

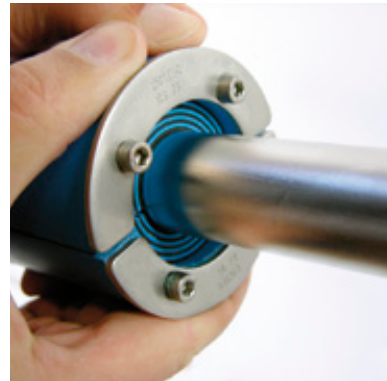
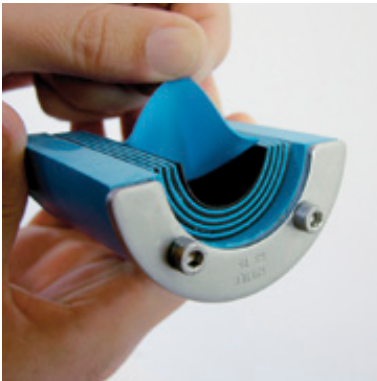


Pipe transits

FOR MARINE AND OFFSHORE APPLICATIONS

The Roxtec sealing system

First class pipe sealing requires first rate solutions. We provide simple, adaptable and secure solutions that are available worldwide.



Roxtec transits are available in a wide range of types and sizes for various environments and use. We supply modular-based transits for multiple pipe penetrations as well as seals for single pipe penetrations. The system includes frames that are filled with adaptable sealing modules and sealed with a compression unit. All Roxtec transits features Multidiameter™, our unique technology based on modules with removable layers.

Multidiameter™

Our invention is as simple as ingenious. Each sealing module consists of two halves of EPDM based rubber with removable layers and a center core. This technology makes it possible to handle and seal pipes of different dimensions simply by peeling off layers from the two halves.

Certified protection

The Roxtec sealing system has been tested and approved for use in A and H class rated sections.



Roxtec cable and pipe transits help you ensure operational reliability by protecting from hazards induced by water, pressure, fire, jetfire and gas. In addition, a special EMC version can be used to prevent electromagnetic disturbances from interfering with the equipment. The Roxtec sealing system is

approved for use in A and H class rated sections. According to IMO 754(18) The system is also approved for water and gas pressure up to 4 bar, and complies with the marine equipment directive (MED). Since certification is constantly updated, please contact us for further information.



Fire



Water



Gaspressure



Vibration



Noise



Electromagnetic disturbance

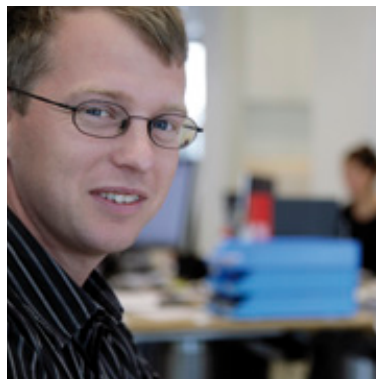


Jet-fire

Global support

We are present in more than 70 markets worldwide, ensuring local support – globally.

We have a network of representatives in more than 70 markets as well as subsidiaries in several countries. Whether you require our products for a new construction or maintenance for an existing vessel or platform, the local distributors, together with our technical service department in Sweden, will make sure you get the support needed.



Solutions for every application

There is a Roxtec transit for almost any type of installation, ranging from one to many pipes, from metal pipes to plastic pipes.

- Copper pipes
- Plastic pipes
- Sprinkler systems
- Hydraulic pipes
- Pneumatic pipes
- Water pipes
- Wastewater pipes
- Restaurant and beverage pipes



Reduces vibration

Over time hull vibrations can cause severe damages to installed pipes. With the dampening effect of the Roxtec sealing system, wear and tear is considerably reduced. It also has a sound dampening effect.



Ready for plastic pipes

Plastic pipes are getting increasingly common in the marine industry because of the demand for lower costs and weight. With the Roxtec plastic pipe sealing you get installations that are safe, and penetrations that are fire-proof and watertight.

- For fresh water
- For grey water
- For black water
- For beverage pipes



Copper pipes

Where single pipes pass through a deck or bulkhead, the Roxtec RS seal is the preferred solution. If a bundle of pipes such as pneumatic copper pipes for valve control pass through, they are often sealed with a Roxtec S frame transit.



