

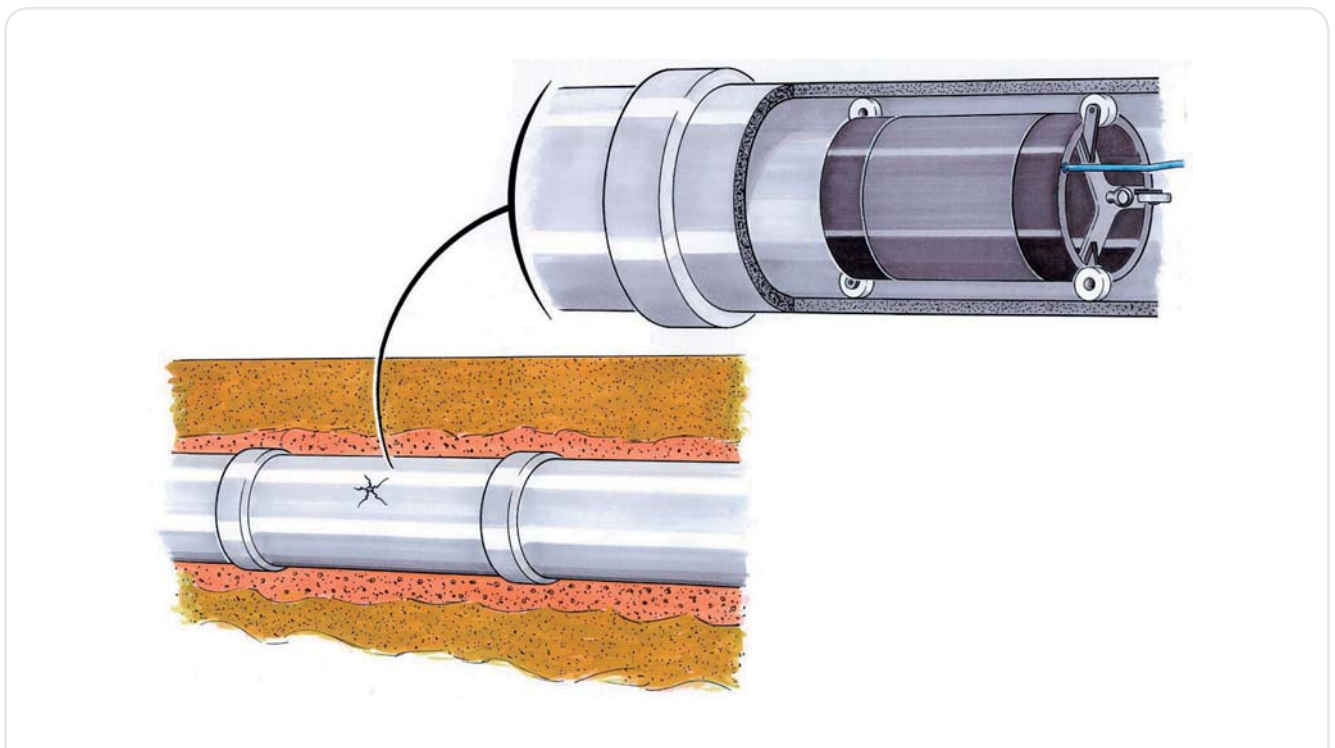
Vetter Flexible packers

For fast partial reconstruction work.

- › deliverable in different constructions and sizes:
- › Short packers › Lateral packers › Flexible packers

The partial repair of a defective pipeline (e.g. damages caused by roots, leaky connections, corrosion damages etc.) is carried out using a mat made of synthetic resin and fibre glass. The packer is equipped with this mat and is then attached to the damaged position on the pipeline. Here pressure is applied and in doing so presses the mat onto the pipe wall. This pressure causes the resin to enter the cracks as well as other damaged positions in the pipeline where it solidifies.

