

GTS-65 (2-Layer)

Global Transmission Sleeve (Application Without Epoxy Primer)

Product Description



GTS-65 Global Transmission Sleeves are shipped pre-cut with a pre-attached closure. Bulk quantities are also available. The sleeve adhesive is protected from contamination by an inner liner.

Flame Intensity & Torch Size

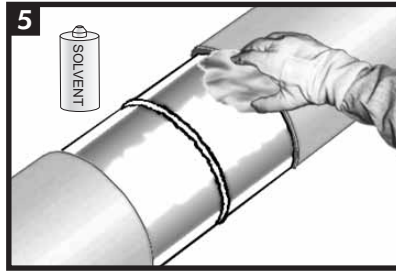
<p>4</p> <p>Pipe O.D. $\leq 450\text{mm}$ (18")</p> <p>Use moderate flame intensity for pre-heating and shrinking.</p>	<p>Pipe O.D. $> 450\text{mm}$ (18")</p> <p>Use moderate to high flame intensity for pre-heating and shrinking.</p>
<p>Minimum Torch Size: 150,000 BTU/hr.</p>	<p>Minimum Torch Size: 300,000 BTU/hr.</p>

Storage & Safety Guidelines



To ensure maximum performance, store Canusa products in a dry, ventilated area. Keep products sealed in original cartons and avoid exposure to direct sunlight, rain, snow, dust or other adverse environmental elements. Avoid prolonged storage at temperatures above 35°C (95°F) or below -20°C (-4°F). Product installation should be done in accordance with local health and safety regulations.

Surface Preparation

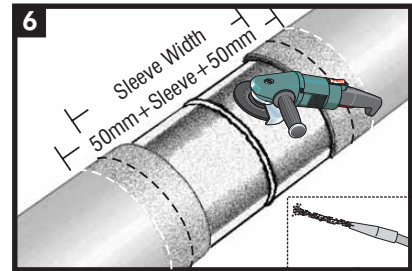


Ensure that the mainline coating edges are beveled to 30°. If there is the presence of oil, grease, or other surface contaminants; clean the exposed steel and adjacent pipe coating with a solvent cleanser.

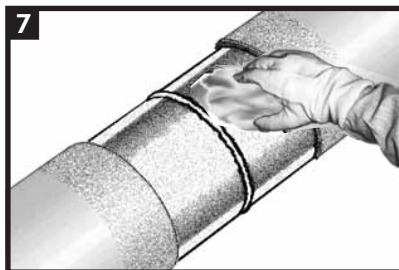
Equipment List



Propane tank, hose, torch & regulator
 Appropriate tools for surface abrasion
 Knife, roller, rags & Canusa approved solvent cleanser
 Digital thermometer with suitable probe
 Standard safety equipment: gloves, goggles, hard hat, etc.

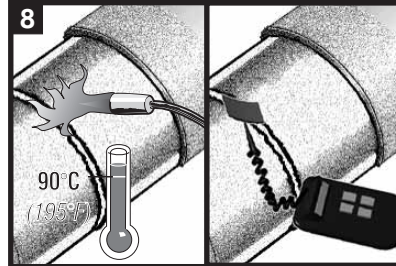


Ensure that the pipe is dry before cleaning. Using a power wire brush, abrade the pipe to a minimum of St3/SP3 (abrasive blast to Sa2.5/SP10 recommended). Lightly abrade the pipe coating adjacent to the cutback area to a distance of 50mm (2") beyond each end of the sleeve width.



Wipe clean or air blast the steel and coated areas to remove foreign materials.

Pre-Heat



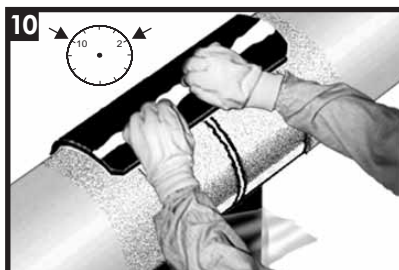
Pre-heat the joint area to 90°C +/- 5° (195°F +/- 10°) with the appropriate propane torch. Using a temperature measuring device, ensure that the correct temperature is reached on the steel and at least 50mm (2") on each side of the sleeve width. **Do not use an intense flame on the mainline coating.**

NOTE: USE WIND GUARDS DURING HEAVY WIND TO PROTECT THE FIELD JOINT FROM DEBRIS AND TO MAINTAIN EFFICIENT APPLICATION TIMES.

Sleeve Installation



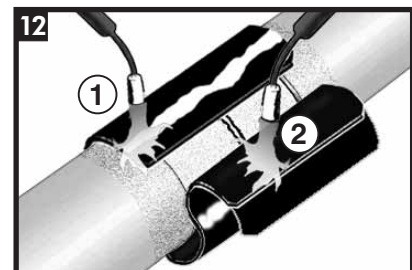
As an option, slightly trim corners of pre-attached closure. Partially remove the release liner and gently heat the underlap approximately 150 mm (6") from the edge.



Centre the sleeve over the joint so that the sleeve overlaps between the 10 and 2 o'clock positions. Press the underlap firmly into place.



Remove the remaining release liner.

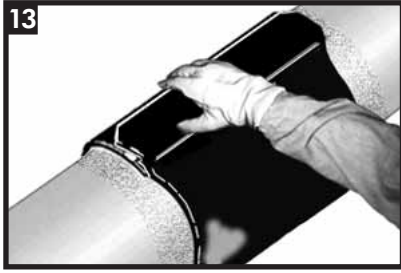


Wrap the sleeve loosely around the pipe, ensuring the appropriate overlap. Gently heat the backing of the underlap and the adhesive side of the overlap.

