

MARINE



Roxtec



CABLE & PIPE TRANSITS

FOR MARINE APPLICATIONS

We Seal Your World™



Safe Blue Seal

There is a simple way of bringing peace and safety to a ship, no matter if it is an advanced navy ship, an offshore supply vessel or the world's biggest luxury cruise liner. Make sure you specify, design for and install Roxtec cable and pipe transits – the blue seals made for the Seven Seas.

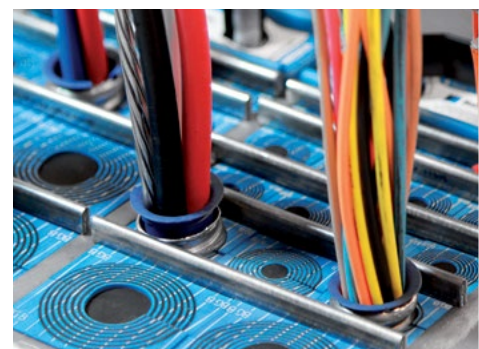
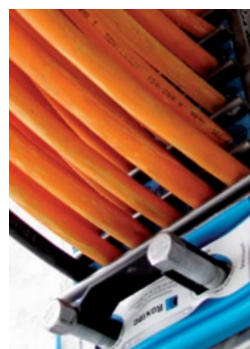
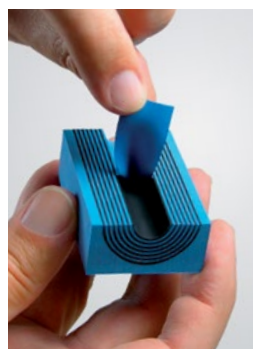
Efficient solutions

Roxtec cable and pipe transits ensure operational reliability by providing certified protection against fire, gas, water and dust. The corrosion resistant and area efficient seals help you reduce vibration, noise, and overall weight. They are also available in EMC versions for electrical safety and protection against electromagnetic interference and as ATEX/IECEx certified products for use in explosive atmospheres.

Upgrade – anytime

The Roxtec sealing system is easy to use and quick to install. The sealing modules are adaptable to cables and pipes of different sizes and offer built-in spare capacity for future needs and upgrades. You can open up the transits whenever you want – and just add new cables or pipes.





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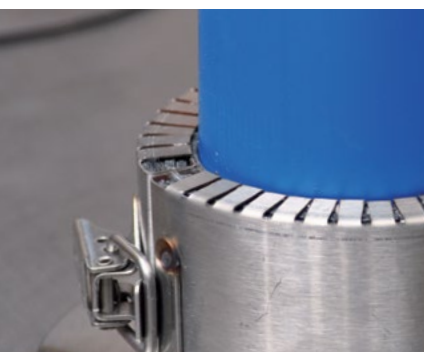
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ROXTEC IN ACTION







Discover some of the applications in the marine industry where Roxtec cable and pipe transits are used to protect life and sensitive equipment. Approved by all major classification societies, Roxtec transits are recommended both for new build and retrofit projects.



PROPULSION ROOM

Propulsion machinery spaces.

Needs and requirements

- Fire protection
- Gas-tight
- Watertight
- EMI protection
- Capacity to withstand temperature changes
- Vibration damping
- Area efficient multi-cable management

GAS-TIGHT AREA

Gas-tight seals ideal for use in areas where there is a need for maintaining the pressure.

Needs and requirements

- Firestop
- Water barrier
- Gas-tight
- Pressure resistant

EMC APPLICATION AREAS

Sensitive equipment ensuring data, security and functionality onboard.

Needs and requirements

- EMC, electromagnetic compatibility
- Electromagnetic shielding against EMI

Optional sealing solution:



Roxtec SRC

Optional sealing solution:



Roxtec S

Optional sealing solution:



Roxtec SF EMC



SERVICE PIPES

Single or multiple pipes for air compression and cooling; plastic pipes for reduction of overall weight.

Needs and requirements

- Fire protection
- Gas-tight
- Watertight
- Noise reduction
- Vibration damping



Roxtec RS

ROOM PENETRATIONS IN DECKS AND BULKHEADS ABOVE THE WATERLINE

Cable and pipe penetrations in decks and bulkheads between fire zones.

Needs and requirements

- Firestop
- Gas-tight
- Watertight
- Multi-cable management



Roxtec Sleeve-it™ Fire penetration seal

CABINS

Light-weight and versatile solutions recommended both for new build and retrofit projects.

Needs and requirements

- Gas-tight
- Watertight
- Easy installation
- Minimal insulation



Roxtec ComSeal™



OUTER LIGHTING

Round seals for single wires through outer bulkheads for external lighting installations.

Needs and requirements

- Area efficient
- Fire protection
- Watertight
- Adaptability to cables of different sizes



Optional sealing solution:



Roxtec RS

WATER PIPES

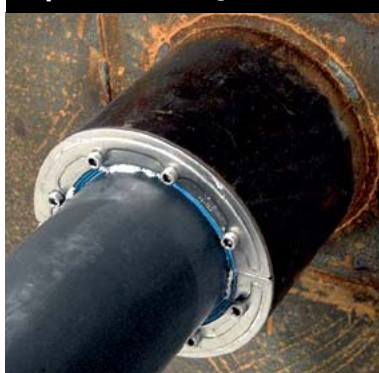
Light-weight seals for steel pipes and plastic pipes as well as fire collars and steel-to-plastic transition collars.

Needs and requirements

- Fire protection
- Gas-tight
- Watertight
- Vibration protection
- Easy installation
- Non-welding solutions



Optional sealing solution:



Roxtec RS PPS

CABIN SERVICE LOCKERS

Management and sealing of service pipes and cables connected to the cabin locker area behind the cabin.

Needs and requirements

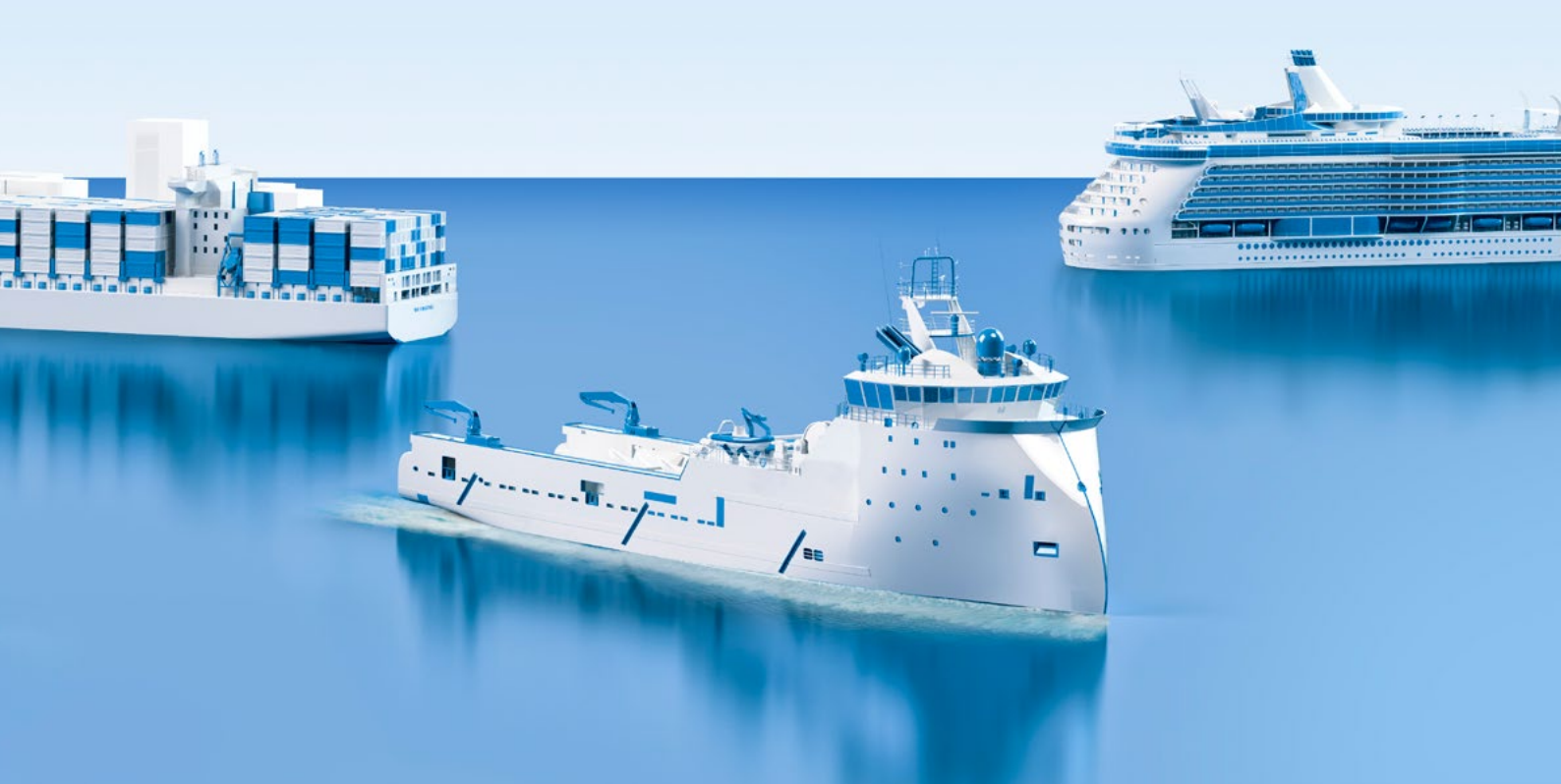
- Firestop
- Combination of steel and plastic pipes



Optional sealing solution:



Roxtec Sleeve-it™ Watertight penetration seal



ROOM PENETRATIONS BELOW THE WATERLINE

Multiple cables penetrating decks and bulkheads.

Needs and requirements

- Fire-proof according to A-0 to A-60 marine fire rating
- Watertight according to class approval programs
- Smoke protection
- Pressure rated
- Vibration damping



Optional sealing solution:



Roxtec S

COMMON OPERATION ROOM

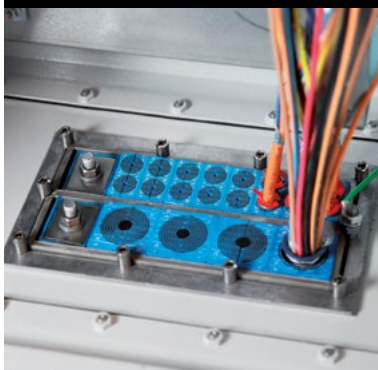
Efficient solutions for EMC, electromagnetic compatibility, inside and around the operation room.

Needs and requirements

- Equipment protection
- Data security
- High-precision operation
- Electromagnetic shielding



Optional sealing solution:



Roxtec CF EMC

BRIDGE OPERATION ROOM

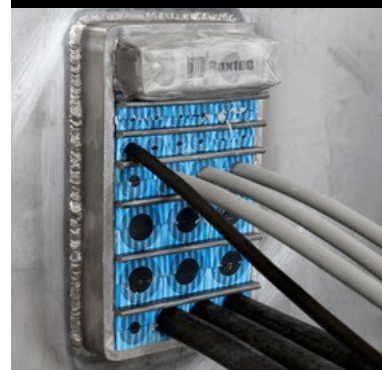
EMC cable and pipe transits developed to guarantee electromagnetic shielding.

Needs and requirements

- Fire-resistant
- Watertight
- Gas-tight
- Electromagnetic shielding
- Protection for sensitive equipment



Optional sealing solution:



Roxtec S EMC

Sealing solutions for any ship

Shipbuilders and ship owners standardize with Roxtec transits for cables, metal pipes and plastic pipes. Approved for A class rated sections, the seals handle fire, water, gas pressure, thermal bridges, and material fatigue in any kind of vessel, from work boats to mega yachts.





Cruise liners and ferries

With Roxtec, it is easy to add cables, metal and plastic pipes whenever it is time for new attractions. Upgrades can be performed while cruising – and without risking structure or passenger safety. This barrier against fire and water holds down the total cost of ownership.

Roxtec in the cabin

Roxtec seals are light-weight, versatile and easy to install solutions providing certified fire protection. They prevent fire, gas or water from entering the next compartment. The seals are area efficient and require minimal welding and insulation.



Navy ships

Reliability is key. Besides water-tightness and blast load durability, the Roxtec EMC product line ensures protection against electromagnetic threats and prevents disclosure of electronic signatures. Vibration damping, area efficiency, and plastic pipe solutions contribute to lower overall weight, more space onboard and silent operation. All components have been tested to provide certified protection.

Roxtec in the common operation room

Roxtec has developed efficient solutions for EMC inside and around the operation room. The cable and pipe transits ensure electrical safety. Use Roxtec transits to prevent EMI and secure high-precision operation.



Commercial shipping and supply vessels

Ship owners specify Roxtec to be able to operate their ships and maintain their value for years. Designers and installers all over the world recognize that Roxtec transits make it easy to upgrade and even inspect ships in accordance with new technical and safety demands. For hazardous areas, Roxtec provides ATEX/IECEx certified seals.

Roxtec around the water pipes

Roxtec offers light-weight seals for steel pipes and plastic pipes as well as fire collars and steel-to-plastic transition collars – and all of them are very easy to install. Most Roxtec seals can be installed horizontally or vertically from one side – and there are versions available that do not require any welding.



Special purpose ships

Roxtec standard and customized seals are used for everything from high-precision bow thruster systems to underwater operation equipment and cranes. They protect against fire, gas, water and vibration while keeping the ship prepared for upgrades. This extends the life cycle – without increasing costs.

Gas-tight area

Roxtec solutions do not only act as firestops and water barriers. The seals include features such as gas-tightness, making them ideal for use in areas where there is a need for maintaining the pressure. If, for example, there is a fire nearby and the atmosphere is filled with explosive chemicals and toxic substances, it is crucial to be able to keep dangers out by pressurizing the vessel's interior.



Yachts

Roxtec seals give outstanding possibilities to accommodate new technologies. The ability to handle plastic pipes of different sizes helps reducing overall weight and the risk of corrosion. Add also the excellent sound and vibration damping, which improves the total yachting experience.

Outer lighting

Roxtec round seals for single cables are perfect for use in outer bulkheads when you want to secure external lighting installations, for example on passenger cabin balconies. The solutions are neat and area efficient, and provide superior protection against fire and water.

First class performance

Do you fear a fire onboard? Or water flooding from one compartment to another? We can provide you certified protection – thanks to our thoroughly tested cable and pipe transits.



You can use the Roxtec sealing system to seal all types of penetrating cables, steel pipes and plastic pipes passing through decks and bulkheads, in and between different sections and constructions such as machine rooms, storage rooms, living compartments and the bridge. You can also use it in various types of control cabinets, electrical enclosures and junction boxes.

Certified for peace of mind

Our sealing solutions bring peace of mind to your project, because they have undergone hundreds of registered tests and approvals and received more than 250 certificates showing their excellent performance and resistance to hazards. Roxtec products are fire tested and approved for use in A, B and H class rated sections according to IMO Res. A 754 (18)/IMO FTP 2010 and SOLAS, and tightness tested according to DNV type approval program 8-471.19-1. The Roxtec sealing system is also approved according to different military standards in various countries.



Eliminating risk factors

Roxtec seals ensure protection against fire, water, gas, salt, and dust. They can protect against the risk of explosion, lightning strikes, and noise. They also offer solutions for bonding, grounding, and EMC. The system is well suited for sealing of hydraulic pipes, since the rubber absorbs vibrations. It is a high quality sealing system designed to withstand tough conditions.

- A, H and jet-fire rated
- Gas-tight
- Watertight
- Dust-tight
- Corrosion protection
- Vibration-proof
- Noise reduction
- Blast load protection
- Hazardous locations
- Electromagnetic shielding
- Potential equalization
- Lightning strike protection
- Bonding and grounding

Safety awareness

Our process of developing standard sealing products and creating customized solutions is supported by our procedures for testing. We have a technical center with an advanced test laboratory in combination with a fire laboratory, daily used for R&D, indicative as well as third party witnessed tests. Our type approval certificates, issued by the classification societies, are of course issued on basis of tests conducted at IMO recognized/ accredited test laboratories.

- A and B class fire (standard, fibrous)
- H class fire (hydrocarbon, oil-based)
- Water pressure tests up to 6 bar
- Gas pressure test up to 2.5 bar
- Pull-out tests
- Periodic cycling
- Simulated IP rating tests
- EMC testing
- Vibration testing and analyzing

Verified by inspectors

Roxtec products are certified by all leading classification societies such as Lloyd's Register of Shipping, American Bureau of Shipping, Bureau Veritas, DNV GL and Russian Maritime Register of Shipping.

It is, however, important to remember that the certified protection provided by the Roxtec sealing system depends on correct attachment to the structure by welding or bolting as well as a correct installation procedure. Read more about this on pages 220 and 264 and on www.roxtec.com.





Focusing on sustainability

We do not just believe in safety. We also care about the people, the nature and the oceans of our beautiful blue planet. Therefore, we assure quality and minimize our environmental impact.

Roxtec International is certified in accordance with the quality and environmental standards ISO 9001 and ISO 14001. Among the components we produce, you find steel frames and vulcanized rubber, but you can be sure that no Roxtec labeled products contain any dangerous materials. We follow national and international environmental legal requirements. We respect environmental objectives and ethical issues as well as issues concerning chemicals and law requirements such as RoHS and REACH. We also handle our waste correctly to save our planet.





Design your own transits

The Roxtec Transit Designer™ is a free, web-based engineering tool. It allows auto-planning, drives project efficiency and reduces the risk of mistakes in all project phases.

The Roxtec Transit Designer simplifies product selection as well as the entire process of designing, purchasing and installing cable and pipe transits. Its batch import with auto validation feature helps designers create and update thousands of transits automatically and take full control of their largest project designs. They can also validate their complete project by using the Roxtec CAD symbols and the Roxtec Transit Designer for easy incorporation of transits into the design of the entire ship or vessel.

Always available, everywhere

Roxtec Transit Designer is accessible online. You can share your work with project teams worldwide, and Roxtec experts are always available through the chat function. To start using it, just register on www.roxtec.com.



Features

- Free web-based application, available online
- Simple product selection
- Copy and paste for cable or pipe schedule inputs
- Manufacturer-approved engineering outputs
- Improve project efficiency and flexibility
- Import multiple transits to speed up design work
- Reduce project risks

SIMPLE USER INPUT

Cable/pipe schedule or estimates
Sealing/certification requirements
Installation preferences
Material quality selection

APPROVED OUTPUT

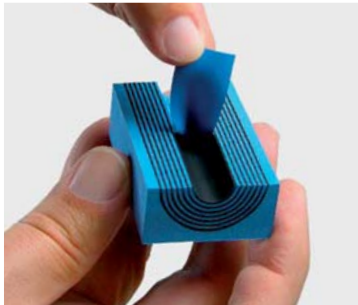
2D drawings in DXF and PDF
3D STEP
Bill of material in Excel
Installation instructions

THE ROXTEC SEALING SYSTEM



Superior flexibility

Roxtec sealing solutions for cables and pipes ensure safety, efficiency and long-term operational reliability in a wide range of marine projects worldwide.



Our invention for adaptability, Multidiameter™, is a solution based on rubber modules with removable layers. It allows for a perfect sealing, regardless of the dimension of the cable or pipe. This flexibility simplifies planning and design, speeds up installation work and reduces the need for stock, material and logistics. It also provides built-in spare capacity for cost-efficient maintenance and future upgrades.

Breaking innovation

The Roxtec solution has revolutionized the design and the process of cable routing and pipe installation. Thanks to Roxtec Multidiameter, each module can handle a number of cable and pipe sizes. It is also possible to add extra capacity from the start. Users can therefore perform their tasks without knowing the size or number of cables or pipes in advance – which reduces engineering hours.

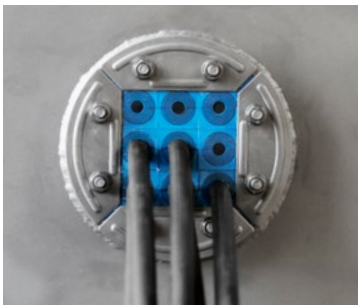
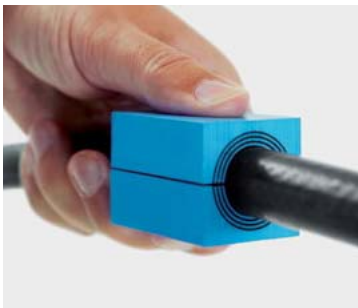
Flexible components

The Roxtec sealing system is a mechanical sealing solution available for various applications, including multiple as well as

single-cable and pipe penetrations. In most Roxtec transits, the sealing modules are inserted around cables or pipes in frames that are welded or bolted to the structure. The frames are available in different shapes, materials and sizes for different applications. The system is sealed with a Roxtec Wedge or an integrated compression unit.

Adaptable modules

The Roxtec system means very few parts. With six basic Roxtec module sizes, you can easily seal cables and pipes from 4 mm to 99 mm in diameter in transits with multiple openings. Standard versions of single penetration seals handle cables or pipes with a diameter of up to 580 mm. There is also a range of modules with different features, in order to cover all your safety needs. There is, for example, the EMC product line. It provides efficient solutions for bonding and grounding of armored and shielded cables as well as for electrical safety in fully shielded environments.



Few parts to make a strong barrier

This is an overview showing how very few components you need to put together a complete Roxtec sealing solution. There are rectangular and round seals available as well as practical kit solutions.

RECTANGULAR SOLUTIONS



Frame



Modules



Frame



Seal*



Wedge



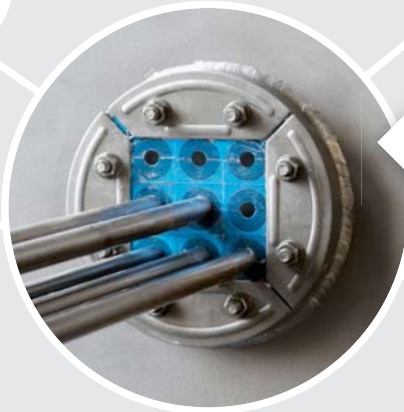
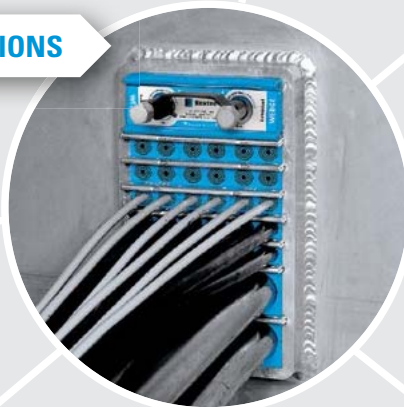
Wedge Clip



Stayplate



Lubricant



ROUND SOLUTIONS



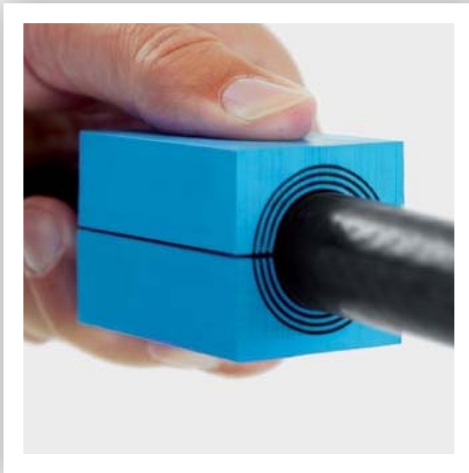
Sleeve

KIT SOLUTIONS



Kit including all components

*Seal – solution for single cable or pipe



Roxtec modules

Roxtec modules in product group RM are based on 60 mm (2.362") standard depth and used for sealing of cables and pipes in walls, floors, bulkheads and decks. Modules in group CM are based on depths of 15-40 mm (0.591"-1.575"). Areas of use are entry sealing of cables and smaller hoses in cabinets and enclosures. Both groups, RM and CM, are available for the EMC and Ex application areas.

- Roxtec RM modules with Multidiameter™ are adaptable to cables and pipes with OD 3.0-99.0 mm (0.118"-3.898")
- Roxtec CM modules with Multidiameter™ are adaptable to cables and pipes with OD 3.5-34.5 mm (0.138"-1.358")
- When used with a solid core the module functions as a spare module for future capacity needs.