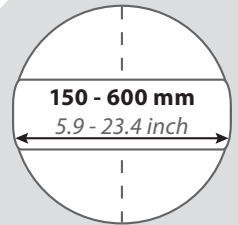
Pressure is then finally released from the packer which is then removed out of the repaired pipeline.



Partial reconstruction work with Vetter flexible packers.

Short packers 2.5 bar (36.25 psi)

The fast and clever solution.

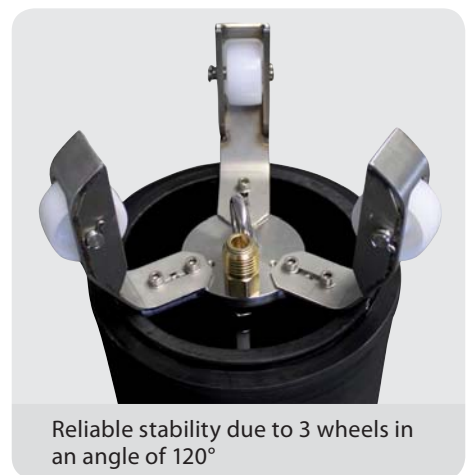


- › adjustable carriage with spring action
- › low weight due to PE tube
- › skid-shaped carriage allows sliding even over offsets

Vetter short packers are designed for reconstructing drains of up to 600 mm (23.4 inch) diameter. They comprise a replaceable rubber sleeve and a PE core with a duct which ensures the water flows off during the reconstruction. The open safety coupling with a lock pin prevents unwanted decoupling.

The carriage can be flexibly adjusted depending on the pipe diameter and has a slight spring action. On top of that, the runner shape facilitates smooth sliding, even over offsets. The wheels are mounted at a 120° angle, which ensures reliable stability and prevents tipping over during the repair work.

The Vetter short packers are available in 5 sizes for pipe diameters of 150 mm - 600 mm (5.9 - 23.4 inch).



Reliable stability due to 3 wheels in an angle of 120°

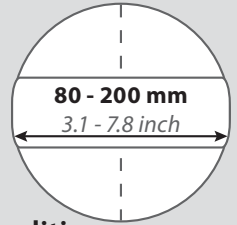


Technical data

Short packers 2.5 bar/36.25 psi	Application range (from-to) mm/inch	Packer length mm/inch	Application length in largest diam. mm/inch	Application length in smallest diam. mm/inch	Packer diameter, approx. mm/inch	Packer length, with carriage mm/inch	Sleeve length, approx. mm/inch	Weight, approx. kg/lbs
Type 150-200 1491000100	150 - 200 5.9 - 7.8	820 32	650 25.6	695 27.1	105 4.1	950 37.1	800 31.2	5 11
Type 250-300 1491044400	250 - 300 9.8 - 11.8	820 32	640 25	690 26.9	190 7.4	1,080 42.1	800 31.2	11.8 26
Type 300-350 1491044700	300 - 350 11.8 - 14	820 32	630 24.6	670 26.1	230 9	1,080 42.1	800 31.2	17.8 39.2
Type 400-450 1491013100	400 - 450 16 - 18	820 32	660 25.7	680 26.5	310 12.1	1,080 42.1	800 31.2	24.7 54.5
Type 500-600 1491013700	500 - 600 20 - 23.4	920 36	680 26.5	690 26.9	385 15	1,180 46	900 35.1	41 90.4

Lateral packers 2.5 bar (36.25 psi)

The intelligent solution that saves money.



- › high flexibility
- › Replaceable spherical heads
- › Construction allows very good bending characteristics & increased slipping qualities

Vetter lateral packers are the ideal solution for pipes with small diameters, especially pipelines in the building lateral area. The flexible construction ensures good slipping qualities, bending characteristics and handling. That facilitates quick application, reducing your working hours. The open safety coupling with a lock pin prevents unwanted decoupling. The spherical heads are mounted on the packers and are not vulcanised in. That makes them replaceable and reusable. That in turn provides you with benefits in handling, saves resources and on top of that saves you money.

