



Sealing solutions

for cables, pipes and plastic conduits
in the rolling stock industry

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Protecting life and assets

Benefit from the world's most flexible cable and pipe seals and cable clamping solutions. You can count on our expertise, from design to installation and throughout the lifecycle of your rail vehicles. Aiming to contribute to increased safety and sustainability, we offer a long-term partnership for efficiency and operational reliability.



Application areas

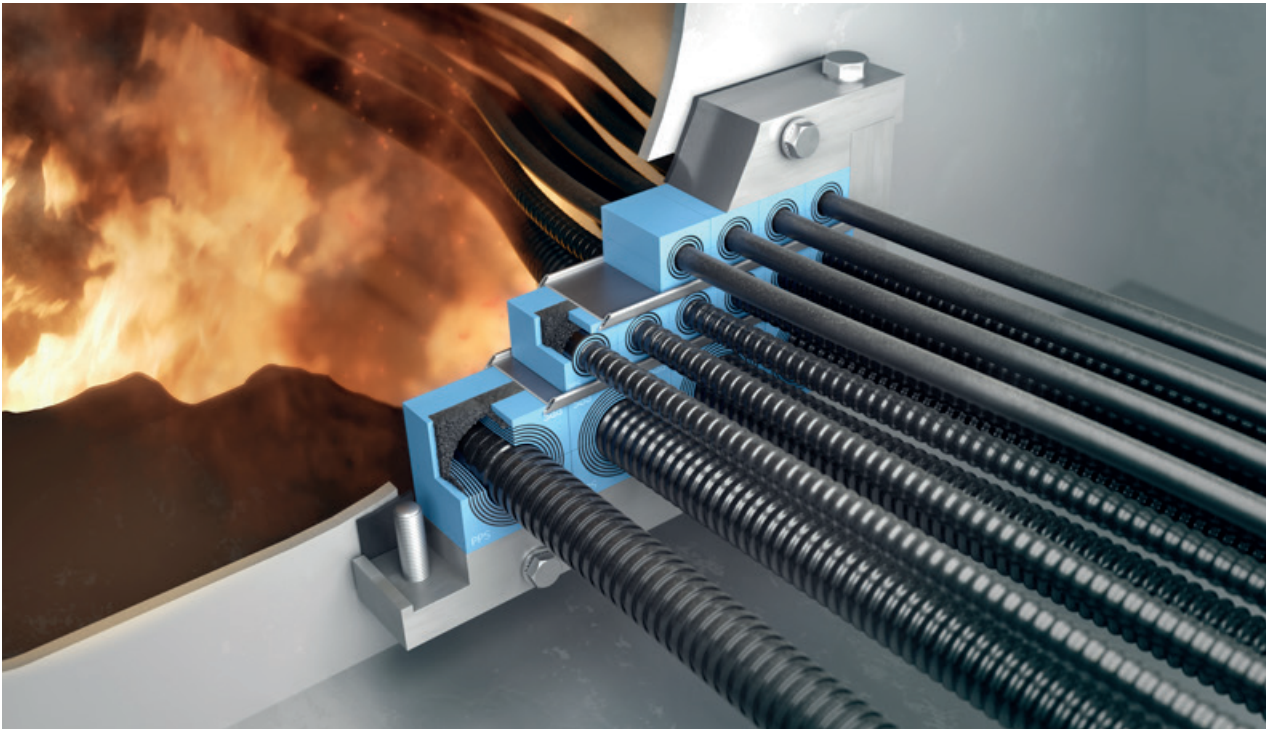
Train manufacturers all over the world rely on the Roxtec sealing system as it covers all their needs for protection against multiple hazards. Our standardized and tailor-made sealing solutions are light, yet very strong, and can be bolted or welded to the structure.

Solutions for any kind of train

High speed trains
Freight trains
EMU/DMU
Metros
Streetcars/LRV
Locomotives

Solutions for any application

Roof-tops
Junction boxes
Partition walls
Floors
Undercarriage
Converters/inverters
Pantographs
Cable management systems
HVAC systems
Air conditioning
Brake systems
Hydraulic applications



Securing multi-hazard protection

Roxtec has developed lightweight materials and compact products that meet and exceed industry requirements. The seals cover the highest fire hazard levels, prevent ingress of water and dust, and withstand shockwaves, vibration, and dynamic forces.

Why use Roxtec seals?



- Fire protection
- Ingress protection
- Shock and vibration resistance
- Weight optimization
- Space-saving design

All ratings you need to guarantee first-class protection.

roxtec.com/rollingstock



Quality assurance ratings

Roxtec seals are tested and approved by renowned testing and certification centers in accordance with several rigorous standards and testing procedures. Roxtec sealing and clamping solutions fulfill the highest safety and quality standards within rolling stock.

Fire protection

- HL3 in accordance with EN 45545:2 (R22, R23)
- Up to EI30/E60 in accordance with EN 45545-3
- Toxicity, flammability, smoke density/release, and toxic gas combustion material tests as required by NFPA 130 (SMP 800-C, ASTM E162, ASTM E662)

Ingress protection

- Up to IP 66/67 in accordance with IEC 60529
- UL type (NEMA) rating up to 4X,13 in accordance with UL 50E

Durability

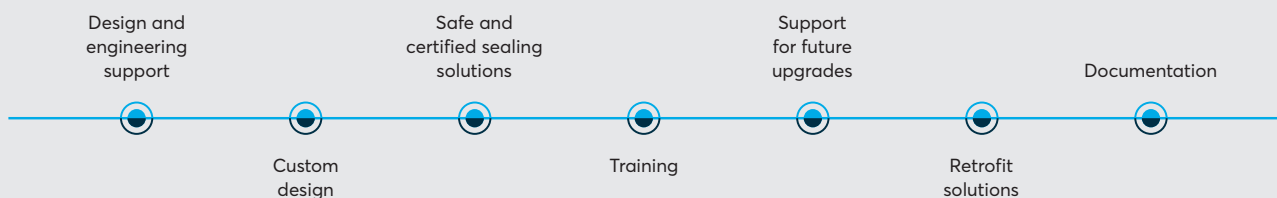
- Shock and vibration up to Category 2 in accordance with IEC 61373
- All welded solutions available with EN 15085 certification upon request
- Solar radiation – IEC 60068-2-5, replicating roof-top conditions

Developing for safety

Our R&D resources, including fire and IP test labs, are at your service. We can work with your team in the product development process. Our ability to perform tests for specific needs enables us to guarantee the performance level of our tailor-made seals. We can help you cover all requirements regarding flammability, smoke emission and toxicity. When the seals fulfill all requirements, the performance is verified at external test labs.



