "Operation Information")
Abrasion Exposure: ☐Metal Chips/Swarf ☐Wood Chips/Shavings ☐Light Particles/Dust ☐Other
Chemical or Liquid Exposure: ☐Water ☐Moisture ☐Salt or Sea Spray ☐Petroleum/Hydrocarbons ☐Oils (non-petroleum)
☐Hydraulic Fluid (petroleum-based) ☐Hydraulic Fluid (phosphate ester-based)
☐Acid ☐Coolant ☐Cutting Fluid
☐Other (specify)
Contaminant Exposure Level: ☐Minimal ☐Occasional ☐Heavy
Miscellaneous: ☐UV/Ozone ☐Outdoors ☐Food-Grade/FDA ☐Laser Beam ☐Clean Room ☐Camera/Light-Proof
☐Other (specify)
Regulatory Compliance: Standard ☐Bellows must be fire retardant (list standard to the left)
Application Notes:

Phone: 262-786-1500 or 800-298-2066 | Fax: 262-786-3280 | Email: sales@dynatect.com | www.dynatect.com

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PROTECTIVE COVERS

DYNATECT

WAY COVER BELLOWS | QUOTE REQUEST FORM

BELLOWS, BOOTS & COVERS | Way Cover Bellows

NEW COVER? (only fill out pages 17 and 18) –OR– REPLACEMENT COVER? (only fill out pages 17 and 19)

Date
Company Name
Contact
Quantity
Address
City
State/Prov.
Country
Zip/Postal Code
Telephone
Fax
Email

1. Application Information (Please supply a sketch/drawing/CAD file (DWG or DXF file format/photo of your application.)
☐ New Cover ☐ Replacement Cover
Describe the type of equipment or part you need to cover:
Machine Make: Machine Model:
Cover Orientation: ☐Horizontal ☐Vertical ☐Cross Rail
Construction Preference: ☐Dynatect Recommendation ☐Heat-Sealed ☐Sewn ☐Vulca-Seal® ☐Sewn/Folded

2. Operation Information
Continuous (ambient) Temperature: ☐°F ☐°C Intermittent Temperature Range: Min. Max. ☐°F ☐°C
Frequency of Exposure: Distance from Heat Source (if applicable)*:
Maximum Travel Speed*: Movements/Day Acceleration*:

*Please indicate unit of measurement for each value.

3. Environmental Information
Heat Exposure: ☐Weld Spatter ☐Hot Chips/Swarf ☐High Ambient Temperature (specify in "Operation Information")
Abrasion Exposure: ☐Metal Chips/Swarf ☐Wood Chips/Shavings ☐Light Particles/Dust ☐Other
Chemical or Liquid Exposure: ☐Water ☐Moisture ☐Salt or Sea Spray ☐Petroleum/Hydrocarbons ☐Oils (non-petroleum)
☐Hydraulic Fluid (petroleum-based) ☐Hydraulic Fluid (phosphate ester-based)
☐Acid ☐Coolant ☐Cutting Fluid
☐Other (specify)
Contaminant Exposure Level: ☐Minimal ☐Occasional ☐Heavy
Miscellaneous: ☐UV/Ozone ☐Outdoors ☐Food-Grade/FDA ☐Laser Beam ☐Clean Room ☐Other (specify)
Regulatory Compliance: Standard ☐Bellows must be fire retardant (list standard to the left)
Application Notes:

4. Extended/Retracted/Travel Requirements
Specify extended and retracted length requirements, or indicate travel and we will advise retracted length. (Extended length = retracted length + travel distance)
Dimensions specified in: ☐in ☐mm
(A) Extended Length:
(B) Retracted Length:
(C) Travel Distance:

Phone: 262-786-1500 or 800-298-2066 | Fax: 262-786-3280 | Email: sales@dynatect.com | www.dynatect.com

