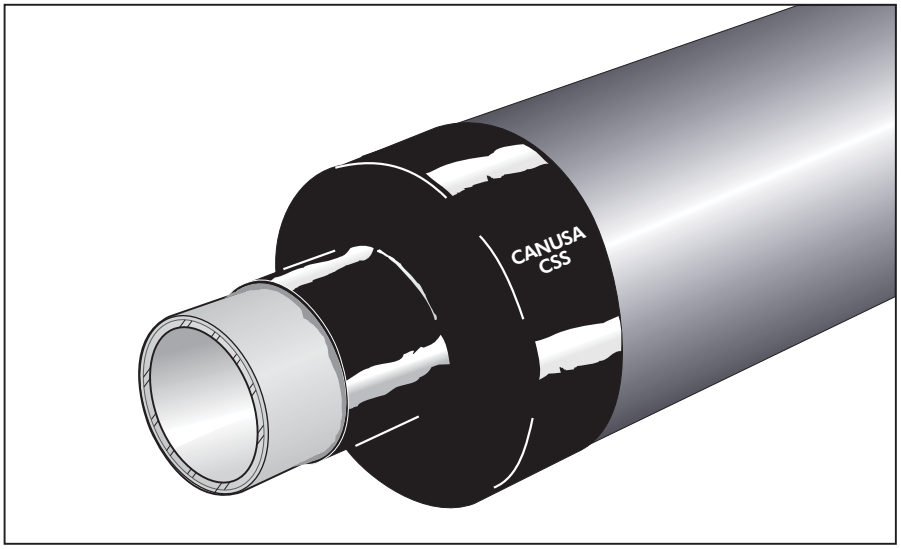
Canusa SuperStop - CSS

End cap to seal pre-insulated pipe ends



Canusa-CPS is a leading manufacturer of specialty pipeline coatings which, for over 30 years, have been used for sealing and corrosion protection of pipeline joints and other substrates. Canusa high performance products are manufactured to the highest quality standards and are available in a number of configurations to accommodate your specific project applications.

Product Description

The Canusa SuperStop - CSS is a heat shrinkable, end cap for pre-insulated pipes (example: district heating pipes). The CSS is made from a specially formulated crosslinked polymer combined with a high temperature adhesive providing a high quality, reliable system for the sealing protection of pre-insulated pipes.

Features & Benefits

Watertight Seal

The Canusa SuperStop - CSS is designed to provide a watertight seal and prevent water access to the exposed insulation at the weld joint area. Upon application of heat, the CSS shrinks to conform to the profile of the insulated pipe, while the adhesive simultaneously "melts" to bond to the jacket casing and the service pipe. To ensure overall protection of the insulating foam, CSS should be used on both pipe ends.

Insulation Protection

The Canusa SuperStop - CSS can be factory-installed on the pre-insulated pipe. Once installed, the CSS protects the insulation during transportation and storage. During service, the CSS prevents water ingress into the insulation in the event of leakage at the joint. If there is a leakage within a pipe length, the CSS limits the insulation degradation to one pipe length. This can greatly reduce repair costs.

Large Size Range

The Canusa SuperStop - CSS is available in a full range of sizes to fit most pipe/casing combinations. Since the CSS is heat shrinkable, one size can be used to cover several casing pipe/service pipe combinations.

Easy Installation

The Canusa SuperStop - CSS is quick and easy to install. Upon application of heat the product quickly conforms to cover the pipe ends. The CSS comes with pre-applied adhesive which reduces the installation time.