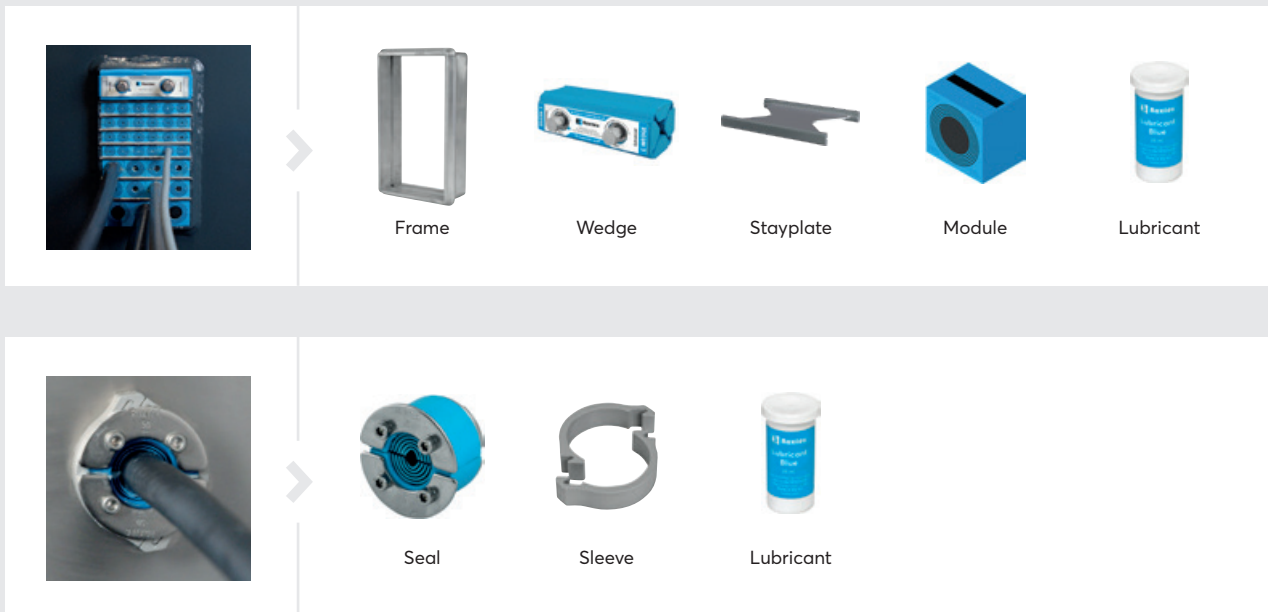
Roxtec support throughout the lifecycle of your project



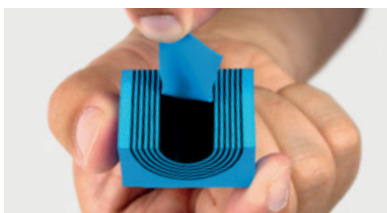
The Roxtec sealing system

Our mechanical system is smart, safe and flexible. We provide standard and customized sealing solutions for one or multiple cables, pipes and plastic conduits as well as pre-configured kits.

Components for rectangular and round solutions



Roxtec ensures a perfect fit, regardless of the dimension of the cable, pipe or plastic conduit.



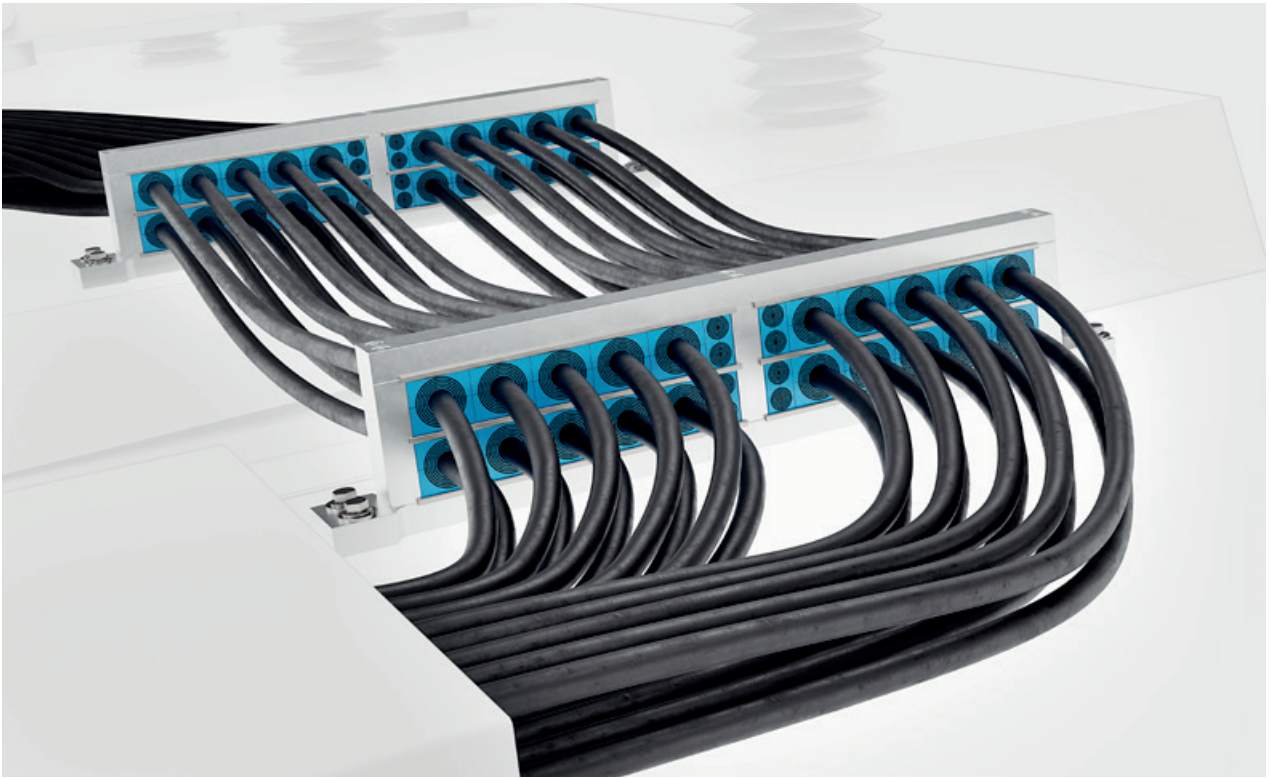
Roxtec Multidiameter™ is an innovation for flexibility based on removable layers.