The lateral packers are available in 3 sizes from 80 - 200 mm (3.1 - 7.8 inch) and lengths up to 4 m (13.2 ft.).



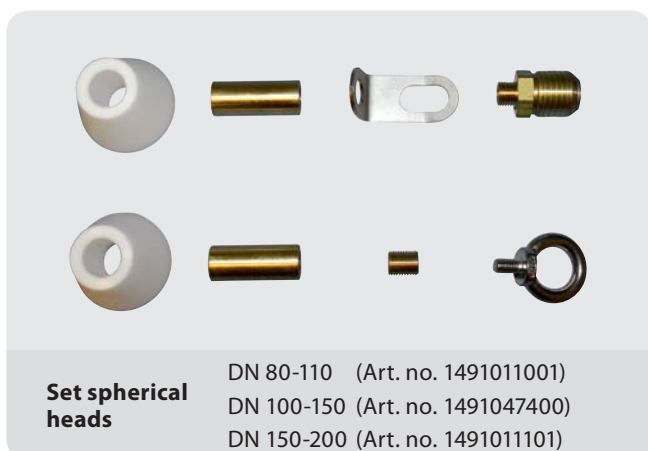
Replaceable spherical heads

Good bending characteristics due to flexible construction to be able to work more effective.

Technical data

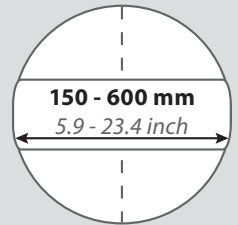
Lateral packers 2.5 bar/36.25 psi	Design	Application range (from-to) mm / inch	Packer length, approx. mm / inch	Application length in largest diam. mm / inch	Application length in smallest diam. mm / inch	Packer diameter mm / inch	Packer length with spherical head mm / inch	Weight, approx.* kg / lbs
Type 80-110 1491019600	wound	80 - 110 3.1 - 4.3	1,000 39	800 31.2	820 32	51 2	1,175 45.8	1.1 2.4
Type 80-110 1491019800	wound	80 - 110 3.1 - 4.3	2,000 78	1,800 70.2	1,820 71	51 2	2,175 84.8	2 4.4
Type 80-110 1491020000	wound	80 - 110 3.1 - 4.3	2,500 97.5	2,300 89.7	2,320 90.5	51 2	2,675 104.3	2.8 6.2
Type 100-150 1491031500	smooth	100 - 150 3.9 - 5.9	1,000 39	840 32.8	920 35.9	66 2.6	1,170 45.6	1.1 2.4
Type 100-150 1491018200	smooth	100 - 150 3.9 - 5.9	2,000 78	1,840 71.8	1,920 74.9	66 2.6	2,170 84.6	2.2 4.9
Type 100-150 1491018300	smooth	100 - 150 3.9 - 5.9	3,000 118	2,840 110.8	2,920 113.9	66 2.6	3,170 123.6	3.3 7.3
Type 100-150 1491018000	smooth	100 - 150 3.9 - 5.9	4,000 156	3,840 149.8	3,920 152.9	66 2.6	4,170 162.6	4.4 9.7
Type 150-200 1491019100	smooth	150 - 200 5.9 - 7.8	1,000 39	940 36.7	920 35.9	92 3.6	1,225 47.8	1.6 3.5
Type 150-200 1491018700	smooth	150 - 200 5.9 - 7.8	2,000 78	1,840 71.8	1,920 74.9	92 3.6	2,225 86.8	3.0 6.6
Type 150-200 1441013600	smooth	150 - 200 5.9 - 7.8	3,000 118	2,840 110.8	2,920 113.9	92 3.6	3,225 125.8	4.5 9.9
Type 150-200 1441013700	smooth	150 - 200 5.9 - 7.8	4,000 156	3,840 149.8	3,920 152.9	92 3.6	4,225 164.8	6.6 14.6

* without spherical heads



Flexible packers

The adaptable solution.



