

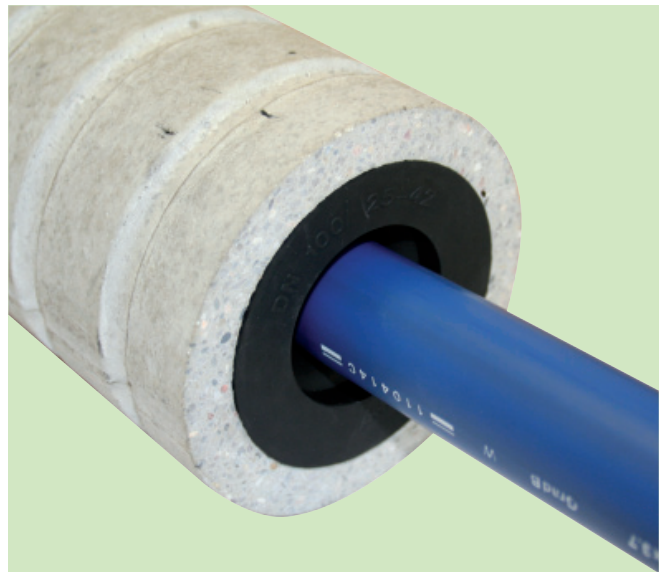


Pipeline Accessories

Rubber Support/Cover Rings,
Plug Seal Inserts
4 pipes



Rubber Support Ring 4 pipes



Product information

Rubber support rings and cover rings are made to protect the annular space between pipe and wall from dirt and moisture inside the building. The rubber ring is made of high quality elastomer. The conical seal is just pressed into the annular space by hand.

A special sealing membrane adjusts to various pipe dimensions perfectly and seals against external moisture.

An integrated O-ring in the membrane optimises the sealing function to the pipe and the stability of the seal. The seal is designed for usage in all common wall sleeves of PVC or fibre cement as well as the flexible casing pipes, used in house-entry technology. The conical outside shape adapts the seal to various different casing pipes.

Ø ID or wall sleeve	Ø Carrier pipe in mm	Art.-No.
ID 70	18-32	13040
ID 70	40	13039
ID 80	25-42	13041
ID 80	45-52	13042
ID 90	25-42	13043
ID 90	42-54	13044
ID 99-103.6	20-25	13045
ID 99-103.6	32-40	13046
ID 99-103.6	40-56	13047
ID 99-103.6	56-66	13048

The 4 pipes warranty only applies to faulty material. Checking the suitability of the product for the individual application is solely the responsibility of the user.

Plug Seal Inserts 4 pipes



Lloyd's
certified
3 bar

Product description

Plug Seal Inserts 4 pipes are developed to seal off annular spaces in wall and ceiling penetrations for pipes and cables.

The product is **tight against high external water pressure up to 3 bars.**

By being **completely free of metal parts** it can resist chemicals that would corrode metal.

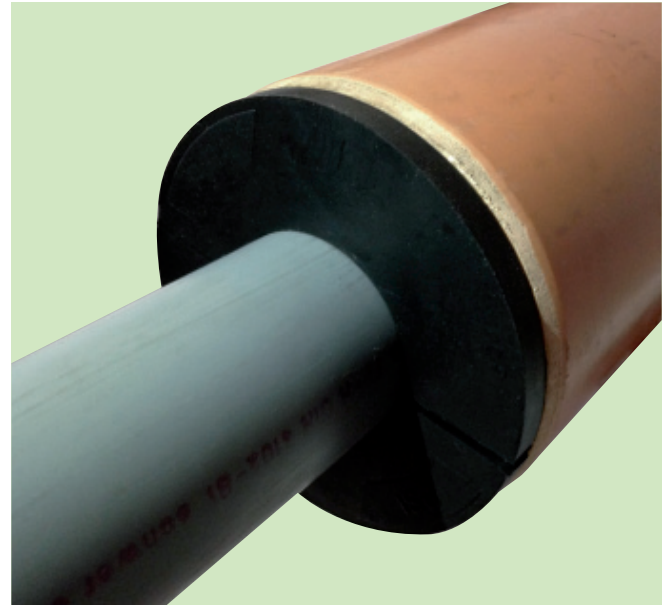
There are **different rubber qualities** available, delivery of smaller quantities is possible if required.

Rubber types are defined by colour coding. Achieving resistance to particular chemicals is nearly always possible because of the large range of possible rubbers that can be used.

Plug seals with quality "FS" are a fireproof solution for the shipbuilding industry, they are installed in ceilings and bulkheads from both sides to ensure sealing and insulation against water and fire.