It makes the mechanical system adaptable to cables, pipes and plastic conduits of different sizes.



With only a few parts you get a strong reliable barrier securing operational performance.



Roxtec solutions for cable clamping

Cable failure can cause traffic standstills. Roxtec cable clamping solutions, consisting of a frame/bracket and rubber modules, contribute to reliable operation.

The modules are inserted around the cables in the frame/bracket, which is attached to the structure. The cable retention capabilities are gentle to the cable, protecting it from damage and extending the lifetime of both the cable and the unit. As experts in cable management, we can solve your clamping needs with standard, adapted or customized solutions.

Application areas

- Intercar clamping
- Bogie clamping
- Other clamping

Easy installation

Roxtec seals are quick and easy to install. You can open and reinstall them after design changes and save time by using the built-in spare capacity for upgrades with additional cables and pipes. You can always find best practice on roxtec.com/installation.



Support online and onsite



Installation videos

Watch and learn the safest sealing process.



Installation tools

Speed up daily work with our smart tools.

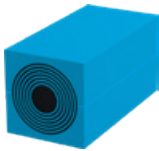


Installation training

Let your team learn our best tips and tricks.

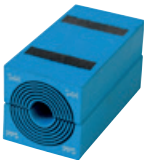
Roxtec sealing modules

We offer RM (regular) and CM (compact) modules and special versions of them, such as the PPS solutions for fire protection of plastic conduits. We also offer modules for specific needs in the industry, such as the CRF variants for easy serial production.



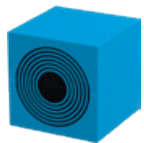
Roxtec RM modules – for cables and pipes of different sizes

Regular modules with Multidiameter™ enable sealing around cables and pipes of many sizes. The flexibility makes it easy to handle changes and use the spare capacity for additional cables.



Roxtec RM PPS modules – for fire protection of plastic conduits

Regular modules, developed to maintain fire barrier protection when using plastic conduits. Multidiameter™ ensures adaptability to conduits of different sizes. We can also provide customized fixed diameter versions.



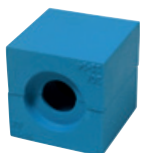
Roxtec CM modules – for weight reduction

Compact modules with Multidiameter™ enable you to reduce weight and seal around cables and pipes of many sizes. The flexibility makes it easy to handle changes and use the spare capacity for additional cables. We can also provide customized fixed diameter versions.



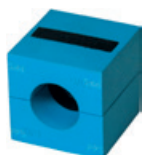
Roxtec CM PPS modules – for fire protection of plastic conduits

Compact modules for plastic conduits allow you to pass conduits of size NW 07-48 through structures without any need for connectors. Multidiameter™ ensures adaptability to conduits of different sizes.



Roxtec CRF modules – for fast, repetitive cable and pipe sealing

CRF modules allow for fast installation in serial production settings with known cable dimensions. The compact and lightweight modules have no removable layers but provide a certain cable size tolerance thanks to their unique design.



Roxtec CRF PPS modules – conduit firestop for serial production

CRF modules for plastic conduits allow for fast installation of known conduit dimensions. The compact and lightweight modules have no removable layers but provide a certain cable size tolerance thanks to their unique design.

Customization capabilities

We create, test and provide tailor-made seals and firestops to cover and fulfill specific technical needs and safety requirements.

The customization process can be applied to all parts of the sealing solution for cables, pipes and conduits, including:

- Material
- Size
- Bolting pattern
- Cable configuration
- Cable sizes
- Tolerances
- Flange design



Tailor-made kit packing

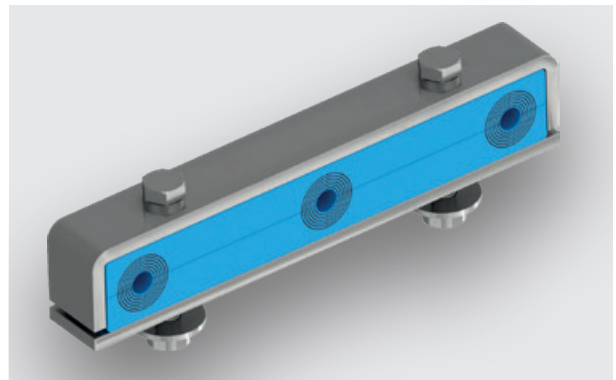
We customize packages with one part number for you to enable standardization, minimize the number of articles, and simplify installation. Roxtec kits are clearly arranged, include all components and are optimized to cover your configuration needs.

- Minimize logistics
- Ensure cost-savings
- Increase productivity



Customization of cable clamping solutions

We can tailor and test engineered high quality cable retention solutions to help you handle constant movements and vibrations paired with the harsh environment on the undercarriage and on the roof-top of the railway vehicle. It is crucial to ensure consistent strain relief to avoid pre-mature wear of cables and electric discontinuity.





Roxtec is a global company with a strong local presence

You can always reach a Roxtec representative in your region. We are present all over the world to ensure everything from quick support to smooth logistics and on-time deliveries from local stocks.

It is our job to help engineers and contractors succeed if there are late changes in design or production requirements. We support and deliver to all global manufacturers within the rolling stock

industry. Our local presence around the world enables us to contribute with global coordination for multinational companies.

Reach your Roxtec contact via roxtec.com

Regular rectangular sealing solutions

Use the table to find a solution matching your needs. You are always welcome to contact your Roxtec representative for assistance.



				GH	S	SK
Multiple pass-through						
Customization adaptability						
ES version available*						
BG version available**						
Ex version available***						
RATINGS	Hazard level	EN 45545-2	HL3			
	Fire barrier	EN 45545-3	EI30 / E60			
	Material test	NFPA 130				
	Tightness	IEC 60529	IP 66/67			
	Shock & Vibration	IEC 61373	Cat 2			
	Welding of Railway Vehicles & Components	EN 15085		O.R.	O.R.	O.R.
INSTALLATION	Cables					
	Plastic conduits					
	Welded					
	Bolted					



Complete product data online

Please visit roxtec.com/products for the latest and complete information on our sealing solutions. All technical data, such as product dimensions, ratings and certificates, drawings and installation instructions, are available online.



