



WIDE-SIZE LATERAL PACKER

DATA SHEET

Wide-range inflatable
packer for trenchless
sectional repair of pipes,
drains and sewers.



**600 MM TO
5000 MM**

RUBBER
BODY LENGTH



**-20°C TO
+80°C**

OPERATING
TEMPERATURE



**35 MM TO
1000 MM**

PIPE I.D.
RANGE



**1.5 TO
4.0 BAR**

MAX. WORKING
PRESSURE



**MULTIPLE REPAIR
LENGTHS**



**PROTECTED
RUBBER ENDS**



CUSTOMIZABLE



BUILT TO BEND. ENGINEERED TO REPAIR.

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WIDE-SIZE LATERAL PACKER

WIDE-RANGE CONTACT. EFFICIENT SECTIONAL REPAIR.

The Plugline Wide-Size Lateral Packer is a flexible inflatable device designed for trenchless localized repair of pipes, drains and sewer systems.

Its wide expansion capability allows a single packer model to accommodate several pipe diameters. The packer carries a resin-impregnated repair sleeve to the damaged section and, when inflated, presses the repair material uniformly against the internal pipe wall throughout the curing period.

Protected rubber end covers improve handling and help reduce damage during insertion, positioning and retrieval.



FEATURES

WIDE EXPANSION RANGE

Each model covers a broad pipe-diameter range, reducing the number of packers required.

MULTIPLE REPAIR LENGTHS

Available with rubber-body lengths from 600 mm to 5000 mm for short and extended sectional repairs.

PROTECTED RUBBER ENDS

Rubber end covers protect the packer ends and support smoother movement through the pipeline.

VARIABLE CONTACT LENGTH

The effective repair-contact length changes according to the expanded pipe diameter.

REINFORCED CYLINDRICAL BODY

The flexible rubber-textile construction provides controlled expansion and stable contact with the repair sleeve.

APPLICATIONS

- Localized sewer and drain rehabilitation
- Repair of cracks and leaking joints
- Domestic and lateral pipeline repair
- Infiltration and exfiltration control
- Trenchless sectional repair
- Small- and medium-diameter pipelines
- Extended repair sections
- Applications where bypass flow is not required

TECHNICAL SPECIFICATIONS

Nominal Pipe-Size Range	35–1000 mm
Maximum Working Pressure	1.5–4.0 bar / 21.75–58.02 psi
Operating Temperature	–20°C to +80°C
Rubber-Body Length Range	600–5000 mm
Contact Length	Varies according to packer length and pipe diameter
Product Diameter Range	Approximately 30–345 mm
Construction	Reinforced flexible cylindrical inflatable body
End Configuration	Protected rubber end covers
Inflation Method	Regulated compressed-air supply
Size Configuration	Wide-size
Customization	Available according to project requirements

PRODUCT RANGE

WIDE SIZE LATERAL PACKERS WITH RUBBER END (1,5bar/21,75psi - 4bar/58,01psi)

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 Diameter (mm/inch)	Total Length of Product (mm/inch)	Product Weight (kg/lbs)
NOMINAL SIZE 35-70							
WLP3570/600	35-70	675mm/26,57"	600mm/23,62"	4bar/58psi	30mm/1,18"	750mm/29,53"	0,5kg/1,1lbs
WLP3570/1000	35-70	1075mm/42,32"	1000mm/39,37"	4bar/58psi	30mm/1,18"	1150mm/45,28"	0,75kg/1,65lbs
WLP3570/1500	35-70	1575mm/62,01"	1500mm/59,06"	4bar/58psi	30mm/1,18"	1650mm/64,96"	1kg/2,2lbs
WLP3570/2000	35-70	2075mm/81,69"	2000mm/78,74"	4bar/58psi	30mm/1,18"	2150mm/84,65"	1,5kg/3,31lbs
WLP3570/2500	35-70	2575mm/101,38"	2500mm/98,43"	4bar/58psi	30mm/1,18"	2650mm/104,33"	1,75kg/3,86lbs
WLP3570/3000	35-70	3075mm/121,06"	3000mm/118,11"	4bar/58psi	30mm/1,18"	3150mm/124,02"	2,25kg/4,96lbs
WLP3570/4000	35-70	4075mm/160,43"	4000mm/157,48"	4bar/58psi	30mm/1,18"	4150mm/163,39"	3kg/6,61lbs
WLP3570/5000	35-70	5075mm/199,8"	5000mm/196,85"	4bar/58psi	30mm/1,18"	5150mm/202,76"	4kg/8,82lbs