Applications

- Pre-Insulated Pipes
- Oil & Gas
- Water Pipelines
- End Seal
- High Temp

Configurations

- Moulded Shape
- High Shrink

Pipe Sizes

NEW SIZE

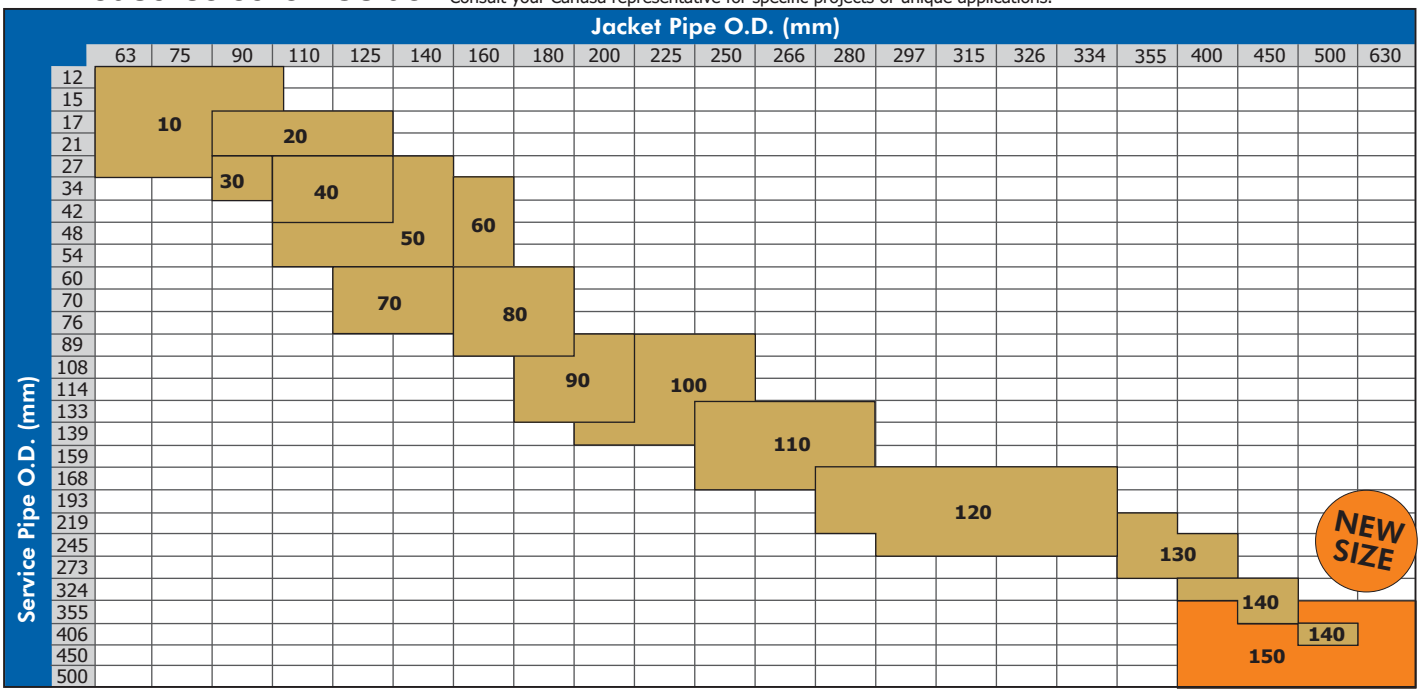
PE 63 - PE 630

Temperature Range

up to 135°C (275°F)

Product Selection Guide

The product selection guide shown below is intended as a guide for standard products. Consult your Canusa representative for specific projects or unique applications.



Typical Product Properties

Sealant

	Test Standard	Unit	Typical Result
Peel Strength @ 23°C 100mm/min	DIN 30672	N/cm	14
Lap Shear Strength @ 23°C 10mm/min	DIN 30672	N/cm²	17

End Cap

	Test Standard	Unit	Typical Result
Tensile Strength @ 23°C, 50mm/min	ASTM D638	MPa	22
Tensile Elongation @ 23°C, 50mm/min	ASTM D638	%	450
Thermal Aging - Elongation @ 150°C, 7 days	ASTM D638	%	375
Low Temperature Flexibility 25mm mandrel	ASTM D3111	°C	-70
Water Absorption @ 23°C, 24 hours	ASTM D570	%	< 0.10

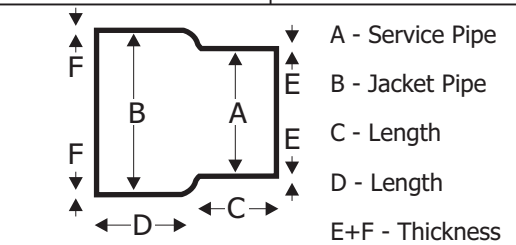
How to Order

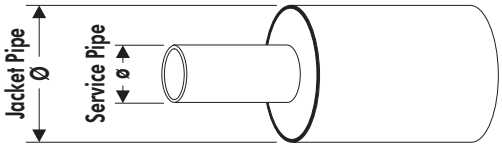
Ordering & Dimensional Info

CSS-XX

- **Size** ▸ see product selection guide
- **Product Designation** ▸ **CSS-** Canusa SuperStop

Standard Options





CSS Size (mm)	Supplied A (mm)	Supplied B (mm)	Recovered A (mm)	Recovered B (mm)	Length C (mm)	Length D (mm)	Thickness E (mm)	Thickness F (mm)	Adhesive Width (mm)
10	30	105	10	47	40	80	2.5	2.5	30
20	30	140	15	75	50	75	2.5	2.5	30
30	40	105	24	75	40	75	2.5	2.5	30
40	55	135	24	75	40	75	2.5	2.5	30
50	60	148	24	75	40	75	2.5	2.5	30
60	60	175	30	135	50	85	2.5	2.5	30
70	90	150	40	90	55	75	2.5	2.5	30
80	95	195	50	130	45	65	2.5	2.5	30
90	145	240	68	145	60	75	2.5	2.5	30
100	150	270	68	145	60	75	2.5	2.5	30
110	180	295	120	220	40	100	2.5	2.5	30
120	255	360	120	220	40	100	2.5	2.5	30
130	280	420	200	340	40	100	2.5	2.5	30
140	415	540	200	340	40	100	2.5	2.5	30
150	530	650	260	360	55	85	2.5	2.5	30

All dimensions are nominal in mm

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