



CANUSA-CPS

A SHAWCOR COMPANY

Product Data Sheet

GTS-HT *Joint Protection for High Temperature Pipelines*

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

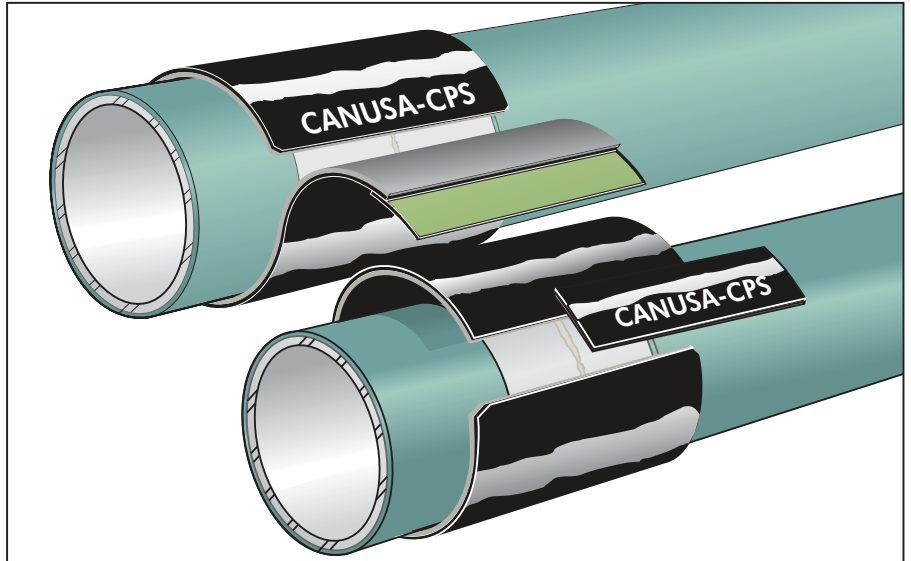
The GTS-HT system provides superior corrosion protection and excellent bonding on FBE coated pipelines operating at temperatures up to 120°C (248°F) (actual rating may vary depending on local requirements).

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.

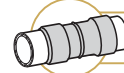
Applications



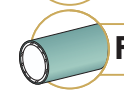
Oil & Gas



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)

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)	
	Preheat Temperature	°C (°F)	
			120 (248)
			150 (302)
			excellent
			excellent
			excellent
			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
	ASTM E28	°C (°F)	150 (302)
	ASTM D1002	N/cm ² (psi)	> 900 (1300)
Backing	TP-206	Movement	0 mm
	ASTM D792		0.94
	ASTM D638	MPa (psi)	22 (3150)
Sleeve	ASTM D638	%	500
	ASTM D2240	Shore D	55
	ASTM D257	ohm-cm	2.5 x 10 ¹⁸
Sleeve	ASTM D149	kV/mm (V/mil)	39 (990)
	ASTM G14	J (lb-In)	14 (127)
	DIN 30672	pass/fail	pass
Sleeve	ASTM G17	pass/fail	pass @ 12 kV
	ASTM D1000	N/cm (pli)	pass
	ASTM G8	mm rad	> 140 (80)
Sleeve	ASTM G42	mm rad	< 3
	ASTM G42M	mm rad	< 6
	ASTM D2671-C	°C (°F)	< 10
Sleeve		mm (mils)	-10 (14)
			2.5 (98)

How To Order:

Dimensions & Ordering Info	GTS-HT-B 300-30 BK			GTS-HT 915-450 BK		
	Ordering Options - GTS-HT			Ordering Options - GTS-HT		
	CanusaWrap™			Wrapid Sleeve™		
	BK-Black			BK-Black		
	15m, 30m (50ft, 100ft)			300, 450, 600, 900mm (12", 18", 24", 36")		
	300, 450, 600, 900mm (12", 18", 24", 36")			55 - 1200mm (2" - 48")		
	1.0 mm (0.040")			1.0 mm (0.040")		
	0.6 mm (0.025")			0.6 mm (0.025")		
	B-Bulk Roll Format			GTS-HT - Global Transmission Sleeve		
	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.