		GH	S	SK
MODULE	RM	●	●	●
	RM PPS	●	●	●
MATERIAL	Aluminum		●	●
	Stainless steel	●	●	●
	Primed mild steel		●	●
	Galvanized mild steel	●		
APPLICATION AREAS	Floors	●	●	●
	Partition walls	●	●	●
	Rooftops	●	●	●

*Electromagnetic shielding

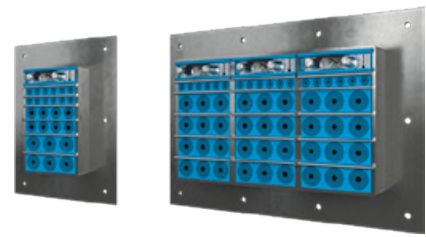
**Bonding and grounding

***IECEx/ATEX rated

O.R. = Available upon request

Roxtec GH transit

Transit with flange, for casting or bolting.



The Roxtec GH is a cable and pipe seal for casting in concrete or bolting onto even structures. The rectangular steel frame allows for high cable and pipe packing density. The transit can be used with a GE extension frame to cover the depth of a thick wall.

- Rodent resistant
- Easy to maintain and inspect
- Provides built-in spare capacity
- Can be customized according to specific requirements

Installation

Structure of installation:

- Metal
- Concrete
- Sandwich panel
- Gypsum

Mounting type:

- Bolting
- Casting

Ratings & certificates

Fire:

- E/EI rating according to EN 13501
- E/EI rating according to EN 45545 E60
- F/T rating according to UL 1479

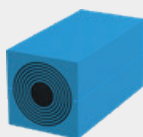
Tightness:

- Gas: 0.1 bar (catastrophic)
- IP 66/67 according to IEC 60529
- IP 68

Sealing components



Roxtec GH frame



Roxtec RM module with Multidiameter™



Roxtec Wedge & Wedge kit



Roxtec Stayplate



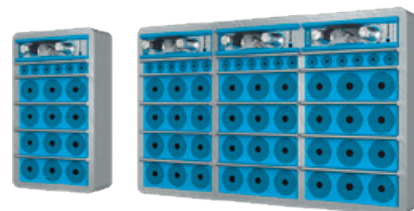
Roxtec Lubricant



Roxtec sealing kit

Roxtec S transit

Transit for welding to the structure.



The Roxtec S is a multi-cable and pipe transit available in different materials and with a single or various combinations of openings. The transit frame is produced in 10mm thick metal and is attached to the structure by welding. The sealing modules are adaptable to cables and pipes of different sizes, and can be used to build in spare capacity in the transit.

- Easy to maintain and inspect
- Provides built-in spare capacity
- Can be customized according to specific requirements

Installation

Structure of installation:

- Metal

Mounting type:

- Welding

Ratings & certificates

Fire:

- E/EI rating according to EN 45545 E60
- A-CLASS according to IMO 2010 FTP Code
- H-CLASS according to IMO 2010 FTP Code + HC fire load curve
- Jet fire according to ISO 22899-1 and OTI 95634

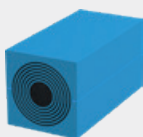
Tightness:

- Gas: 2.67 bar (catastrophic)
- Water: 4 bar (catastrophic)
- IP 66/67 according to IEC 60529

Sealing components



Roxtec S frame



Roxtec RM module with Multidiameter™



Roxtec Wedge & Wedge kit



Roxtec Stayplate



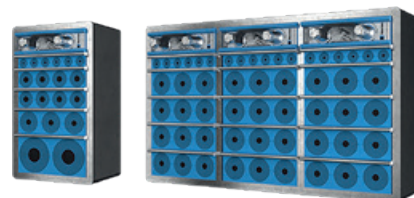
Roxtec Lubricant



Roxtec sealing kit

Roxtec SK transit

Transit with extra deep metal frame for welding to the structure.



The Roxtec SK is a cable and pipe transit with extended depth that is available in different materials and in a single or various combinations of openings. The metal transit frame is attached through welding and used for an angular attachment to accommodate stiff cables that do not pass in a straight angle through a deck or bulkhead. The seal also allows for an increased distance between the packing space and the structure. The standard sealing modules are adaptable to cables and pipes of different sizes and can be used to build in spare capacity in the transit.

- Easy to maintain and inspect
- Can be customized according to specific requirements

Installation

Structure of installation:

- Metal

Mounting type:

- Welding

Ratings & certificates

Fire:

- A-CLASS according to IMO 2010 FTP Code
- E/EI rating according to EN 45545 E60
- H-CLASS according to IMO 2010 FTP Code + HC fire load curve
- Jet fire according to ISO 22899-1 and OTI 95634

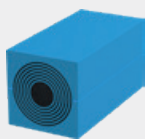
Tightness:

- Gas: 2.67 bar (catastrophic)
- Water: 4 bar (catastrophic)

Sealing components



Roxtec SK frame



Roxtec RM module with Multidiameter™



Roxtec Wedge & Wedge kit



Roxtec Stayplate



Roxtec Lubricant



Roxtec sealing kit

Notes

[illegible]

Compact rectangular sealing solutions

Use the table to find a solution matching your needs. You are always welcome to contact your Roxtec representative for assistance.



			CF 24	CRF	CLH	CLW / K	CF 8/32	ComSeal	EzEntry
Multiple pass-through			⊙	⊙	⊙	⊙	⊙	⊙	⊙
Customization adaptability			⊙	⊙	⊙	⊙	⊙	⊙	⊙
ES version available**							⊙	⊙	
BG version available***							⊙	⊙	
Ex version available****							⊙		
RATINGS	Hazard level	EN 45545-2 HL3	⊙	⊙	⊙	⊙	⊙	⊙	
	Fire barrier	EN 45545-3 EI15	⊙	⊙	⊙	⊙	⊙	⊙	
		EI30	⊙	⊙	⊙	⊙		⊙	
	Material test	NFPA 130	⊙	⊙	⊙	⊙	⊙		
	Tightness	IEC 60529 IP 55						⊙	
		IP 66		⊙	⊙	⊙			
		IP 66/67	⊙				⊙		⊙
	Shock & Vibration	IEC 61373 Cat 2	⊙	⊙	⊙	⊙	⊙		
INSTALLATION	Welding of Railway Vehicles & Components	EN 15085 CL 2/CP			⊙	⊙			
		C3/CT3			⊙	⊙			
	Cables		⊙	⊙	⊙	⊙	⊙	⊙	⊙
	Pipes		⊙	⊙	⊙	⊙			
	Plastic conduits		⊙	⊙	⊙	⊙			
	Welded					⊙			
	Bolted		⊙	⊙	⊙		⊙	⊙	⊙
	Openable		⊙	⊙					



Complete product data online

Please visit roxtec.com/products for the latest and complete information on our sealing solutions. All technical data, such as product dimensions, ratings and certificates, drawings and installation instructions, are available online.



