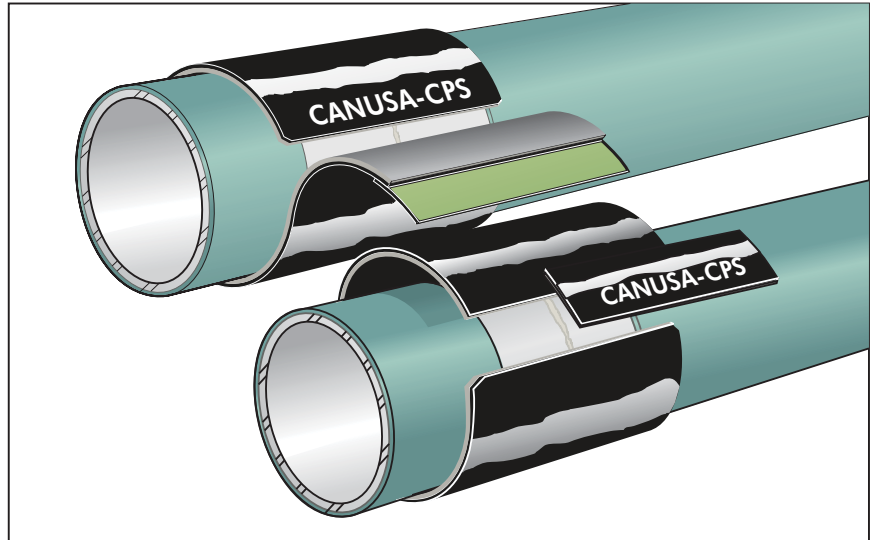


GTS-HT

Shrink sleeve for girth-weld protection of high operating temperature FBE coated pipelines.

For more than 35 years, Canusa-CPS has been a leading developer and manufacturer of specialty pipeline coatings for the sealing and corrosion protection of pipeline joints and other substrates. Canusa-CPS high performance products are manufactured to the highest quality standards and are available in a number of configurations to accommodate many specific project applications.



Product Description

The GTS-HT system provides superior corrosion protection and excellent bonding on FBE coated pipelines operating at temperatures up to 120°C (248°F) (actual rating may vary depending on local requirements).

Features & Benefits

GTS-HT sleeves consist of a thick cross-linked backing coated with a very high shear strength hot-melt adhesive. During installation the adhesive melts and flows, filling surface irregularities, and providing an excellent bond to metal and FBE coating.

Long Term Corrosion Protection

The adhesive/backing combination provides a protective coating with the structural integrity of a seamless tube. The result is effective, long term protection against corrosion.

Rapid and Reliable Installation

GTS-HT can be installed with common equipment, including a propane torch. On large pipes over 760mm (30"), an induction or infrared heater is recommended.

The required preheat is significantly lower than that required by other systems. The result is quicker installation, reduced labour costs, and higher production rates.

Tough, Durable System

GTS-HT provides superior durability against abrasion, impact, penetration, and chemical attack.

Flexible Installation

The GTS-HT closure has high shear strength adhesive inner layer. It is available in two configurations: attached to the sleeve or supplied separately.

Applications



Oil & Gas



High Temp



Girth-Weld Joints



Fusion Bond Epoxy

Configurations



Wrapid Sleeve™



CanusaWrap™



2-Layer



Standard Shrink

Pipe Sizes



55 - 1200 (2" - 48")

Temperature Range



up to 120°C (248°F)

GTS-HT

Joint Protection for High Temperature Pipelines

Product Selection Guide

Sleeve Operating Characteristics	Celsius	Fahrenheit	GTS-HT
	200°	392°	
180°	356°		
160°	320°		
140°	284°		
120°	248°		
100°	212°		
80°			
Pipeline Operating Temp.	°C (°F)		120 (248)
Preheat Temperature	°C (°F)		150 (302)
Resistance to Circumferential Forces			excellent
Resistance to Soil Stress			excellent
Resistance to Axial Pipe Movement			excellent
Main Line Coating Compatibility			FBE, 2LPE, 3LPE

The Product Selection Guide shown here is intended as a guide for standard products. Consult your Canusa representative for specific projects or unique applications. The following are typical values for the GTS-HT sleeve.

Typical Product Properties

Sleeve Adhesive	Test Standard	Unit	Typical	
Softening point	ASTM E28	°C (°F)	150 (302)	
Lap shear @ 23°C	ASTM D1002	N/cm ² (psi)	> 900 (1300)	
Aleyska Shear @ 120°C	TP-206	Movement	0 mm	
Backing	Specific gravity	ASTM D792	0.94	
	Tensile strength	ASTM D638	22 (3150)	
	Elongation	ASTM D638	500	
	Hardness	ASTM D2240	Shore D	55
	Volume Resistivity	ASTM D257	ohm-cm	2.5 x 10¹⁸
Sleeve	Dielectric Voltage Brkdown	ASTM D149	kV/mm (V/mil)	39 (990)
	Impact	ASTM G14	J (lb-in)	14 (127)
	Impact @ 120°C	DIN 30672	pass/fail	pass
	Penetration Resistance	ASTM G17	pass/fail	pass @ 12 kV
	Soil Stress Creep Resistance @ 120°C			pass
	Peel	ASTM D1000	N/cm (pli)	> 140 (80)
	Cathodic Disbondment @ 23°C	ASTM G8	mm rad	< 3
	Cathodic Disbondment @ 95°C	ASTM G42	mm rad	< 6
	Cathodic Disbondment @ 120°C	ASTM G42M	mm rad	< 10
	Low Temperature Flexibility	ASTM D2671-C	°C (°F)	-10 (14)
Fully Recovered Sleeve Thickness		mm (mils)	2.5 (98)	

How To Order:

Dimensions & Ordering Info	GTS-HT-B 300-30 BK		GTS-HT 915-450 BK	
	Ordering Options - GTS-HT	CanusaWrap™	Ordering Options - GTS-HT	Wrapid Sleeve™
Colour	BK-Black		BK-Black	
Bulk Roll Length	15m, 30m (50ft, 100ft)			
Bulk Roll Width	300, 450, 600, 900mm (12", 18", 24", 36")		Sleeve Width	300, 450, 600, 900mm (12", 18", 24", 36")
Adhesive Thickness (as supplied)	1.0 mm (0.040")		Pipe Size	55 - 1200mm (2" - 48")
Backing Thickness (as supplied)	0.6 mm (0.025")		Adhesive (thickness as supplied)	1.0 mm (0.040")
Configuration	B-Bulk Roll Format		Backing (thickness as supplied)	0.6 mm (0.025")
Ordering Example	GTS-HT Global Transmission Sleeve		Product Designation	GTS-HT Global Transmission Sleeve

The above represent standard ordering options. Consult your Canusa representative for any unique project requirements. Note: GTS-HT requires the use of CLH closures, when ordered in CanusaWrap configuration.