Casing Spacers with rollers - see page 7

Casing Spacers with field changeable risers/runners - see page 5
Stainless Steel Band Casing Spacers Model SSI

Band and Risers
Band - 14 Gauge, T-304 Stainless Steel Width: 8” & 12”
Riser - 10 Gauge T-304 Stainless Steel

Liner
PVC
Dielectric Strength - 60,000
VPM Thickness - .090” +/- .010”
Hardness - 80 Duro +/- 5
EPDM
3,000 VPM
Thickness - .090” (2.29mm)
min. Hardness - Durometer“A” 85-90
Dielectric Strength - {1/8” (3.18 mm) thick}
50,000 VPM
Water Absorption - 1% max.
Overlaps Edges

Bolts, Nuts and Washers
Up to nominal OD of 16” – T-304 Stainless Steel –
1/4” – 20UNC x 2” long bolts
3/8” hex nuts
3/8” washers SAE 2330
Above nominal OD of 16” – T-304 Stainless Steel – 5/16”
- 18UNC x 2” long bolts
5/16” hex nuts
5/16” washers SAE 2330

Runners/risers
1” or 2” wide glass filled polymer plastic

Sizes of Runners/risers available:
Length - 7” & 11” (17.8, 27.9 cm)
Effective Heights for 7” Length - 1”, 1 1/2”, 2”, 2 1/2”, 3”, 3 1/2”, 4”, 4 1/2”, 5”, 5 1/2” and 6”
Effective Heights for 11” Length - 1”, 1 1/2”

Runner Material Specifications:
Rockwell Hardness (M) - (ASTM D785) - 101
Tensile Strength - (STM D638) - 27,000 psi
Flexural Strength - (ASTM D790) - 40,000 psi
Deflection Temp. @ 264 psi - (ASTM D648) - 478 °F (248 °C)
Deformation Under Load @ 72 °F (22 °C) - 3500 lb.
Load, - (ASTM D648) - 1%

Welding
All risers are welded to the band by MIG welding.
Stainless steel welds are fully passiv

Heavy duty two-piece stainless steel bands serve practically every piping application and should be utilized inside casing that is 2 or 3 sizes larger than the carrier pipe. APS stainless steel band casing spacers are available in two models: the SS18 model, which is 8” in width and recommended for carrier pipe 4” to 24”; and the model, which is 12” in width and is recommended for pipe 26” to 120” and larger. Stainless steel band spacers are recommended for every 6 to 8 feet of pipeline.
For larger diameter pipelines and bell and spigot applications, APS spacers are available with runners/risers to provide an extra margin of safety. The bands are constructed of 14 gauge stainless steel with a 0.090” EPDM liner.
**New Field-Changeable Risers/Runners For Casing Spacers**

APS has recently developed Field-Changeable Risers/Runners for Casing Spacers with 8” wide bands.

**Facts & Advantages:**

- Field-changeable
- Used for easy grade and elevation adjustment of gravity sewer lines
- Lend the ability to stock in-house decreasing inventory up to 75%
- Stockable spacers will include 10-12 bands up to 24”
- Risers/Runners size from 1” to 6” in 1/2” increments (see pages 3 and 4 for list of all riser/runner sizes)

*Patented*
Types of APS Clusters:
- For Multiple Pipe Clusters
- For Conduit Pipes
- For Cables

We have supplied spacers for as many as 24 carrier pipes in one casing.
APS manufactures full conical shaped end seals in the seamless pull-on, wrap-around, molded, zipper and cluster styles. All five are made of 1/8" thick synthetic rubber assuring excellent chemical resistance and resiliency and can accommodate any combination of pipe sizes. These products outperform the costly and labor intensive brick and mortar method of sealing casing ends. While soil stress and pipe movement cause mortar to crack, the APS end seals move with the pipe insuring the integrity of your seal.