		CF 24	CRF	CLH	CLW / K	CF 8/32	ComSeal	EzEntry
MODULE	CM	●	●	●	●	●	●	●
	CM PPS	●	●	●	●			
	CRF		●					
	CRF PPS		●					
MATERIAL	Aluminum	●	●	●	●	●	●	
	Composite							●
APPLICATION AREAS	Floors			●	●			
	Partition walls	●	●	●	●			
	Cable management	●	●					
	Enclosures	●	●					● *
	Cabinets	●	●	●	●			● *
	Converters					●	●	
	Inverters					●	●	
	Junction boxes					●	●	

*Indoor applications

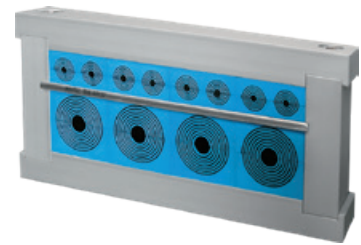
**Electromagnetic shielding

***Bonding and grounding

****IECEx/ATEX rated

Roxtec CF 24 transit

Openable transit for cabinets and enclosures.



The Roxtec CF 24 entry seal has a bolted together frame made from aluminum. Compression is integrated in the frame. The frame is openable and easily installed around existing cables. The product is supplied as ready-made kits which include all necessary components.

- Light-weight
- Area efficient
- Perfect for retrofit
- Can be customized according to specific requirements

Installation

Structure of installation:

- Cabinets & enclosures

Ratings & certificates

Fire:

- E/EI rating according to EN 45545 E30

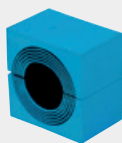
Tightness:

- IP 66/67 according to IEC 60529

Sealing components



Roxtec CF 24 frame



Roxtec CM module with Multidiameter™



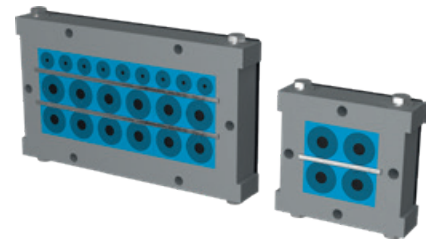
Roxtec C Stayplate



Roxtec Lubricant

Roxtec CRF transits

For cables or plastic conduits in rolling stock.



The Roxtec CRF transit is designed and tested for rolling stock applications. The lightweight aluminum frame is openable to simplify initial installations and retrofit work when cables or plastic conduits need to be added or changed. The frame can accommodate either Roxtec CM or CM PPS sealing modules with Multidiameter™ for adaptability to cable dimensions or Roxtec CRF or CRF PPS modules for fast serial production with known cable sizes. The PPS versions of the two types of modules provide fire protection for plastic conduit applications.

- Light-weight
- Area efficient
- Can be customized according to specific requirements

Installation

Structure of installation:

- Cabinets & enclosures

Ratings & certificates

Fire:

- E/EI rating according to EN 45545 E30
- HL3 according to EN 45545-2 (R22, R23)

Tightness:

- IP 66 according to IEC 60529

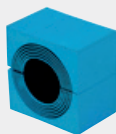
Supports:

- Shock & Vibration Category 2 according to IEC 61373

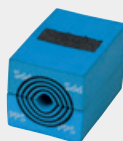
Sealing components



Roxtec CRF frame



Roxtec CM module with Multidiameter™



Roxtec CM PPS module with Multidiameter™



Roxtec CRF modules



Roxtec CRF PPS modules



Roxtec C Stayplate



Roxtec Lubricant Blue

Roxtec C LH transit

Lightweight transit for bolting to the structure.



The Roxtec C LH is a compact lightweight yet very strong multi-cable and pipe transit available in five different sizes. The transit frame is produced in aluminum and is attached to the structure by bolting. The sealing modules are adaptable to cables and pipes of different sizes, and can be used to build in spare capacity in the transit. Providing ingress and fire protection as well as vibration-proof cable retention, it is ideal for floor and wall applications in mobility sectors such as rolling stock.

- Light-weight
- Area efficient
- Provides built-in spare capacity
- Can be customized according to specific requirements

Installation

Structure of installation:

- Metal
- Cabinets & enclosures

Mounting type:

- Bolting

Ratings & certificates

Fire:

- E/EI rating according to EN 45545 E30
- HL3 according to EN 45545-2 (R22, R23)

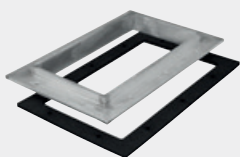
Tightness:

- IP 66 according to IEC 60529

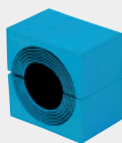
Supports:

- Shock & Vibration Category 2 according to IEC 61373

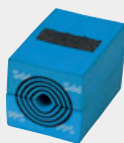
Sealing components



Roxtec C LH frame



Roxtec CM module with Multidiameter™



Roxtec CM PPS module with Multidiameter™



Roxtec C Wedge & C Wedge kit



Roxtec C Stayplate



Roxtec Lubricant Blue

Roxtec C LW/K transit

Lightweight transit for welding to the structure.



The Roxtec C LW/K are compact and lightweight yet very strong sealing solutions for multi-cable and pipe transits. The transit frames are produced in aluminum, available in five different sizes and come in versions with different depth: the C LW frame is 30mm deep while the C LWK frame has an extended depth of 60mm. They are attached to the structure by welding. The sealing modules are adaptable to cables, pipes and conduits of different sizes, and can be used to build in spare capacity in the transit. Providing ingress and fire protection as well as vibration-proof cable retention, it is ideal for floor and wall applications in mobility sectors such as rolling stock.

- Light-weight
- Area efficient
- Provides built-in spare capacity
- Can be customized according to specific requirements

Installation

Structure of installation:

- Metal
- Cabinets & enclosures

Mounting type:

- Welding

Ratings & certificates

Fire:

- E/EI rating according to EN 45545 E30
- HL3 according to EN 45545-2 (R22, R23)

Tightness:

- IP 66 according to IEC 60529

Supports:

- Shock & Vibration Category 2 according to IEC 61373

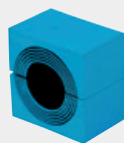
Sealing components



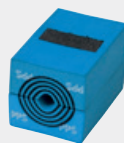
Roxtec C LW frame



Roxtec C LWK frame



Roxtec CM module with Multidiameter™



Roxtec CM PPS module with Multidiameter™



Roxtec C Wedge & C Wedge kit



Roxtec C Stayplate



Roxtec Lubricant Blue

Roxtec CF 8/32 transit

High cable density transit with aluminum frame.