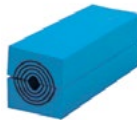
Roxtec RM modules



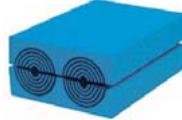
RM 15



RM 15w40*



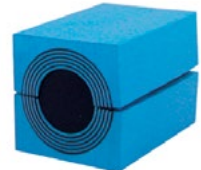
RM 20



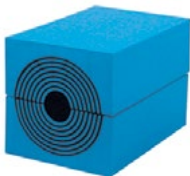
RM 20w40*



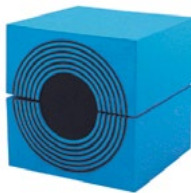
RM 30



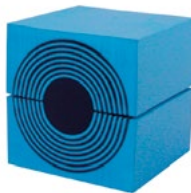
RM 40



RM 40 10-32



RM 60



RM 60 24-54



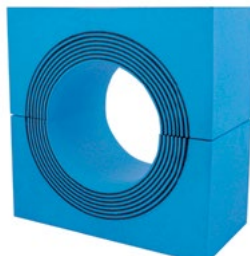
RM 60 woc



RM 80 woc



RM 90 woc



RM 120 woc

Roxtec RM modules

Module	Number of cables/pipes	For cable/pipe diameter		External dim. (mm) HxW (D=60 mm)	Weight (max)		Art. No
		Ø _a -Ø _b (mm)	Ø _a -Ø _b (in)		(kg)	(lb)	
WITH CORE							
RM 15	1	0+3.0-11.0	0+0.118-0.433	15x15	0.02	0.044	RM00100151000
RM 15w40*	3	0+3.5-10.5	0+0.138-0.413	15x40	0.05	0.110	RM00115401000
RM 20	1	0+4.0-14.5	0+0.157-0.571	20x20	0.04	0.088	RM00100201000
RM 20w40*	2	0+3.5-16.5	0+0.138-0.650	20x40	0.07	0.154	RM00120401000
RM 30	1	0+10.0-25.0	0+0.394-0.984	30x30	0.08	0.176	RM00100301000
RM 40	1	0+21.5-34.5	0+0.846-1.358	40x40	0.14	0.309	RM00100401000
RM 40 10-32	1	0+9.5-32.5	0+0.374-1.280	40x40	0.14	0.309	RM00140101000
RM 60	1	0+28.0-54.0	0+1.102-2.126	60x60	0.33	0.728	RM00100601000
RM 60 24-54	1	0+24.0-54.0	0+0.945-2.126	60x60	0.33	0.728	RM00160201000
WITHOUT CORE							
RM 60 woc	1	28.0-54.0	1.102-2.126	60x60	0.26	0.573	RM00000601000
RM 80 woc	1	48.0-71.0	1.890-2.795	80x80	0.44	0.970	5RM0000000534
RM 90 woc	1	48.0-71.0	1.890-2.795	90x90	0.56	1.253	RM00000901000
RM 120 woc	1	67.5-99.0	2.657-3.898	120x120	0.94	2.072	RM00001201000

* Smart tip: Whenever possible we recommend choosing twin or triplet modules like RM 20w40 or RM 15w40. Benefits are higher area efficiency per frame opening, quicker installation and improved cost-effectiveness.

Roxtec solid compensation module kits for SRC frames



RM 20/0 RC



RM 40/0 RC

Module	No. of modules/kit	External dim. (mm) HxW (D=60 mm)	Weight per kit		Art. No
			(kg)	(lb)	
RM 20/0 RC	4	20x20	0.13	0.287	RMC0300201000
RM 40/0 RC	4	40x40	0.30	0.661	RMC0300401000

Roxtec RM solid compensation modules



RM 30/0



RM 5/0x24



RM 10/0x12

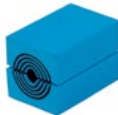
Module	External dim. (mm) HxW (D=60 mm)	Weight (max)		Art. No
		(kg)	(lb)	
RM 5/0x24	5x120	0.06	0.126	RM00305241000
RM 10/0x12	10x120	0.12	0.256	RM00310121000
RM 15/0	15x15	0.02	0.049	RM00300151000
RM 20/0	20x20	0.04	0.086	RM00300201000
RM 30/0	30x30	0.08	0.179	RM00300301000
RM 40/0	40x40	0.15	0.320	RM00300401000
RM 60/0	60x60	0.33	0.719	RM00300601000

Smart tip: Consider using an RM module rather than a solid module. A Roxtec RM module installed with a solid centre core serves the same purpose as a traditional solid module, but it also provides spare capacity for future installations.

Roxtec CM modules



CM 15w40*



CM 20



CM 20w40*



CM 30



CM 30w40



CM 40

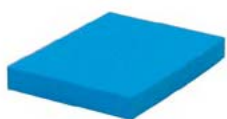


CM 40 10-32

Module	Number of cables/pipes	For cable/pipe diameter		External dim. (mm) HxW (D=30 mm)	Weight (max)		Art. No
		$\varnothing_a$ - $\varnothing_b$ (mm)	$\varnothing_a$ - $\varnothing_b$ (in)		(kg)	(lb)	
CM 15w40*	3	0+ 3.5-10.5	0+ 0.138-0.413	15x40	0.03	0.055	C000115401000
CM 20	1	0+ 4.0-14.5	0+ 0.157-0.571	20x20	0.02	0.044	C000100201000
CM 20w40*	2	0+ 3.5-16.5	0+ 0.138-0.650	20x40	0.04	0.077	C000120401000
CM 30	1	0+ 10.0-25.0	0+ 0.394-0.984	30x30	0.04	0.088	C000100301000
CM 30w40	1	0+ 10.0-25.0	0+ 0.394-0.984	30x40	0.06	0.121	C000130401000
CM 40	1	0+ 21.5-34.5	0+ 0.846-1.358	40x40	0.07	0.135	5CM0000008983
CM 40 10-32	1	0+ 9.5-32.5	0+ 0.374-1.280	40x40	0.07	0.135	C000140101000

* Smart tip: Whenever possible we recommend choosing twin or triplet modules like CM 20w40 or CM 15w40. Benefits are higher area efficiency per frame opening, quicker installation and improved cost-effectiveness.

Roxtec CM solid compensation modules



CM 5w40/0*



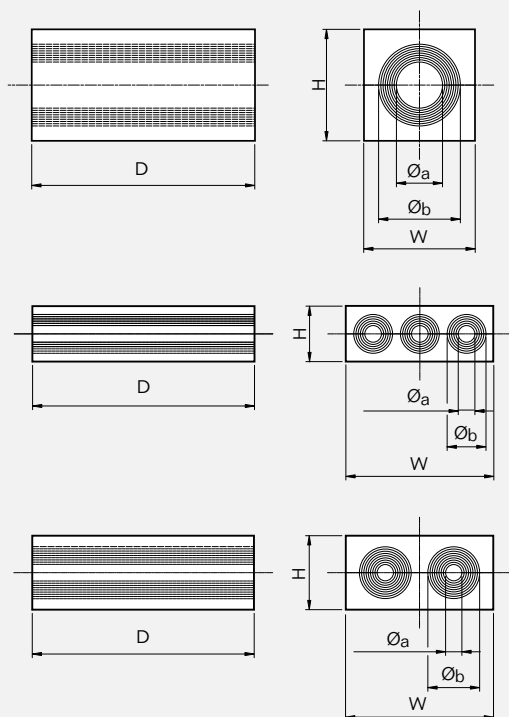
CM 10w40/0*

Module	External dim. (mm) HxW (D=30 mm)	Weight (max)		Art. No
		(kg)	(lb)	
CM 5w40/0	5x40	0.01	0.022	C000305401000
CM 10w40/0	10x40	0.02	0.044	C000310401000

* Smart tip: Consider using a CM module rather than a solid module. A Roxtec CM module installed with a solid centre core serves the same purpose as a traditional solid module, but it also provides spare capacity for future installations.

Roxtec RM modules, technical information

RM modules



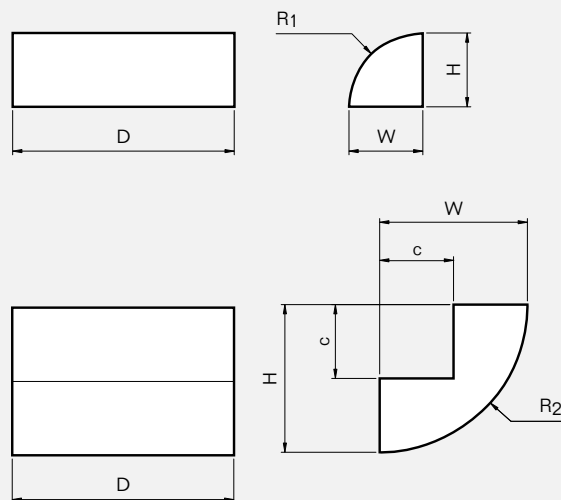
Pos

Ø_a Min. cable/pipe diameterØ_b Max. cable/pipe diameter

D 60 mm 2.362"

Note: All dimensions
are nominal values

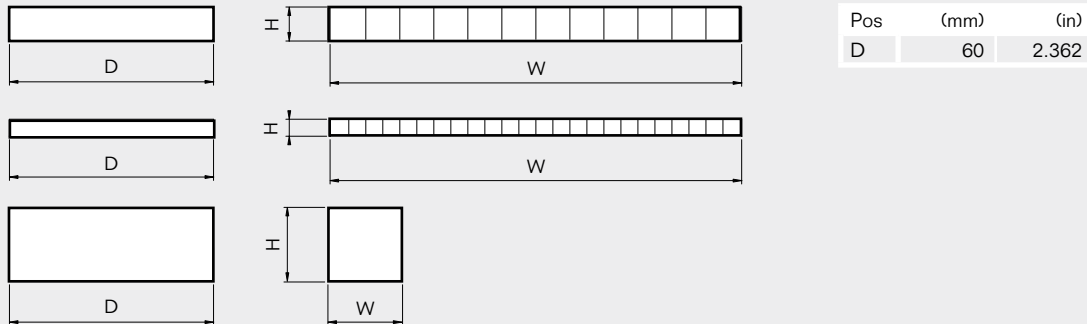
Solid corner compensation module for SRC frames



Pos	(mm)	(in)
R ₁	R 20	R 0.787
R ₂	R 40	R 1.575
c	20	0.787
D	60	2.362

Note: All dimensions
are nominal values

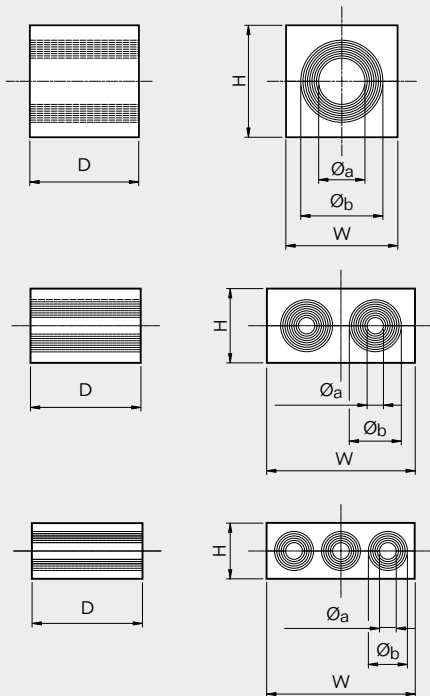
Roxtec RM solid compensation modules, technical information



Note: All dimensions are nominal values

Roxtec CM modules, technical information

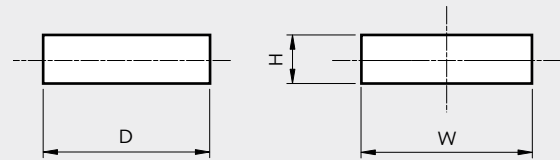
CM modules



Pos	
$\varnothing_a$	Min. cable/pipe diameter
$\varnothing_b$	Max. cable/pipe diameter
D	30 mm 1.181"

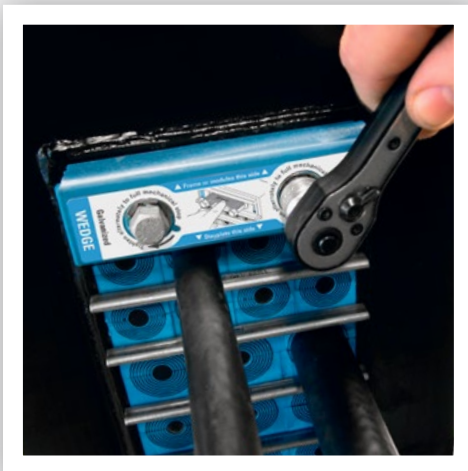
Note: All dimensions are nominal values

CM solid compensation modules



Pos	(mm)	(in)
D	30	1.181

Note: All dimensions are nominal values



Roxtec Wedges

Roxtec Wedges are used in frames with a rectangular packing space without built-in compression to compress and seal the installation of cables, pipes, modules and stayplates.

- The Roxtec Wedge is for use with Group RM frames and components
- The Roxtec C Wedge is for use with Group CM frames and components

Wedge kit/parts, galvanized



Wedge kit galv



Wedge 120 galv



Wedge 60 galv

Wedge	External dimensions		Weight		Art. No
	W (mm)	W (in)	(kg)	(lb)	
Wedge kit galv*	(wedge) 120	(wedge) 4.724	1.5	3.307	AWK0001201018
Wedge 120 galv	120	4.724	0.8	1.764	ARW0001201018
Wedge 60 galv	60	2.362	0.4	0.882	ARW0000601018

* The Wedge kit includes one Roxtec Wedge 120, five stayplates, one Wedge Clip, one lubricant and installation instructions.

Wedge kit/parts, acid-proof stainless steel



Wedge	External dimensions		Weight		Art. No
	W (mm)	W (in)	(kg)	(lb)	
Wedge kit AISI 316*	(wedge) 120	(wedge) 4.724	1.5	3.307	AWK0001201021
Wedge 120 AISI 316	120	4.724	0.8	1.764	ARW0001201021
Wedge 60 AISI 316	60	2.362	0.4	0.882	ARW0000601021

* The Wedge kit includes one Roxtec Wedge 120, five stayplates, one Wedge Clip, one lubricant and installation instructions.

C Wedge kit/parts, galvanized



Wedge	External dimensions		Weight		Art. No
	W (mm)	W (in)	(kg)	(lb)	
C Wedge kit galv*	120	4.724	0.65	1.443	AWK2001201018
C Wedge 120 galv	120	4.724	0.40	0.882	CRW0001201018

* The Wedge kit includes one Roxtec C Wedge 120, six C stayplates, one lubricant and installation instructions.

C Wedge kit/parts, acid-proof stainless steel



C Wedge kit AISI 316



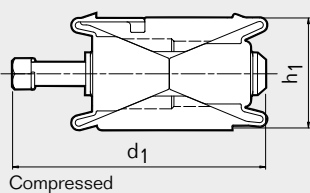
C Wedge 120 AISI 316

Wedge	External dimensions		Weight		Art. No
	W (mm)	W (in)	(kg)	(lb)	
C Wedge kit AISI 316*	120	4.724	0.65	1.443	AWK2001201021
C Wedge 120 AISI 316	120	4.724	0.40	0.882	5crw000011340

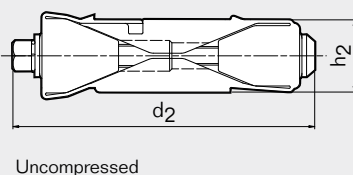
* The Wedge kit includes one Roxtec C Wedge 120, six C stayplates, one lubricant and installation instructions.

Wedge, technical information

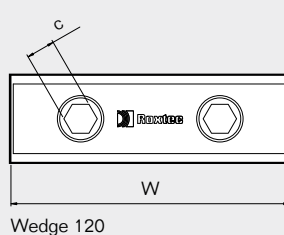
Wedge



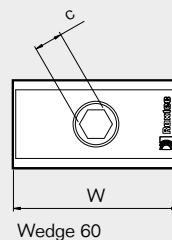
Compressed



Uncompressed

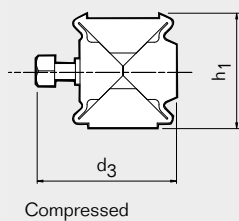


Wedge 120

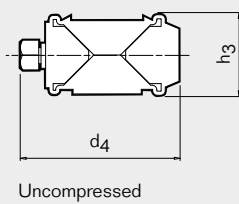


Wedge 60

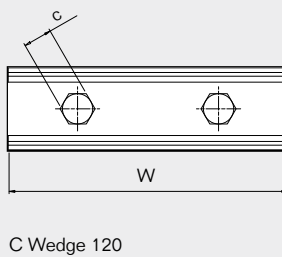
C Wedge



Compressed



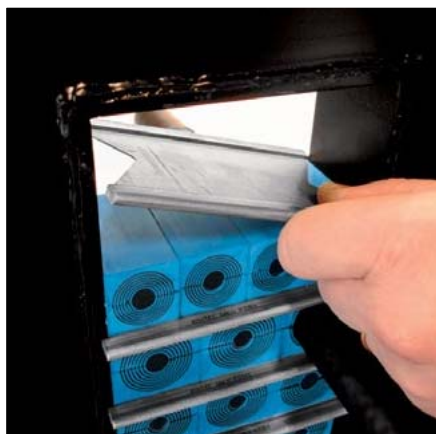
Uncompressed



C Wedge 120

Pos	(mm)	(in)
d ₁	109	4.291
d ₂	130	5.118
d ₃	61	2.402
d ₄	70	2.756
h ₁	48	1.890
h ₂	29	1.142
h ₃	32	1.260
c	SW 13	SW 0.512

Note: All dimensions are nominal values



Roxtec Stayplates

Roxtec Stayplates provide mechanical anchorage for the modules in order to keep them in the frame and protect against blow-outs. To be inserted between rows of modules in frames with a rectangular packing space and no built-in compression.

- The Roxtec Stayplate is for use with Group RM frames and components
- The Roxtec C Stayplate is for use with Group CM frames and components

Stayplate



Stayplate 120 galv



Stayplate 60 galv



Stayplate 120 AISI 316



Stayplate 60 AISI 316



Stayplate 120 ALU



Stayplate 60 ALU

Stayplate	Fits packing space		Weight		Art. No
	W (mm)	W (in)	(kg)	(lb)	
Stayplate 120 galv	120	4.724	0.1	0.243	ASP0001200018
Stayplate 60 galv	60	2.362	0.06	0.132	ASP0000600018
Stayplate 120 AISI 316	120	4.724	0.1	0.243	ASP0001200021
Stayplate 60 AISI 316	60	2.362	0.06	0.132	ASP0000600021
Stayplate 120 ALU	120	4.724	0.04	0.088	ASP0001200031
Stayplate 60 ALU	60	2.362	0.02	0.044	ASP0000600031

C Stayplate



C Stayplate 120 galv

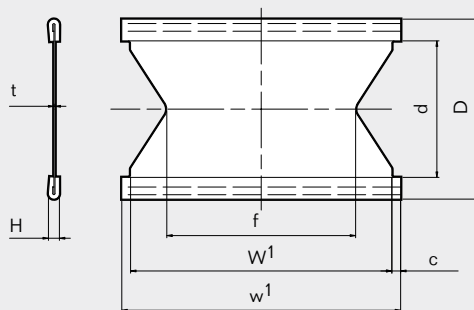


C Stayplate 120 AISI 316

Stayplate	Fits packing space		Weight		Art. No
	W (mm)	W (in)	(kg)	(lb)	
C Stayplate 120 galv	120	4.724	0.02	0.051	ASP2001200018
C Stayplate 120 AISI 316	120	4.724	0.02	0.051	ASP3001200021

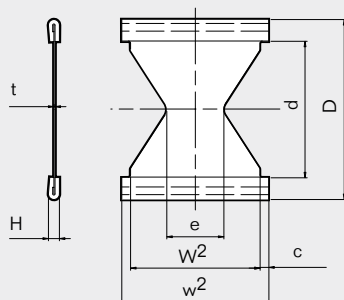
Stayplate, technical information

Stayplate 120



Pos	(mm)	(in)
c	4	0.157
d	62	2.499
e	26	1.024
f	86	3.386
t	0.5	0.020
D	82	3.228
H	5	0.197
W ¹	119	4.685
w ¹	127	5.000
W ²	59	2.323
w ²	67	2.638

Stayplate 60



galv Galvanized

AISI 316 Acid-proof stainless steel

ALU Aluminum

Note: All dimensions are nominal values



Roxtec Lubricant/ Roxtec Assembly Gel

The lubricant is natural tallow used to lubricate the sealing modules, the Roxtec Wedge and the inside of the frame. This provides correct compression and a secure seal. The assembly gel is intended for Roxtec ComSeal™ LW and Roxtec ComSeal™.

Roxtec Lubricant



Lubricant 10 ml



Lubricant 25 ml

Lubricant	Art. No
Lubricant 10 ml	ALT0000001000
Lubricant 25 ml	ALT0000003000

Roxtec Assembly Gel



Assembly Gel 30 ml



Assembly Gel Bag 10 ml

Assembly Gel	Art. No
Assembly Gel 30 ml	ALT0000004000
Assembly Gel Bag 10 ml	ALT0000005000

CABLE ENTRY SOLUTIONS



Regular frames and seals

Roxtec regular cable transits for decks, bulkheads, floors and walls are successfully used in the ship-building industry since 1990.

Roxtec regular frames are available in different designs and materials, such as mild steel, stainless steel and aluminum, and they can be attached either through bolting, welding or fitting into sleeves. The depth of the frames is normally 60 mm (2.362"), and they are filled with standard RM modules of the same depth. Together the modules cover a cable diameter range of 3 to 99 mm (0.118"-3.898"). To complete the installation and seal the transit, you also need lubricant, stayplates and a wedge. The seals are also available for use in EMC and Ex applications.





Roxtec S frame

Roxtec S frame is a metal frame available with a single opening, or in combinations with several openings in width and/or height.

- For use with Group RM components
- Attachment by welding

S frame, primed mild steel



S 6x1 primed

See parts needed for a complete solution on page 26.

See installation instructions on page 222.

See practical user guidelines on page 264.

Remove primer from the inside of the frame to ensure good conductivity in EMC applications.

