

# Canusa Casing End Seal — CSK

## Features:

- Fast, reliable installation
- No special tools or training required
- Broad range of product sizes

## Description:

The Canusa Casing End Seal Kit (CSK) is a high expansion heat shrinkable wraparound sleeve specifically designed to provide a waterproof seal on pipeline casings. The sleeve consists of an irradiation cross-linked high expansion polyolefin backing coated with an aggressive adhesive.

Canusa CSK adhesive is compatible with commonly used pipeline coatings including polyethylene, epoxy, tape, and coal tar coatings.

## Application:

The Canusa CSK product is designed from backing materials which provide high electrical resistivity, resistance to corrosive environments, low water absorption, low moisture permeability. The special adhesive is engineered to provide an effective bond to steel as well as to common pipeline coatings.

## Advantages:

- Canusa CSK sleeves can be quickly and safely applied with minimal training required for field personnel.
- Available in sizes to fit numerous combinations of carrier pipe and casing sizes.
- High-expansion stretch and recovery characteristics of sleeve permit use of CSK product on carrier pipe products which are not centered in the casing.
- Snap-fit closure mechanism allows for simple and fast assembly without special tools.
- Built-in temperature indicator dispersed throughout backing changes from yellow to orange as the proper temperature is reached, thereby simplifying the installation and eliminating guess-work by the installer.



## Canusa Sizing Chart

CSK Product Designation*	Expanded Sleeve I.D. (In.)	Recommended for Casing/Carrier Sizes
320/130-860	12.6	10x8; 10x6; 8x6
370/150-860	14.5	12x10; 12x8; 12x6
450/180-860	17.5	16x12; 16x10; 16x8
500/200-860	19.5	18x16; 18x14; 18x12
550/220-860	21.5	20x18; 20x16; 20x14
600/240-860	23.6	22x20; 22x18; 22x16
650/260-860	25.5	24x22; 24x20; 24x18
850/340-860	33.5	32x30; 32x28; 32x26
950/385-860	38.0	36x34; 36x32; 36x30
1100/445-860	43.8	42x40; 42x38; 42x36
1250/510-860	50.0	48x42; 48x36; 48x32

\*Other sizes can be ordered for non-standard applications.

Standard sleeve width is 34" (860 mm)  
Sleeves can be made in 21" (530 mm)

Product Property Data:	Test Method	Unit	Value
Tensile Strength	ASTM D-638	PSI	2600 min.
Tensile Elongation	ASTM D-638	%	500 min.
Hardness	ASTM D-2240	Shore D	44
Impact Resistance	ASTM G-14	Nm	12 min.
Water Vapor Transmission	ASTM E-96	g/24hr/100 sq. in.	0.02
Water Absorption	ASTM D-570	%	0.1 max.
Volume Resistivity	ASTM D-257	ohm-cm	10 <sup>18</sup> min.
Dielectric Strength	ASTM D-149	KV/mm	20 min.
Low Temperature Flexibility	ASTM D-2671-C	Degrees C	-20"



### CANUSA END SEAL KIT (CSK)

**USES** - Canusa End Seal is used to seal the annular space between a carrier pipe and a casing pipe.

**DESCRIPTION**- Canusa End Seal is a heavy duty crosslinked (200% stretched) polyolefin sheeting with a laminated layer of anti-corrosion adhesive which bonds to the casing pipe and the coated carrier pipe to prevent water migration. The sleeves are available in 20" and 34" widths in various lengths for all pipe diameters.

#### ADVANTAGES:

1. Excellent bond to steel and mill coatings.
2. Highly resistant to soil stress & penetration.
3. Fits multiple sizes of pipes.
4. Easy to install.
5. Non-toxic and safe to use.
6. High expansion stretch & recovery characteristics permit use of sleeve even when carrier pipe is not centered in casing.

#### KIT CONTENTS

- 1 - CSK Sleeve
- 2 - Support Skirting
- 3 - Closure Seal, CLS
- 4 - Filament Tape



Support Skirting



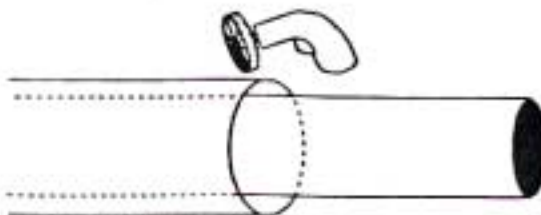
CLS

Tape

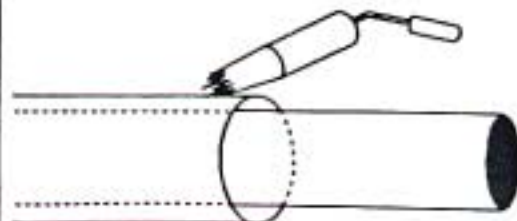


#### APPLICATION INSTRUCTIONS

**STEP 1** - Clean all around the pipe and casing for a distance of 12" (for 20" wide sleeves) or 18" (for 34" wide sleeves) in each direction from the end of the casing. Using a power wire brush or abrasive blast, remove all oil, rust, grease, dirt and foreign matter. Wipe the surface with a clean, dry rag to remove any dust.



**STEP 2** - Heat all surfaces of bare steel to be covered to 140 degrees F.. Lightly apply heat to mill coated surfaces of carrier pipe until surface is warm to the touch. Do not overheat and damage the coating.



INSTRUCTIONS  
COMPLETED ON BACK SIDE