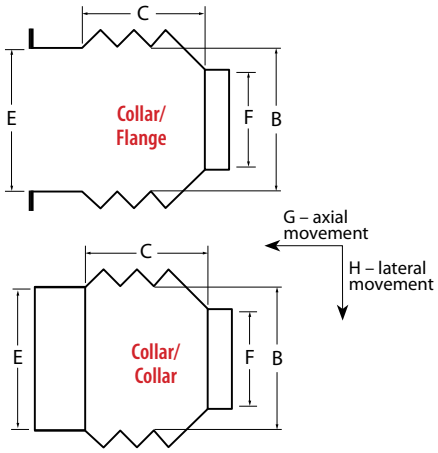
DYNATECT®
DYNAMIC EQUIPMENT PROTECTION

PIPING PENETRATION SEAL | BOOTS/BELLOWS

DESIGNED FOR POWER PLANTS, REFINERIES AND CHEMICAL PLANTS

Gortiseal™ piping penetration seals provide a flexible and safe method of sealing process piping. They have been effectively used in nuclear and conventional power plants, refineries, and chemical plants. Manufactured of durable, elastomer-coated fabrics, these seals allow lateral and axial movement of pipes up to several inches. Both bellows type and cone shaped seals have a built-in zipper that permits easy installation after piping has been installed. Zippered units have an air flap seal which overlaps the zipper and may be sealed with silicone for additional sealing. Non-zippered design can be provided upon request.

BELLOWS TYPE SEALS



Features/Benefits:

- Fire-tested per ASTM E-119-73 in accordance with American Nuclear Insurers (ANI) Standards
- Designs to allow lateral and axial movement
- Zippered for easy installation
- Available for any size pipe and sleeve size (made to spec.)
- Excellent UV, ozone, and weathering resistance

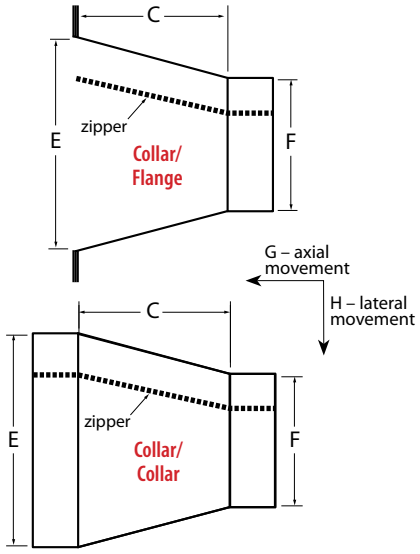
Materials and Options:

- Goralon/nylon (general temperature range: -40° to 240° F)
- Silicone/fiberglass (general temperature range: -70° to 450° F)
- Mounting clamps: stainless steel worm gear type
- Zipper: brass teeth on nylon backing tape (non-zippered design can be provided upon request)

Uses / Applications:

- Maintains pressure differentials between rooms
- Prevents water and air leakage through wall, floor, and roof openings
- Power plants, refineries, chemical plants

CONE TYPE SEALS



HOW TO SPECIFY (Please specify in inches)

Type: ☐ Bellows ☐Cone ☐ Bellows Cone
# of Peaks _____ # of Peaks _____
Collar Taper A:_____to E:_____

B – Bellows I.D. _____

C – Installed / Cone Length (typically 5-6") _____

D – Length of Collar Taper (for bellows cone type) _____

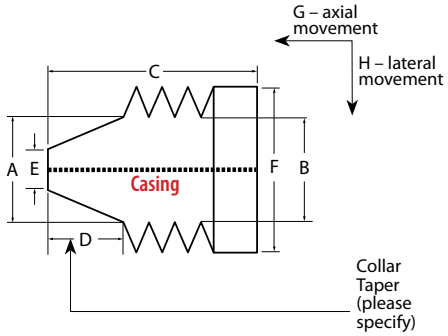
E – Sleeve O.D. or Hole Dia. (wall end) _____

F – Pipe or Insulation O.D. _____

G – Axial Movement _____

H – Lateral Movement _____

BELLOWS CONE TYPE SEALS



Note: Seal dimensions provided by Dynatect based on your inputs.