For information about other frame combinations, or for openable versions of this frame, please contact your local Roxtec supplier or e-mail: info@roxtec.com

RATINGS Fire: A class, H class Water pressure: 4 bar Gas pressure: 2.5 bar

Frame	Frame openings	Packing space (mm)	External dimensions (D=60 mm)		Weight		Art. No
			HxW (mm)	HxW (in)	(kg)	(lb)	
S 1x1 primed	1	60 x 60	121 x 80	4.764 x 3.150	1.6	3.527	SS01000000112
S 2x1 primed	1	60 x 120	121 x 141	4.764 x 5.551	2.2	4.938	S002000000112
S 2x2 primed	2	60 x 120	121 x 271	4.764 x 10.669	3.9	8.488	S002000000212
S 2x3 primed	3	60 x 120	121 x 402	4.764 x 15.827	5.5	12.037	S002000000312
S 2x4 primed	4	60 x 120	121 x 532	4.764 x 20.945	7.1	15.609	S002000000412
S 2x5 primed	5	60 x 120	121 x 663	4.764 x 26.102	8.7	19.158	S002000000512
S 2x6 primed	6	60 x 120	121 x 793	4.764 x 31.220	10.3	22.707	S002000000612
S 3x1 primed	1	120 x 60	180 x 80	7.087 x 3.150	2.3	5.071	SS03000000112

S frame, primed mild steel

Frame	Frame openings	Packing space (mm)	External dimensions (D=60 mm)		Weight		Art. No
			HxW (mm)	HxW (in)	(kg)	(lb)	
S 4x1 primed	1	120 x 120	180 x 141	7.087 x 5.551	2.8	6.151	S004000000112
S 4x2 primed	2	120 x 120	180 x 271	7.087 x 10.669	4.7	10.318	S004000000212
S 4x3 primed	3	120 x 120	180 x 402	7.087 x 15.827	6.6	14.484	S004000000312
S 4x4 primed	4	120 x 120	180 x 532	7.087 x 20.945	8.5	18.629	S004000000412
S 4x5 primed	5	120 x 120	180 x 663	7.087 x 26.102	10.3	22.796	S004000000512
S 4x6 primed	6	120 x 120	180 x 793	7.087 x 31.220	12.2	26.962	S004000000612
S 4x7 primed	7	120 x 120	180 x 924	7.087 x 36.378	14.1	31.129	S004000000712
S 4x8 primed	8	120 x 120	180 x 1054	7.087 x 41.496	16.0	35.296	S004000000812
S 4x9 primed	9	120 x 120	180 x 1185	7.087 x 46.654	17.9	39.440	S004000000912
S 4+4x1 primed	2	120 x 120	349 x 141	13.740 x 5.551	5.0	11.067	S004400000112
S 4+4x2 primed	4	120 x 120	359 x 271	14.134 x 10.669	9.5	20.878	S004400000212
S 4+4x3 primed	6	120 x 120	359 x 402	14.134 x 15.827	13.5	29.321	S004400000312
S 4+4x4 primed	8	120 x 120	359 x 532	14.134 x 20.945	17.1	37.743	S004400000412
S 4+4x5 primed	10	120 x 120	359 x 663	14.134 x 26.102	21.0	46.186	S004400000512
S 4+4x6 primed	12	120 x 120	359 x 793	14.134 x 31.220	24.8	54.630	S004400000612
S 4+4x7 primed	14	120 x 120	359 x 924	14.134 x 36.378	28.6	63.096	S004400000712
S 4+4x8 primed	16	120 x 120	359 x 1054	14.134 x 41.496	32.6	71.539	S004400000812
S 4+4+4x1 primed	3	120 x 120	519 x 141	20.433 x 5.551	6.6	14.550	S004440000112
S 4+4+4x2 primed	6	120 x 120	539 x 271	21.220 x 10.669	14.2	31.305	S004440000212
S 4+4+4x3 primed	9	120 x 120	539 x 402	21.220 x 15.827	19.9	43.872	S004440000312
S 4+4+4x4 primed	12	120 x 120	539 x 532	21.220 x 20.945	26.2	57.761	S004440000412
S 4+4+4x5 primed	15	120 x 120	539 x 663	21.220 x 26.102	31.3	69.004	S004440000512
S 4+4+4x6 primed	18	120 x 120	539 x 793	21.220 x 31.220	37.0	81.570	S004440000612
S 5x1 primed	1	180 x 60	238 x 80	9.370 x 3.150	2.8	6.173	SS05000000112
S 6x1 primed	1	180 x 120	238 x 141	9.370 x 5.551	3.3	7.363	S006000000112
S 6x2 primed	2	180 x 120	238 x 271	9.370 x 10.669	5.5	12.147	S006000000212
S 6x3 primed	3	180 x 120	238 x 402	9.370 x 15.827	7.7	16.909	S006000000312
S 6x4 primed	4	180 x 120	238 x 532	9.370 x 20.945	9.8	21.671	S006000000412
S 6x5 primed	5	180 x 120	238 x 663	9.370 x 26.102	12.0	26.455	S006000000512
S 6x6 primed	6	180 x 120	238 x 793	9.370 x 31.220	14.2	31.217	S006000000612
S 6x7 primed	7	180 x 120	238 x 924	9.370 x 36.378	16.3	35.979	S006000000712
S 6x8 primed	8	180 x 120	238 x 1054	9.370 x 41.496	18.5	40.763	S006000000812
S 6x9 primed	9	180 x 120	238 x 1185	9.370 x 46.654	20.7	45.525	S006000000912
S 6+6x1 primed	2	180 x 120	466 x 141	18.346 x 5.551	6.1	13.492	S006600000112
S 6+6x2 primed	4	180 x 120	476 x 271	18.740 x 10.669	11.1	24.537	S006600000212
S 6+6x3 primed	6	180 x 120	476 x 402	18.740 x 15.827	15.5	34.171	S006600000312
S 6+6x4 primed	8	180 x 120	476 x 532	18.740 x 20.945	19.9	43.827	S006600000412
S 6+6x5 primed	10	180 x 120	476 x 663	18.740 x 26.102	24.3	53.506	S006600000512

S frame, primed mild steel

Frame	Frame openings	Packing space (mm)	External dimensions (D=60 mm)		Weight		Art. No
			HxW (mm)	HxW (in)	(kg)	(lb)	
S 6+6x6 primed	12	180 x 120	476 x 793	18.740 x 31.220	28.6	63.140	S006600000612
S 6+6x7 primed	14	180 x 120	476 x 924	18.740 x 36.378	33.0	72.796	S006600000712
S 6+6x8 primed	16	180 x 120	476 x 1054	18.740 x 41.496	37.4	82.474	S006600000812
S 6+6x9 primed	18	180 x 120	476 x 1185	18.740 x 46.654	41.8	92.108	S006600000912
S 6+6x10 primed	20	180 x 120	476 x 1315	18.740 x 51.772	46.2	101.764	S006600001012
S 6+6+6x1 primed	3	180 x 120	694 x 141	27.323 x 5.551	8.2	18.078	S006660000112
S 7x1 primed	1	240 x 60	298 x 80	11.732 x 3.150	3.3	7.363	SS07000000112
S 8x1 primed	1	240 x 120	298 x 141	11.732 x 5.551	3.9	8.620	S008000000112
S 8x2 primed	2	240 x 120	298 x 271	11.732 x 10.669	6.1	13.382	S008000000212
S 8x3 primed	3	240 x 120	298 x 402	11.732 x 15.827	8.2	18.144	S008000000312
S 8x4 primed	4	240 x 120	298 x 532	11.732 x 20.945	10.4	22.928	S008000000412
S 8x5 primed	5	240 x 120	298 x 663	11.732 x 26.102	12.6	27.690	S008000000512
S 8x6 primed	6	240 x 120	298 x 793	11.732 x 31.220	14.7	32.452	S008000000612
S 8+8x1 primed	2	240 x 120	596 x 141	23.465 x 5.551	7.3	16.005	S008800000112
S 8+8x2 primed	4	240 x 120	596 x 271	23.465 x 10.669	12.3	27.006	S008800000212
S 8+8x3 primed	6	240 x 120	596 x 402	23.465 x 15.827	16.6	36.640	S008800000312
S 8+8x4 primed	8	240 x 120	596 x 532	23.465 x 20.945	21.0	46.341	S008800000412
S 8+8x5 primed	10	240 x 120	596 x 663	23.465 x 26.102	25.4	55.975	S008800000512
S 8+8x6 primed	12	240 x 120	596 x 793	23.465 x 31.220	29.8	65.609	S008800000612
S 8+8x7 primed	14	240 x 120	596 x 924	23.465 x 36.378	34.2	75.309	S008800000712
S 8+8x8 primed	16	240 x 120	596 x 1054	23.465 x 41.496	38.5	84.943	S008800000812
S 8+8x9 primed	18	240 x 120	596 x 1185	23.465 x 46.654	42.9	94.577	S008800000912
S 8+8x10 primed	20	240 x 120	596 x 1315	23.465 x 51.772	47.3	104.278	S008800001012
S 8+8+8x1 primed	3	240 x 120	874 x 141	34.409 x 5.551	9.9	21.826	S008880000112

S frame, acid-proof stainless steel



S 6x1 AISI 316

See parts needed for a complete solution on page 26.

See installation instructions on page 222.

See practical user guidelines on page 264.

For information about other frame combinations, or for openable versions of this frame, please contact your local Roxtec supplier or e-mail: info@roxtec.com

RATINGS

Fire: A class, H class

Water pressure: 4 bar

Gas pressure: 2.5 bar

Frame	Frame openings	Packing space (mm)	External dimensions (D=60 mm)		Weight		Art. No
			HxW (mm)	HxW (in)	(kg)	(lb)	
S 2x1 AISI 316	1	60 x 120	121 x 141	4.764 x 5.551	2.2	4.938	S002000000121
S 2x2 AISI 316	2	60 x 120	121 x 271	4.764 x 10.669	3.9	8.488	S002000000221
S 2x3 AISI 316	3	60 x 120	121 x 402	4.764 x 15.827	5.5	12.037	S002000000321
S 2x4 AISI 316	4	60 x 120	121 x 532	4.764 x 20.945	7.1	15.609	S002000000421
S 2x5 AISI 316	5	60 x 120	121 x 663	4.764 x 26.102	8.7	19.158	S002000000521
S 2x6 AISI 316	6	60 x 120	121 x 793	4.764 x 31.220	10.3	22.707	S002000000621
S 4x1 AISI 316	1	120 x 120	180 x 141	7.087 x 5.551	2.8	6.151	S004000000121
S 4x2 AISI 316	2	120 x 120	180 x 271	7.087 x 10.669	4.7	10.318	S004000000221
S 4x3 AISI 316	3	120 x 120	180 x 402	7.087 x 15.827	6.6	14.484	S004000000321
S 4x4 AISI 316	4	120 x 120	180 x 532	7.087 x 20.945	8.5	18.629	S004000000421
S 4x5 AISI 316	5	120 x 120	180 x 663	7.087 x 26.102	10.3	22.796	S004000000521
S 4x6 AISI 316	6	120 x 120	180 x 793	7.087 x 31.220	12.2	26.962	S004000000621
S 4+4x1 AISI 316	2	120 x 120	349 x 141	13.740 x 5.551	5.0	11.067	S004400000121
S 4+4+4x1 AISI 316	3	120 x 120	519 x 141	20.433 x 5.551	6.6	14.550	S004440000121
S 6x1 AISI 316	1	180 x 120	238 x 141	9.370 x 5.551	3.3	7.363	S006000000121
S 6x2 AISI 316	2	180 x 120	238 x 271	9.370 x 10.669	5.5	12.147	S006000000221
S 6x3 AISI 316	3	180 x 120	238 x 402	9.370 x 15.827	7.7	16.909	S006000000321
S 6x4 AISI 316	4	180 x 120	238 x 532	9.370 x 20.945	9.8	21.671	S006000000421
S 6x5 AISI 316	5	180 x 120	238 x 663	9.370 x 26.102	12.0	26.455	S006000000521
S 6x6 AISI 316	6	180 x 120	238 x 793	9.370 x 31.220	14.2	31.217	S006000000621
S 6+6x1 AISI 316	2	180 x 120	466 x 141	18.346 x 5.551	6.1	13.492	S006600000121
S 6+6x2 AISI 316	4	180 x 120	476 x 271	18.740 x 10.669	11.1	24.537	S006600000221
S 6+6x3 AISI 316	6	180 x 120	476 x 402	18.740 x 15.827	15.5	34.171	S006600000321
S 6+6x4 AISI 316	8	180 x 120	476 x 532	18.740 x 20.945	19.9	43.872	S006600000421
S 6+6x5 AISI 316	10	180 x 120	476 x 663	18.740 x 26.102	24.3	53.506	S006600000521
S 6+6x6 AISI 316	12	180 x 120	476 x 793	18.740 x 31.220	28.6	63.140	S006600000621

S frame, acid-proof stainless steel

Frame	Frame openings	Packing space (mm)	External dimensions (D=60 mm)		Weight		Art. No
			HxW (mm)	HxW (in)	(kg)	(lb)	
S 8x1 AISI 316	1	240 x 120	298 x 141	11.732 x 5.551	3.9	8.620	S008000000121
S 8x2 AISI 316	2	240 x 120	298 x 271	11.732 x 10.669	6.1	13.382	S008000000221
S 8x3 AISI 316	3	240 x 120	298 x 402	11.732 x 15.827	8.2	18.144	S008000000321
S 8x4 AISI 316	4	240 x 120	298 x 532	11.732 x 20.945	10.4	22.928	S008000000421
S 8x5 AISI 316	5	240 x 120	298 x 663	11.732 x 26.102	12.6	27.690	S008000000521
S 8x6 AISI 316	6	240 x 120	298 x 793	11.732 x 31.220	14.7	32.452	S008000000621
S 8+8x1 AISI 316	2	240 x 120	586 x 141	23.071 x 5.551	7.3	16.005	S008800000121
S 8+8+8x1 AISI 316	3	240 x 120	874 x 141	34.409 x 5.551	9.9	21.826	S008880000121

S frame, aluminum



S 6x1 ALU

See parts needed for a complete solution on page 26.

See installation instructions on page 222.

See practical user guidelines on page 264.

For information about other frame combinations, or for openable versions of this frame, please contact your local Roxtec supplier or e-mail: info@roxtec.com

RATINGS

Fire: A class, H class

Water pressure: 4 bar

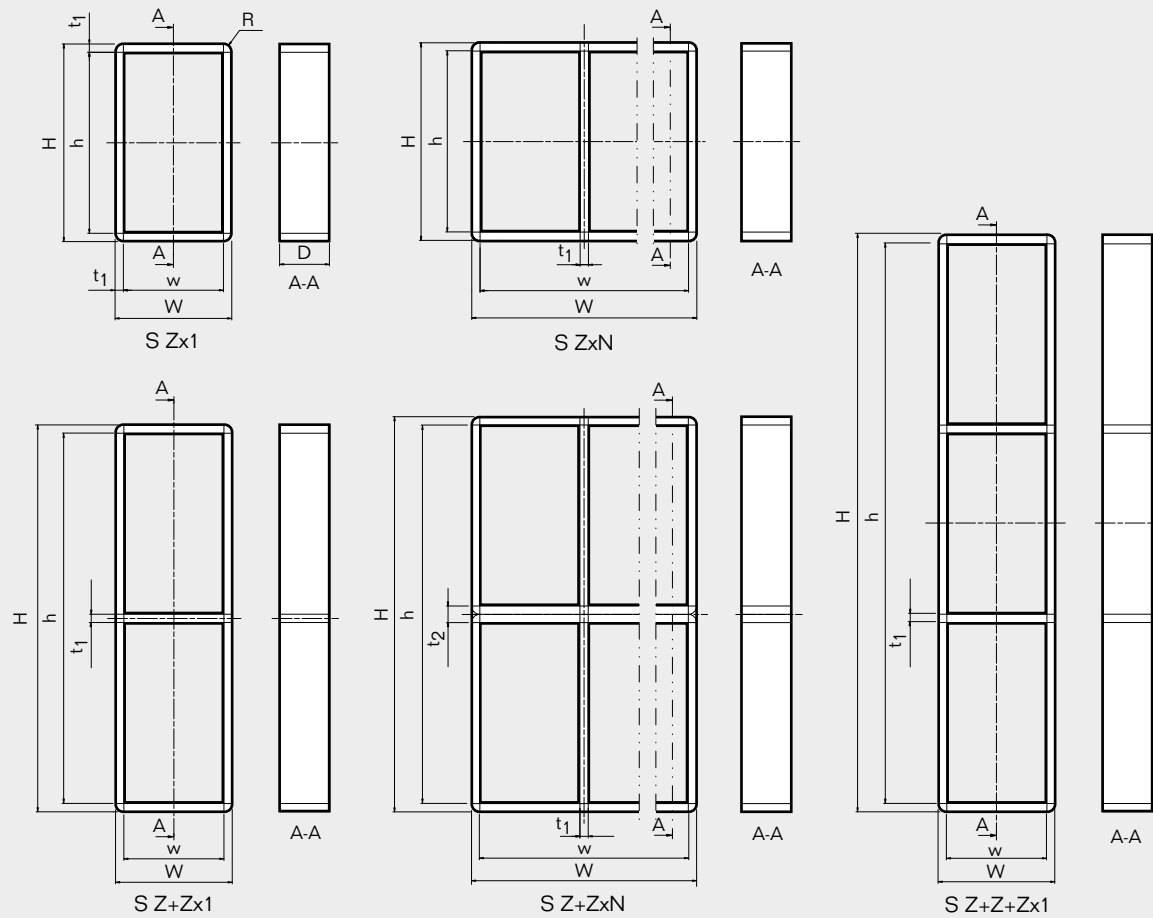
Gas pressure: 2.5 bar

Frame	Frame openings	Packing space (mm)	External dimensions (D=60 mm)		Weight		Art. No
			HxW (mm)	HxW (in)	(kg)	(lb)	
S 2x1 ALU	1	60 x 120	121 x 141	4.764 x 5.551	0.8	1.698	S002000000131
S 2x2 ALU	2	60 x 120	121 x 271	4.764 x 10.669	1.3	2.910	S002000000231
S 2x3 ALU	3	60 x 120	121 x 402	4.764 x 15.827	1.9	4.145	S002000000331
S 2x4 ALU	4	60 x 120	121 x 532	4.764 x 20.945	2.4	5.357	S002000000431
S 2x5 ALU	5	60 x 120	121 x 663	4.764 x 26.102	3.0	6.592	S002000000531
S 2x6 ALU	6	60 x 120	121 x 793	4.764 x 31.220	3.5	7.804	S002000000631
S 2+2x1 ALU	2	60 x 120	232 x 141	9.134 x 5.551	1.3	2.965	S002200000131
S 2+2+2x1 ALU	3	60 x 120	343 x 141	13.504 x 5.551	1.7	3.748	S002220000131
S 4x1 ALU	1	120 x 120	180 x 141	7.087 x 5.551	1.0	2.116	S004000000131
S 4x2 ALU	2	120 x 120	180 x 271	7.087 x 10.669	1.6	3.549	S004000000231
S 4x3 ALU	3	120 x 120	180 x 402	7.087 x 15.827	2.3	4.982	S004000000331

S frame, aluminum

Frame	Frame openings	Packing space (mm)	External dimensions (D=60 mm)		Weight		Art. No
			HxW (mm)	HxW (in)	(kg)	(lb)	
S 4x4 ALU	4	120 x 120	180 x 532	7.087 x 20.945	2.9	6.415	S004000000431
S 4x5 ALU	5	120 x 120	180 x 663	7.087 x 26.102	3.6	7.848	S004000000531
S 4x6 ALU	6	120 x 120	180 x 793	7.087 x 31.220	4.2	9.281	S004000000631
S 4+4x1 ALU	2	120 x 120	349 x 141	13.740 x 5.551	1.7	3.762	S004400000131
S 4+4x2 ALU	4	120 x 120	359 x 271	14.134 x 10.669	3.2	7.099	S004400000231
S 4+4x3 ALU	6	120 x 120	359 x 402	14.134 x 15.827	4.5	9.965	S004400000331
S 4+4x4 ALU	8	120 x 120	359 x 532	14.134 x 20.495	5.8	12.831	S004400000431
S 4+4+4x1 ALU	3	120 x 120	519 x 141	20.433 x 5.551	2.3	5.071	S004440000131
S 6x1 ALU	1	180 x 120	238 x 141	9.370 x 5.551	1.2	2.535	S006000000131
S 6x2 ALU	2	180 x 120	238 x 271	9.370 x 10.669	1.9	4.167	S006000000231
S 6x3 ALU	3	180 x 120	238 x 402	9.370 x 15.827	2.6	5.820	S006000000331
S 6x4 ALU	4	180 x 120	238 x 532	9.370 x 20.495	3.4	7.452	S006000000431
S 6x5 ALU	5	180 x 120	238 x 663	9.370 x 26.102	4.1	9.083	S006000000531
S 6x6 ALU	6	180 x 120	238 x 793	9.370 x 31.220	4.9	10.736	S006000000631
S 6+6x1 ALU	2	180 x 120	466 x 141	18.346 x 5.551	2.1	4.630	S006600000131
S 6+6x2 ALU	4	180 x 120	476 x 271	18.740 x 10.669	3.8	8.333	S006600000231
S 6+6x3 ALU	6	180 x 120	476 x 402	18.740 x 15.827	5.3	11.640	S006600000331
S 6+6x4 ALU	8	180 x 120	476 x 532	18.740 x 20.495	6.8	14.903	S006600000431
S 6+6x5 ALU	10	180 x 120	476 x 663	18.740 x 26.102	8.2	18.166	S006600000531
S 6+6x6 ALU	12	180 x 120	476 x 793	18.740 x 31.220	9.7	21.473	S006600000631
S 6+6+6x1 ALU	3	180 x 120	694 x 141	27.323 x 5.551	2.8	6.173	S006660000131
S 8x1 ALU	1	240 x 120	298 x 141	11.732 x 5.551	1.3	2.954	S008000000131
S 8x2 ALU	2	240 x 120	298 x 271	11.732 x 10.669	2.2	4.806	S008000000231
S 8x3 ALU	3	240 x 120	298 x 402	11.732 x 15.872	3.0	6.658	S008000000331
S 8x4 ALU	4	240 x 120	298 x 532	11.732 x 20.495	3.9	8.532	S008000000431
S 8x5 ALU	5	240 x 120	298 x 663	11.732 x 26.102	4.7	10.385	S008000000531
S 8x6 ALU	6	240 x 120	298 x 793	11.732 x 31.220	5.6	12.236	S008000000631
S 8+8x1 ALU	2	240 x 120	586 x 141	23.071 x 5.551	2.5	5.467	S008800000131
S 8+8+8x1 ALU	3	240 x 120	874 x 141	34.409 x 5.551	3.4	7.496	S008880000131

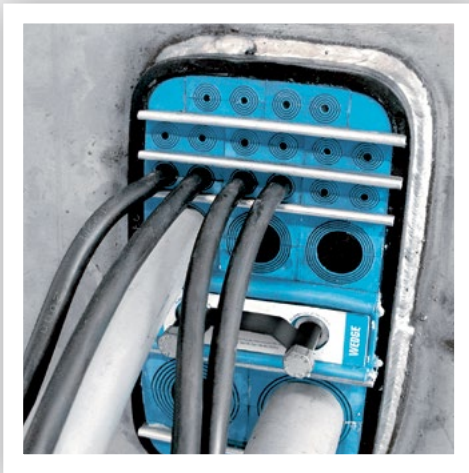
S frame, technical information



Pos	(mm)	(in)
h	H - 20	H - 0.787
w	W - 20	W - 0.787
D	60	2.362
t ₁	10	0.394
t ₂	20	0.787
R	R 10	R 0.394

Z = Frame size
N = Number of horizontal openings

Note: All dimensions are nominal values



Roxtec SRC frame

The Roxtec SRC frame is a metal frame intended for load bearing structures. Designed with rounded corners to reduce stress concentration and the risk of cracks around the frame. Available in two standard versions, SRC r20 and SRC r40.

- For use with Group RM components
- Attachment by welding

SRC frame, corner radius 20 mm, primed mild steel



SRC 6x1 r20 primed

See parts needed for a complete solution on page 26.

See installation instructions on page 226.

See practical user guidelines on page 264.

For information about other frame combinations, please contact your local Roxtec supplier or e-mail: info@roxtec.com

RATINGS

Fire: A class, H class

Water pressure: 4 bar

Gas pressure: 2.5 bar

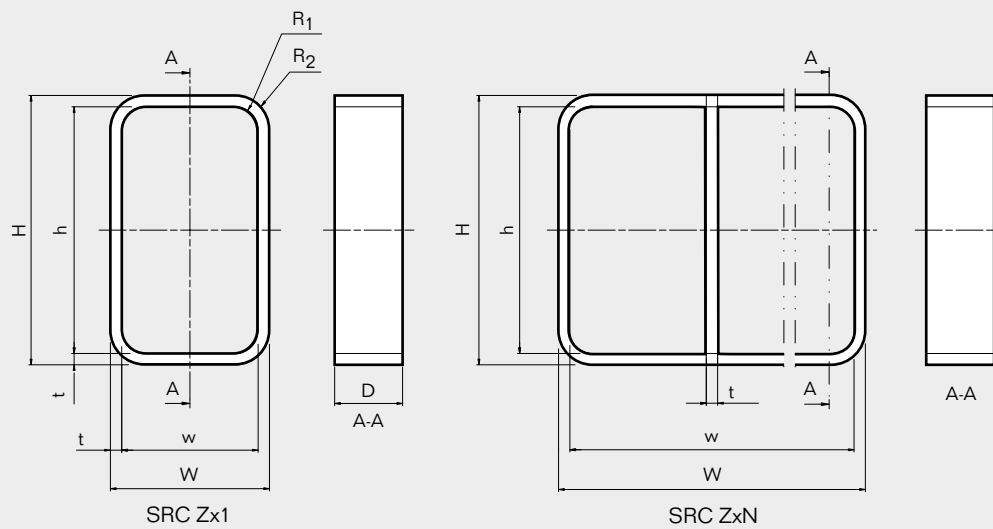
Frame	Frame openings	Packing space* (mm)	External dimensions		Weight		Art. No
			HxW (mm)	HxW (in)	(kg)	(lb)	
SRC 2x1 r20 primed	1	60 x 120	121 x 141	4.764 x 5.551	2.2	4.938	SRC2000020112
SRC 2x2 r20 primed	2	60 x 120	121 x 271	4.764 x 10.669	3.9	8.488	SRC2000020212
SRC 2x3 r20 primed	3	60 x 120	121 x 402	4.764 x 15.827	5.5	12.037	SRC2000020312
SRC 2x4 r20 primed	4	60 x 120	121 x 532	4.764 x 20.945	7.1	15.609	SRC2000020412
SRC 2x5 r20 primed	5	60 x 120	121 x 663	4.764 x 26.102	8.7	19.158	SRC2000020512
SRC 2x6 r20 primed	6	60 x 120	121 x 793	4.764 x 31.220	10.3	22.707	SRC2000020612
SRC 4x1 r20 primed	1	120 x 120	180 x 141	7.077 x 5.551	2.8	6.151	SRC4000020112
SRC 4x2 r20 primed	2	120 x 120	180 x 271	7.077 x 10.669	4.7	10.318	SRC4000020212

SRC frame, corner radius 20 mm, primed mild steel

Frame	Frame openings	Packing space* (mm)	External dimensions		Weight		Art. No
			HxW (mm)	HxW (in)	(kg)	(lb)	
SRC 4x3 r20 primed	3	120 x 120	180 x 402	7.077 x 15.827	6.6	14.484	SRC4000020312
SRC 4x4 r20 primed	4	120 x 120	180 x 532	7.077 x 20.945	8.5	18.629	SRC4000020412
SRC 4x5 r20 primed	5	120 x 120	180 x 663	7.077 x 26.102	10.3	22.796	SRC4000020512
SRC 4x6 r20 primed	6	120 x 120	180 x 793	7.077 x 31.220	12.2	26.962	SRC4000020612
SRC 4x7 r20 primed	7	120 x 120	180 x 924	7.077 x 36.378	14.1	31.129	SRC4000020712
SRC 4x8 r20 primed	8	120 x 120	180 x 1054	7.077 x 41.496	16.0	35.296	SRC4000020812
SRC 4x9 r20 primed	9	120 x 120	180 x 1185	7.077 x 46.654	17.9	39.440	SRC4000020912
SRC 6x1 r20 primed	1	180 x 120	238 x 141	9.370 x 5.551	3.3	7.363	SRC6000020112
SRC 6x2 r20 primed	2	180 x 120	238 x 271	9.370 x 10.669	5.5	12.147	SRC6000020212
SRC 6x3 r20 primed	3	180 x 120	238 x 402	9.370 x 15.827	7.7	16.909	SRC6000020312
SRC 6x4 r20 primed	4	180 x 120	238 x 532	9.370 x 20.945	9.8	21.671	SRC6000020412
SRC 6x5 r20 primed	5	180 x 120	238 x 663	9.370 x 26.102	12.0	26.455	SRC6000020512
SRC 6x6 r20 primed	6	180 x 120	238 x 793	9.370 x 31.220	14.2	31.217	SRC6000020612
SRC 6x7 r20 primed	7	180 x 120	238 x 924	9.370 x 36.378	16.3	35.979	SRC6000020712
SRC 6x8 r20 primed	8	180 x 120	238 x 1054	9.370 x 41.496	18.5	40.763	SRC6000020812
SRC 6x9 r20 primed	9	180 x 120	238 x 1185	9.370 x 45.654	20.8	45.525	SRC6000020912
SRC 8x1 r20 primed	1	240 x 120	298 x 141	11.732 x 5.551	3.9	8.620	SRC8000020112
SRC 8x2 r20 primed	2	240 x 120	298 x 271	11.732 x 10.669	6.1	13.382	SRC8000020212
SRC 8x3 r20 primed	3	240 x 120	298 x 402	11.732 x 15.827	8.2	18.144	SRC8000020312
SRC 8x4 r20 primed	4	240 x 120	298 x 532	11.732 x 20.945	10.4	22.928	SRC8000020412
SRC 8x5 r20 primed	5	240 x 120	298 x 663	11.732 x 26.102	12.6	27.690	SRC8000020512
SRC 8x6 r20 primed	6	240 x 120	298 x 793	11.732 x 31.220	14.7	32.452	SRC8000020612

* Please note that the corner radius reduces actual packing space for SRC frames.