The model AC and AM end seals can easily be installed at the time of construction. Models AC, AW and AZ can be produced in concentric (for centered carrier pipes) and eccentric (for non-centered pipes). The model AW wrap-around end seals are designed to facilitate installation when the carrier line has already been installed and the pull is complete. Simply wrap around the carrier and casing, remove the release liner from the two pressure sensitive butyl mastic strips and press the adhesive strips down to form a seal.

Model AZ, zipper type end seal, is designed for use on new construction and on existing casings that require modifications or extension. Stainless steel zippers are pressure molded to the rubber and feature a protective rubber strip attached to the seal under the zipper to prevent damage or abrasion to the pipe. They are also easy to install. The seal wraps around the casing end and carrier pipe and zips shut to provide a tight seal while still allowing for pipe movement.

Model APC, cluster end seals, are now available for multi-carrier installations. Contact customer service for more information.

All five types of APS End Seals are secured with T-304 stainless steel banding straps with a 100% non-magnetic worm gear mechanism to insure the integrity of the clamp. Only a screwdriver is needed for installation.

In addition, Innerlynx form a mechanical seal between pipelines and casing. Innerlynx form a hydrostatic seal and electrically isolate the carrier pipe from the casing. Innerlynx can be installed by one person and require no special tools.
How to Order

Please Indicate the Following:
- Project Reference and Location

Metal Insulators
- Model number: SI (steel) or SSI (stainless steel)
- Carrier Pipe O.D. Including Coating Thickness
- O.D. of Bell or Mechanical Joint
- Casing O.D.
- Casing Wall Thickness
- Type or Size of Runner
- Configuration: Clear Bell, Centered, Centered and restrained, or Non-centered and restrained

Plastic Insulators
- Carrier Pipe O.D. Including Coating Thickness
- O.D. of Bell or Mechanical Joint
- Casing O.D.
- Casing Wall Thickness
- Configuration: Clear Bell, Centered, Centered and restrained, or Non-centered and restrained

End Seals
- Model: AC (pull-on), AW (wrap-around), AZ (zipper), AM (molded)
- Carrier Pipe O.D. Including Coating Thickness
- Casing O.D.
- Configuration: Centered or Non-centered

Other Quality Products Available:
- Standard Isolating Gasket Kits
- Kleerband® Flange Band Protectors
- Radolid® Bolt and Nut Protection Caps
- UBolt-Cote® and Atlas® Pipe Support Pads
- Duocon Centralizers
- Foreman Nite Caps - temporary pipe plugs
- ISOJOINT® - Monolithic Isolating Joint
- Safety Spray Shields
- Innerlynx® - Modular Mechanical Seals
- Gal-vo-plast® Coated Wall Sleeves

Note: Please contact your distributor or the factory for prices.

Distributed By

CANADA PIPELINE ACCESSORIES (1986) CORP.

Advance Products & Systems, Inc. is not responsible for errors printed in this brochure.

Advance Products & Systems, Inc. shall repair or replace (within the limitations of such applicable express written warranty as may be issued by it) any product or portions thereof, which prove to be defective in workmanship or material for a period of 12 months from shipment date. The foregoing in lieu of all warranties, express or implied, and all other obligations or liabilities on the part of APS, on account of the product which it may sell. In no event shall APS be liable for consequential or special damages: nor except as it may otherwise specifically agree in writing, installation, or other work which may be done upon or in connection with the product by APS/ the distribution / dealer or others. THE LIMITED WARRANTIES PROVIDED IN THIS AGREEMENT AND THE OBLIGATIONS AND LIABILITIES OF APS ARE THE ONLY WARRANTIES MADE BY APS AS TO THE PRODUCT. APS MAKES NO EXPRESS OR OTHER IMPLIED WARRANTIES, BY COURSE OF DEALING, USAGE OF TRADE, MERCHANTABILITY, FITNESS FOR A PARTICULAR USE (WHETHER GENERAL OR SPECIFIC), OR OTHERWISE.