NOMINAL SIZE 40-100

WLP40100/600	40-100	720mm/28,35"	600mm/23,62"	4bar/58psi	35mm/1,38"	820mm/32,28"	0,6kg/1,32lbs
WLP40100/1000	40-100	1120mm/44,09"	1000mm/39,37"	4bar/58psi	35mm/1,38"	1220mm/48,03"	1kg/2,2lbs
WLP40100/1500	40-100	1620mm/63,78"	1500mm/59,06"	4bar/58psi	35mm/1,38"	1720mm/67,72"	1,5kg/3,31lbs
WLP40100/2000	40-100	2120mm/83,46"	2000mm/78,74"	4bar/58psi	35mm/1,38"	2220mm/87,4"	2kg/4,41lbs
WLP40100/2500	40-100	2620mm/103,15"	2500mm/98,43"	4bar/58psi	35mm/1,38"	2720mm/107,09"	2,5kg/5,51lbs
WLP40100/3000	40-100	3120mm/122,83"	3000mm/118,11"	4bar/58psi	35mm/1,38"	3220mm/126,77"	3kg/6,61lbs
WLP40100/4000	40-100	4120mm/162,2"	4000mm/157,48"	4bar/58psi	35mm/1,38"	4220mm/166,14"	4kg/8,82lbs
WLP40100/5000	40-100	5120mm/201,57"	5000mm/196,85"	4bar/58psi	35mm/1,38"	5220mm/205,51"	5kg/11,02lbs

NOMINAL SIZE 50-150

WLP50150/600	50-150	800mm/31,5"	600mm/23,62"	4bar/58psi	45mm/1,77"	950mm/37,4"	1kg/2,2lbs
WLP50150/1000	50-150	1200mm/47,24"	1000mm/39,37"	4bar/58psi	45mm/1,77"	1350mm/53,15"	1,2kg/2,64lbs
WLP50150/1500	50-150	1700mm/66,93"	1500mm/59,06"	4bar/58psi	45mm/1,77"	1850mm/72,83"	1,5kg/3,31lbs
WLP50150/2000	50-150	2200mm/86,61"	2000mm/78,74"	4bar/58psi	45mm/1,77"	2350mm/92,52"	1,8kg/3,97lbs
WLP50150/2500	50-150	2700mm/106,3"	2500mm/98,43"	4bar/58psi	45mm/1,77"	2850mm/112,2"	4,4kg/9,7lbs
WLP50150/3000	50-150	3200mm/125,98"	3000mm/118,11"	4bar/58psi	45mm/1,77"	3350mm/131,89"	5,25kg/11,57lbs
WLP50150/4000	50-150	4200mm/165,35"	4000mm/157,48"	4bar/58psi	45mm/1,77"	4350mm/171,26"	7kg/15,43lbs
WLP50150/5000	50-150	5200mm/204,72"	5000mm/196,85"	4bar/58psi	45mm/1,77"	5350mm/210,63"	8,75kg/19,29lbs