SRC frame, corner radius 20 mm, technical information

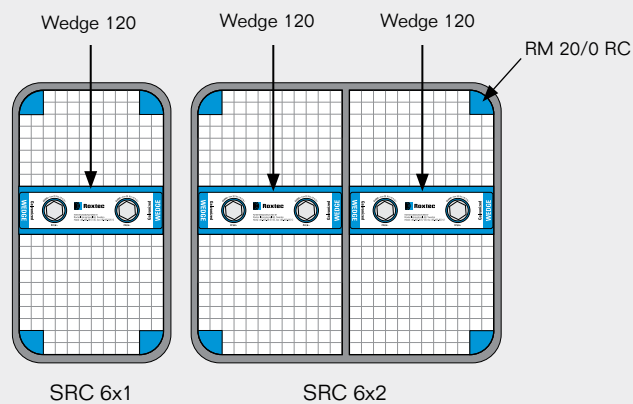


Pos	(mm)	(in)
h	H - 20	H - 0.787
w	W - 20	W - 0.787
D	60	2.362
t	10	0.394
R ₁	R 20 (4x)	R 0.787 (4x)
R ₂	R 30 (4x)	R 1.181 (4x)

Z = Frame size
N = Number of horizontal openings

Note: All dimensions are nominal values

Packing space



SRC frame, corner radius 40 mm, primed mild steel



SRC 6x1 r40 primed

See parts needed for a complete solution on page 26.

See installation instructions on page 226.

See practical user guidelines on page 264.

For information about other frame combinations,
please contact your local Roxtec supplier or e-mail:
info@roxtec.com

RATINGS

Fire: A class, H class

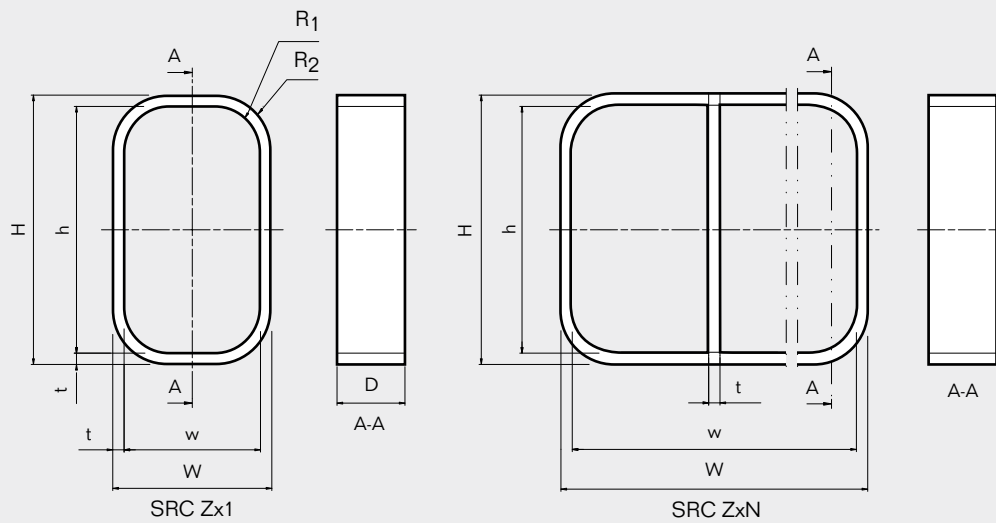
Water pressure: 4 bar

Gas pressure: 2.5 bar

Frame	Frame openings	Packing space (mm)	External dimensions		Weight		Art. No
			HxW (mm)	HxW (in)	(kg)	(lb)	
SRC 4x1 r40 primed	1	120 x 120	180 x 141	7.077 x 5.551	2.8	6.151	SRC4000040112
SRC 4x2 r40 primed	2	120 x 120	180 x 271	7.077 x 10.669	4.7	10.318	SRC4000040212
SRC 4x3 r40 primed	3	120 x 120	180 x 402	7.077 x 15.827	6.6	14.484	SRC4000040312
SRC 4x4 r40 primed	4	120 x 120	180 x 532	7.077 x 20.945	8.5	18.629	SRC4000040412
SRC 4x5 r40 primed	5	120 x 120	180 x 663	7.077 x 26.102	10.3	22.796	SRC4000040512
SRC 4x6 r40 primed	6	120 x 120	180 x 793	7.077 x 31.220	12.2	26.962	SRC4000040612
SRC 4x7 r40 primed	7	120 x 120	180 x 924	7.077 x 36.378	14.1	31.129	SRC4000040712
SRC 4x8 r40 primed	8	120 x 120	180 x 1054	7.077 x 41.496	16.0	35.296	SRC4000040812
SRC 4x9 r40 primed	9	120 x 120	180 x 1185	7.077 x 46.654	17.9	39.440	SRC4000040912
SRC 6x1 r40 primed	1	180 x 120	238 x 141	9.370 x 5.551	3.3	7.363	SRC6000040112
SRC 6x2 r40 primed	2	180 x 120	238 x 271	9.370 x 10.669	5.5	12.147	SRC6000040212
SRC 6x3 r40 primed	3	180 x 120	238 x 402	9.370 x 15.827	7.7	16.909	SRC6000040312
SRC 6x4 r40 primed	4	180 x 120	238 x 532	9.370 x 20.945	9.8	21.671	SRC6000040412
SRC 6x5 r40 primed	5	180 x 120	238 x 663	9.370 x 26.102	12.0	26.455	SRC6000040512
SRC 6x6 r40 primed	6	180 x 120	238 x 793	9.370 x 31.220	14.2	31.217	SRC6000040612
SRC 6x7 r40 primed	7	180 x 120	238 x 924	9.370 x 36.378	16.3	35.979	SRC6000040712
SRC 6x8 r40 primed	8	180 x 120	238 x 1054	9.370 x 41.496	18.5	40.763	SRC6000040812
SRC 6x9 r40 primed	9	180 x 120	238 x 1185	9.370 x 45.654	20.8	45.525	SRC6000040912
SRC 8x1 r40 primed	1	240 x 120	298 x 141	11.732 x 5.551	3.9	8.620	SRC8000040112
SRC 8x2 r40 primed	2	240 x 120	298 x 271	11.732 x 10.669	6.1	13.382	SRC8000040212
SRC 8x3 r40 primed	3	240 x 120	298 x 402	11.732 x 15.827	8.2	18.144	SRC8000040312
SRC 8x4 r40 primed	4	240 x 120	298 x 532	11.732 x 20.945	10.4	22.928	SRC8000040412
SRC 8x5 r40 primed	5	240 x 120	298 x 663	11.732 x 26.102	12.6	27.690	SRC8000040512
SRC 8x6 r40 primed	6	240 x 120	298 x 793	11.732 x 31.220	14.7	32.452	SRC8000040612

* Please note that the corner radius reduces actual packing space for SRC frames.

SRC frame, corner radius 40 mm, technical information

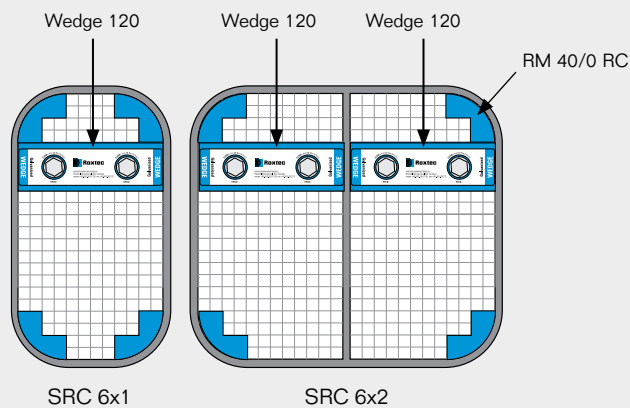


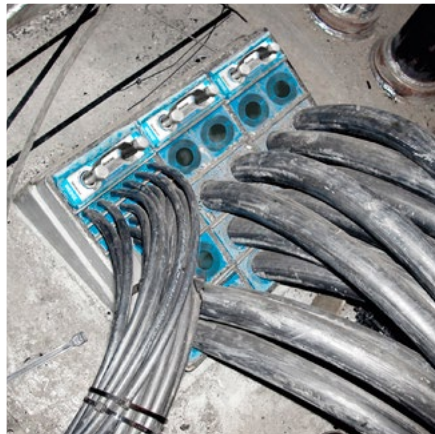
Pos	(mm)	(in)
h	H - 20	H - 0.787
w	W - 20	W - 0.787
D	60	2.362
t	10	0.394
R ₁	R 40 (4x)	R 1.575 (4x)
R ₂	R 50 (4x)	R 1.969 (4x)

Z = Frame size
N = Number of horizontal openings

Note: All dimensions are nominal values

Packing space





Roxtec SK frame

Roxtec SK frame is an S frame with extended depth. This enables, among other benefits, angled installations and/or increased distance between the packing space and the steel section.

- For use with Group RM components
- Attachment by welding

SK frame, primed mild steel



SK 6x1 primed

See parts needed for a complete solution on page 26.

See installation instructions on page 222.

See practical user guidelines on page 264.

Remove primer from the inside of the frame to ensure good conductivity in EMC applications.

For information about other frame combinations, please contact your local Roxtec supplier or e-mail: info@roxtec.com

RATINGS

Fire: A class, H class

Water pressure: 4 bar

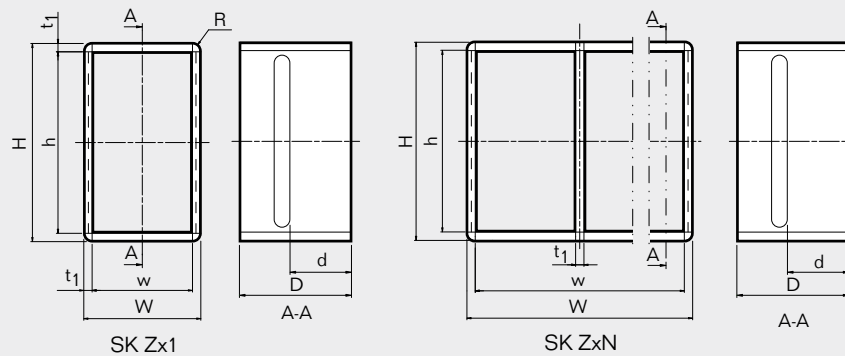
Gas pressure: 2.5 bar

Frame	Frame openings	Packing space (mm)	External dimensions (D=100 mm)		Weight		Art. No
			HxW (mm)	HxW (in)	(kg)	(lb)	
SK 2x1 primed	1	60 x 120	121 x 141	4.764 x 5.551	4.4	9.612	5SK0000002074
SK 2x2 primed	2	60 x 120	121 x 271	4.764 x 10.669	7.1	15.675	5SK0000003137
SK 2x3 primed	3	60 x 120	121 x 402	4.764 x 15.827	9.9	21.738	5SK0000003138
SK 2x4 primed	4	60 x 120	121 x 532	4.764 x 20.945	12.6	27.800	5SK0000003148
SK 4x1 primed	1	120 x 120	180 x 141	7.087 x 5.551	5.4	11.905	5SK0000004398
SK 4x2 primed	2	120 x 120	180 x 271	7.087 x 10.669	8.4	18.585	5SK0000003139
SK 4x3 primed	3	120 x 120	180 x 402	7.087 x 15.827	11.5	25.243	5SK0000003140
SK 4x4 primed	4	120 x 120	180 x 532	7.087 x 20.945	14.5	31.923	5SK0000003141

SK frame, primed mild steel

Frame	Frame openings	Packing space (mm)	External dimensions (D=100 mm)		Weight		Art. No
			HxW (mm)	HxW (in)	(kg)	(lb)	
SK 6x1 primed	1	180 x 120	238 x 141	9.370 x 5.551	5.2	11.464	5SK0000004397
SK 6x2 primed	2	180 x 120	238 x 271	9.370 x 10.669	8.2	18.298	5SK0000004504
SK 6x3 primed	3	180 x 120	238 x 402	9.370 x 15.827	11	24.251	5SK0000004399
SK 6x4 primed	4	180 x 120	238 x 532	9.370 x 20.945	14.3	31.526	5SK0000004400
SK 8x1 primed	1	240 x 120	298 x 141	11.732 x 5.551	7.5	16.535	5SK0000004915
SK 8x2 primed	2	240 x 120	298 x 271	11.732 x 10.669	12.4	27.315	5SK0000003145
SK 8x3 primed	3	240 x 120	298 x 402	11.732 x 15.827	17.3	38.118	5SK0000003146
SK 8x4 primed	4	240 x 120	298 x 532	11.732 x 20.945	22.2	48.899	5SK0000003147

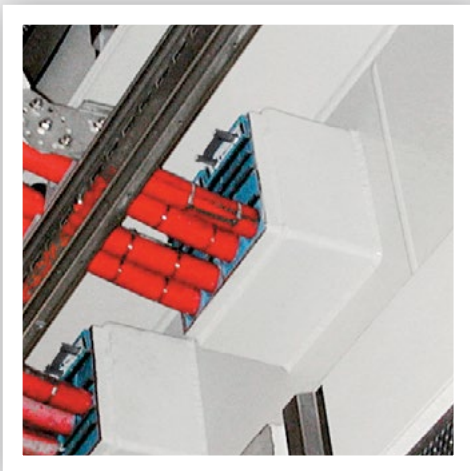
SK frame, technical information



Pos	(mm)	(in)
h	H - 20	H - 0.787
w	W - 20	W - 0.787
D	100	3.937
d	60	2.362
t ₁	10	0.394
R	R 10	R 0.394

Z = Frame size
N = Number of horizontal openings

Note: All dimensions are nominal values



Roxtec SBTB frame

The Roxtec SBTB frame is a metal frame with two packing spaces behind each other (back-to-back). The SBTB frame is designed to meet high levels of fire protection and for easy verification of pressure tightness after installation.

- For use with two sets of Group RM components
- Pressure test pipe available
- Attachment by welding

SBTB frame, primed mild steel



SBTB 6x1 primed

See parts needed for a complete solution on page 26.

See installation instructions on page 222.

See practical user guidelines on page 264.

Remove primer from the inside of the frame to ensure good conductivity in EMC applications.

For information about other frame combinations, please contact your local Roxtec supplier or e-mail: info@roxtec.com

RATINGS

Fire: A class, H class

Water pressure: 4 bar

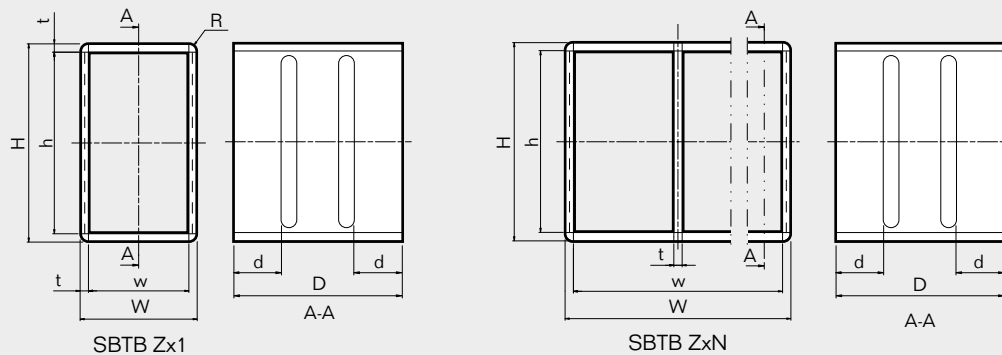
Gas pressure: 2.5 bar

Frame	Frame openings	Packing space (mm)	External dimensions (D=200 mm)		Weight		Art. No
			HxW (mm)	HxW (in)	(kg)	(lb)	
SBTB 2x1 primed	1	60 x 120	121 x 141	4.764 x 5.531	7.2	15.939	5SBT000003961
SBTB 2x2 primed	2	60 x 120	121 x 271	4.764 x 10.669	12.0	26.389	SBTB020000212
SBTB 2x3 primed	3	60 x 120	121 x 402	4.764 x 15.827	16.7	36.839	SBTB020000312
SBTB 2x4 primed	4	60 x 120	121 x 532	4.764 x 20.945	21.5	47.289	SBTB020000412
SBTB 4x1 primed	1	120 x 120	180 x 141	7.087 x 5.531	8.9	19.709	5S00000004392
SBTB 4x2 primed	2	120 x 120	180 x 271	7.087 x 10.669	14.2	31.372	SBTB040000212
SBTB 4x3 primed	3	120 x 120	180 x 402	7.087 x 15.807	19.5	43.034	SBTB040000312
SBTB 4x4 primed	4	120 x 120	180 x 532	7.087 x 20.945	24.8	54.697	SBTB040000412
SBTB 4x5 primed	5	120 x 120	180 x 663	7.087 x 26.083	30.1	66.359	SBTB040000512
SBTB 4x6 primed	6	120 x 120	180 x 793	7.087 x 31.220	35.4	78.022	SBTB040000612

SBTB frame, primed mild steel

Frame	Frame openings	Packing space (mm)	External dimensions (D=200 mm)		Weight		Art. No
			HxW (mm)	HxW (in)	(kg)	(lb)	
SBTB 6x1 primed	1	180 x 120	238 x 141	9.370 x 5.531	10.6	23.479	5S00000004391
SBTB 6x2 primed	2	180 x 120	238 x 271	9.370 x 10.669	16.5	36.354	5S00000004503
SBTB 6x3 primed	3	180 x 120	238 x 402	9.370 x 15.807	22.3	49.229	5S00000004393
SBTB 6x4 primed	4	180 x 120	238 x 532	9.370 x 20.945	28.2	62.104	5S00000004394
SBTB 6x5 primed	5	180 x 120	238 x 663	9.370 x 26.083	34.0	74.979	5S00000004528
SBTB 6x6 primed	6	180 x 120	238 x 793	9.370 x 31.220	39.9	87.854	5S00000004500
SBTB 8x1 primed	1	240 x 120	298 x 141	11.732 x 5.531	12.4	27.337	SBTB080000112
SBTB 8x2 primed	2	240 x 120	298 x 271	11.732 x 10.669	18.8	41.469	SBTB080000212
SBTB 8x3 primed	3	240 x 120	298 x 402	11.732 x 15.807	25.2	55.579	SBTB080000312
SBTB 8x4 primed	4	240 x 120	298 x 532	11.732 x 20.945	31.6	69.710	SBTB080000412

SBTB frame, technical information



Pos	(mm)	(in)
h	H - 20	H - 0.787
w	W - 20	W - 0.787
D	200	7.874
d	60	2.362
t	10	0.394
R	R 10	R 0.394

Z = Frame size
N = Number of horizontal openings

Note: All dimensions are nominal values



Roxtec SF frame

Roxtec SF frame is a metal frame with flange. Available with a single opening, or in combinations with several openings in width and/or height.

- For use with Group RM components
- Attachment by welding or bolting

SF frame, primed mild steel



SF 6x1 primed

See parts needed for a complete solution on page 26.

See installation instructions on page 222.

See practical user guidelines on page 264.

Remove primer from the inside of the frame to ensure good conductivity in EMC applications.

For information about other frame combinations, or for openable versions of this frame, please contact your local Roxtec supplier or e-mail: info@roxtec.com

RATINGS

Fire: A class, H class

Water pressure: 4 bar

Gas pressure: 2.5 bar

Frame	Frame openings	Packing space (mm)	External dimensions (D=60 mm)		Weight		Art. No
			HxW (mm)	HxW (in)	(kg)	(lb)	
SF 2x1 primed	1	60 x 120	241 x 261	9.488 x 10.276	6.0	13.184	SFF2000000112
SF 2x2 primed	2	60 x 120	241 x 391	9.488 x 15.394	9.0	19.775	SFF2000000212
SF 2x3 primed	3	60 x 120	241 x 522	9.488 x 20.551	12.0	26.345	SFF2000000312
SF 2x4 primed	4	60 x 120	241 x 652	9.488 x 25.669	14.9	32.937	SFF2000000412
SF 2x5 primed	5	60 x 120	241 x 783	9.488 x 30.827	17.9	39.528	SFF2000000512
SF 2x6 primed	6	60 x 120	241 x 913	9.488 x 35.945	20.9	46.098	SFF2000000612
SF 4x1 primed	1	120 x 120	300 x 261	11.811 x 10.276	7.1	15.675	SFF4000000112
SF 4x2 primed	2	120 x 120	300 x 391	11.811 x 15.394	10.4	22.862	SFF4000000212
SF 4x3 primed	3	120 x 120	300 x 522	11.811 x 20.551	13.6	30.049	SFF4000000312
SF 4x4 primed	4	120 x 120	300 x 652	11.811 x 25.669	16.9	37.236	SFF4000000412

SF frame, primed mild steel

Frame	Frame openings	Packing space (mm)	External dimensions (D=60 mm)		Weight		Art. No
			HxW (mm)	HxW (in)	(kg)	(lb)	
SF 4x5 primed	5	120 x 120	300 x 783	11.811 x 30.827	20.2	44.423	SFF4000000512
SF 4x6 primed	6	120 x 120	300 x 913	11.811 x 35.945	23.4	51.632	SFF4000000612
SF 4+4x1 primed	2	120 x 120	469 x 261	18.465 x 10.276	10.9	24.118	SFF4400000112
SF 4+4+4x1 primed	3	120 x 120	639 x 261	25.157 x 10.276	14.8	32.540	SFF4440000112
SF 6x1 primed	1	180 x 120	358 x 261	14.095 x 10.276	8.2	18.144	SFF6000000112
SF 6x2 primed	2	180 x 120	358 x 391	14.095 x 15.394	11.8	25.948	SFF6000000212
SF 6x3 primed	3	180 x 120	358 x 522	14.095 x 20.551	15.3	33.752	SFF6000000312
SF 6x4 primed	4	180 x 120	358 x 652	14.095 x 25.669	18.8	41.557	SFF6000000412
SF 6x5 primed	5	180 x 120	358 x 783	14.095 x 30.827	22.4	49.339	SFF6000000512
SF 6x6 primed	6	180 x 120	358 x 913	14.095 x 35.945	25.9	57.143	SFF6000000612
SF 6+6x1 primed	2	180 x 120	586 x 261	23.071 x 10.276	13.1	28.968	SFF6600000112
SF 6+6x2 primed	4	180 x 120	596 x 391	23.465 x 15.394	19.6	43.320	SFF6600000212
SF 6+6x3 primed	6	180 x 120	596 x 522	23.465 x 20.551	25.4	56.107	SFF6600000312
SF 6+6x4 primed	8	180 x 120	596 x 652	23.465 x 25.669	31.2	68.872	SFF6600000412
SF 6+6x5 primed	10	180 x 120	596 x 783	23.465 x 30.827	37.0	81.636	SFF6600000512
SF 6+6x6 primed	12	180 x 120	596 x 913	23.465 x 35.945	42.8	94.423	SFF6600000612
SF 6+6x7 primed	14	180 x 120	596 x 1044	23.465 x 41.102	48.6	107.188	SFF6600000712
SF 6+6x8 primed	16	180 x 120	596 x 1174	23.465 x 46.220	54.4	119.974	SFF6600000812
SF 6+6x9 primed	18	180 x 120	596 x 1305	23.465 x 51.378	60.2	132.739	SFF6600000912
SF 6+6x10 primed	20	180 x 120	596 x 1435	23.465 x 56.496	66.0	145.504	SFF6600001012
SF 6+6+6x1 primed	3	180 x 120	814 x 261	32.047 x 10.276	18.1	39.991	SFF6660000112
SF 8x1 primed	1	240 x 120	418 x 261	16.457 x 10.276	9.4	20.701	SFF8000000112
SF 8x2 primed	2	240 x 120	418 x 391	16.457 x 15.394	13.2	29.123	SFF8000000212
SF 8x3 primed	3	240 x 120	418 x 522	16.457 x 20.551	17.0	37.544	SFF8000000312
SF 8x4 primed	4	240 x 120	418 x 652	16.457 x 25.669	20.8	45.966	SFF8000000412
SF 8x5 primed	5	240 x 120	418 x 783	16.457 x 30.827	24.7	54.387	SFF8000000512
SF 8x6 primed	6	240 x 120	418 x 913	16.457 x 35.945	28.5	62.809	SFF8000000612
SF 8+8x1 primed	2	240 x 120	706 x 261	27.795 x 10.276	15.5	34.171	SFF8800000112
SF 8+8x2 primed	4	240 x 120	716 x 391	28.189 x 15.394	22.6	49.758	SFF8800000212
SF 8+8x3 primed	6	240 x 120	716 x 522	28.189 x 20.551	28.9	63.779	SFF8800000312
SF 8+8x4 primed	8	240 x 120	716 x 652	28.189 x 25.669	35.3	77.800	SFF8800000412
SF 8+8x5 primed	10	240 x 120	716 x 783	28.189 x 30.827	41.6	91.822	SFF8800000512
SF 8+8x6 primed	12	240 x 120	716 x 913	28.189 x 35.945	48.0	105.843	SFF8800000612
SF 8+8x7 primed	14	240 x 120	716 x 1044	28.189 x 41.102	54.4	119.864	SFF8800000712
SF 8+8x8 primed	16	240 x 120	716 x 1174	28.189 x 46.220	60.7	133.885	SFF8800000812
SF 8+8x9 primed	18	240 x 120	716 x 1305	28.189 x 51.378	67.1	147.907	SFF8800000912
SF 8+8x10 primed	20	240 x 120	716 x 1435	28.189 x 56.496	73.4	161.928	SFF8800001012
SF 8+8+8x1 primed	3	240 x 120	944 x 261	37.165 x 10.276	21.6	47.619	SFF8880000112

SF frame, acid-proof stainless steel



SF 6x1 AISI 316

See parts needed for a complete solution on page 26.