- › high flexibility
- › adjustable carriage with resilience
- › skid-shaped carriage allows sliding even over offsets

Vetter flexible packers are the flexible solution for drain reconstruction. They are made of a rubber sleeve that is vulcanised onto metal heads. The interior tube lets the water flow off during the repair work. The open safety coupling with a lock pin prevents unwanted decoupling. The flexible construction means it is easy to conduct the packer through a manhole and install it in the damaged line.

The carriage has a slight spring action and can be flexibly adjusted to match the pipe diameter. On top of that, the runner-shaped carriage facilitates smooth sliding, even over offsets. The wheels are set at a 120° angle, which ensures easy packer penetration.

The Vetter flexible packers are available in 4 sizes for pipe diameters from 150 - 600 mm (5.9 - 23.4 inch) and lengths up to 4 m (13.1 ft.).



Best flexibility and guaranteed stability.

Technical data

Flexible packers		Application range (from-to) mm / inch	Packer length, approx. mm / inch	Application length in largest diam. mm / inch	Application length in smallest diam. mm / inch	Packer diameter, approx. mm / inch	Packer length, with carriage, approx. mm / inch	Weight, approx. kg / lbs
Type 150-250 1491045900	2.5 bar (36.25 psi)	150 - 250 5.9 - 9.8	1,000 39	680 26.5	780 30.4	105 4.1	1,130 44.1	6.4 14.1
Type 150-250 1491046000	2.5 bar (36.25 psi)	150 - 250 5.9 - 9.8	2,000 78	1,680 65.5	1,780 69.4	105 4.1	2,130 83.1	10 22.1
Type 150-250 1491046100	2.5 bar (36.25 psi)	150 - 250 5.9 - 9.8	3,000 118	2,680 104.5	2,780 108.4	105 4.1	3,130 122.1	14 20.9
Type 150-250 1491046200	2.5 bar (36.25 psi)	150 - 250 5.9 - 9.8	4,000 156	3,680 143.5	3,780 147.4	105 4.1	4,130 161.1	18 39.7
Type 200-300 1491044800	1.5 bar (21.75 psi)	200 - 300 7.8 - 11.8	1,000 39	590 23	690 26.9	170 6.6	1,260 49.1	10 22.1
Type 200-300 1491046300	1.5 bar (21.75 psi)	200 - 300 7.8 - 11.8	2,000 78	1,590 62	1,690 65.9	170 6.6	2,260 88.1	15 33.1
Type 200-300 1491046400	1.5 bar (21.75 psi)	200 - 300 7.8 - 11.8	3,000 118	2,590 101	2,690 104.9	170 6.6	3,260 127.1	20 44.1
Type 200-300 1491046500	1.5 bar (21.75 psi)	200 - 300 7.8 - 11.8	4,000 156	3,590 140	3,690 143.9	170 6.6	4,260 166.1	25 55.1
Type 300-400 1491044900	1.5 bar (21.75 psi)	300 - 400 11.8 - 16	1,000 39	560 21.8	660 25.7	230 9	1,260 49.1	13.2 29.1
Type 300-400 1491046600	1.5 bar (21.75 psi)	300 - 400 11.8 - 16	2,000 78	1,560 60.8	1,660 64.7	230 9	2,260 88.1	19.4 42.8
Type 300-400 1491046700	1.5 bar (21.75 psi)	300 - 400 11.8 - 16	3,000 118	2,560 99.8	2,660 103.7	230 9	3,260 127.1	26 57.3
Type 300-400 1491046800	1.5 bar (21.75 psi)	300 - 400 11.8 - 16	4,000 156	3,560 138.8	3,660 142.7	230 9	4,260 166.1	32 70.6
Type 400-600 1491045700	1.5 bar (21.75 psi)	400 - 600 16 - 23.4	1,500 58.5	900 35.1	950 37.1	350 13.7	1,770 69	26.1 57.6

Standard through-flow openings of 2".



Through-flow openings of the flexible packers.