



PILLOW TYPE PACKER

DATA SHEET

Foldable pillow-type
packer for trenchless
sectional repair of large-
diameter pipelines.



**MULTIPLE REPAIR
LENGTHS**



**LARGE-DIAMETER
REPAIR**



CUSTOMIZABLE



**1000 MM TO
2000 MM**

CONTACT
LENGTH



**-20°C TO
+80°C**

OPERATING
TEMPERATURE



**600 MM TO
2000 MM**

PIPE I.D.
RANGE



**0.5 TO
1.0 BAR**

MAX. WORKING
PRESSURE

BUILT TO BEND. ENGINEERED TO REPAIR.

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PILLOW TYPE PACKER

LARGE-DIAMETER CONTACT. CONTROLLED SECTIONAL REPAIR.

The Plugline Pillow Type Packer is a flexible inflatable device designed for trenchless sectional repair of large-diameter sewer, drainage and pipeline systems.

Its flattened pillow construction allows the packer to be folded for transport and insertion through restricted access points. Once positioned, controlled inflation presses the prepared repair material uniformly against the internal pipe surface throughout the curing period.

The product range covers pipe internal diameters from 600 mm to 2000 mm, with contact lengths of 1000 mm or 2000 mm.



FEATURES

FOLDABLE PILLOW CONSTRUCTION

The deflated packer can be folded into a compact form for easier handling and restricted-access insertion.

LARGE-DIAMETER COVERAGE

Designed for pipe internal diameters from 600 mm to 2000 mm.

MULTIPLE CONTACT LENGTHS

Available with 1000 mm and 2000 mm repair-contact lengths.

WIDE CONTACT SURFACE

The inflated pillow geometry provides broad contact with the repair material and host-pipe wall.

LIGHTWEIGHT HANDLING

Flexible construction simplifies transportation, positioning and retrieval relative to rigid repair equipment.

CONTROLLED INFLATION

Maximum working pressure varies from 0.5 to 1.0 bar according to the selected model.

APPLICATIONS

- Large sewer and drainage pipeline rehabilitation
- Stormwater pipeline repair
- Localized crack and leakage repair
- Joint and pipe-wall rehabilitation
- Trenchless sectional repair
- Large-diameter municipal pipelines
- Restricted-access repair locations
- Repairs where bypass flow is not required

TECHNICAL SPECIFICATIONS

Nominal Pipe-Size Range	600–2000 mm
Maximum Working Pressure	0.5–1.0 bar / 7.25–14.50 psi
Operating Temperature	–20°C to +80°C
Contact Length Options	1000 mm and 2000 mm
Product Width Range	910–2180 mm
Total Product Length Range	2500–4200 mm
Product Weight Range	23–120 kg
Construction	Flexible reinforced pillow-type inflatable body
Inflation Method	Regulated compressed-air supply
Size Configuration	Multi-size
Customization	Available according to project requirements

PRODUCT RANGE

PILLOW TYPE PACKERS (0,5 bar/7psi - 1bar/14,5 psi)

Product Code	Nominal Size (mm)	Contact Length at Min. Dia (mm/inch)	Contact Length at Max. Dia (mm/inch)	Max. Working Pressure (bar/psi)	Product Width (mm/inch)	Total Length of Product (mm/inch)	Product Weight (kg/lbs)
PTP6001000/2500	600-1000	2100mm/82,68"	1000mm/39,37"	1,0bar/14,5psi	910mm/35,83"	2500mm/98,43"	23kg/50,71lbs
PTP6001000/3500	600-1000	3100mm/122,05"	2000mm/78,74"	1,0bar/14,5psi	910mm/35,83"	3500mm/137,8"	32kg/70,55lbs
PTP8001200/2500	800-1200	2100mm/82,68"	1000mm/39,37"	1,0bar/14,5psi	1200mm/47,24"	2500mm/98,43"	38kg/83,78lbs
PTP8001200/3500	800-1200	3100mm/122,05"	2000mm/78,74"	1,0bar/14,5psi	1200mm/47,24"	3500mm/137,8"	42kg/92,59lbs
PTP10001400/2500	1000-1400	2150mm/84,65"	1000mm/39,37"	0,8bar/11,5psi	1490mm/58,66"	2600mm/102,36"	50kg/110,23lbs
PTP10001400/3500	1000-1400	2250mm/88,58"	2000mm/78,74"	0,8bar/11,5psi	1490mm/58,66"	3600mm/141,73"	65kg/143,3lbs
PTP12001600/2500	1200-1600	2100mm/82,68"	1000mm/39,37"	0,6bar/8,5psi	1645mm/64,76"	3000mm/118,11"	75kg/165,35lbs
PTP12001600/3500	1200-1600	3100mm/122,05"	2000mm/78,74"	0,6bar/8,5psi	1645mm/64,76"	4000mm/157,48"	90kg/198,42lbs
PTP15002000/2800	1500-2000	2400mm/94,49"	1000mm/39,37"	0,5bar/7,0psi	2180mm/85,83"	3200mm/125,98"	109kg/240,3lbs
PTP15002000/3700	1500-2000	3400mm/133,86"	2000mm/78,74"	0,5bar/7,0psi	2180mm/85,83"	4200mm/165,35"	120kg/264,55lbs

*Other sizes and custom pressure ratings available upon request.

HOW TO USE

Six-step installation and removal sequence - always follow the selected model limits.

01

SELECT

Select the packer according to pipe ID, required contact length and rated working pressure.

02

INSPECT

Check the pillow body, seams, inflation connection, straps, regulator and pressure gauge.

03

PREPARE

Clean the repair section and remove sharp deposits, protrusions and loose material.

04

LOAD REPAIR MATERIAL

Apply the prepared resin-impregnated repair material evenly over the protected packer surface.

05

POSITION AND INFLATE

Fold and guide the packer to the repair point, centre it and inflate gradually to the rated pressure.

06

CURE AND REMOVE

Maintain stable pressure throughout curing. Fully depressurize before folding, removal and cleaning.



SAFETY: FULLY INSERT AND RESTRAIN THE STOPPER BEFORE INFLATION.

Never exceed the specified inflation or back-pressure rating. Keep personnel clear of the potential ejection path and fully depressurize the pipeline and stopper before adjustment or removal. Cone-stopper suppliers specifically require full insertion before inflation and warn against use in unrestrained pipework.