The Roxtec CF 8 and CF 32 cable entry seals have frames of cast aluminum and sealing modules which are adaptable to a variety of cable sizes.

- Rodent resistant
- Light-weight
- Area efficient
- Allows pre-terminated cables
- Can be customized according to specific requirements

Installation

Structure of installation:

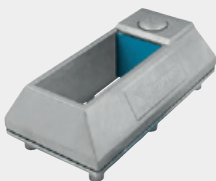
- Cabinets & enclosures

Ratings & certificates

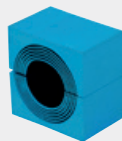
Tightness:

- IP 66/67 according to IEC 60529
- UL/NEMA 4,4X,12,13

Sealing components



Roxtec CF 8/32 frame



Roxtec CM module
with Multidiameter™



Roxtec Lubricant

Roxtec ComSeal™

IP 55 rated entry seals with aluminum frame.



The Roxtec ComSeal™ is rated for IP 55 and available with powder coated aluminum. The transit is available in six different sizes to accommodate up to 32 cables.

- Rodent resistant
- Corrosion resistant
- Light-weight
- Area efficient
- Can be customized according to specific requirements

Installation

Structure of installation:

- Cabinets & enclosures

Ratings & certificates

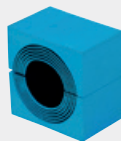
Tightness:

- IP 55 according to IEC 60529
- UL/NEMA 3,12,12K

Sealing components



Roxtec ComSeal™ frame



Roxtec CM module
with Multidiameter™



Roxtec Assembly
Gel

Roxtec EzEntry™

Light-weight cable entry seals with composite frame.



The Roxtec EzEntry™ cable entry seals have light-weight composite frames and fit directly into standard openings. The seals are available in six sizes for cable capacity from 4 to 32 cables, and provide IP 66/67 protection.

- Corrosion resistant
- Area efficient
- Allows pre-terminated cables
- Can be customized according to specific requirements

Installation

Structure of installation:

- Cabinets & enclosures

Ratings & certificates

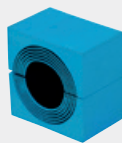
Tightness:

- IP 66/67 according to IEC 60529
- UL/NEMA 4,4X,12,13

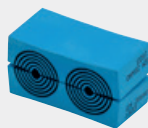
Sealing components



Roxtec EzEntry™
frame



Roxtec CM module
with Multidiameter™



Roxtec EM module
with Multidiameter™



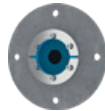
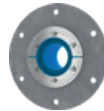
Roxtec Lubricant

Notes

[illegible]

Regular round sealing solutions

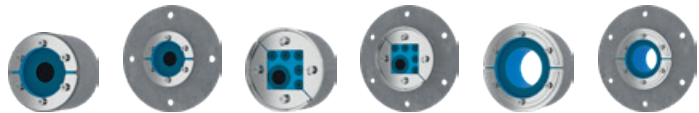
Use the table to find a solution matching your needs. You are always welcome to contact your Roxtec representative for assistance.

									
				RS PPS/S + SL RS	RS PPS/S + SLF RS	R + SL R	R + SLF R	RS + SL RS	RS + SLF RS
Multiple pass-through						⊙	⊙		
Single pass-through				⊙	⊙			⊙	⊙
Customization adaptability				⊙	⊙	⊙	⊙	⊙	⊙
ES version available*						⊙	⊙	⊙	⊙
BG version available**								⊙	⊙
Ex version available***						⊙	⊙	⊙	⊙
RATINGS	Hazard level	EN 45545-2	HL3	⊙	⊙	⊙	⊙	⊙	⊙
	Fire barrier	EN 45545-3	E30			⊙	⊙	⊙	⊙
			E60	⊙	⊙				
	Material test	NFPA 130		⊙	⊙	⊙	⊙	⊙	⊙
	Tightness	IEC 60529	IP 66/67	⊙	⊙	⊙	⊙	⊙	⊙
	Shock & Vibration	IEC 61373	Cat 2			⊙	⊙	⊙	⊙
INSTALLATION	Cables					⊙	⊙	⊙	⊙
	Pipes							⊙	⊙
	Plastic conduits			⊙	⊙	⊙	⊙		
	Welded			⊙		⊙		⊙	
	Bolted				⊙		⊙		⊙



Complete product data online

Please visit roxtec.com/products for the latest and complete information on our sealing solutions. All technical data, such as product dimensions, ratings and certificates, drawings and installation instructions, are available online.



		RS PPS/S + SL RS	RS PPS/S + SLF RS	R + SL R	R + SLF R	RS + SL RS	RS + SLF RS
MODULE	RM			⊙	⊙		
	RM PPS			⊙	⊙		
	Complete solution	⊙	⊙			⊙	
MATERIAL	Aluminum	⊙	⊙	⊙	⊙	⊙	⊙
	Stainless steel	⊙	⊙	⊙	⊙	⊙	⊙
	Primed mild steel	⊙	⊙	⊙	⊙	⊙	⊙
	Galvanized mild steel		⊙		⊙		⊙
APPLICATION AREAS	Floors	⊙	⊙	⊙	⊙	⊙	⊙
	Partition walls	⊙	⊙	⊙	⊙		
	Roof tops			⊙	⊙	⊙	⊙
	Pantograph					⊙	⊙

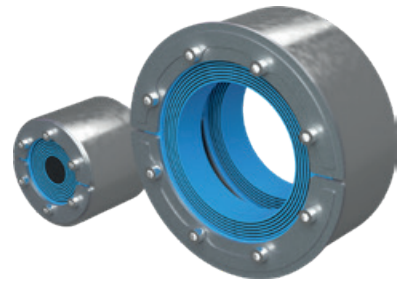
*Electromagnetic shielding

**Bonding and grounding

***IECEX/ATEX rated

Roxtec RS PPS/S seal with SL RS

Light-weight plastic pipe seal for single-side installation.



The Roxtec RS PPS/S with SL RS is a seal for openings with plastic pipes in fire rated areas, such as steel decks and bulkheads. The seal ensures complete blocking of smoke, flames and water in case of fire and is approved for single-side installation. The transit is adaptable to pipes of different sizes through removable layers and includes a sleeve for welding to the structure. For plastic pipes up to 119mm.