See installation instructions on page 222.

See practical user guidelines on page 264.

For information about other frame combinations, or for openable versions of this frame, please contact your local Roxtec supplier or e-mail: info@roxtec.com

RATINGS Fire: A class, H class Water pressure: 4 bar Gas pressure: 2.5 bar							
Frame	Frame openings	Packing space (mm)	External dimensions (D=60 mm) HxW (mm) HxW (in)		Weight (kg) (lb)		Art. No
SF 2x1 AISI 316	1	60 x 120	241 x 261	9.488 x 10.276	6.0	13.184	SFF2000000121
SF 4x1 AISI 316	1	120 x 120	300 x 261	11.811 x 10.276	7.1	15.675	SFF4000000121
SF 4x2 AISI 316	2	120 x 120	300 x 391	11.811 x 15.394	10.4	22.862	SFF4000000221
SF 4x3 AISI 316	3	120 x 120	300 x 522	11.811 x 20.551	13.6	30.049	SFF4000000321
SF 4x4 AISI 316	4	120 x 120	300 x 652	11.811 x 25.669	16.9	37.236	SFF4000000421
SF 6x1 AISI 316	1	180 x 120	358 x 261	14.095 x 10.276	8.2	18.144	SFF6000000121
SF 6x2 AISI 316	2	180 x 120	358 x 391	14.095 x 15.394	11.8	25.948	SFF6000000221
SF 6x3 AISI 316	3	180 x 120	358 x 522	14.095 x 20.551	15.3	33.752	SFF6000000321
SF 6x4 AISI 316	4	180 x 120	358 x 652	14.095 x 25.669	18.8	41.557	SFF6000000421
SF 8x1 AISI 316	1	240 x 120	418 x 261	16.457 x 10.276	9.4	20.701	SFF8000000121
SF 8x2 AISI 316	2	240 x 120	418 x 391	16.457 x 15.394	13.2	29.123	SFF8000000221
SF 8x3 AISI 316	3	240 x 120	418 x 522	16.457 x 20.551	17.0	37.544	SFF8000000321
SF 8x4 AISI 316	4	240 x 120	418 x 652	16.457 x 25.669	20.8	45.966	SFF8000000421

SF frame, aluminum



SF 6x1 ALU

See parts needed for a complete solution on page 26.

See installation instructions on page 222.

See practical user guidelines on page 264.

For information about other frame combinations, or for openable versions of this frame, please contact your local Roxtec supplier or e-mail: info@roxtec.com

RATINGS

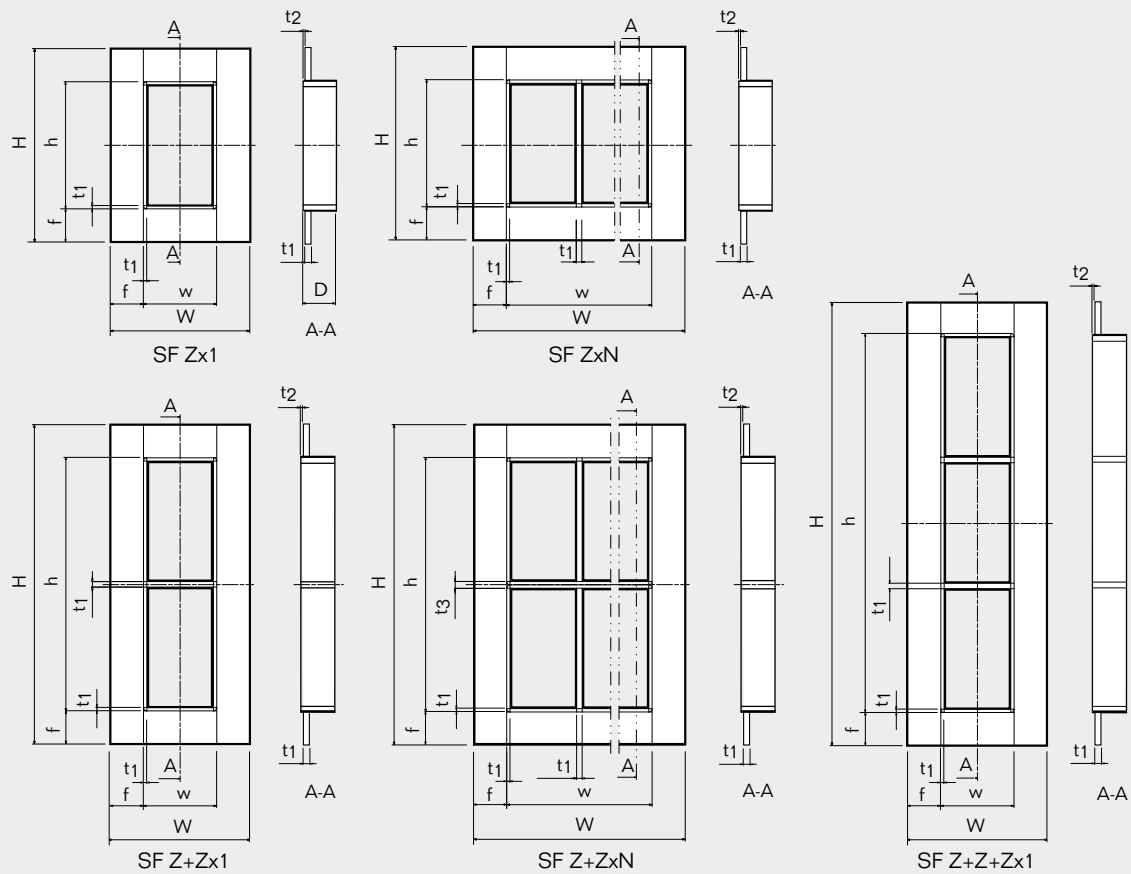
Fire: A class, H class

Water pressure: 4 bar

Gas pressure: 2.5 bar

Frame	Frame openings	Packing space (mm)	External dimensions (D=60 mm)		Weight		Art. No
			HxW (mm)	HxW (in)	(kg)	(lb)	
SF 2x1 ALU	1	60 x 120	241 x 261	9.488 x 10.276	2.1	4.541	SFF2000000131
SF 4x1 ALU	1	120 x 120	300 x 261	11.811 x 10.276	2.4	5.379	SFF4000000131
SF 4x2 ALU	2	120 x 120	300 x 391	11.811 x 15.394	3.6	7.870	SFF4000000231
SF 4x3 ALU	3	120 x 120	300 x 522	11.811 x 20.551	4.7	10.340	SFF4000000331
SF 4x4 ALU	4	120 x 120	300 x 652	11.811 x 25.669	5.8	12.809	SFF4000000431
SF 6x1 ALU	1	180 x 120	358 x 261	14.095 x 10.276	3.3	7.187	SFF6000000131
SF 6x2 ALU	2	180 x 120	358 x 391	14.095 x 15.394	4.6	10.229	SFF6000000231
SF 6x3 ALU	3	180 x 120	358 x 522	14.095 x 20.551	6.0	13.250	SFF6000000331
SF 6x4 ALU	4	180 x 120	358 x 652	14.095 x 25.669	7.4	16.292	SFF6000000431
SF 8x1 ALU	1	240 x 120	418 x 261	16.457 x 10.276	3.7	8.157	SFF8000000131
SF 8x2 ALU	2	240 x 120	418 x 391	16.457 x 15.394	5.2	11.398	SFF8000000231
SF 8x3 ALU	3	240 x 120	418 x 522	16.457 x 20.551	6.6	14.661	SFF8000000331
SF 8x4 ALU	4	240 x 120	418 x 652	16.457 x 25.669	8.1	17.901	SFF8000000431

SF frame, technical information



Pos	(mm)	(in)
h	H - 120	H - 4.724
w	W - 120	W - 4.724
D	60	2.362
f	60	2.362
t1	10	0.394
t2	3	0.118
t3	20	0.787

Z = Frame size
N = Number of horizontal openings

Note: All dimensions are nominal values



Roxtec GHM frame

The Roxtec GHM frame is designed for installation through bolting where welding is not suitable. The frame is sealed onto the structure by use of the TSL sealing strip.

- For use with Group RM components
- Attachment by bolting
- Drilled according to standardized hole pattern

GHM frame, primed mild steel



GHM 6x1 primed

See parts needed for a complete solution on page 26.

See installation instructions on page 222.

See practical user guidelines on page 264.

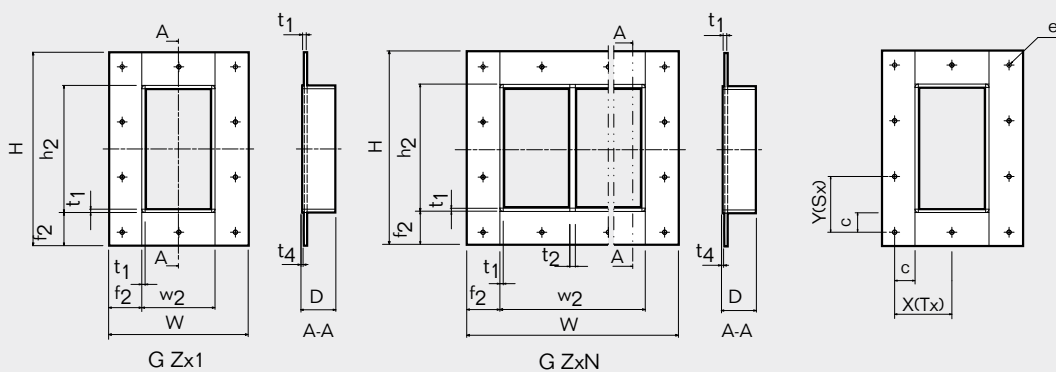
Remove primer from the inside of the frame to ensure good conductivity in EMC applications.

For information about other frame combinations, please contact your local Roxtec supplier or e-mail: info@roxtec.com

RATINGS Fire: A class Water pressure: 3 bar Gas pressure: 1.5 bar

Frame	Frame openings	Packing space (mm)	External dimensions (D=60 mm)		Weight		Art. No
			HxW (mm)	HxW (in)	(kg)	(lb)	
GHM 2x1 primed	1	60 x 120	233 x 253	9.173 x 9.961	3.4	7.562	GHM2000000112
GHM 2x2 primed	2	60 x 120	233 x 383	9.173 x 15.079	5.4	11.905	GHM2000000212
GHM 2x3 primed	3	60 x 120	233 x 514	9.173 x 20.236	7.4	16.218	GHM2000000312
GHM 4x1 primed	1	120 x 120	292 x 253	11.496 x 9.961	4.1	9.039	GHM4000000112
GHM 4x2 primed	2	120 x 120	292 x 383	11.496 x 15.079	6.3	13.977	GHM4000000212
GHM 4x3 primed	3	120 x 120	292 x 514	11.496 x 20.236	8.6	18.938	GHM4000000312
GHM 6x1 primed	1	180 x 120	350 x 253	13.780 x 13.961	4.8	10.516	GHM6000000112
GHM 6x2 primed	2	180 x 120	350 x 383	13.780 x 15.079	7.3	16.072	GHM6000000212
GHM 6x3 primed	3	180 x 120	350 x 514	13.780 x 20.236	9.8	21.627	GHM6000000312

GHM frame, technical information



Z = Frame size

N = Number of horizontal openings

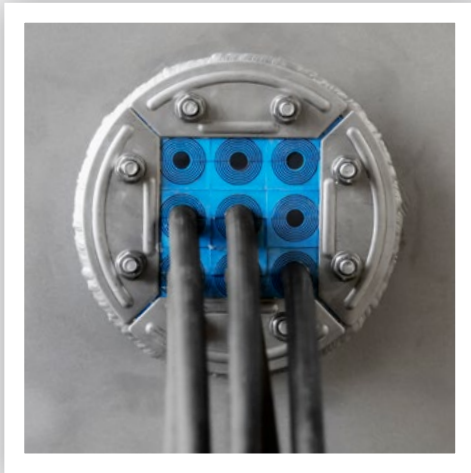
Hole pattern

Pos	(mm)	(in)
h ₂	H - 120	H - 4.724
w ₂	W - 120	W - 4.724
D	60	2.362
f ₂	60	2.362
t ₁	6	0.263
t ₂	10	0.394
t ₃	12	0.394
t ₄	3	0.118
e	10	0.394
c	35	1.378

	X(Tx)		
	X (mm)	X (in)	T
GHM 2x1	101.3	3.988	2
GHM 2x2	111	4.370	3
GHM 2x3	92.7	3.650	5
GHM 4x1	101.3	3.988	2
GHM 4x2	111	4.370	3
GHM 4x3	92.7	3.650	5
GHM 6x1	101.3	3.988	2
GHM 6x2	111	4.370	3
GHM 6x3	92.7	3.650	5

Y(Sx)		
Y (mm)	Y (in)	S
91.5	3.602	2
91.5	3.602	2
91.5	3.602	2
80.5	3.169	3
80.5	3.169	3
80.5	3.169	3
75	2.953	4
75	2.953	4
75	2.953	4

Note: All dimensions are nominal values



Roxtec R frame

The Roxtec R is a round expansion frame with a square packing space for cables and modules. Compression is integrated in the frame. Allows installation around existing cables.

- For use with RM modules
- Attachment by expansion in sleeves
- Sleeves are available

R frame, galvanized fittings



R 100 galv



R 125 galv



R 127 galv



R 150 galv



R 200 galv

See parts needed for a complete solution on page 26.

See sleeves on page 66.

See installation instructions on page 231.

RATINGS Fire: A class, H class Water pressure: 4 bar Gas pressure: 2.5 bar

Frame	Packing space (mm)	For hole Ø		Weight		Art. No
		(mm)	(in)	(kg)	(lb)	
R 100 galv	60 x 60	100-102	3.937-4.016	0.7	1.499	R000001001018
R 125 galv	80 x 80	125-127	4.921-5.000	1.1	2.447	R000001251018
R 127 galv	80 x 80	127-129	5.000-5.079	1.1	2.447	R000001271018
R 150 galv	90 x 90	150-152	5.906-5.984	1.6	3.638	R000001501018
R 200 galv	120 x 120	200-202	7.874-7.953	2.6	5.732	R000002001018

R frame, acid-proof stainless steel fittings



R 70 AISI 316



R 75 AISI 316



R 100 AISI 316



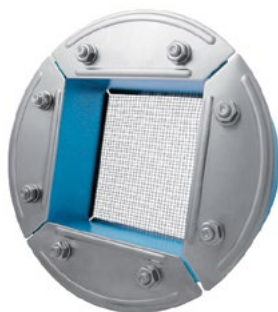
R 125 AISI 316



R 127 AISI 316



R 150 AISI 316



R 200 AISI 316

See parts needed for a complete solution on page 26.

See sleeves on page 66.

See installation instructions on page 231.

RATINGS

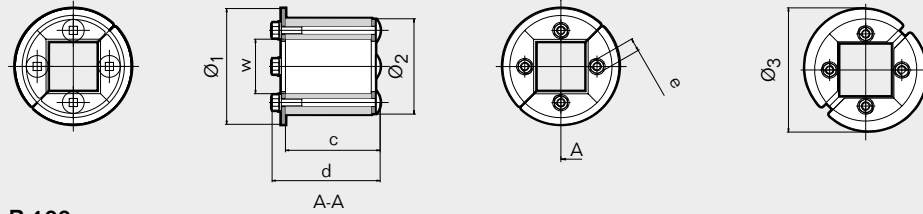
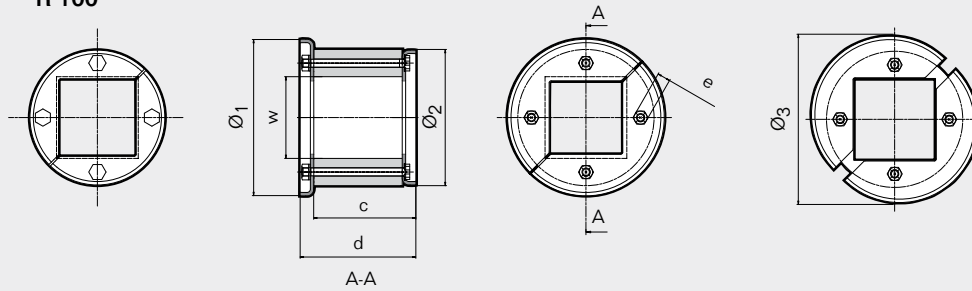
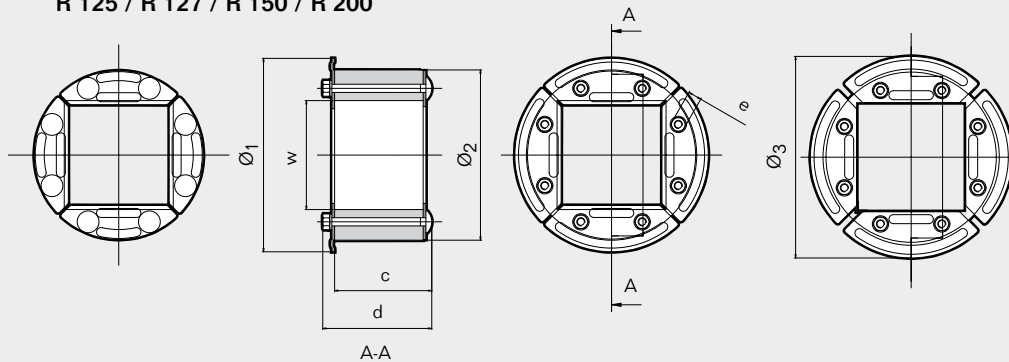
Fire: A class, H class

Water pressure: 4 bar

Gas pressure: 2.5 bar

Frame	Packing space (mm)	For hole Ø		Weight		Art. No
		(mm)	(in)	(kg)	(lb)	
R 70 AISI 316	40 x 40	70-72	2.756-2.835	0.5	1.014	R000000701021
R 75 AISI 316	40 x 40	75-77	2.953-3.031	0.5	1.102	R000000751021
R 100 AISI 316	60 x 60	100-102	3.937-4.016	0.6	1.499	R000001001021
R 125 AISI 316	80 x 80	125-127	4.921-5.000	1.1	2.447	R000001251021
R 127 AISI 316	80 x 80	127-129	5.000-5.079	1.1	2.447	R000001271021
R 150 AISI 316	90 x 90	150-152	5.906-5.984	1.6	3.638	R000001501021
R 200 AISI 316	120 x 120	200-202	7.874-7.953	2.6	5.732	R000002001021

R frame, technical information

R 70 / R 75

R 100

R 125 / R 127 / R 150 / R 200


	R 70		R 75		R 100		R 125		R 127		R 150		R 200	
Pos	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)
Ø ₁	85	3.346	85	3.346	115	4.528	142	5.591	142	5.591	165	6.496	215	8.465
Ø ₂	70	2.756	75	2.953	100	3.937	125	4.921	127	5.000	150	5.906	200	7.874
Ø ₃	91	3.583	91	3.583	125	4.921	148	5.827	148	5.827	171	6.732	223	8.780
w (□)	40	1.575	40	1.575	60	2.362	80	3.150	80	3.150	90	3.543	120	4.724
c	71	2.795	71	2.795	75	2.953	71	2.795	71	2.795	71	2.795	71	2.795
d	85	3.346	85	3.346	85	3.346	80	3.150	80	3.150	85	3.346	85	3.346
e	*	*	*	*	*	*	**	**	**	**	***	***	***	***

* SW10 mm (4x) / SW0.394" (4x) ** SW10 mm (8x) / SW0.394 (8x) *** SW13 mm (8x) / SW0.512 (8x)

Ø₃ = Dimension with front fittings in outer position

Note: All dimensions are nominal values

Sleeves without flange, for R frame



SLR primed mild steel



SLR acid-proof stainless steel



SLR aluminum

See practical user guidelines on page 264.

Primed mild steel

Sleeve	External dimensions				Internal Ø		Weight		Art. No
	Ø (mm)	Ø (in)	L (mm)	L (in)	(mm)	(in)	(kg)	(lb)	
SLR 70 primed	83	3.262	55	2.165	71.5	2.815	0.58	1.27	ASLR100700012
SLR 75 primed	89	3.498	55	2.165	76.5	3.012	0.72	1.58	ASLR100750012
SLR 100 primed	114	4.480	55	2.165	101	3.976	0.93	2.05	ASLR101000012
SLR 125 primed	140	5.502	55	2.165	126	4.961	1.17	2.59	ASLR101250012
SLR 127 primed	140	5.502	55	2.165	128	5.039	1.01	2.23	ASLR101270012
SLR 150 primed	164	6.445	55	2.165	151	5.945	1.38	3.04	ASLR101500012
SLR 200 primed	214	8.410	55	2.165	201	7.913	1.80	3.97	ASLR102000012

Acid-proof stainless steel

Sleeve	External dimensions				Internal Ø		Weight		Art. No
	Ø (mm)	Ø (in)	L (mm)	L (in)	(mm)	(in)	(kg)	(lb)	
SLR 70 AISI 316	83	3.262	55	2.165	71.5	2.815	0.60	1.32	ASLR100700021
SLR 75 AISI 316	89	3.498	55	2.165	76.5	3.012	0.71	1.57	ASLR100750021
SLR 100 AISI316	114	4.480	55	2.165	101	3.976	0.96	2.12	ASLR101000021
SLR 125 AISI 316	140	5.502	55	2.165	126	4.961	1.21	2.66	ASLR101250021
SLR 127 AISI 316	140	5.502	55	2.165	128	5.039	1.09	2.41	ASLR101270021
SLR 150 AISI 316	164	6.445	55	2.165	151	5.945	1.39	3.07	ASLR101500021
SLR 200 AISI 316	214	8.410	55	2.165	201	7.913	1.85	4.07	ASLR102000021

Aluminum

Sleeve	External dimensions				Internal Ø		Weight		Art. No
	Ø (mm)	Ø (in)	L (mm)	L (in)	(mm)	(in)	(kg)	(lb)	
SLR 70 Alu	83	3.268	55	2.165	71.5	2.815	0.15	0.33	5ASLR00003974
SLR 75 Alu	89	3.504	55	2.165	76.5	3.012	0.22	0.49	5ASLR00008711
SLR 100 Alu	114	4.488	55	2.165	101	3.976	0.33	0.73	5ASLR00000894
SLR 125 Alu	140	5.512	55	2.165	126	4.961	0.40	0.88	5ASLR000007647
SLR 127 Alu	140	5.512	55	2.165	128	5.039	0.50	1.10	5ASLR00003246
SLR 150 Alu	164	6.457	55	2.165	151	5.945	0.45	0.99	5ASLR00003239
SLR 200 Alu	214	8.425	55	2.165	201	7.913	1.00	2.20	5ASLR00003240

Sleeves with flange, for R frame



SLFR primed mild steel



SLFR galvanized mild steel



SLFR aluminum

See practical user guidelines on page 264.