NOMINAL SIZE 70-200

WLP70200/600	70-200	900mm/35,43"	600mm/23,62"	3,5bar/50,75psi	58mm/2,28"	1100mm/43,31"	1,05kg/2,31lbs
WLP70200/1000	70-200	1300mm/51,18"	1000mm/39,37"	3,5bar/50,75psi	58mm/2,28"	1500mm/59,06"	1,75kg/3,86lbs
WLP70200/1500	70-200	1800mm/70,87"	1500mm/59,06"	3,5bar/50,75psi	58mm/2,28"	2000mm/78,74"	2,625kg/5,79lbs
WLP70200/2000	70-200	2300mm/90,55"	2000mm/78,74"	3,5bar/50,75psi	58mm/2,28"	2500mm/98,43"	3,6kg/7,93lbs
WLP70200/2500	70-200	2800mm/110,24"	2500mm/98,43"	3,5bar/50,75psi	58mm/2,28"	3000mm/118,11"	4,4kg/9,7lbs
WLP70200/3000	70-200	3300mm/129,92"	3000mm/118,11"	3,5bar/50,75psi	58mm/2,28"	3500mm/137,8"	5,25kg/11,57lbs
WLP70200/4000	70-200	4300mm/169,29"	4000mm/157,48"	3,5bar/50,75psi	58mm/2,28"	4500mm/177,17"	7kg/15,43lbs
WLP70200/5000	70-200	5300mm/208,66"	5000mm/196,85"	3,5bar/50,75psi	58mm/2,28"	5500mm/216,54"	8,75kg/19,29lbs

*Other sizes and custom pressure ratings available upon request.

WIDE SIZE LATERAL PACKERS WITH RUBBER END (1,5bar/21,75psi - 4bar/58,01psi)

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 Diameter (mm/inch)	Total Length of Product (mm/inch)	Product Weight (kg/lbs)
NOMINAL SIZE 100-200							
WLP100200/600	100-200	900mm/35,43"	600mm/23,62"	3bar/43,5psi	61mm/2,4"	1100mm/43,31"	1,05kg/2,31lbs
WLP100200/1000	100-200	1300mm/51,18"	1000mm/39,37"	3bar/43,5psi	61mm/2,4"	1500mm/59,06"	1,75kg/3,86lbs
WLP100200/1500	100-200	1800mm/70,87"	1500mm/59,06"	3bar/43,5psi	61mm/2,4"	2000mm/78,74"	2,625kg/5,79lbs
WLP100200/2000	100-200	2300mm/90,55"	2000mm/78,74"	3bar/43,5psi	61mm/2,4"	2500mm/98,43"	3,6kg/7,93lbs
WLP100200/2500	100-200	2800mm/110,24"	2500mm/98,43"	3bar/43,5psi	61mm/2,4"	3000mm/118,11"	4,4kg/9,7lbs
WLP100200/3000	100-200	3300mm/129,92"	3000mm/118,11"	3bar/43,5psi	61mm/2,4"	3500mm/137,8"	5,25kg/11,57lbs
WLP100200/4000	100-200	4300mm/169,29"	4000mm/157,48"	3bar/43,5psi	61mm/2,4"	4500mm/177,17"	7kg/15,43lbs
WLP100200/5000	100-200	5300mm/208,66"	5000mm/196,85"	3bar/43,5psi	61mm/2,4"	5500mm/216,54"	8,75kg/19,29lbs

NOMINAL SIZE 100-250

WLP100250/600	100-250	1000mm/39,37"	600mm/23,62"	3bar/43,5psi	75mm/2,95"	1200mm/47,24"	1,4kg/3,09lbs
WLP100250/1000	100-250	1400mm/55,12"	1000mm/39,37"	3bar/43,5psi	75mm/2,95"	1600mm/62,99"	2,2kg/4,85lbs
WLP100250/1500	100-250	1900mm/74,8"	1500mm/59,06"	3bar/43,5psi	75mm/2,95"	2100mm/82,68"	3,38kg/7,45lbs
WLP100250/2000	100-250	2400mm/94,49"	2000mm/78,74"	3bar/43,5psi	75mm/2,95"	2600mm/102,36"	4,68kg/10,31lbs
WLP100250/2500	100-250	2900mm/114,17"	2500mm/98,43"	3bar/43,5psi	75mm/2,95"	3100mm/122,05"	5,72kg/12,61lbs
WLP100250/3000	100-250	3400mm/133,86"	3000mm/118,11"	3bar/43,5psi	75mm/2,95"	3600mm/141,73"	6,8kg/14,99lbs
WLP100250/4000	100-250	4400mm/173,23"	4000mm/157,48"	3bar/43,5psi	75mm/2,95"	4600mm/181,1"	9,1kg/20,06lbs
WLP100250/5000	100-250	5400mm/212,6"	5000mm/196,85"	3bar/43,5psi	75mm/2,95"	5600mm/220,47"	11,4kg/25,13lbs