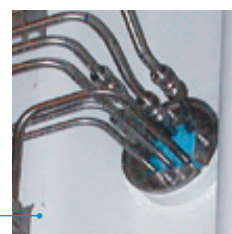
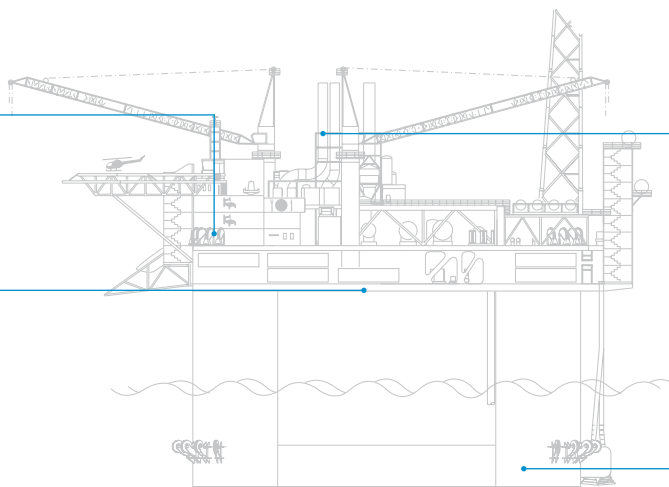
Two Roxtec RS seals, here used for stainless steel pipes.



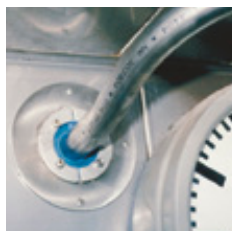
Roxtec R frame for dampening of vibrations.



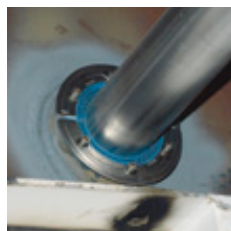
The Roxtec R frame penetration seal can handle several pipes through the same opening.



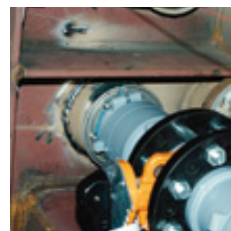
Roxtec R frame for hydraulic or pneumatic pipes.



Roxtec RS seal for sprinkler system in kitchen.



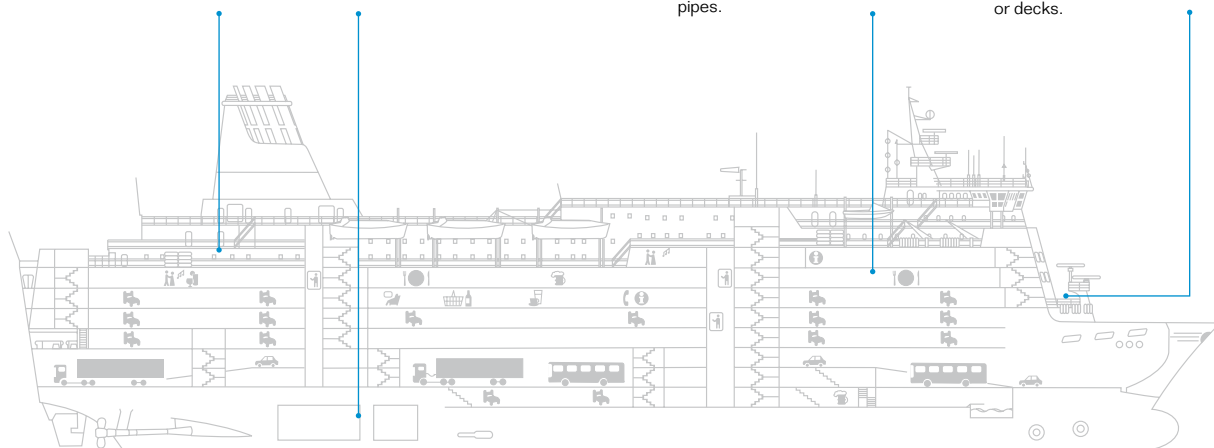
Roxtec RS seals for pipes in main engine room.



Roxtec plastic pipe seal for a wide range of thermoplastic pipes.



Roxtec S frame transits for multiple pipes in bulkheads or decks.



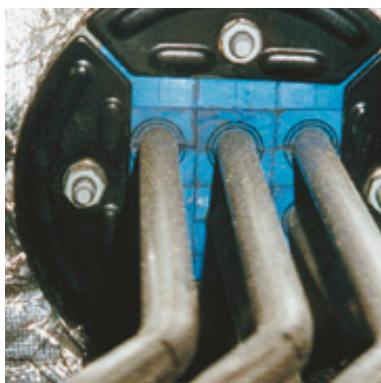
Penetration seals for metal pipes

Roxtec provides several solutions for the sealing of metal pipes. There are frames for round openings as well as for rectangular.