Primed mild steel

Sleeve	External flange Ø		External dimensions				Internal Ø		Weight		Art. No
	(mm)	(in)	Ø (mm)	Ø (in)	L (mm)	L (in)	(mm)	(in)	(kg)	(lb)	
SLFR 70 primed	160	6.299	160	6.299	55	2.165	71.5	2.815	1.05	2.31	ASFR100700012
SLFR 75 primed	165	6.496	165	6.496	55	2.165	76.5	3.012	1.20	2.63	ASFR100750012
SLFR 100 primed	195	7.677	195	7.677	55	2.165	101	3.976	1.58	3.48	ASFR101000012
SLFR 125 primed	213	8.386	213	8.386	55	2.165	126	4.961	1.82	4.00	ASFR101250012
SLFR 127 primed	213	8.386	213	8.386	55	2.165	128	5.039	1.67	3.68	ASFR101270012
SLFR 150 primed	236	9.291	236	9.291	55	2.165	151	5.945	2.10	4.63	ASFR101500012
SLFR 200 primed	290	11.417	290	11.417	55	2.165	201	7.913	2.78	6.13	ASFR102000012

Galvanized mild steel

Sleeve	External flange Ø		External dimensions				Internal Ø		Weight		Art. No
	(mm)	(in)	Ø (mm)	Ø (in)	L (mm)	L (in)	(mm)	(in)	(kg)	(lb)	
SLFR 70 galv	160	6.299	160	6.299	55	2.165	71.5	2.815	1.08	2.37	ASFR100700015
SLFR 75 galv	165	6.496	165	6.496	55	2.165	76.5	3.012	1.23	2.71	ASFR100750015
SLFR 100 galv	195	7.677	195	7.677	55	2.165	101	3.976	1.61	3.55	ASFR101000015
SLFR 125 galv	213	8.386	213	8.386	55	2.165	126	4.961	1.91	4.20	ASFR101250015
SLFR 127 galv	213	8.386	213	8.386	55	2.165	128	5.039	1.73	3.81	ASFR101270015
SLFR 150 galv	236	9.291	236	9.291	55	2.165	151	5.945	2.18	4.80	ASFR101500015
SLFR 200 galv	290	11.417	290	11.417	55	2.165	201	7.913	2.90	6.39	ASFR102000015

Aluminum

Sleeve	External flange Ø		External dimensions				Internal Ø		Weight		Art. No
	(mm)	(in)	Ø (mm)	Ø (in)	L (mm)	L (in)	(mm)	(in)	(kg)	(lb)	
SLFR 70 Alu	160	6.299	160	6.299	55	2.165	71.5	2.815	0.33	0.73	5ASFR00008713
SLFR 75 Alu	165	6.496	165	6.496	55	2.165	76.5	3.012	0.40	0.88	5ASFR00008712
SLFR 100 Alu	195	7.677	195	7.677	55	2.165	101	3.976	0.53	1.17	5ASFR00001917
SLFR 125 Alu	213	8.386	213	8.386	55	2.165	126	4.961	0.63	1.39	5ASFR00004286
SLFR 127 Alu	213	8.386	213	8.386	55	2.165	128	5.039	0.57	1.26	5ASFR00008714
SLFR 150 Alu	236	9.291	236	9.291	55	2.165	151	5.945	0.71	1.57	5ASFR00007671
SLFR 200 Alu	290	11.417	290	11.417	55	2.165	201	7.913	0.96	2.12	5ASFR00001918

Openable sleeves with flange, for R frame

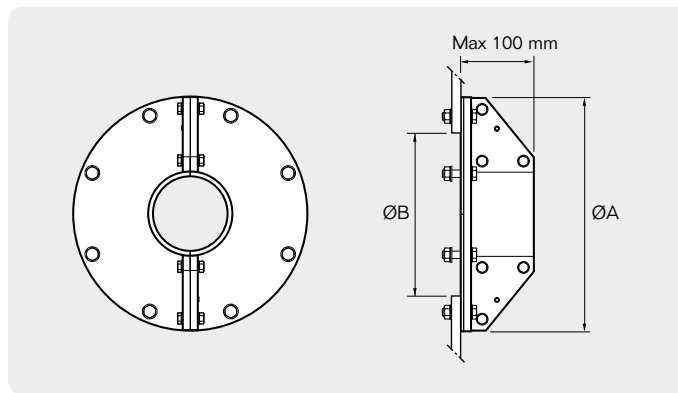


SLFO/RI acid-proof stainless steel

See practical user guidelines on page 264.

Acid-proof stainless steel

Sleeve	External flange diameter		Aperture diameter		Weight		Art. No
	ØA (mm)	ØA (in)	ØB (mm)	ØB (in)	(kg)	(lb)	
SLFO/RI 75 AISI 316	252	9.9	188	7.4	5.5	12.1	SLFORI0007521
SLFO/RI 100 AISI 316	317	12.5	253	9.9	9.5	20.9	SLFORI0010021
SLFO/RI 125 AISI 316	343	13.5	279	10.9	10.8	23.8	SLFORI0012521
SLFO/RI 150 AISI 316	367	14.5	303	11.9	11.6	25.6	SLFORI0015021
SLFO/RI 200 AISI 316	417	16.4	353	13.9	13.7	3	SLFORI0020021





Roxtec RS seal

The Roxtec RS is a round entry seal, consisting of two halves and an adaptable center with removable layers. Compression is integrated in the seal. Allows installation around an existing cable.

- Attachment by expansion in holes
- For one cable
- Sleeves are available

RS seal, with core, acid-proof stainless steel fittings



See sleeves on page 73.

See installation instructions on page 233.

See practical user guidelines on page 264.

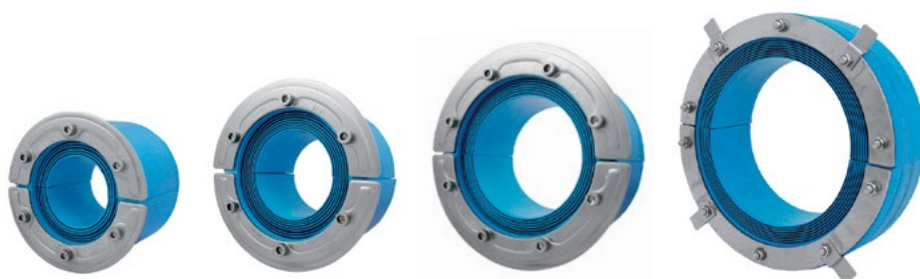
RATINGS Fire: A class, H class Water pressure: 4 bar Gas pressure: 2.5 bar

Seal	For cable Ø		For hole Ø		Weight		Art. No
	(mm)	(in)	(mm)	(in)	(kg)	(lb)	
RS 25 AISI 316	0+3.6-12	0+0.142-0.472	25-26	0.984 - 1.024	0.04	0.093	RS00100251023
RS 31 AISI 316	0+4-17	0+0.157-0.669	31-32	1.221 - 1.260	0.06	0.132	RS00100311023
RS 43 AISI 316	0+4-23	0+0.157-0.906	43-45	1.693 - 1.772	0.2	0.529	RS00100431023
RS 50 AISI 316	0+8-30	0+0.315-1.181	50-52	1.967 - 2.047	0.3	0.639	RS00100501023

RS seal, with core, acid-proof stainless steel fittings

Seal	For cable Ø		For hole Ø		Weight		Art. No
	(mm)	(in)	(mm)	(in)	(kg)	(lb)	
RS 68 AISI 316	0+26-48	0+1.024-1.890	68-70	2.677 - 2.756	0.5	1.102	RS00100681023
RS 75 AISI 316	0+24-54	0+0.945-2.126	75-77	2.953 - 3.031	0.7	1.543	RS00100751023
RS 100 AISI 316	0+48-70	0+1.890-2.756	100-102	3.937 - 4.016	1.0	2.205	RS00101001023
RS 125 AISI 316	0+66-98	0+2.598-3.858	125-127	4.921 - 5.000	1.6	3.417	RS00101251023

RS seal, without core, acid-proof stainless steel fittings



RS 100 AISI 316 woc

RS 125 AISI 316 woc

RS 150 AISI 316 woc

RS 225-250 AISI 316 woc

See sleeves on page 73.

See installation instructions on page 233.

See practical user guidelines on page 264.

RATINGS

Fire: A class, H class

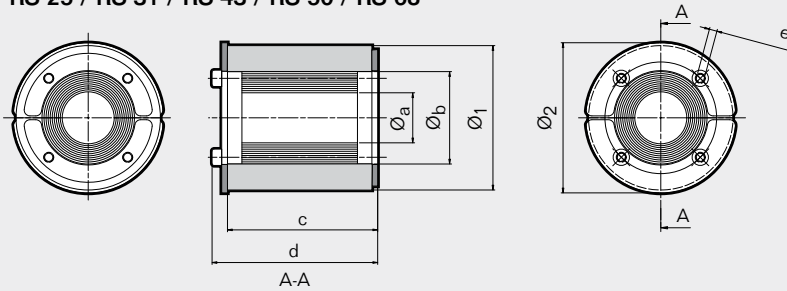
Water pressure: 4 bar

Gas pressure: 2.5 bar

Seal	For cable Ø		For hole Ø		Weight		Art. No
	(mm)	(in)	(mm)	(in)	(kg)	(lb)	
RS 100 AISI 316 woc	48-70	1.890-2.756	100-102	3.937-4.016	0.8	1.874	RS00001001023
RS 125 AISI 316 woc	66-98	2.598-3.858	125-127	4.921-5.000	1.2	2.756	RS00001251023
RS 150 AISI 316 woc	93-119	3.661-4.685	150-152	5.906-5.984	1.6	3.417	RS00001501023
RS 175 AISI 316 woc	119-145	4.685-5.709	175-177	6.890-6.969	2.2	4.189	RS00175750021
RS 200 AISI 316 woc	138-170	5.433-6.693	200-203	7.874-7.992	2.8	5.732	RS00200750021
RS 225 AISI 316 woc	151-181	5.945-7.126	225-228	8.858-8.976	3.1	6.834	RS00002250021
RS 250 AISI 316 woc	176-206	6.913-8.110	250-253	9.843-9.961	3.3	7.275	RS00002500021

RS seal, technical information

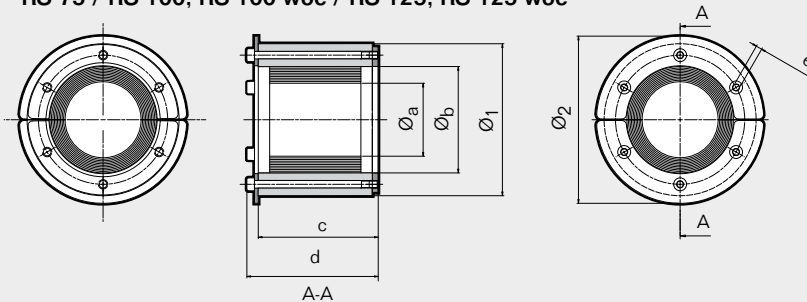
RS 25 / RS 31 / RS 43 / RS 50 / RS 68



	RS 25		RS 31		RS 43		RS 50		RS 68		RS 75	
Pos	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)
Øa	3.6	0.142	4	0.157	4	0.157	8	0.315	26	1.024	24	0.945
Øb	12	0.472	17	0.669	23	0.906	30	1.181	48	1.890	54	2.126
Ø1	25	0.984	31	1.220	43	1.693	50	1.969	68	2.677	75	2.953
Ø2	32	1.260	37	1.457	53	2.087	60	2.362	78	3.071	85	3.346
c	39	1.535	40	1.575	78	3.071	78	3.071	78	3.071	78	3.071
d	43	1.693	44	1.732	85	3.346	85	3.346	85	3.346	85	3.346
e	*	*	*	*	**	**	**	**	**	**	***	***

* SW2.5 mm (4x) / SW0.098" (4x) ** SW4 mm (4x) / SW0.157" (4x) *** SW4 mm (6x) / SW0.157" (6x)

RS 75 / RS 100, RS 100 woc / RS 125, RS 125 woc

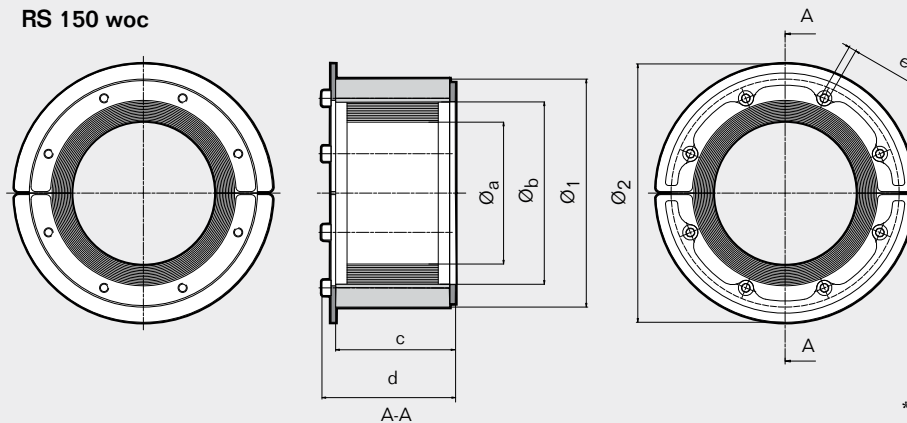


	RS 100 (woc)		RS 125 (woc)	
Pos	(mm)	(in)	(mm)	(in)
Øa	48	1.890	66	2.598
Øb	70	2.756	98	3.858
Ø1	100	3.937	125	4.921
Ø2	110	4.331	145	5.709
c	78	3.071	78	3.071
d	87	3.425	87	3.425
e	***	***	****	****

*** SW4 mm (6x) / SW0.157" (6x)

**** SW5 mm (6x) / SW0.197" (6x)

RS 150 woc



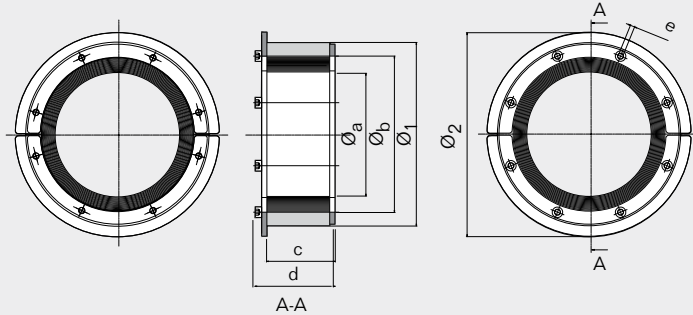
	RS 150 woc	
Pos	(mm)	(in)
Øa	93	3.661
Øb	119	4.685
Ø1	150	5.906
Ø2	170	6.693
c	79	3.110
d	88	3.465
e	*****	*****

***** SW5 mm (8x) / SW0.197" (8x)

Note: All dimensions are nominal values

RS seal, technical information

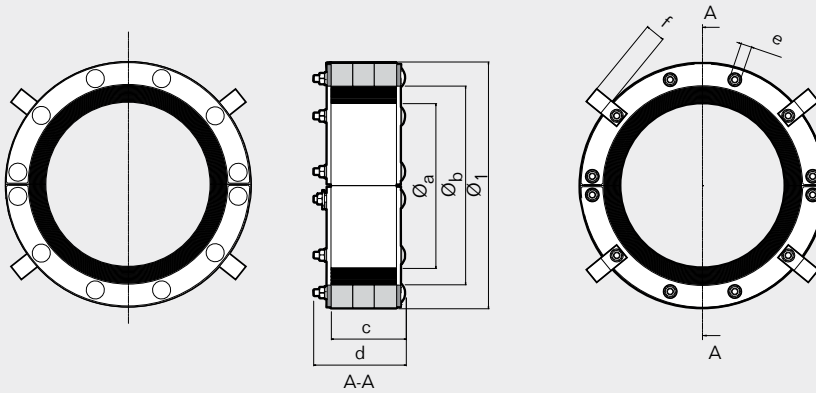
RS 175 woc / RS 200 woc



	RS 175 (woc)		RS 200 (woc)	
Pos	(mm)	(in)	(mm)	(in)
Ø _a	119	4.685	138	5.433
Ø _b	147	5.787	170	6.693
Ø ₁	175	6.890	200	7.874
Ø ₂	195	7.677	220	8.661
c	80	3.150	80	3.150
d	90	3.543	90	3.543
e	*	*	*	*

* SW 5 mm (8x) / SW 0.197" (8x)

RS 225 woc / RS 250 woc



	RS 225 (woc)		RS 250 (woc)	
Pos	(mm)	(in)	(mm)	(in)
Ø _a	151	5.945	176	6.913
Ø _b	181	7.126	206	8.110
Ø ₁	225	8.858	250	9.843
c	68	2.672	69	2.696
d	84	3.302	85	3.326
f	19	0.743	19	0.743
e	**	**	**	**

** SW 10 mm (10x) / SW 0.394" (10x)

Note: All dimensions are nominal values

Sleeves without flange, for RS seal



SLRS primed mild steel



SLRS acid-proof stainless steel



SLRS aluminum

See practical user guidelines on page 264.

Primed mild steel

Sleeve	External dimensions				Internal Ø		Weight		Art. No
	Ø (mm)	Ø (in)	L (mm)	L (in)	(mm)	(in)	(kg)	(lb)	
SLRS 25 primed	34	1.339	35	1.378	25.5	1.004	0.11	0.24	ASL1000250012
SLRS 31 primed	40	1.575	35	1.378	31.5	1.240	0.14	0.30	ASL1000310012
SLRS 43 primed	52	2.047	65	2.559	44	1.732	0.31	0.68	ASL1000430012
SLRS 50 primed	63	2.480	65	2.559	51	2.008	0.54	1.19	ASL1000500012
SLRS 68 primed	83	3.268	65	2.559	69.5	2.736	0.81	1.79	ASL1000680012
SLRS 75 primed	89	3.504	65	2.559	76.5	3.012	0.83	1.83	ASL1000750012
SLRS 100 primed	114	4.488	65	2.559	101	3.976	1.10	2.43	ASL1001000012
SLRS 125 primed	140	5.512	65	2.559	126	4.961	1.50	3.31	ASL1001250012
SLRS 150 primed	164	6.457	65	2.559	151	5.945	1.63	3.58	ASL1001500012
SLRS 175 primed	189	7.441	65	2.559	176	6.929	1.60	3.53	ASLR100017512
SLRS 200 primed	214	8.425	65	2.559	201	7.913	1.80	3.97	ASLR100020012
SLRS 225 primed	239	9.409	55	2.165	227	8.937	1.90	4.19	ASL1002250012
SLRS 250 primed	264	10.394	55	2.165	252	9.921	2.10	4.63	ASL1002500012

Sleeves without flange, for RS seal

Acid-proof stainless steel

Sleeve	External dimensions				Internal Ø		Weight		Art. No
	Ø (mm)	Ø (in)	L (mm)	L (in)	(mm)	(in)	(kg)	(lb)	
SLRS 25 AISI 316	34	1.339	35	1.378	25.5	1.004	0.11	0.24	ASL1000250021
SLRS 31 AISI 316	40	1.575	35	1.378	31.5	1.240	0.14	0.30	ASL1000310021
SLRS 43 AISI 316	52	2.047	65	2.559	44	1.732	0.31	0.67	ASL1000430021
SLRS 50 AISI 316	63	2.480	65	2.559	51	2.008	0.54	1.18	ASL1000500021
SLRS 68 AISI 316	83	3.268	65	2.559	69.5	2.736	0.83	1.83	ASL1000680021
SLRS 75 AISI 316	89	3.504	65	2.559	76.5	3.012	0.83	1.83	ASL1000750021
SLRS 100 AISI 316	114	4.488	65	2.559	101	3.976	1.13	2.49	ASL1001000021
SLRS 125 AISI 316	140	5.512	65	2.559	126	4.961	1.53	3.37	ASL1001250021
SLRS 150 AISI 316	164	6.457	65	2.559	151	5.945	1.63	3.59	ASL1001500021
SLRS 175 AISI 316	189	7.441	65	2.559	176	6.929	1.60	3.53	ASLR101750021
SLRS 200 AISI 316	214	8.425	65	2.559	201	7.913	1.85	4.07	ASLR100020021
SLRS 225 AISI 316	239	9.409	55	2.165	227	8.937	2.20	4.85	5ASL000007919
SLRS 250 AISI 316	264	10.394	55	2.165	252	9.921	2.10	4.63	5ASL000008504

Aluminum

Sleeve	External dimensions				Internal Ø		Weight		Art. No
	Ø (mm)	Ø (in)	L (mm)	L (in)	(mm)	(in)	(kg)	(lb)	
SLRS 25 Alu	34	1.339	35	1.378	25.5	1.004	0.05	0.11	5ASL000004450
SLRS 31 Alu	40	1.575	35	1.378	31.5	1.240	0.03	0.07	5ASL000003374
SLRS 43 Alu	52	2.047	65	2.559	44	1.732	0.10	0.22	5ASL000006302
SLRS 50 Alu	63	2.480	65	2.559	51	2.008	0.09	0.20	5ASL000000663
SLRS 68 Alu	83	3.268	65	2.559	69.5	2.736	0.12	0.26	5ASL000000516
SLRS 75 Alu	89	3.504	65	2.559	76.5	3.012	0.27	0.60	5ASL000000517
SLRS 100 Alu	114	4.488	65	2.559	101	3.976	0.38	0.84	5ASL000001259
SLRS 125 Alu	140	5.512	65	2.559	126	4.961	0.51	1.12	5ASL000000421
SLRS 150 Alu	164	6.457	65	2.559	151	5.945	0.53	1.17	5ASL000000191

Sleeves with flange, for RS seal



SLFRS primed mild steel



SLFRS galvanized mild steel



SLFRS aluminum

See practical user guidelines on page 264.

Primed mild steel

Sleeve	External flange Ø		External dimensions				Internal Ø		Weight		Art. No
	(mm)	(in)	Ø (mm)	Ø (in)	L (mm)	L (in)	(mm)	(in)	(kg)	(lb)	
SLFRS 25 primed	96	3.780	34	1.339	35	1.378	25.5	1.004	0.26	0.58	ASF1000250012
SLFRS 31 primed	102	4.016	40	1.575	35	1.378	31.5	1.240	0.30	0.65	ASF1000310012
SLFRS 43 primed	110	4.331	52	2.047	65	2.559	44	1.732	0.50	1.10	ASF1000430012
SLFRS 50 primed	140	5.512	63	2.480	65	2.559	51	2.008	0.93	2.05	ASF1000500012
SLFRS 68 primed	155	6.102	83	3.268	65	2.559	69.5	2.736	1.23	2.72	ASF1000680012
SLFRS 75 primed	165	6.496	89	3.504	65	2.559	76.5	3.012	1.33	2.93	ASF1000750012
SLFRS 100 primed	195	7.677	114	4.488	65	2.559	101	3.976	1.76	3.87	ASF1001000012
SLFRS 125 primed	213	8.386	140	5.512	65	2.559	126	4.961	2.07	4.56	ASF1001250012
SLFRS 150 primed	236	9.291	164	6.457	65	2.559	151	5.945	2.34	5.16	ASF1001500012
SLFRS 175 primed	255	10.039	189	7.441	65	2.559	176	6.929	2.30	5.07	ASFR101750012
SLFRS 200 primed	290	11.417	214	8.425	65	2.559	201	7.913	2.78	6.13	ASFR100020012
SLFRS 225 primed	320	12.598	239	9.409	55	2.165	227	8.937	3.35	7.39	5ASF000005709
SLFRS 250 primed	345	13.583	264	10.394	55	2.165	252	9.921	3.70	8.16	ASF1002500012

Sleeves with flange, for RS seal

Galvanized mild steel

Sleeve	External flange Ø		External dimensions				Internal Ø		Weight		Art. No
	(mm)	(in)	Ø (mm)	Ø (in)	L (mm)	L (in)	(mm)	(in)	(kg)	(lb)	
SLFRS 25 galv	96	3.780	34	1.339	35	1.378	25.5	1.004	0.26	0.58	ASF1000250015
SLFRS 31 galv	102	4.016	40	1.575	35	1.378	31.5	1.240	0.31	0.68	ASF1000310015
SLFRS 43 galv	110	4.331	52	2.047	65	2.559	44	1.732	0.50	1.10	ASF1000430015
SLFRS 50 galv	140	5.512	63	2.480	65	2.559	51	2.008	0.96	2.11	ASF1000500015
SLFRS 68 galv	155	6.102	83	3.268	65	2.559	69.5	2.736	1.26	2.78	ASF1000680015
SLFRS 75 galv	165	6.496	89	3.504	65	2.559	76.5	3.012	1.35	2.97	ASF1000750015
SLFRS 100 galv	195	7.677	114	4.488	65	2.559	101	3.976	1.79	3.95	ASF1001000015
SLFRS 125 galv	213	8.386	140	5.512	65	2.559	126	4.961	2.13	4.70	ASF1001250015
SLFRS 150 galv	236	9.291	164	6.457	65	2.559	151	5.945	2.41	5.31	ASF1001500015

Aluminum

Sleeve	External flange Ø		External dimensions				Internal Ø		Weight		Art. No
	(mm)	(in)	Ø (mm)	Ø (in)	L (mm)	L (in)	(mm)	(in)	(kg)	(lb)	
SLFRS 25 Alu	96	3.780	96	3.780	35	1.378	25.5	1.004	0.03	0.07	5ASF000008715
SLFRS 31 Alu	102	4.016	102	4.016	35	1.378	31.5	1.240	0.55	1.21	5ASF000002399
SLFRS 43 Alu	110	4.331	110	4.331	65	2.559	44	1.732	0.18	0.40	5ASF000002197
SLFRS 50 Alu	140	5.512	140	5.512	65	2.559	51	2.008	0.31	0.68	5ASF000002198
SLFRS 68 Alu	155	6.102	155	6.102	65	2.559	69.5	2.736	0.40	0.88	5ASF000007125
SLFRS 75 Alu	165	6.496	165	6.496	65	2.559	76.5	3.012	0.43	0.95	5ASF000008716
SLFRS 100 Alu	195	7.677	195	7.677	65	2.559	101	3.976	0.40	0.88	5ASF000004042
SLFRS 125 Alu	213	8.386	213	8.386	65	2.559	126	4.961	0.60	1.32	5ASF000003956
SLFRS 150 Alu	236	9.291	236	9.291	65	2.559	151	5.945	0.80	1.76	5ASF000008717

Openable sleeves with flange, for RS seal

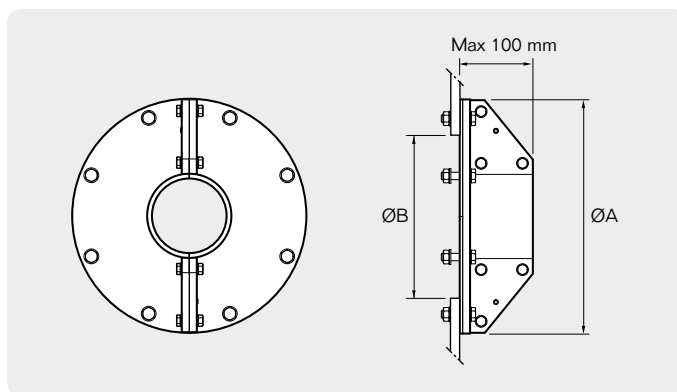


SLFO/RI acid-proof stainless steel

See practical user guidelines on page 264.