- Quick and easy to install
- Can be customized according to specific requirements

Installation

Structure of installation:

- Metal

Mounting type:

- Welding

Ratings & certificates

Fire:

- A-CLASS according to IMO 2010 FTP Code
- E/EI rating according to EN 45545 E60

Tightness:

- Gas: 2 bar (catastrophic)
- Water: 4 bar (catastrophic)
- IP 68

Sealing components



Roxtec RS PPS/S seal



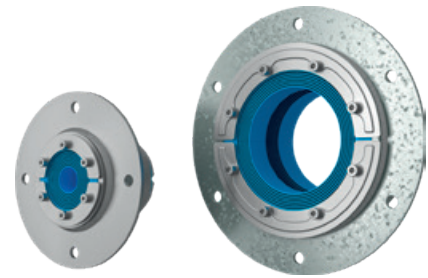
Roxtec SL RS sleeve



Roxtec Lubricant

Roxtec RS PPS/S seal with SLF RS

Light-weight plastic pipe seal for single-side installation.



The Roxtec RS PPS/S with SLF RS is a seal for openings with plastic pipes in fire rated areas, such as steel decks and bulkheads. The seal ensures complete blocking of smoke, flames and water in case of fire and is approved for single-side installation. The transit is adaptable to cables and pipes of different sizes through removable layers and includes a sleeve for bolting to the structure. For plastic pipes up to 119mm.

- Quick and easy to install
- Adapts to cables and pipes of different sizes
- Can be customized according to specific requirements

Installation

Structure of installation:

- Metal
- Sandwich panel

Mounting type:

- Bolting

Ratings & certificates

Fire:

- A-CLASS according to IMO 2010 FTP Code
- E/EI rating according to EN 45545 E60

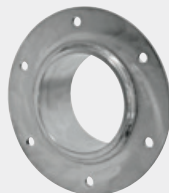
Tightness:

- Gas: 2 bar (catastrophic)
- Water: 4 bar (catastrophic)
- IP 68

Sealing components



Roxtec RS PPS/S seal



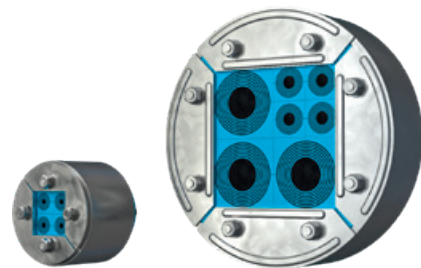
Roxtec SLF RS sleeve



Roxtec Lubricant

Roxtec R transit with SL R

Round transit for sealing of multiple cables and pipes in a limited area.



The Roxtec R with SL R is a cable and pipe transit with sleeve for round holes. The compression is integrated in the transit frame so it seals by expansion. The standard sealing modules are adaptable to cables and pipes of different sizes and can also be used to build in spare capacity in the transit. The net on the backside protects during horizontal installations (not included in R 70 and R 75). The sleeve is welded to the structure.

- Rodent resistant
- Easy to maintain and inspect
- Can be customized according to specific requirements

Installation

Structure of installation:

- Metal

Mounting type:

- Welding

Ratings & certificates

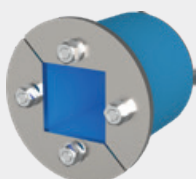
Fire:

- A-CLASS according to IMO 2010 FTP Code
- E/EI rating according to EN 45545 E30
- H-CLASS according to IMO 2010 FTP Code + HC fire load curve

Tightness:

- Gas: 2.5 bar (catastrophic)
- Water: 4 bar (catastrophic)
- IP 68

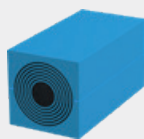
Sealing components



Roxtec R frame



Roxtec SL R sleeve



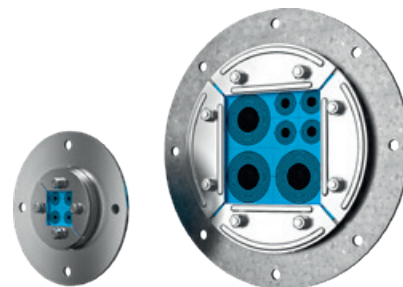
Roxtec RM module with Multidiameter™



Roxtec Lubricant

Roxtec R transit with SLF R

Round transit for sealing around multiple cables and pipes in a limited area.



The Roxtec R with SLF R is a cable and pipe transit with sleeve for round holes. The compression is integrated in the transit frame so it seals by expansion. The standard sealing modules are adaptable to cables and pipes of different sizes, and can be used to build in spare capacity in the transit. The net on the backside protects during horizontal installations (not included in R 70 and R 75). The sleeve is bolted to the structure.

- Rodent resistant
- Easy to maintain and inspect
- Can be customized according to specific requirements

Installation

Structure of installation:

- Metal
- Sandwich panel
- Gypsum

Mounting type:

- Bolting

Ratings & certificates

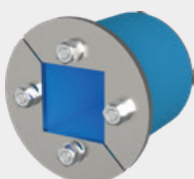
Fire:

- A-CLASS according to IMO 2010 FTP Code
- E/EI rating according to EN 13501
- E/EI rating according to EN 45545 E30
- F/T rating according to UL 1479
- H-CLASS according to IMO 2010 FTP Code + HC fire load curve

Tightness:

- Gas: 2.5 bar (catastrophic)
- Water: 4 bar (catastrophic)
- IP 68

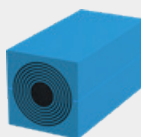
Sealing components



Roxtec R frame



Roxtec SLF R sleeve



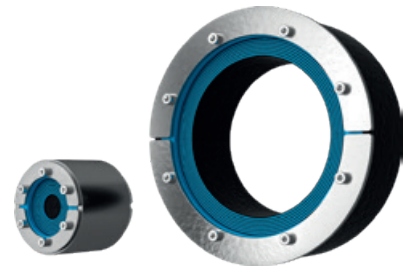
Roxtec RM module with Multidiameter™



Roxtec Lubricant

Roxtec RS seal with SL RS

Penetration seal for a single cable or pipe.



The Roxtec RS with SL RS is a seal with metal sleeve for single cables or pipes. The entry seal has two halves with removable layers making it adaptable to cables and pipes of different sizes. The sleeve is welded to the structure.

- Quick and easy to install
- Provides excellent cable retention
- Can be customized according to specific requirements

Installation

Structure of installation:

- Metal

Mounting type:

- Welding

Ratings & certificates

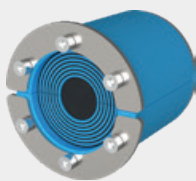
Fire:

- A-CLASS according to IMO 2010 FTP Code
- E/EI rating according to EN 45545 E30
- H-CLASS according to IMO 2010 FTP Code + HC fire load curve
- Jet fire according to ISO 22899-1 and OTI 95634

Tightness:

- Gas: 2.67 bar (catastrophic)
- Water: 4 bar (catastrophic)
- IP 68
- UL/NEMA 4,4X,12,13

Sealing components



Roxtec RS seal



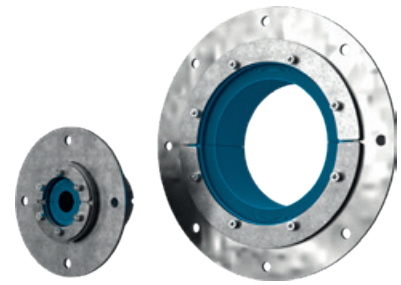
Roxtec SL RS sleeve



Roxtec Lubricant

Roxtec RS seal with SLF RS

Penetration seal for a single cable or pipe.