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Gortiseal Piping Penetration Seals | Quote Request (RFQ)

Order Number: _____ Quote Only: _____

Specified By: _____

Quote To/Name: _____

Company: _____

Address: _____

City, State, Zip/Postal: _____

Country: _____

Phone: _____

Email: _____

Fax (optional): _____

Specify Dimensions of up to 5 unique parts:

-*Dimensions A, B, C, D1, D2, D3, E1, E2 provided by Dynatect. Specify only if providing dimensions for exact replacement.
- F, G & H are required for new designs
- Note: Standard installed length (C) is typically 6”

Customer Part	Qty.	*A – Bellows I.D. (Inner Dia.)	*B – Bellows O.D. (Outer Dia.)	*C – Installed or Ext. Length	*D1 – Collar I.D (pipe/smaller end)	Type (Bellows or Cone)
1.						
2.						
3.						
4.						
5.						

Customer Part	Ends Type (collar/collar or collar/flange)	*D2 – Collar I.D (sleeve/larger end)	*D3 – Flange Dia.	*E1 – Collar Length (sleeve/wall end)	*E2 – Collar Length (pipe end)
1. (same as above)					
2. (same as above)					
3. (same as above)					
4. (same as above)					
5. (same as above)					

Customer Part	F – Pipe O.D. or Pipe with Insulation O.D.	G – Axial Movement	H – Lateral Movement	Clamps?	Zipper?	Flange Back-Up Ring/Plate?
1. (same as above)				☐	☐	☐
2. (same as above)				☐	☐	☐
3. (same as above)				☐	☐	☐
4. (same as above)				☐	☐	☐
5. (same as above)				☐	☐	☐

Customer Part	Remarks
1. (same as above)	
2. (same as above)	
3. (same as above)	
4. (same as above)	
5. (same as above)	