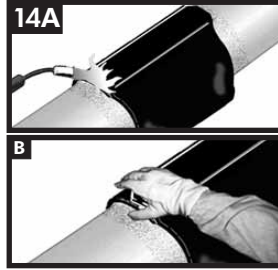
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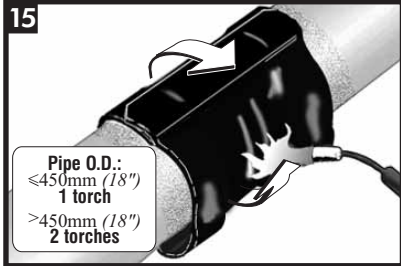
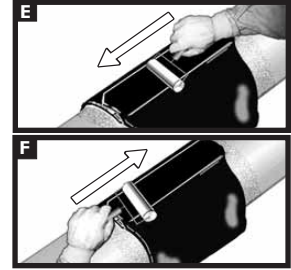
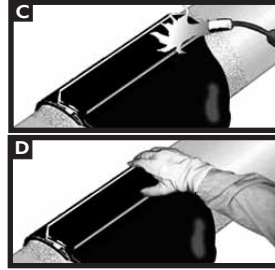
Sleeve Installation Cont'd



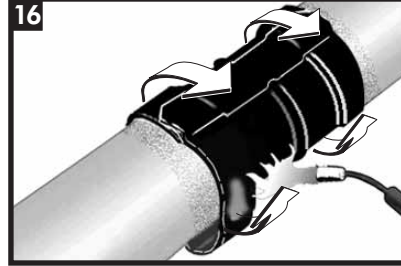
Press the closure firmly into place.



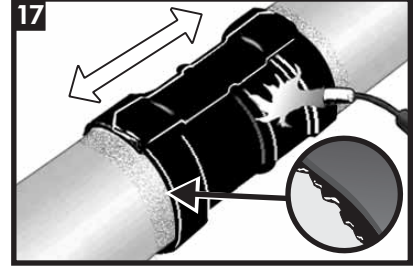
Gently heat the closure and pat it down with a gloved hand. Repeating this procedure, move from one side to the other. Smooth any wrinkles by gently working them outward from the centre of the closure with a roller.



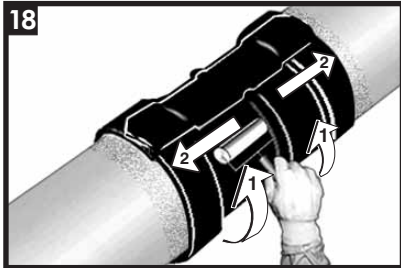
Using the appropriate sized torch, begin at the centre of the sleeve and heat circumferentially around the pipe. Use broad strokes. If utilizing two torches, operators should work on opposite sides of pipe.



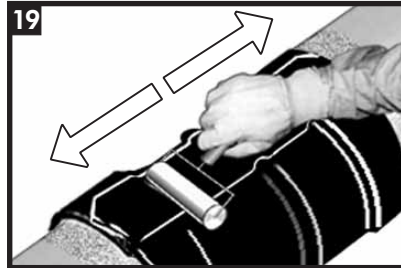
Continue heating from the centre toward one end of the sleeve until recovery is complete. In a similar manner, heat and shrink the remaining side.



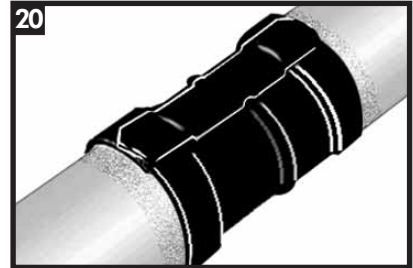
Shrinking has been completed when the adhesive begins to ooze at the sleeve edges all around the circumference. Finish shrinking the sleeve with long horizontal strokes over the entire surface to ensure a uniform bond.



While the sleeve is still hot and soft, use a hand roller to gently roll the sleeve surface and push any trapped air up and out of the sleeve, as shown above. If necessary, reheat to roll out air.



Continue the procedure by also firmly rolling the closure with long horizontal strokes from the weld outwards.



Visually inspect the installed sleeve for the following:

- Sleeve is in full contact with the steel joint.
- Adhesive flows beyond both sleeve edges.
- No cracks or holes in sleeve backing.

Backfilling Guidelines

After shrinking is complete, allow the sleeve to cool for 2 hours prior to lowering and backfilling. To prevent damage to the sleeve, use selected backfill material, (no sharp stones or large particles) otherwise an extruded polyethylene mesh or other suitable shield should be used.



A SHAWCOR COMPANY

Canada

CANUSA-CPS
a division of SHAWCOR LTD.
25 Bethridge Road
Rexdale, Ontario
M9W 1M7,
Canada
Tel: +1 (416) 743-7111
Fax: +1 (416) 743-5927

U.S.A./Latin America

CANUSA-CPS
a division of SHAWCOR INC.
2408 Timberloch Place
Building C-8
The Woodlands, Texas
77380, U.S.A.
Tel: +1 (281) 367-8866
Fax: +1 (281) 367-4304

Europe/Middle East

CANUSA-CPS
a division of Canusa Systems Ltd.
Unit 3, Sterling Park
Gatwick Road
Crawley, West Sussex
England RH10 9QT
Tel: +44 (1293) 541254
Fax: +44 (1293) 541777

Asia/Pacific

CANUSA-CPS
BrederoShaw (S) Pte Ltd
101 Thomson Road
#17-01/02, United Square
Singapore
307591
Tel +65-6732-2355
Fax +65-6732-9073

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