For Rubber type "FS" a Lloyd's certification confirms one hour of fire resistance in accordance with IMO shipbuilding guidelines. Tightness against pressing water up to 3 bars is also **certified by Lloyd's.**

Our Plug Seal Inserts are manufactured and delivered as 2 half-shells, **which means that retrofit installation is always possible.**



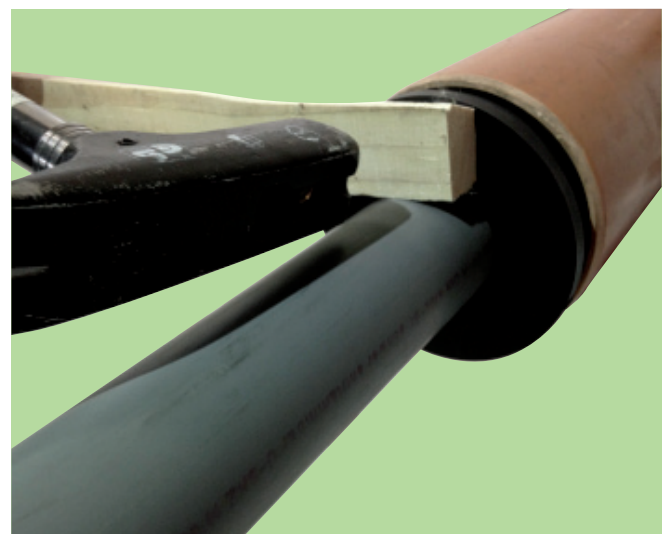
Installation

Installation of our plug seals is easy and safe. The two halves have to be hammered into the annular space evenly and without any misalignment. A piece of wood allows smooth hammering of both halves. Technical lubricant (e.g. Vaseline or similar without oil) helps the process.

At the end, the circumferential flange should have an even contact to the wall but should not be forced into the annular space.

Caution!

- Exactly the right plug has to be chosen for each pipe and wall
- Subsequent realignment or retightening is hardly possible after hammering.



Plug Seal Inserts 4 pipes



The following inner diameter of pipes, sleeves or core holes are available for popular pipe and cable dimension. You can find our current range of sizes in our latest price list.



Inner diameter sleeve/drilling in mm = outer diameter Plug Seal Insert

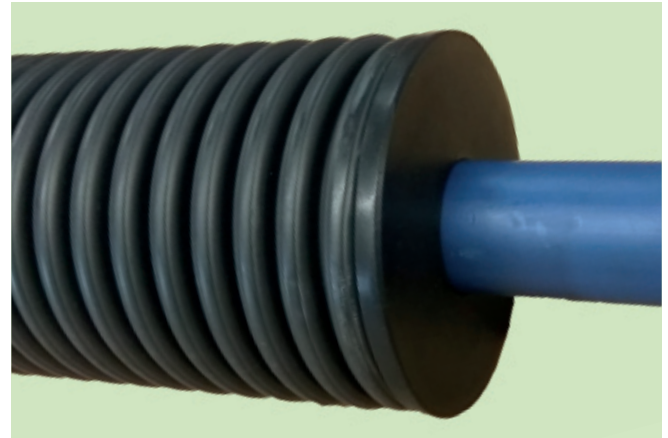
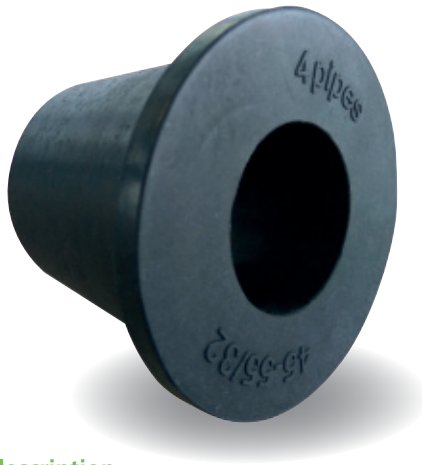
25.6 mm	60 mm	105 mm	159.3 mm
33.5mm	68.6 mm	107.1 mm	160 mm
35 mm	70 mm	110 mm	190.2 mm
37.2 mm	77.9 mm	118.6 mm	200 mm
40 mm	80 mm	125 mm	202.7 mm
43.6 mm	82.5 mm	128.1 mm	207.3 mm
52.5 mm	94 mm	131.7 mm	237.6 mm
50 mm	100 mm	150 mm	250 mm
54.5 mm	102.3mm	152 mm	254.6 mm
57 mm	103.6 mm	154.1 mm	260.4 mm