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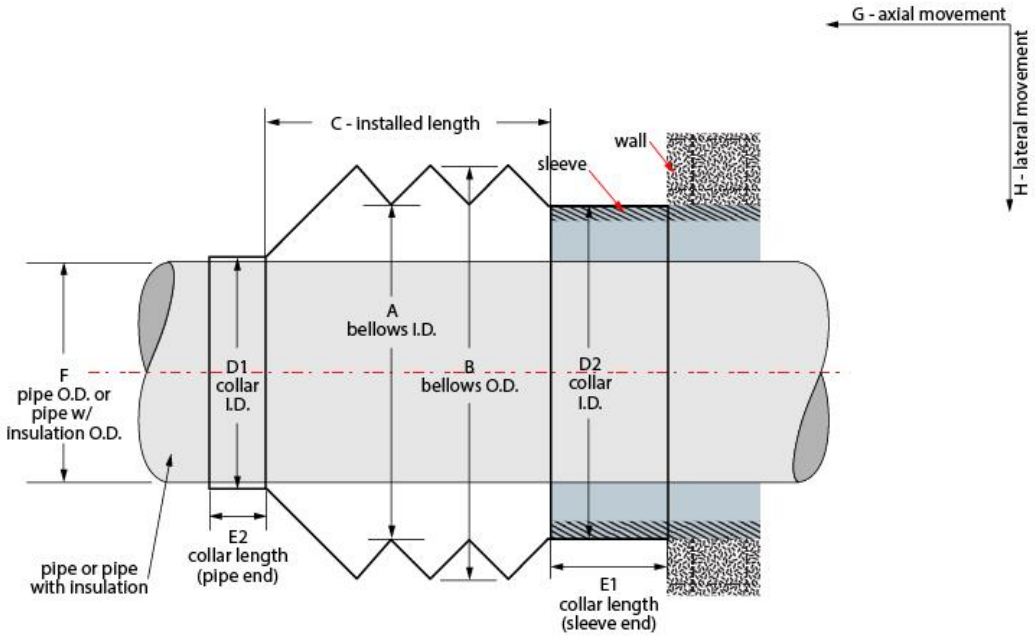
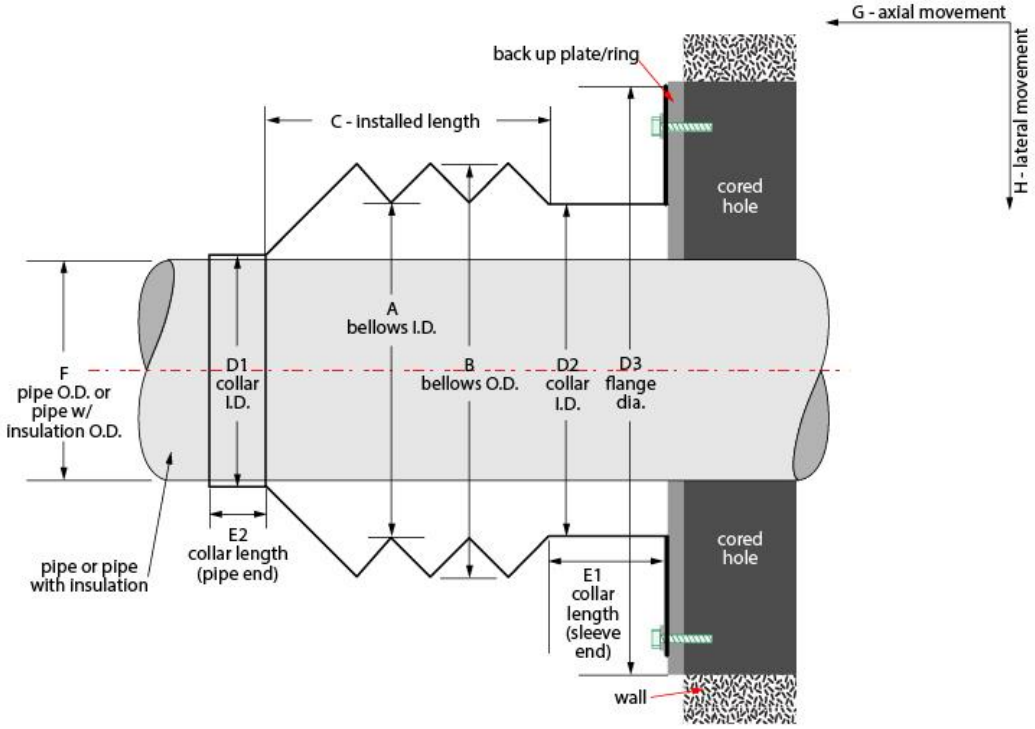
Bellows Type Seal - Collar/Collar