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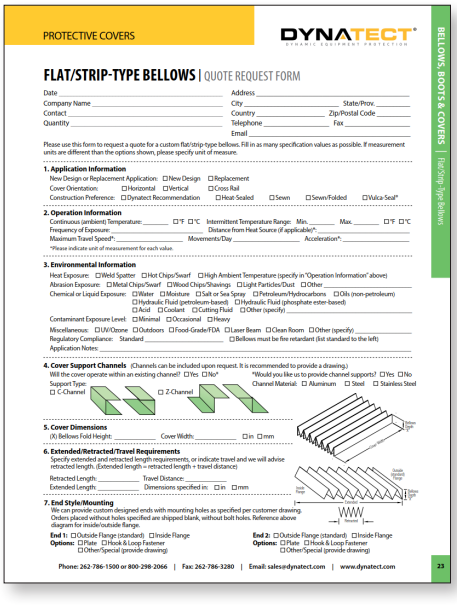
PROTECTIVE COVERS

DYNATECT

FLAT/STRIP-TYPE BELLOWS | QUOTE REQUEST FORM

BELLOWS, BOOTS & COVERS | Flat/Strip-Type Bellows

Date
Company Name
Contact
Quantity
Address
City
State/Prov.
Country
Zip/Postal Code
Telephone
Fax
Email

Please use this form to request a quote for a custom flat/strip-type bellows. Fill in as many specification values as possible. If measurement units are different than the options shown, please specify unit of measure.

1. Application Information
New Design or Replacement Application: ☐New Design ☐Replacement
Cover Orientation: ☐Horizontal ☐Vertical ☐Cross Rail
Construction Preference: ☐Dynatect Recommendation ☐Heat-Sealed ☐Sewn ☐Sewn/Folded ☐Vulca-Seal®

2. Operation Information
Continuous (ambient) Temperature: ☐°F ☐°C Intermittent Temperature Range: Min. Max. ☐°F ☐°C
Frequency of Exposure: Distance From Heat Source (if applicable)*:
Maximum Travel Speed*: Movements/Day Acceleration*:
*Please indicate unit of measurement for each value.

3. Environmental Information
Heat Exposure: ☐Weld Spatter ☐Hot Chips/Swarf ☐High Ambient Temperature (specify in "Operation Information" above)
Abrasion Exposure: ☐Metal Chips/Swarf ☐Wood Chips/Shavings ☐Light Particles/Dust ☐Other
Chemical or Liquid Exposure: ☐Water ☐Moisture ☐Salt or Sea Spray ☐Petroleum/Hydrocarbons ☐Oils (non-petroleum)
☐Hydraulic Fluid (petroleum-based) ☐Hydraulic Fluid (phosphate ester-based)
☐Acid ☐Coolant ☐Cutting Fluid ☐Other (specify)
Contaminant Exposure Level: ☐Minimal ☐Occasional ☐Heavy
Miscellaneous: ☐UV/Ozone ☐Outdoors ☐Food-Grade/FDA ☐Laser Beam ☐Clean Room ☐Other (specify)
Regulatory Compliance: Standard ☐Bellows must be fire retardant (list standard to the left)
Application Notes:

4. Cover Support Channels (Channels can be included upon request. It is recommended to provide a drawing.)
Will the cover operate within an existing channel? ☐Yes ☐No* *Would you like us to provide channel supports? ☐Yes ☐No
Support Type: ☐C-Channel ☐Z-Channel Channel Material: ☐Aluminum ☐Steel ☐Stainless Steel

5. Cover Dimensions
(X) Bellows Fold Height: Cover Width: ☐in ☐mm

6. Extended/Retracted/Travel Requirements
Specify extended and retracted length requirements, or indicate travel and we will advise retracted length. (Extended length = retracted length + travel distance)
Retracted Length: Travel Distance:
Extended Length: Dimensions specified in: ☐in ☐mm

7. End Style/Mounting
We can provide custom designed ends with mounting holes as specified per customer drawing. Orders placed without holes specified are shipped blank, without bolt holes. Reference above diagram for inside/outside flange.
End 1: ☐Outside Flange (standard) ☐Inside Flange
Options: ☐Plate ☐Hook & Loop Fastener ☐Other/Special (provide drawing)
End 2: ☐Outside Flange (standard) ☐Inside Flange
Options: ☐Plate ☐Hook & Loop Fastener ☐Other/Special (provide drawing)

Phone: 262-786-1500 or 800-298-2066 | Fax: 262-786-3280 | Email: sales@dynatect.com | www.dynatect.com

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