

Plug Seal Inserts **4 pipes**





Lloyd's
certified
3 bar



Product description

Plug Seal Insert 4pipes are developed to seal off annular spaces in wall and ceiling penetrations for pipes and cables. The product is tight against pressing water 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 color coding. Achieving resistance against present chemicals is nearly always possible due to the large choice of rubbers.

Plug seals with quality "FS" are a fire proof 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 is available for 1 hour of fire resistance according to 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, making retrofit installation always possible.

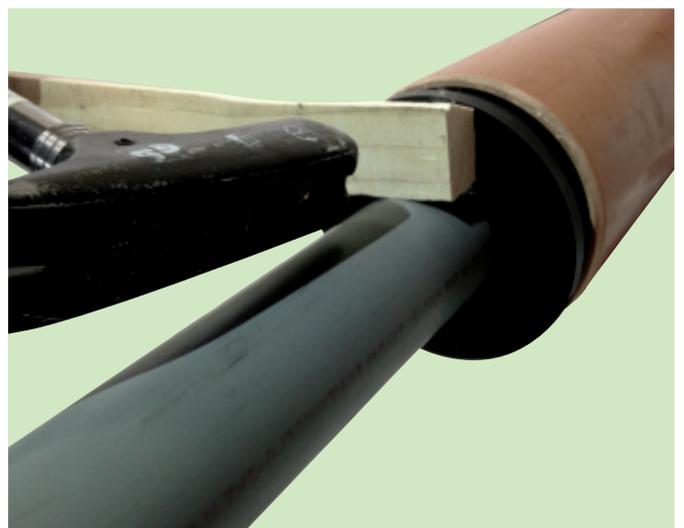
Installation

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 be on the wall equally, but not forced inside the annular space.

Caution!

- Plugs need to be chosen exactly according to pipe and wall
- Later readjusting or retightening is hardly possible after hammering.



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



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 Qualitäten

Material	Color 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 pressing water up to 3 bars, fire resistance for 1 hour, certified by Lloyd's for marine application

The 4 pipes guarantee is limited to the replacement of faulty material. The usability of the product for the individual application is fully under the user's responsibility.