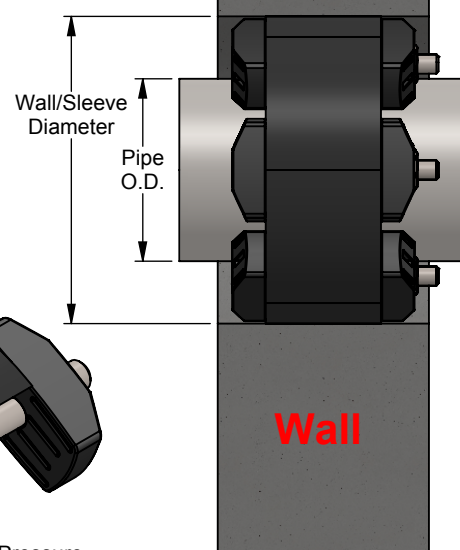
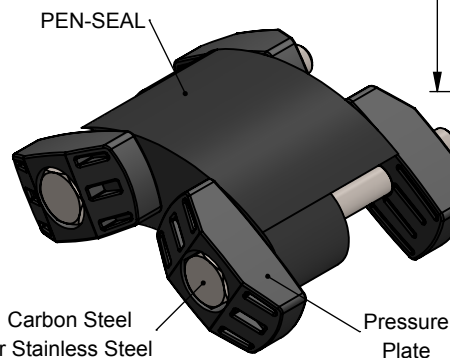
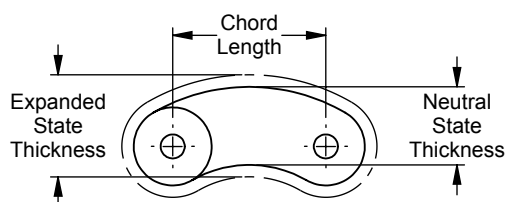


## SEALING RANGE

Selected	Size	Neutral State Thickness (Inches)	Exoanded State Thickness (Inches)	Chord Length (Inches)
	200	0.5	0.62	1.125
	275	0.62	0.8	0.91
	300	0.71	0.92	1.51
	315	0.82	1.1	1.47
	325	0.94	1.14	3.1
	340	1.05	1.33	1.57
	360	1.29	1.65	2.106
	400	1.43	1.87	3.625
	410	1.48	1.91	2.6
	425	1.13	1.43	3.625
	475	1.62	2.08	2.625
	500	2.37	2.81	3.86
	525	2.18	2.58	3.86
	575	1.88	2.35	3.1
	600	3.2	4.0	6.0



QTY.	Nominal Pipe Size (Inches)	Type of Pipe	Pipe O.D.	Inner Pipe Through a Core Drilled Hole			Inner Pipe Through a Wall Sleeve			Notes
				Hole Diameter (Inches)	PEN-Seal Model Number	Required No. of Links	Sleeve I.D. (Inches)	PEN-Seal Model Number	Required No. of Links	

## AVAILABLE MATERIALS

Selected	TYPE	SEAL MATERIAL	PRESSURE PLATES	BOLTS AND NUTS	TEMPERATURE RANGE
					°F
	E	EPDM BLACK	Glass Reinforced Plastic	Carbon Steel, Zinc Dichromate	-40° to 250°
	ES	EPDM BLACK	Glass Reinforced Plastic	316 Stainless Steel	-40° to 250°
	P	NITRILE	Glass Reinforced Plastic	Carbon Steel, Zinc Dichromate	-40° to 210°
	PS	NITRILE	Glass Reinforced Plastic	316 Stainless Steel	-40° to 215°
	K	SILICONE	Carbon Steel, Zinc Dichromate	Carbon Steel, Zinc Dichromate	-40° to 400°

## Notes:

- Proco Products, Inc. PEN-SEAL is designed to form a hydrostatic seal of up to 20 psig and up to 40 feet of head. The PENSEAL, in addition to its sealing properties, helps absorb vibrations, shocks, and sound waves. It also insulates the inner pipe from all other outer structures, including outer pipe sleeves, pipeline casings, walls and tanks.
- The Model Number is "PS - Size & Material Type", for example if style "200" is required with "E" material type (EPDM) then the model number is "PS-200E"

## PEN-Seal: Pipe Penetration Seal

**PROCO**  
PROCO PRODUCTS, INC.

*The Expansion Joint  
and  
Check Valve People*

ADDRESS: 2431 WIGWAM DRIVE, STOCKTON, CA 95205 USA  
PHONE: 209-943-6088, FAX: 209-943-0242,  
WWW.PROCOPRODUCTS.COM

## PROJECT NOTES:

## PROJECT NAME:

## CUSTOMER:

SIZE	SCALE	DRAWING No.	SHEET
A	NTS		1 OF 1

## **PEN-SEAL INSTALLATION INSTRUCTIONS**

1. Pipe must be independently supported through the penetration and centered.
2. Properly select the size of the PEN-SEAL required to seal the penetration using the Sizing Charts.
3. Wrap the PEN-SEAL around the pipe and connect the ends by slipping the bolt through the holes. Be sure that all bolt heads are facing out and accessible.
4. Slide the PEN-SEAL into position. Pre-tighten the seals slightly if necessary.
5. Beginning at the 12:00 O'clock position, gradually tighten each bolt/pressure plate about 2-3 turns in a clockwise fashion (do not cross-tighten bolts).  
Continue in this fashion until a proper seal is formed.  
A socket or offset wrench for 5/16, 1/2, 3/8, 9/16, 3/4 or 1-13/16" bolts will handle all installations