NOMINAL SIZE 150-300

WLP150300/600	150-300	1100mm/43,31"	600mm/23,62"	2bar/29psi	120mm/4,72"	1300mm/51,18"	5,2kg/11,46lbs
WLP150300/1000	150-300	1500mm/59,06"	1000mm/39,37"	2bar/29psi	120mm/4,72"	1700mm/66,93"	8,4kg/18,51lbs
WLP150300/1500	150-300	2000mm/78,74"	1500mm/59,06"	2bar/29psi	120mm/4,72"	2200mm/86,61"	12,8kg/28,21lbs
WLP150300/2000	150-300	2500mm/98,43"	2000mm/78,74"	2bar/29psi	120mm/4,72"	2700mm/106,3"	17,2kg/37,91lbs
WLP150300/2500	150-300	3000mm/118,11"	2500mm/98,43"	2bar/29psi	120mm/4,72"	3200mm/125,98"	21,5kg/47,39lbs
WLP150300/3000	150-300	3500mm/137,8"	3000mm/118,11"	2bar/29psi	120mm/4,72"	3700mm/145,67"	25,76kg/56,78lbs
WLP150300/4000	150-300	4500mm/177,17"	4000mm/157,48"	2bar/29psi	120mm/4,72"	4700mm/185,04"	35,4kg/78,02lbs
WLP150300/5000	150-300	5500mm/216,54"	5000mm/196,85"	2bar/29psi	120mm/4,72"	5700mm/224,41"	43kg/94,77lbs

NOMINAL SIZE 200-500

WLP200500/600	200-500	1450mm/57,09"	600mm/23,62"	2bar/29psi	185mm/7,28"	1700mm/66,93"	6,9kg/15,21lbs
WLP200500/1000	200-500	1850mm/72,83"	1000mm/39,37"	2bar/29psi	185mm/7,28"	2100mm/82,68"	11,5kg/25,35lbs
WLP200500/1500	200-500	2350mm/92,52"	1500mm/59,06"	2bar/29psi	185mm/7,28"	2600mm/102,36"	17,2kg/37,91lbs
WLP200500/2000	200-500	2850mm/112,2"	2000mm/78,74"	2bar/29psi	185mm/7,28"	3100mm/122,05"	22,9kg/50,47lbs
WLP200500/2500	200-500	3350mm/131,89"	2500mm/98,43"	2bar/29psi	185mm/7,28"	3600mm/141,73"	28,7kg/63,25lbs
WLP200500/3000	200-500	3850mm/151,57"	3000mm/118,11"	2bar/29psi	185mm/7,28"	4100mm/161,42"	34,35kg/75,71lbs
WLP200500/4000	200-500	4850mm/190,94"	4000mm/157,48"	2bar/29psi	185mm/7,28"	5100mm/200,79"	45,8kg/100,94lbs
WLP200500/5000	200-500	5850mm/230,31"	5000mm/196,85"	2bar/29psi	185mm/7,28"	6100mm/240,16"	57,25kg/126,18lbs

WIDE SIZE LATERAL PACKERS WITH RUBBER END (1,5bar/21,75psi - 4bar/58,01psi)