R X and RS X

The Roxtec RX and RS X kits consist of a round penetration and sleeve solution attached to the construction through expansion, when welding is not allowed or desired. The specially designed expansion sleeve has a rubber gasket on the outside and as the bolts on the sleeve are tightened, it expands in the hole to firm attachment. Into the opening of the sleeve is fitted an R frame or an RS seal.



Roxtec R frame

The R frame is a solution for multiple pipe penetrations. It has a round body with a square opening, which is filled with adaptable Roxtec modules. The frames are installed in metal sleeves, which can either be welded or bolted into place. Roxtec provides steel sleeves with or without flange.



Roxtec S frame

Rectangular shaped frames are another possibility for sealing multiple pipes. The frame is welded into the construction and adaptable Roxtec modules are inserted. This frame type (Roxtec S) is available as a single frame and as combinations with several openings side by side and/or on top of each other.



Roxtec RS & RS OMD seal

For single pipe penetrations, Roxtec offers a circular sealing system which is inserted in metal sleeves. Each seal consists of two halves, and the inner diameter of each half is adaptable to fit pipes of different dimensions. The RS OMD also offers adaptable layers on the outside to tailor the fit to the sleeve or hole. Due to the split construction, these products are easily installed around existing pipes too.

Penetration seals for plastic pipes

Three types of Roxtec seals exist for plastic pipes; Roxtec PPSE for many individual pipes, Roxtec RS PPS/S and Roxtec PPS for single pipes or multipipes.



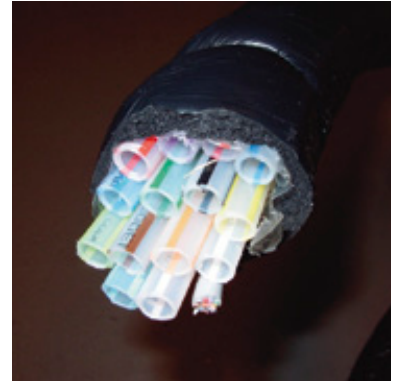
Roxtec PPSE

Roxtec has one of the few modular seals that is certified for use with several types of plastic pipes through a single penetration. By using special extension frames, together with the regular S frame assortment, we can offer solutions to handle several pipes in the same opening. Should a fire occur in the area, an expanding foam insulation covers the pipes and protects against high temperatures.



Roxtec RS PPS

The Roxtec RS PPS (plastic pipe seal) ensures fire-proof and watertight penetrations of plastic pipes. A Roxtec PPS kit consists of two Roxtec RS or C RS seals and an intumescent strip. The strip will expand when exposed to fire, crush the pipe and seal the transit. In case of water or gas pressure, the RS or C RS seals keep the installation tight.



Roxtec PPS for multipipe

The Roxtec PPS is ideal for use in connection with several smaller plastic pipes passing through the same opening. One good example is multipipe solutions in restaurant areas onboard ships and vessels. The pipes, carrying beverages such as beer, wine, white spirits and water, are secured by the Roxtec PPS which achieves a fire-proof and watertight passage of the plastic pipe package.



Roxtec RS PPS/S

The Roxtec RS PPS/S is attached to only one side of a bulkhead or deck. This simplification makes it very fast and easy to install. A short metal sleeve is welded or bolted to the steel division. The RS PPS/S is then inserted into the sleeve around the thermoplastic pipe.



Local presence worldwide

Roxtec is the world-leading provider of flexible sealing solutions for cable and pipe penetrations. Our adaptability solution, Multidiameter™, is based on modules with removable layers. It seals perfectly, regardless of the dimension of the cable or pipe. We are present all over the world in order to ensure product availability as well as quick support and supply.

Sweden, Roxtec International AB, HQ
Argentina, INGIAR Representaciones SRL
Australia, Roxtec Australia Ltd
Belgium, Roxtec b.v.b.a/s.p.r.l
Brazil, Roxtec Latin América Ltda
Chile, FACOR Ltda
China, Roxtec Sealing System (Shanghai) Co. Ltd
Croatia, Roxtec d.o.o.
Czech Republic, Roxtec CZ s.r.o
Denmark, Roxtec ApS
Finland, Roxtec Finland Oy
France, Roxtec France
Germany, Roxtec GmbH
Hungary, Glob-Prot Trade and Service Ltd
India, Roxtec India Pvt Ltd
Italy, Roxtec Italia S.r.l
Japan, Roxtec Japan K.K
Kazakhstan, Company ECOS
Lithuania, SWELBALT
Mexico, Roxtec de México, S.A. de C.V
Nigeria, Structured Resource Business Ltd
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UK/Ireland, Roxtec Ltd
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