Bellows Type Seal - Collar/Flange



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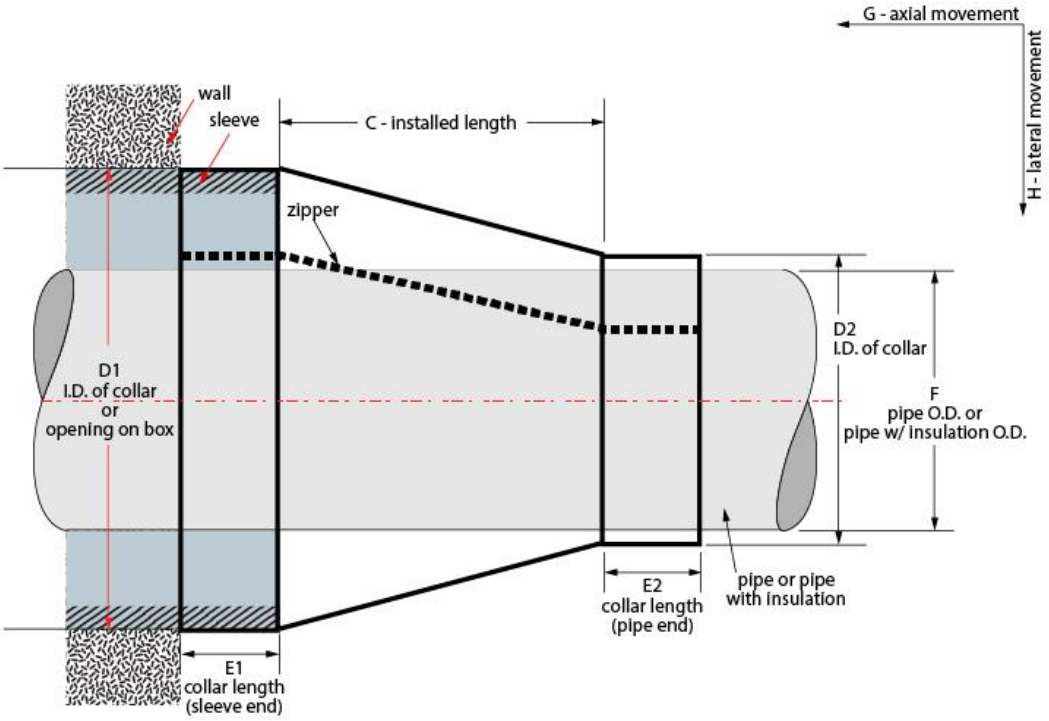
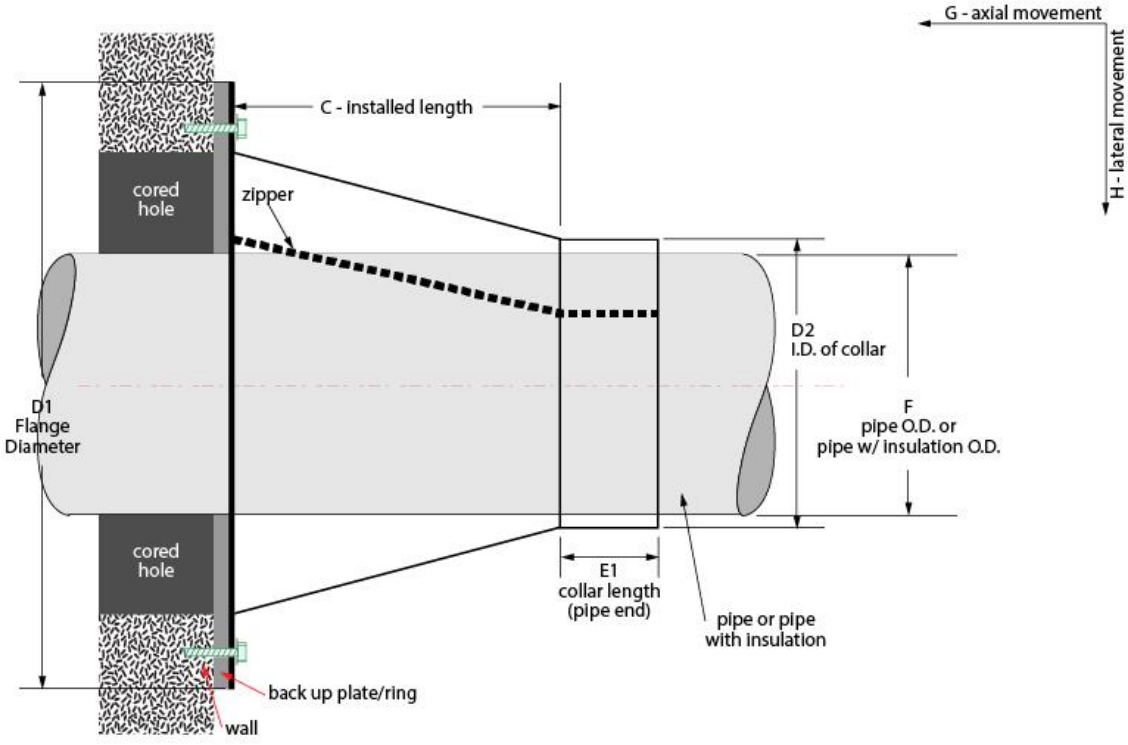
Cone Type Seal - Collar/Collar



Cone Type Seal - Collar/Flange