Elastomere – Standard Qualities

Material	Colour coding	Temperature range	Typical application
EPDM	black	- 25°C up to 110°C	Standard material, large range of use, high UV and ozone resistance
NBR (Nitrile)	blue	-25°C up to 90°C	Hydrocarbon-resistance e.g. mineral oil, natural gas, etc.
FPM (Viton)	green	-25°C up to 200°C	Extremely high chemical resistance
Silicone	brown	-60°C up to 200°C	Good flexibility at extreme temperatures
FS	red	-30°C up to 120°C	Tight against high external water pressure up to 3 bars, fire resistance for 1 hour, certified by Lloyd's for marine application

The 4 pipes warranty only applies to faulty material. Checking the suitability of the product for the individual application is solely the responsibility of the user.

Conical Sealing Plug 4 pipes



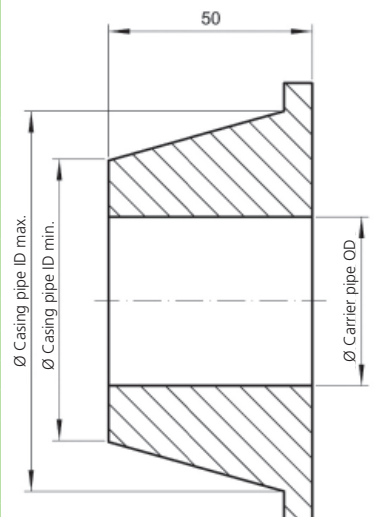
Product description

Conical Sealing Plugs 4 pipes are designed to seal small diameter pipes and cables in casing pipes against sand and moisture at the open end of the casing. Casing can be e.g. flexible or PVC pipes or core drilled holes.

The **Conical Sealing Plug 4 pipes** is designed to seal against low external water pressure. A collar on the wide side makes handling easy and serves as a stop. The extra soft EPDM material 40 ±5 Shore A makes the application safe and easy. The plug **can be cut to be used as an open product for retrofit applications.**

Standard sizes

For casing ID in mm	For carrier pipe OD in mm	Fits for cable casing DN (DA) (corrugated pipe)	Description	Art.-No.
37 - 43	Blind	50 / 50	37 - 43 / 0	12940
	32		37 - 43 / 32	12941
45 - 55	Blind	63 / 64	45 - 55 / 0	12945
	32		45 - 55 / 32	12946
	40		45 - 55 / 40	12947
54 - 64	Blind	75 / 76	54 - 64 / 0	12950
	32		54 - 64 / 32	12951
	40		54 - 64 / 40	12952
	50		54 - 64 / 50	12953
62 - 72	Blind	90 / 91	62 - 72 / 0	12955
	32		62 - 72 / 32	12956
	40		62 - 72 / 40	12957
	50		62 - 72 / 50	12958
70 - 80	Blind	90 / 91	70 - 80 / 0	12960
	32		70 - 80 / 32	12961
	40		70 - 80 / 40	12962
	50		70 - 80 / 50	12963
	63		70 - 80 / 63	12964
	32* + 12*		70 - 80 / 32 + 1x12	12965
	*Ø32 and Ø12 with blind plugs preassigned			
85 - 95	Blind	110 / 111	85 - 95 / 0	12970
	32		85 - 95 / 32	12971
	40		85 - 95 / 40	12972
	50		85 - 95 / 50	12973
	63		85 - 95 / 63	12974
96 - 106	Blind	120 / 118	96 - 106 / 0	12980
	32		96 - 106 / 32	12981
	40		96 - 106 / 40	12982
	50		96 - 106 / 50	12983
	63		96 - 106 / 63	12984
	32 + 2x7*		96 - 106 / 32 + 2x7	12986
	*2x Ø7 with blind plugs preassigned			
	40* + 1x12*		96 - 106 / 40 + 1x12	12987
*Ø40 and Ø12 with blind plugs preassigned				



The 4 pipes warranty only applies to faulty material. Checking the suitability of the product for the individual application is solely the responsibility of the user.

Conical Sealing Plug 4 pipes



Application

The **Conical Sealing Plug** needs to be pulled over the pipe before insertion. Lubricant helps to slide the pipe through. When the carrier pipe is in its final position, the plug is pushed into the annular space by hand. The plug can be lightly hammered into its final position. Do not smash the plug collar into the casing.

Material

Rubber: EPDM black
Durometer: 40 \pm 5 Shore A (extra soft)
Height incl. collar: 50 mm

Other material qualities on request.

All plug sizes can be cut on-site using a sharp knife to allow retrofit application. One cut is enough.

