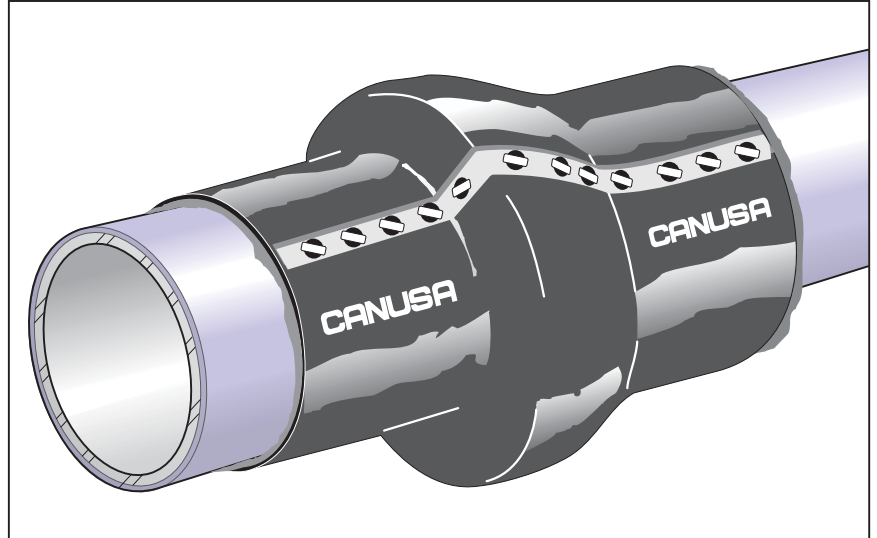


LRKN

Leak Repair Kit with Snap-Fit closure

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 Canusa LRKN system consists of a one-piece heat shrinkable wraparound sleeve with a unique snap-fit closure. The system utilizes a sealant strip for initial sealing of the joint and a mastic profile to provide underlying support to the sleeve. LRKN is designed specifically for repairing leaking joints or pipes in low pressure gas distribution mains. The product consists of a crosslinked, heat shrinkable polyolefin backing, coated with a protective heat activated adhesive that effectively bonds to the pipe surface. This combination ensures a permanent seal that is resistant to pipe deflection, vibration and soil stress.

Features & Benefits

Rapid and Reliable Installation

The Canusa LRKN has a one-piece construction that allows rapid and reliable field installation. The unique snap-fit closure system also allows for an accurate installation. The LRKN system utilizes a sealant rod and mastic bar made from a specially formulated butyl elastomer that provides an excellent seal and a smooth profile for sleeve conformance over pipe transitions. The sealant is easy to mould around bells, even at temperatures as low as -20°C (-4°F), and does not melt or sag at higher temperatures that may be experienced during sleeve installation.

Long Term Sealing

Once installed, the Canusa LRKN has excellent structural integrity. The system provides superior mechanical protection to the joint as well as protection from moisture, corrosion and bacterial damage. The LRKN sealant remains flexible after installation and provides an excellent seal even during temperature cycling.

Assured Performance

The Canusa LRKN exceeds the stringent requirements of DIN 30658 having been fully tested and approved by an independent test laboratory (DVGW).

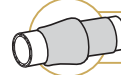
Applications



Oil & Gas



Leak Repair



Bell & Spigot Joints

Configurations



Wrapid Sleeve™



High Shrink



Snap Fit

Pipe Sizes



DN60-600 (2.5-24")

Temperature Range



up to 50°C (122°F)

Approvals



DIN 30658

The product selection chart shown here is intended as a guide for standard products. Consult your Canusa representative for specific projects or unique applications. Below are typical values based on Heavy Duty (L-thickness) Sleeves.