Acid-proof stainless steel

Sleeve	External flange diameter		Aperture diameter		Weight		Art. No
	ØA (mm)	ØA (in)	ØB (mm)	ØB (in)	(kg)	(lb)	
SLFO/RI 43 AISI 316	215	8.5	151	5.95	4.2	9.3	SLFORI0004321
SLFO/RI 50 AISI 316	226	8.9	162	6.4	4.7	10.4	SLFORI0005021
SLFO/RI 68 AISI 316	246	9.7	182	7.2	5.4	11.9	SLFORI0006821
SLFO/RI 75 AISI 316	252	9.9	188	7.4	5.5	12.1	SLFORI0007521
SLFO/RI 100 AISI 316	317	12.5	253	9.9	9.5	20.9	SLFORI0010021
SLFO/RI 125 AISI 316	343	13.5	279	10.9	10.8	23.8	SLFORI0012521
SLFO/RI 150 AISI 316	367	14.5	303	11.9	11.6	25.6	SLFORI0015021
SLFO/RI 175 AISI 316	392	15.4	328	12.9	12.6	27.8	SLFORI0017521
SLFO/RI 200 AISI 316	417	16.4	353	13.9	13.7	30.2	SLFORI0020021
SLFO/RI 225 AISI 316	450	17.7	386	15.2	16.8	37.1	SLFORI0022521
SLFO/RI 250 AISI 316	475	18.7	411	16.2	18.1	39.9	SLFORI0025021





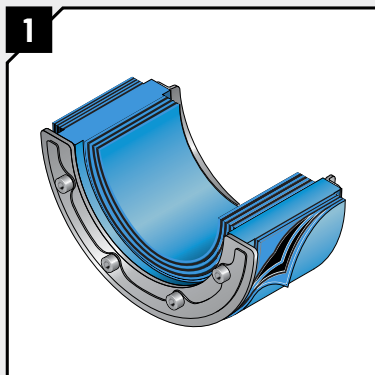
Roxtec RS OMD seal

The Roxtec RS OMD is a round entry seal, consisting of two adaptable halves with removable layers on both the inside and the outside. Compression is integrated in the seal. Allows easy installation around an existing cable.

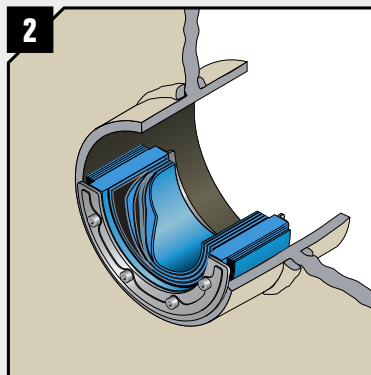
- Attachment by expansion in holes
- Adaptability on the outside to fit round openings of varying sizes
- For one cable

How it works

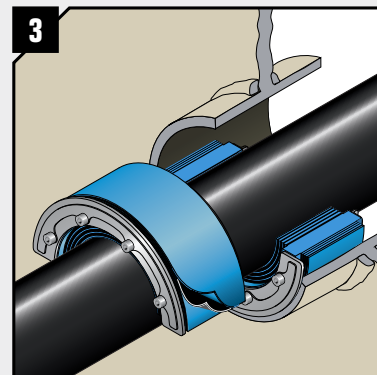
The example shows the features that make it quick and easy to install the RS OMD.



The Roxtec RS OMD has two halves equipped with removable layers on the outside. It can easily be adapted to fit openings of varying sizes and non-standard sleeve sizes.

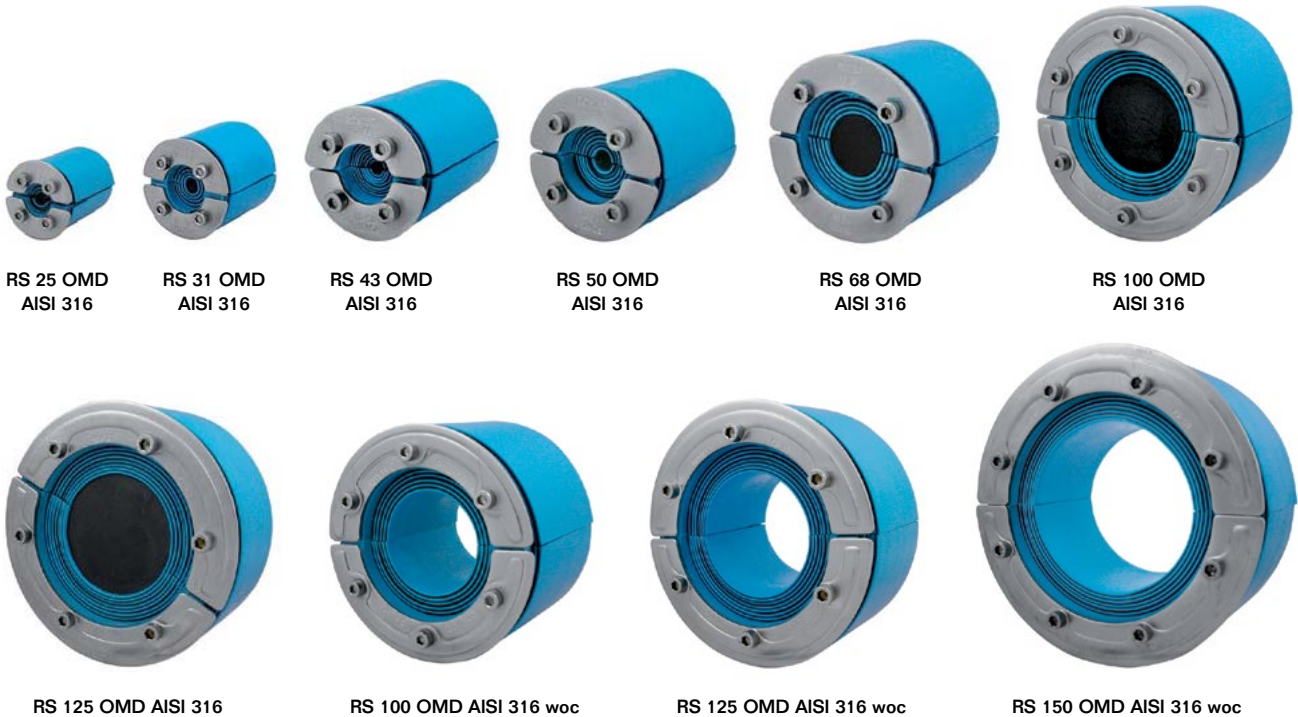


Each half of the seal is also equipped with removable layers inside in order to be adaptable to cables of different sizes.



Each half is adapted on the inside and on the outside and the flexible solution is sealed by expansion.

RS OMD seal, acid-proof stainless steel fittings



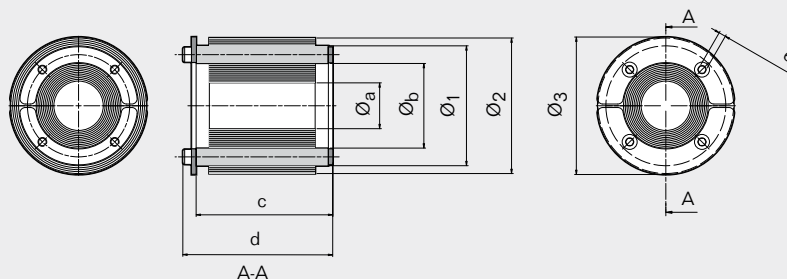
Installation instructions are available on www.roxtec.com

RATINGS Fire: A class Water pressure: 4 bar Gas pressure: 2.5 bar

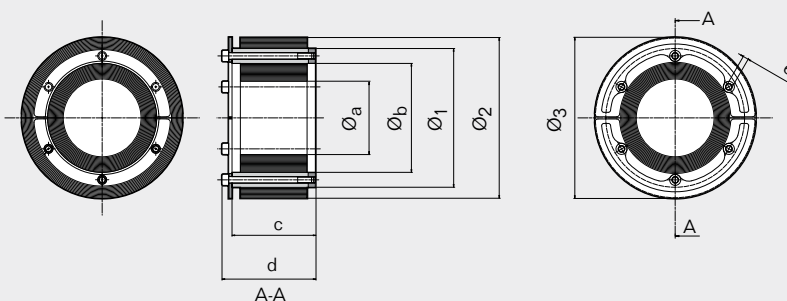
Seal	For cable Ø		For hole Ø		Weight		Art. No
	(mm)	(in)	(mm)	(in)	(kg)	(lb)	
WITH CORE							
RS 25 OMD AISI 316	0+3,6-12	0+0.142-0.472	25-30	0.984-1.181	0.05	0.121	RSO0100251021
RS 31 OMD AISI 316	0+4-17	0+0.157-0.669	31.5-35.5	1.240-1.398	0.06	0.132	RSO0100311021
RS 43 OMD AISI 316	0+4-23	0+0.157-0.906	43.5-51.0	1.713-2.008	0.2	0.441	RSO0100431021
RS 50 OMD AISI 316	0+8-30	0+0.315-1.181	50.5-58.0	1.988-2.283	0.3	0.661	RSO0100501021
RS 68 OMD AISI 316	0+26-48	0+1.024-1.890	69.0-76.5	2.717-3.012	0.5	1.102	RSO0100681021
RS 100 OMD AISI 316	0+48-70	0+1.890-2.756	101.0-108.0	3.976-4.252	1.0	2.205	RSO0101001021
RS 125 OMD AISI 316	0+66-98	0+2.598-3.858	126.0-143.0	4.961-5.630	1.9	4.058	RSO0101251021
WITHOUT CORE							
RS 100 OMD AISI 316 woc	48-70	1.890-2.756	101.0-108.0	3.976-4.252	0.9	1.984	RSO0001001021
RS 125 OMD AISI 316 woc	66-98	2.598-3.858	126.0-143.0	4.961-5.630	1.2	2.756	RSO0001251021
RS 150 OMD AISI 316 woc	93-119	3.661-4.685	151.0-168.0	5.945-6.614	1.6	3.417	RSO0001501021

RS OMD seal, technical information

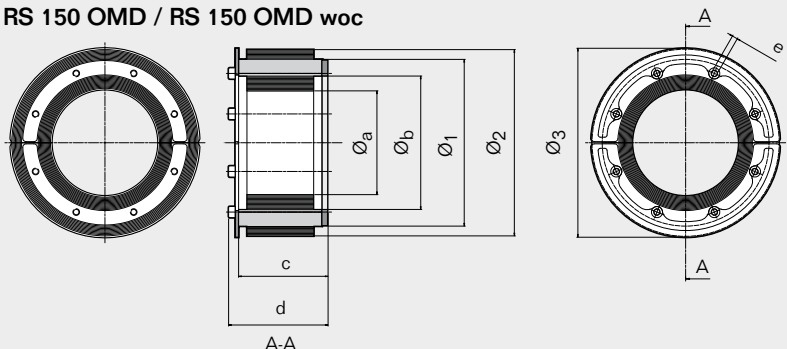
RS 25 OMD / RS 31 OMD / RS 43 OMD / RS 50 OMD / RS 68 OMD



RS 100 OMD / RS 100 OMD woc / RS 125 OMD / RS 125 OMD woc



RS 150 OMD / RS 150 OMD woc



	RS OMD 25		RS OMD 31		RS OMD 43		RS OMD 50		RS OMD 68		RS OMD 100		RS OMD 125		RS OMD 150	
Pos	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)
Ø _a	3.6	0.142	4	0.157	4	0.157	8	0.315	26	1.024	48	1.890	66	2.598	93	3.661
Ø _b	12	0.472	17	0.669	23	0.906	30	1.181	48	1.890	70	2.756	98	3.858	119	4.685
Ø ₁	25	0.984	31	1.220	43	1.693	50	1.969	68	2.677	100	3.937	125	4.921	150	5.906
Ø ₂	30	1.181	36	1.417	51	2.008	58	2.283	76	2.992	108	4.252	143	5.630	168	6.614
Ø ₃	32	1.260	37	1.457	53	2.087	60	2.362	78	3.071	110	4.331	145	5.709	170	6.693
c	38.5	1.516	40	1.575	78	3.071	78	3.071	78	3.071	78	3.071	78	3.071	79	3.110
d	43	1.693	44	1.732	85	3.346	85	3.346	85	3.346	87	3.425	87	3.425	88	3.465
e	*	*	*	*	**	**	**	**	**	**	***	***	****	****	*****	*****

* SW2.5 mm (4x) / SW0.098" (4x)

**** SW5 mm (6x) / SW0.197 (6x)

** SW4 mm (4x) / SW0.157 (4x)

***** SW5 mm (8x) / SW0.197 (8x)

*** SW4 mm (6x) / SW0.157 (6x)

Note: All dimensions are nominal values



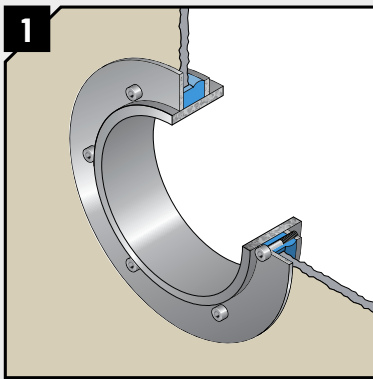
Roxtec R X, RS X seals

The Roxtec R X and RS X solutions are designed for use where welding is not desired. The kit consists of one R or RS seal and one sleeve.

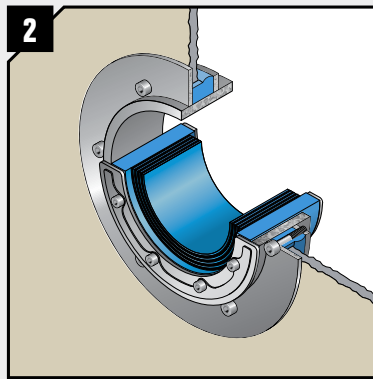
- R X for use with RM modules
- Attachment by expansion
- For one or several cables

How it works

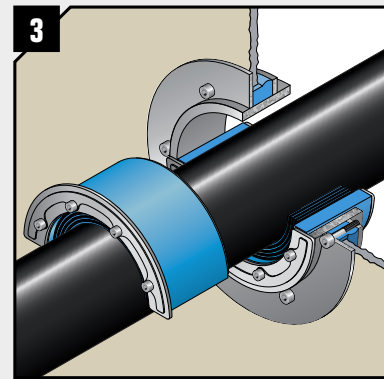
The example shows the features that allow the RS X to be installed in a deck or bulkhead without welding.



The Roxtec RS X is attached through expansion. Its rubber compresses and expands towards the inside of the opening to create tightness between the structure and the SLX sleeve (included in the kit).



The standard operation of the seal also compresses the rubber against the outside of the cable.



Each half of the seal is equipped with removable layers in order to be adaptable to any existing cable.

R X kits, galvanized with galvanized sleeve



R X 100 galv/galv

See information and measurements for R frame on page 65.
See parts needed for a complete solution on page 26.
Installation instructions are available on www.roxtec.com

RATINGS		Fire: A class		Water pressure: 4 bar		Gas pressure: 2.5 bar		
Kit	Packing space (mm)	Aperture dim. ± 1 mm (0.0394")		External dimensions sleeve		Weight sleeve		Art. No
		$\varnothing$ (mm)	$\varnothing$ (in)	$\varnothing \times D$ (mm)	$\varnothing \times D$ (in)	(kg)	(lb)	
R X 100 galv/galv	60 x 60	146	5.748	155 x 55	6.102 x 2.165	2.2	4.850	RXG0001001018
R X 125 galv/galv	80 x 80	171	6.732	180 x 55	7.087 x 2.165	2.8	6.173	RXG0001251018
R X 150 galv/galv	90 x 90	200	7.874	209 x 55	8.228 x 2.165	3.5	7.716	RXG0001501018
R X 200 galv/galv	120 x 120	251	9.882	260 x 55	10.236 x 2.165	4.6	10.141	RXG0002001018

R X kits acid-proof stainless steel with galvanized sleeve



R X 100 AISI 316/galv

See information and measurements for R frame on page 65.
See parts needed for a complete solution on page 26.
Installation instructions are available on www.roxtec.com

RATINGS		Fire: A class		Water pressure: 4 bar		Gas pressure: 2.5 bar		
Kit	Packing space (mm)	Aperture dim. ± 1 mm (0.0394")		External dimensions sleeve		Weight sleeve		Art. No
		$\varnothing$ (mm)	$\varnothing$ (in)	$\varnothing \times D$ (mm)	$\varnothing \times D$ (in)	(kg)	(lb)	
R X 75 AISI 316/galv	40 x 40	116	4.567	125 x 55	4.921 x 2.165	1.6	3.527	RXG0000751021
R X 100 AISI 316/galv	60 x 60	146	5.748	155 x 55	6.102 x 2.165	2.2	4.850	RXG0001001021
R X 125 AISI 316/galv	80 x 80	171	6.732	180 x 55	7.087 x 2.165	2.8	6.173	RXG0001251021
R X 150 AISI 316/galv	90 x 90	200	7.874	209 x 55	8.228 x 2.165	3.5	7.716	RXG0001501021
R X 200 AISI 316/galv	120 x 120	251	9.882	260 x 55	10.236 x 2.165	4.6	10.141	RXG0002001021

RS X kits, acid-proof stainless steel with galvanized sleeve



RS X 100 AISI 316/galv



RS X 100 AISI 316 woc/galv

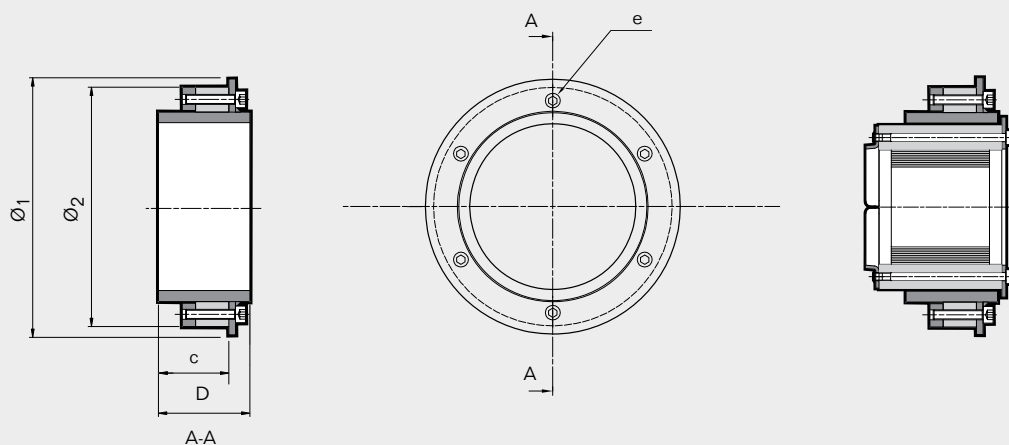
See information and measurements for RS seal on page 71.

Installation instructions are available on www.roxtec.com

RATINGS Fire: A class Water pressure: 4 bar Gas pressure: 2.5 bar

Kit	For cable Ø		Aperture dim. ± 1 mm (0.0394")		External dimensions sleeve		Weight		Art. No
	(mm)	(in)	Ø (mm)	Ø (in)	ØxD (mm)	ØxD (in)	(kg)	(lb)	
WITH CORE									
RS X 43 AISI 316/galv	0+4-23	0+0.157-0.906	83	3.268	92 x 65	3.622 x 2.559	0.8	1.764	RSXG100431021
RS X 50 AISI 316/galv	0+8-30	0+0.315-1.181	91	3.583	100 x 65	3.937 x 2.559	1.2	2.646	RSXG100501021
RS X 75 AISI 316/galv	0+24-54	0+0.945-2.126	116	4.567	125 x 65	4.921 x 2.559	1.6	3.527	RSXG100751021
RS X 100 AISI 316/galv	0+48-70	0+1.890-2.756	146	5.748	155 x 65	6.102 x 2.559	2.2	4.850	RSXG101001021
RS X 125 AISI 316/galv	0+66-98	0+2.598-3.858	171	6.732	180 x 65	7.087 x 2.559	2.8	6.173	RSXG101251021
WITHOUT CORE									
RS X 100 AISI 316 woc/galv	48-70	1.890-2.756	146	5.748	155 x 65	6.102 x 2.559	2.2	4.850	RSXG001001021
RS X 125 AISI 316 woc/galv	66-98	2.598-3.858	171	6.732	180 x 65	7.087 x 2.559	2.8	6.173	RSXG001251021
RS X 150 AISI 316 woc/galv	93-119	3.661-4.685	200	7.874	209 x 65	8.228 x 2.559	3.5	7.716	RSXG001501021
RS X 175 AISI 316 woc/galv	119-145	4.685-5.709	221	8.701	230 x 65	9.055 x 2.559	5.03	11.089	RSXG001751021
RS X 200 AISI 316 woc/galv	138-170	5.433-6.693	251	9.882	260 x 65	10.236 x 2.559	6.55	14.440	RSXG002001021

R X, RS X kits, technical information



	R X 75		R X 100		R X 125		R X 150		R X 200	
Pos	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)
Ø ₁	125	4.921	155	6.102	180	7.087	209	8.228	260	10.236
Ø ₂	115	4.528	145	5.709	170	6.693	199	7.835	250	9.843
c	43	1.693	43	1.693	43	1.693	43	1.693	43	1.693
D	55	2.165	55	2.165	55	2.165	55	2.165	55	2.165
e	*	*	**	**	**	**	**	**	***	***

* SW 5 mm (4x) / SW 0.197" (4x) ** SW 5 mm (6x) / SW 0.197" (6x) *** SW 5 mm (8x) / SW 0.197" (8x)

	RS X 43		RS X 50		RS X 75		RS X 100 (woc)		RS X 125 (woc)	
Pos	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)
Ø ₁	92	3.622	100	3.937	125	4.921	155	6.102	180	7.087
Ø ₂	82	3.228	90	3.543	115	4.527	145	5.709	170	6.693
c	53	2.087	53	2.087	53	2.087	53	2.087	53	2.087
D	65	2.559	65	2.559	65	2.559	65	2.559	65	2.559
e	****	****	****	****	*****	*****	*****	*****	*****	*****

**** SW 4 mm (4x) / SW 0.157" (4x) ***** SW 5 mm (6x) / SW 0.197" (6x)

	RS X 150 (woc)		RS X 175 (woc)		RS X 200 (woc)	
Pos	(mm)	(in)	(mm)	(in)	(mm)	(in)
Ø ₁	209	8.228	230	9.055	260	10.236
Ø ₂	199	7.835	220	8.661	250	9.843
c	53	2.087	53	2.087	53	2.087
D	65	2.559	65	2.559	65	2.559
e	*****	*****	*****	*****	*****	*****

***** SW 5 mm (6x) / SW 0.197" (6x)

Note: All dimensions are nominal values

Enclosure solutions

Use Roxtec multi-cable entry seals for control cabinets, junction boxes and other electrical and instrumentation enclosures.