The Roxtec RS with SLF RS is a seal with metal sleeve for single cables or pipes. The entry seal has two halves with removable layers making it adaptable to cables and pipes of different sizes. The sleeve is bolted to the structure.

- Quick and easy to install
- Provides excellent cable retention
- Can be customized according to specific requirements

Installation

Structure of installation:

- Gypsum
- Sandwich panel
- Metal

Mounting type:

- Bolting

Ratings & certificates

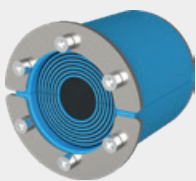
Fire:

- A-CLASS according to IMO 2010 FTP Code
- E/EI rating according to EN 13501
- E/EI rating according to EN 45545 E30
- F/T rating according to UL 1479
- H-CLASS according to IMO 2010 FTP Code + HC fire load curve
- Jet fire according to ISO 22899-1 and OTI 95634

Tightness:

- Gas: 2.67 bar (catastrophic)
- Water: 4 bar (catastrophic)
- IP 68
- UL/NEMA 4,4X,12,13

Sealing components



Roxtec RS seal



Roxtec SLF RS sleeve



Roxtec Lubricant

Compact round sealing solutions

Use the table to find a solution matching your needs. You are always welcome to contact your Roxtec representative for assistance.

						
				CRST	CRS SLO	RG M63
Multiple pass-through						●
Single pass-through				●	●	
Customization adaptability				●	●	●
RATINGS	Hazard level	EN 45545-2	HL3	●	●	●
	Fire barrier	EN 45545-3	E30		●	
	Material test	NFPA 130		●	●	●
	Tightness	IEC 60529	IP 66		●	
			IP 66/67	●		●
	Shock & Vibration	IEC 61373	Cat 2		●	
INSTALLATION	Cables				●	●
	Pipes			●	●	
	Openable				●	
	Bolted			●		●
MODULE	Complete solution			●	●	●



Complete product data online

Please visit roxtec.com/products for the latest and complete information on our sealing solutions. All technical data, such as product dimensions, ratings and certificates, drawings and installation instructions, are available online.



		CRST	CRSSLO	RGM63
MATERIAL	Aluminum		●	
	Stainless steel	●		●
APPLICATION AREAS	Cabinets	●	●	●
	Enclosures	●	●	●

Roxtec C RS T seal

Round seal for single cable entries.



The Roxtec C RS T is a compact entry seal for single cables requiring a rating up to IP 69K. The seal is available with housing in stainless steel or nickel-plated brass. The cable transit device is available in four sizes to cover cables ranging from 3.6 to 30mm.

- Light-weight
- Allows pre-terminated cables
- Can be customized according to specific requirements

Installation

Structure of installation:

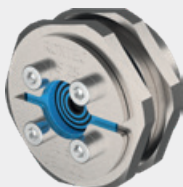
- Cabinets & enclosures

Ratings & certificates

Tightness:

- UL/NEMA 4,4X,12,13
- IP 66/67 according to IEC 60529
- IP 69K according to IEC 60529 / ISO 20653

Sealing components



Roxtec C RS T kit

Roxtec C RS SLO seal

Round seal for space and weight optimization.



The Roxtec C RS SLO is a lightweight yet very strong sealing solution for single cable and pipe entries in cabinets, enclosures, and equipment. Providing ingress and fire protection as well as vibration-proof cable retention, it is ideal for mobility sectors such as rolling stock. The solution consists of an adaptable Roxtec C RS seal and a Roxtec C SLO sleeve. It is available in four different sizes to cover cables and pipes ranging from 4 to 54 mm.

- Light-weight
- Area efficient
- Allows pre-terminated cables
- Openable
- Can be customized according to specific requirements

Installation

Structure of installation:

- Cabinets & enclosures

Ratings & certificates

Fire:

- E/EI rating according to EN 45545 E30
- HL3 according to EN 45545-2 (R22, R23)

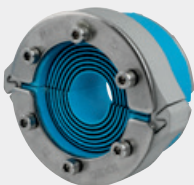
Tightness:

- IP 66 according to IEC 60529

Supports:

- Shock & Vibration Category 2 according to IEC 61373

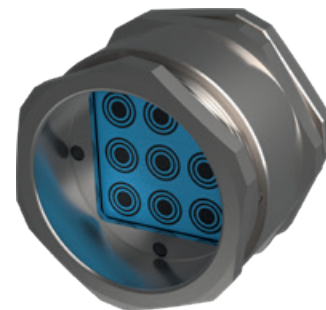
Sealing components



Roxtec C RS SLO seal

Roxtec RG M63 seal

Round cable entry for standard round knock-outs.



The Roxtec RG M63 is a round entry seal for multiple cables. The transit fits standard ISO 63 knock-outs and can accommodate from 1 to 9 cables. This cable gland option is available in 316 stainless steel.

- Area efficient
- Allows pre-terminated cables
- Can be customized according to specific requirements

Installation

Structure of installation:

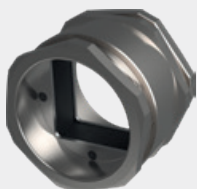
- Cabinets & enclosures

Ratings & certificates

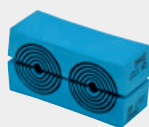
Tightness:

- IP 66/67 according to IEC 60529
- UL/NEMA 4,4X,12,13

Sealing components



Roxtec RG M63 frame



Roxtec GM module with Multidiameter™



Roxtec Lubricant



Roxtec RG M63 tools

Disclaimer

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(b) Installation shall be carried out in accordance with Roxtec installation instructions in effect from time to time.

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Protecting life and assets

Roxtec is a leader within flexible cable and pipe transits. Since the start in Sweden in 1990 we have grown successfully to cover all continents. Our passion is innovative sealing solutions, and our goal is to make our world a safer place.

- Extensive R&D resources and advanced test facilities
- Inventor of Multidiameter™
- Customers in more than 80 markets