LRKN

Leak Repair Kit with Snap-Fit closure

Product Selection Guide

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

Available Sizes and Dimensions	Pipe DN Size	LRKN Sleeve*	Size Range (mm) supplied/recovered	Layflat Length mm (in)	Sealant Rod Length Amount Supplied	Sealant Rod Length Amount Supplied mm (in)
	60	LRKN-60-600-BK	160/55	505 (20)	1 pc	300 (12)
	80	LRKN-80-600-BK	185/65	580 (23)	1 pc	300 (12)
	100	LRKN-100-600-BK	225/80	710 (28)	1 pc	450 (18)
	150	LRKN-150-600-BK	300/110	940 (38)	1 pc	450 (18)
	200	LRKN-200-600-BK	370/140	1160 (46)	1.5 pcs	600 (24)
	250	LRKN-250-600-BK	450/180	1420 (57)	2 pcs	750 (30)
	300	LRKN-300-600-BK	510/200	1600 (64)	2 pcs	900 (36)
	350	LRKN-350-600-BK	560/225	1760 (70)	2.5 pcs	1050 (42)
	400	LRKN-400-600-BK	620/250	1950 (78)	3 pcs	1200 (48)
	450	LRKN-450-600-BK	675/270	2130 (85)	3 pcs	1350 (54)
	500	LRKN-500-600-BK	725/290	2300 (92)	4 pcs	1650 (66)
600	LRKN-600-600-BK	850/340	2650 (106)	4 pcs	1800 (72)	

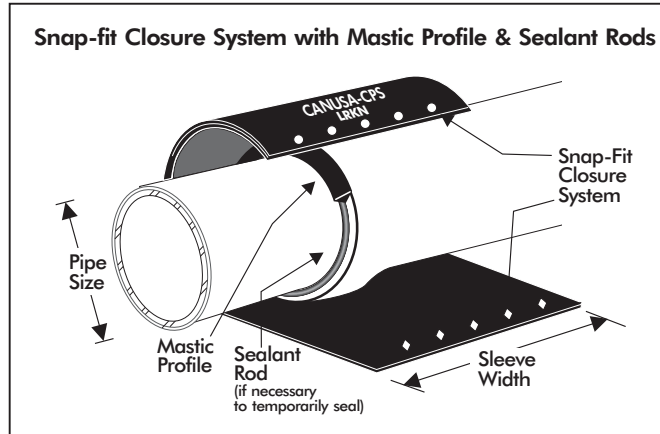
* 450mm sleeve widths also available.

Mastic Profile: 60 X 40 X 75 X 450mm Triangular (2.4 X 1.5 X 3 X 18")

Typical Product Properties

Test Name	Test Standard	Unit	
Softening Point	ASTM E28	°C (°F)	89 (192)
Specific Gravity	ASTM D792		.95
Tensile Strength	ASTM D638	MPa (psi)	24 (3480)
Elongation	ASTM D638	%	700
Hardness	ASTM D2240	Shore D	52
Abrasion Resistance	ASTM D1044	mg	30
Peel Strength	ASTM D1000	N/cm (pli)	12 (7)
Water Absorption	ASTM D570	%	0.05
Low Temperature Flexibility	ASTM D2671-C	°C (°F)	-20 (-4)
DIN Approval	DIN 30658	-	PASS
Solvent Resistance	DIN 30658	-	PASS
Deflection and pull test	DIN 30658	-	PASS
Pressure Test	DIN 30658	-	PASS
Bending	DIN 30658	-	PASS
Fully Recovered Thickness	--	mm (in)	3.7 (0.15)

Snap-fit Closure System with Mastic Profile & Sealant Rods



How To Order:

Dimensions & Ordering Info	LRKN-100-600-BK		LRKN
	Colour ▶		BK-Black
	Sleeve Width ▶		450mm, 600mm (18", 24")
	Pipe Size ▶		DN 60 - DN 600
	Adhesive (thickness as supplied) ▶		1.1 mm (45 mils)
	Backing (thickness as supplied) ▶		0.8 mm (33 mils)
	Configuration ▶		LRKN

The above represents standard ordering options. Consult your Canusa representative for any unique project requirements.