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 Diameter (mm/inch)	Total Length of Product (mm/inch)	Product Weight (kg/lbs)
NOMINAL SIZE 300-800							
WLP300800/600	300-800	2100mm/82,68"	600mm/23,62"	1,5bar/21,75psi	272mm/10,71"	2400mm/94,49"	18,39kg/40,53lbs
WLP300800/1000	300-800	2500mm/98,43"	1000mm/39,37"	1,5bar/21,75psi	272mm/10,71"	2800mm/110,24"	30,65kg/67,55lbs
WLP300800/1500	300-800	3000mm/118,11"	1500mm/59,06"	1,5bar/21,75psi	272mm/10,71"	3300mm/129,92"	46kg/101,38lbs
WLP300800/2000	300-800	3500mm/137,8"	2000mm/78,74"	1,5bar/21,75psi	272mm/10,71"	3800mm/149,61"	61,3kg/135,11lbs
WLP300800/2500	300-800	4000mm/157,48"	2500mm/98,43"	1,5bar/21,75psi	272mm/10,71"	4300mm/169,29"	76,5kg/168,61lbs
WLP300800/3000	300-800	4500mm/177,17"	3000mm/118,11"	1,5bar/21,75psi	272mm/10,71"	4800mm/188,98"	92kg/202,77lbs
WLP300800/4000	300-800	5500mm/216,54"	4000mm/157,48"	1,5bar/21,75psi	272mm/10,71"	5800mm/228,35"	122kg/268,89lbs
WLP300800/5000	300-800	6500mm/255,91"	5000mm/196,85"	1,5bar/21,75psi	272mm/10,71"	6800mm/267,72"	153kg/337,21lbs

NOMINAL SIZE 400-1000

WLP4001000/600	400-1000	2200mm/86,61"	600mm/23,62"	1,5bar/21,75psi	345mm/13,58"	2800mm/110,24"	25,2kg/55,54lbs
WLP4001000/1000	400-1000	2600mm/102,36"	1000mm/39,37"	1,5bar/21,75psi	345mm/13,58"	3200mm/125,98"	42kg/92,57lbs
WLP4001000/1500	400-1000	3100mm/122,05"	1500mm/59,06"	1,5bar/21,75psi	345mm/13,58"	3700mm/145,67"	63kg/138,85lbs
WLP4001000/2000	400-1000	3600mm/141,73"	2000mm/78,74"	1,5bar/21,75psi	345mm/13,58"	4200mm/165,35"	82kg/180,73lbs
WLP4001000/2500	400-1000	4100mm/161,42"	2500mm/98,43"	1,5bar/21,75psi	345mm/13,58"	4700mm/185,04"	103kg/227,01lbs
WLP4001000/3000	400-1000	4600mm/181,1"	3000mm/118,11"	1,5bar/21,75psi	345mm/13,58"	5200mm/204,72"	123kg/271,09lbs
WLP4001000/4000	400-1000	5600mm/220,47"	4000mm/157,48"	1,5bar/21,75psi	345mm/13,58"	6200mm/244,09"	164kg/361,46lbs
WLP4001000/5000	400-1000	6600mm/259,84"	5000mm/196,85"	1,5bar/21,75psi	345mm/13,58"	7200mm/283,46"	198kg/436,39lbs

HOW TO USE

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

01

SELECT

Select the packer according to pipe ID, bend geometry, contact length and rated pressure.

02

INSPECT

Check the rubber body, end fittings, inflation hose, regulator and pressure gauge for damage.

03

PREPARE

Clean the repair area and remove deposits, sharp particles and protrusions from the pipe wall.

04

LOAD REPAIR MATERIAL

Apply the prepared resin-impregnated repair sleeve evenly around the protected packer surface.

05

POSITION AND INFLATE

Guide the packer to the damaged section, centre it accurately and inflate gradually to the specified working pressure.

06

CURE AND REMOVE

Maintain stable pressure during curing. Fully depressurize the packer before removal, cleaning and inspection.



SAFETY: KEEP PERSONNEL CLEAR WHILE THE PACKER IS PRESSURIZED.

Never exceed the specified working pressure. Use a pressure regulator and calibrated gauge, do not use damaged equipment, and ensure the packer is fully depressurized before adjustment, repositioning or removal.