The seals secure and protect equipment within stainless steel, metal, plastic and composite enclosures. Roxtec solutions often pay for themselves by allowing for high cable density which enables designers to reduce the size and weight of the cabinets. The seals are always ready for last minute changes – and you can easily add new cables or change cables in your cabinets. The seals are available in EMC versions.



Roxtec ComSeal™ LW

The Roxtec ComSeal LW is a light-weight and area efficient cable sealing solution for cabinets. The frames are made out of cast aluminum and the solutions are approved for IP 44 and UL/ NEMA 3R. They are equipped with adaptable sealing modules and supplied as ready-made kits.

- Available in three different sizes
- For use with Roxtec EM modules
- Attached on inside or outside of cabinet
- Version available for the FL 21 cut-out
- Only for use in enclosures

ComSeal™ LW kits, integrated compression unit, aluminum



ComSeal LW 6



ComSeal LW 12



ComSeal LW 12 FL 21



ComSeal LW 16

See practical user guidelines on page 264.

Installation instructions are available on www.roxtec.com

RATINGS IP: 44 UL/NEMA: 3R

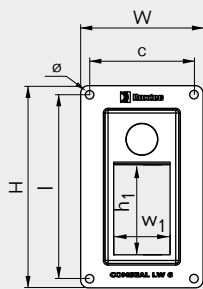
Kit	Diameter range and number of cables			Weight		Art. No
	0+3.5-10.5 mm 0+0.138-0.413 in (EM 15w40)	0+3.5-16.5 mm 0+0.138-0.650 in (EM 20w40)	0+9.5-32.5 mm 0+0.374-1.280 in (EM 40 10-32)	(kg)	(lb)	
ComSeal LW 6/3		2 cables	1 cable	0.322	0.710	107788
ComSeal LW 6/6		6 cables		0.322	0.710	107789
ComSeal LW 6/12	12 cables			0.322	0.710	107790
ComSeal LW 12/3			3 cables	0.445	0.981	107791
ComSeal LW 12/6		4 cables	2 cables	0.445	0.981	107792
ComSeal LW 12/9		8 cables	1 cable	0.445	0.981	107793
ComSeal LW 12/12		12 cables		0.445	0.981	108020
ComSeal LW 12/3 FL 21			3 cables	0.488	1.076	107799
ComSeal LW 12/6 FL 21		4 cables	2 cables	0.488	1.076	107800
ComSeal LW 12/9 FL 21		8 cables	1 cable	0.488	1.076	107802

ComSeal™ LW kits, integrated compression unit, aluminum

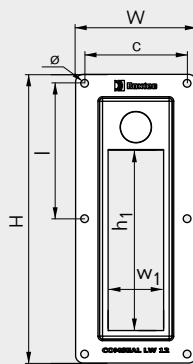
Kit	Diameter range and number of cables			Weight		Art. No
				(kg)	(lb)	
	0+3.5-10.5 mm 0+0.138-0.413 in (EM 15w40)	0+3.5-16.5 mm 0+0.138-0.650 in (EM 20w40)	0+9.5-32.5 mm 0+0.374-1.280 in (EM 40 10-32)			
ComSeal LW 12/12 FL 21		12 cables		0.488	1.076	108018
ComSeal LW 16/4			4 cables	0.536	1.180	107794
ComSeal LW 16/7		4 cables	3 cables	0.536	1.180	107795
ComSeal LW 16/10		8 cables	2 cables	0.536	1.180	107796
ComSeal LW 16/16		16 cables		0.536	1.180	107797

ComSeal™ LW frame, technical information

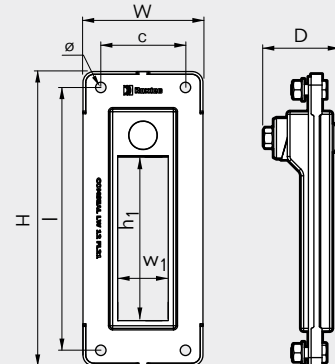
ComSeal LW 6



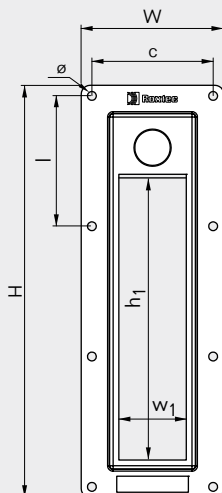
ComSeal LW 12



ComSeal LW 12 FL 21



ComSeal LW 16



	ComSeal LW 6		ComSeal LW 12		ComSeal LW 12 FL 21		ComSeal LW 16	
Pos	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)
c	68.5	2.697	68.5	2.697	62	2.441	68.5	2.697
D	55	2.165	55	2.165	55	2.165	55	2.165
H	133	5.236	193	7.598	216	8.504	233	9.173
h1	60	2.362	120	4.724	120	4.724	160	6.299
l	121	4.764	90.5	3.583	193	7.598	73.5	2.913
w1	40	1.575	40	1.575	40	1.575	40	1.575
W	80.5	3.169	80.5	3.169	88	3.465	80.5	3.169
Ø	5.5	0.217	5.5	0.217	8.5	0.335	5.5	0.217

For ComSeal LW 12 FL 21: If the wall is thinner than 2 mm, a Roxtec ComSeal 12 counter flange 2CV0001020219 is recommended (not supplied in the kit).

Note: All dimensions are nominal values



Roxtec ComSeal™

The Roxtec ComSeal is a light-weight and area efficient cable sealing solution for cabinets. The frames are made out of cast aluminum or cast acid-proof stainless steel, AISI 316, and the solutions are approved for IP 55 and UL/NEMA 3, 12, 12K. They are equipped with adaptable sealing modules and supplied as ready-made kits.

- Available in six different sizes
- For use with Group CM components
- Attached on inside or outside of cabinet
- Only for use in enclosures

ComSeal™ kits, integrated compression unit, aluminum



See installation instructions on page 241.

See practical user guidelines on page 264.

RATINGS IP: 55 UL/NEMA: 3, 12, 12K

Kit	Diameter range and number of cables			Weight		Art. No
	0+3.5-16.5 mm 0+0.138-0.650 in (CM 20W40)	0+9.5-32.5 mm 0+0.374-1.280 in (CM 40 10-32)	0+28-43 mm 0+1.102-1.693 in (CM 50)	(kg)	(lb)	
ComSeal 10/4	2 cables	2 cables		0.515	1.13	105299
ComSeal 10/7	6 cables	1 cable		0.515	1.13	105301
ComSeal 10/10	10 cables			0.515	1.13	105302
ComSeal 12/3		3 cables		0.61	1.34	105303
ComSeal 12/6	4 cables	2 cables		0.61	1.34	105305
ComSeal 12/9	8 cables	1 cable		0.61	1.34	105306
ComSeal 12/12	12 cables			0.61	1.34	105307
ComSeal 15/3			3 cables	0.91	2.0	105308
ComSeal 16/4		4 cables		0.666	1.47	105310

ComSeal™ kits, integrated compression unit, aluminum

Kit	Diameter range and number of cables			Weight		Art. No
				(kg)	(lb)	
	0+3.5-16.5 mm 0+0.138-0.650 in (CM 20W40)	0+9.5-32.5 mm 0+0.374-1.280 in (CM 40 10-32)	0+28-43 mm 0+1.102-1.693 in (CM 50)			
ComSeal 16/7	4 cables	3 cables		0.666	1.47	105312
ComSeal 16/10	8 cables	2 cables		0.666	1.47	105313
ComSeal 16/16	16 cables			0.666	1.47	105314
ComSeal 30/6			6 cables	1.40	3.09	105315
ComSeal 32/8		8 cables		1.259	2.78	105316
ComSeal 32/14	8 cables	6 cables		1.259	2.78	105320
ComSeal 32/20	16 cables	4 cables		1.259	2.78	105321
ComSeal 32/32	32 cables			1.259	2.78	105322

ComSeal™ kits, integrated compression unit, acid-proof stainless steel



ComSeal 10 AISI 316

ComSeal 16 AISI 316

ComSeal 32 AISI 316

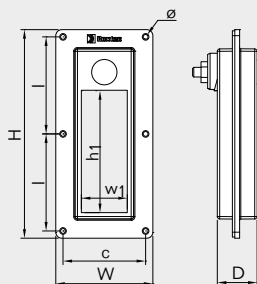
See installation instructions on page 241.
See practical user guidelines on page 264.

RATINGS IP: 55 UL/NEMA: 3, 12, 12K

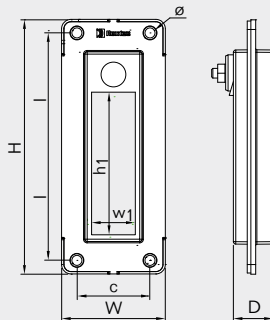
Kit	Diameter range and number of cables		Weight		Art. No
			(kg)	(lb)	
	0+3.5-16.5 mm 0+0.138-0.650 in (CM 20W40)	0+9.5-32.5 mm 0+0.374-1.280 in (CM 40 10-32)			
ComSeal 10/4 AISI 316	2 cables	2 cables	1.096	2.42	105676
ComSeal 10/7 AISI 316	6 cables	1 cable	1.096	2.42	105677
ComSeal 10/10 AISI 316	10 cables		1.096	2.42	105678
ComSeal 16/4 AISI 316		4 cables	1.407	3.11	105679
ComSeal 16/7 AISI 316	4 cables	3 cables	1.407	3.11	105680
ComSeal 16/10 AISI 316	8 cables	2 cables	1.407	3.11	105681
ComSeal 16/16 AISI 316	16 cables		1.407	3.11	105682
ComSeal 32/8 AISI 316		8 cables	2.395	5.28	105683
ComSeal 32/14 AISI 316	8 cables	6 cables	2.395	5.28	105684
ComSeal 32/20 AISI 316	16 cables	4 cables	2.395	5.28	105685
ComSeal 32/32 AISI 316		32 cables	2.395	5.28	105686

ComSeal™ frame, technical information

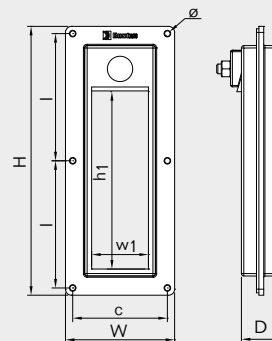
ComSeal 10



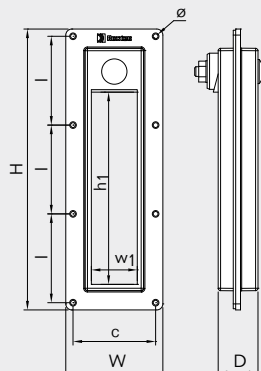
ComSeal 12



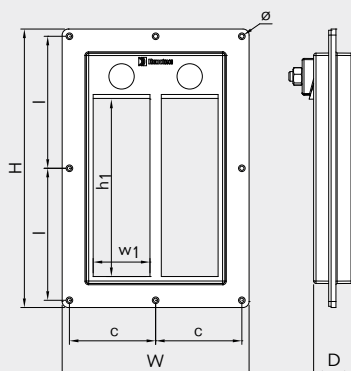
ComSeal 15



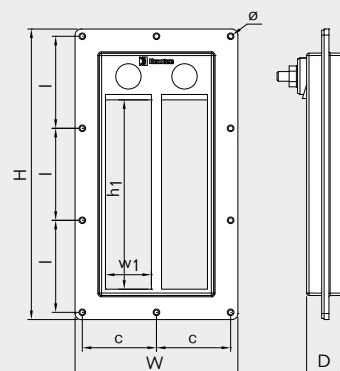
ComSeal 16



ComSeal 30



ComSeal 32



	ComSeal 10		ComSeal 12		ComSeal 15		ComSeal 16		ComSeal 30		ComSeal 32	
Pos	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)
c	68.5	2.697	62	2.441	78.5	3.091	68.5	2.697	71.5	2.815	61.5	2.421
D	33	1.299	33	1.299	33	1.299	33	1.299	33	1.299	33	1.299
H	173	6.811	216	8.504	223	8.780	233	9.173	231	9.094	241	9.488
h ₁	100	3.937	120	4.724	150	5.906	160	6.299	150	5.906	160	6.299
l	80.5	3.169	193	7.598	105.5	4.154	73.7	2.902	109.5	4.311	76.33	3.005
w ₁	40	1.575	40	1.575	50	1.969	40	1.575	50	1.969	40	1.575
W	80.5	3.169	88	3.465	90.5	3.563	80.5	3.169	155	6.102	135	5.315
Ø	5.5	0.217	8.5	0.335	5.5	0.217	5.5	0.217	5.5	0.217	5.5	0.217

Roxtec ComSeal 12 fits the FL 21 knock-out.

Note: All dimensions are nominal values



Roxtec CF 8/ CF 32 frames

The Roxtec CF 8 and CF 32 entry seals are made from cast aluminum. Compression unit is integrated in the frame.

- For use with Group CM components
- Attachment by bolting
- Available in kits
- Only for use in enclosures

CF 8/CF 32 frames, integrated compression unit, aluminum



CF 8



CF 32

See parts needed for a complete solution on page 26.
See installation instructions on page 243.
See practical user guidelines on page 264.

RATINGS IP: 66/67 UL/NEMA: 4, 4X, 12, 13

Frame	Frame openings	Packing space (mm)	External dimensions		Weight		Art. No
			HxW (mm)	HxW (in)	(kg)	(lb)	
CF 8	1	40 x 80	140 x 75	5.512 x 2.952	0.6	1.323	CSF0000080035
CF 32	2	40 x 160	230 x 130	9.055 x 5.118	1.4	3.086	CSF0000320035

CF 8/CF 32 kits, integrated compression unit, aluminum



CF 8/5



CF 8/8



CF 8/9



CF 32/20



CF 32/32



CF 32/41

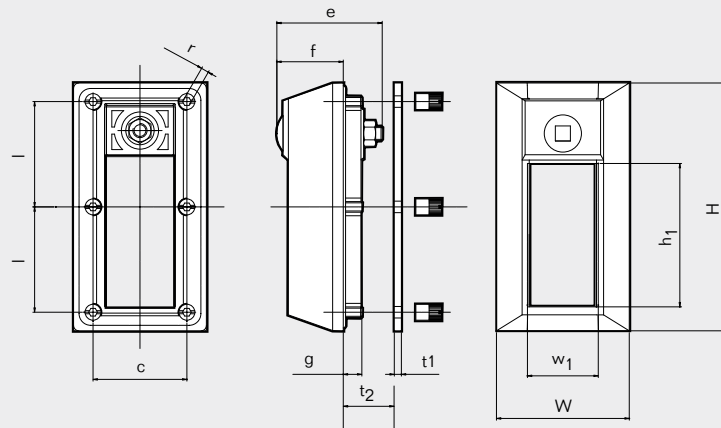
See installation instructions on page 243. See practical user guidelines on page 264.

RATINGS IP: 66/67 UL/NEMA: 4, 4X, 12, 13

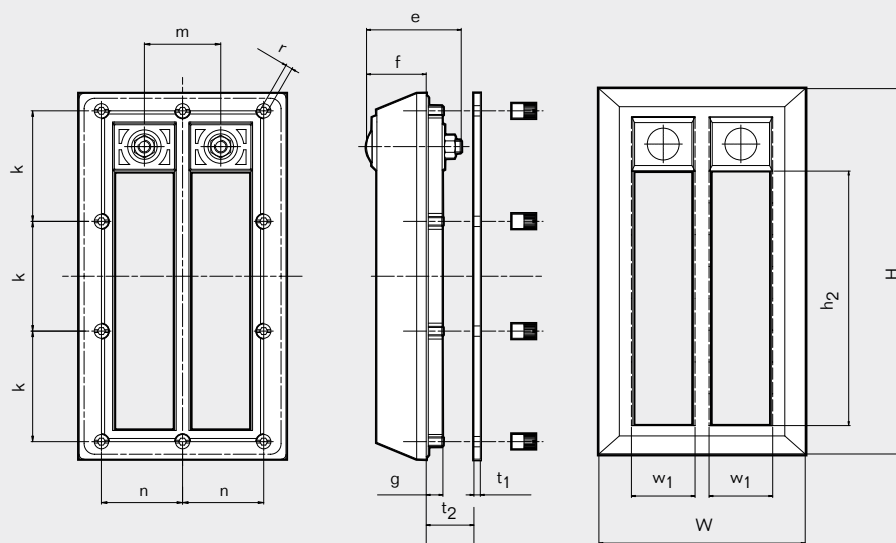
Kit	Diameter range and number of cables				External dimensions		Weight		Art. No
	HxW (mm)	HxW (in)	(kg)	(lb)					
	0+3.5-10.5 0+0.138-0.413 (CM 15W40)	0+3.5-16.5 0+0.138-0.650 (CM 20w40)	0+10.0-25.0 0+0.394-0.984 (CM 30w40)	0+9.5-32.5 0+0.374-1.280 (CM 40 10-32)					
CF 8/5		4 cables		1 cable	140 x 75	5.512 x 2.952	0.7	1.543	CKT8000000005
CF 8/8		8 cables			140 x 75	5.512 x 2.952	0.7	1.543	CKT8000000008
CF 8/9	6 cables	2 cables	1 cable		140 x 75	5.512 x 2.952	0.7	1.543	CKT0000000009
CF 32/20		16 cables		4 cables	230 x 130	9.055 x 5.118	2.0	4.409	CKT3200000020
CF 32/32		32 cables			230 x 130	9.055 x 5.118	2.0	4.409	CKT3200000032
CF 32/41	24 cables	16 cables		1 cable	230 x 130	9.055 x 5.118	2.0	4.409	CKT3200000041

CF 8/CF 32 frames, technical information

CF 8



CF 32



Pos	(mm)	(in)
c	53	2.087
e	59	2.323
f	38	1.496
g	12	0.472
l	60	2.362

Pos	(mm)	(in)
k	70	2.756
m	48	1.890
n	51	2.008
r	SW 4	SW 0.157
t ₁	4	0.157

Pos	(mm)	(in)
t ₂	Wall thickness Max 4	Max 0.157
h ₁	80	3.150
h ₂	160	6.299
w ₁	40	1.575

Note: All dimensions are nominal values



Roxtec KFO frame

The Roxtec KFO is a light-weight composite frame in size 6x1. The frame is openable for easy installation around existing cables.

- For use with Group RM components
- Attachment by bolting
- Available with or without flange
- Only for use in enclosures

KFO frame, PA 6.6, 30% GF - flange, PP



KFO 6x1

KFO 6x1 with flange

See parts needed for a complete solution on page 26.
See practical user guidelines on page 264.
Installation instructions are available on www.roxtec.com

RATINGS

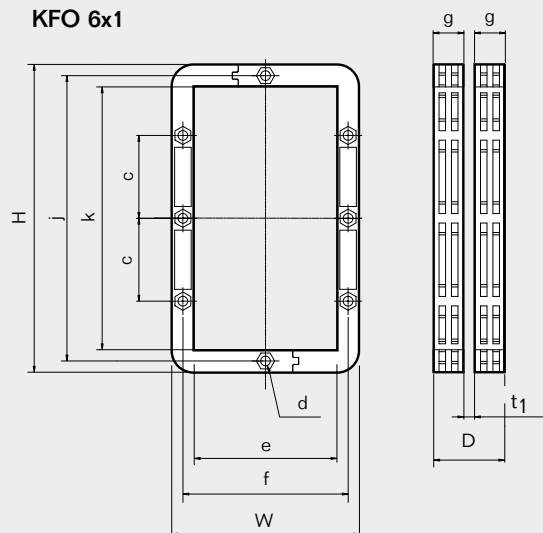
IP: 66/67

Frame	For No. openings	Packing space (mm)	External dimensions		Weight		Art. No
			HxW (mm)	HxW (in)	(kg)	(lb)	
KFO 6x1	1	180 x 120	260 x 159	10.236 x 6.260	1.0	2.094	KFO0000060059
KFO 6x1 with flange	1	180 x 120	420 x 319	16.535 x 12.559	1.6	3.417	KFO1000060059

Available with stainless steel fasteners upon request to meet requirements in aggressive corrosive environments.

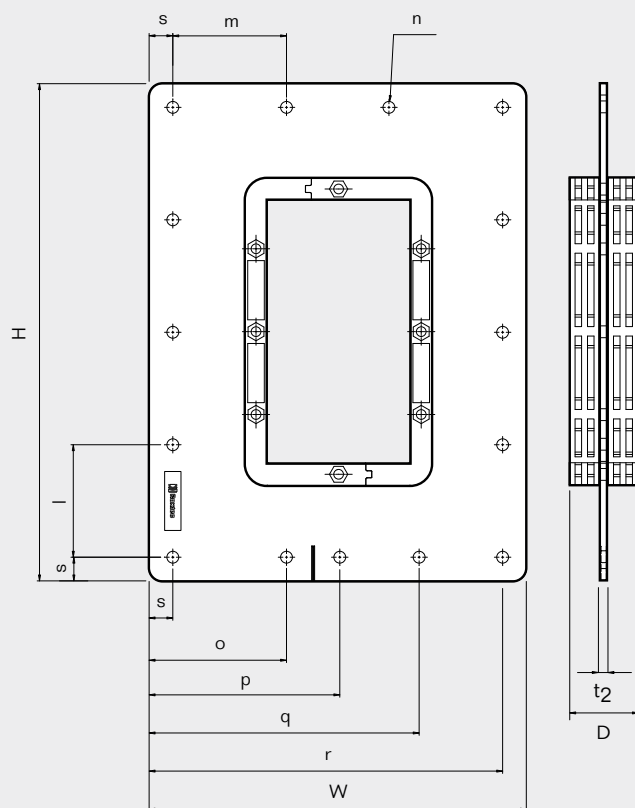
KFO frame, technical information

KFO 6x1



Pos	(mm)	(in)
c	70	2.756
d	Ø 8.2 (8x)	Ø 0.323 (8x)
e	120	4.724
f	140	5.512
g	26	1.024
j	241	9.488
k	222	8.740
t ₁	Wall thickness 5-8	0.197-0.315
D	57-60	2.244-2.362

KFO 6x1 with flange



Pos	(mm)	(in)
l	95 (4x)	3.740 (4x)
m	96 (3x)	3.780 (3x)
n	Ø 10 (23x)	Ø 0.394 (23x)
o	116	4.567
p	160	6.299
q	220	8.661
r	299	11.772
s	20	0.787
t ₂	8	0.315
D	60	2.362

Note: All dimensions are nominal values



Roxtec C KFO frame

The Roxtec C KFO is a light-weight composite frame in size 6x1. The frame is openable for easy installation around existing cables.

- For use with Group CM components
- Attachment by bolting
- Available with or without flange
- Only for use in enclosures

C KFO frame, PA 6.6, 30% GF - flange, PP



C KFO 6x1



C KFO 6x1 with flange



C KFO Counter frame

See parts needed for a complete solution on page 26.

See practical user guidelines on page 264.

Installation instructions are available on www.roxtec.com

RATINGS

IP: 55

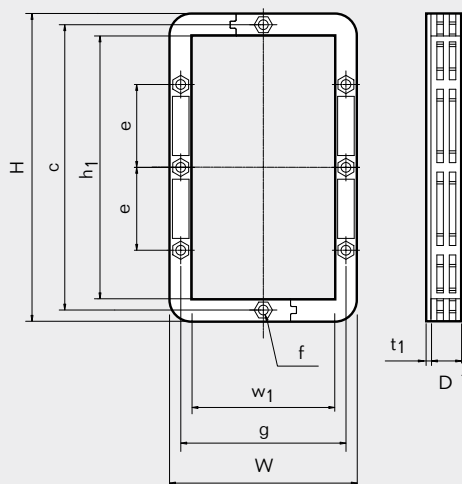
Frame	For No. openings	Packing space (mm)	External dimensions		Weight		Art. No
			HxW (mm)	HxW (in)	(kg)	(lb)	
C KFO 6x1	1	180 x 120	260 x 159	10.236 x 6.260	0.6	1.323	CKF0000060059
C KFO 6x1 with flange	1	180 x 120	420 x 319	16.535 x 12.559	1.2	2.646	CKF1000060059
C KFO Counter frame*	1	180 x 120	262 x 161	10.315 x 6.338	0.4	0.882	KFC0000100011

*The C KFO Counter frame is recommended if the wall is 1.5 mm (0.059") or thinner.

Available with stainless steel fasteners upon request.

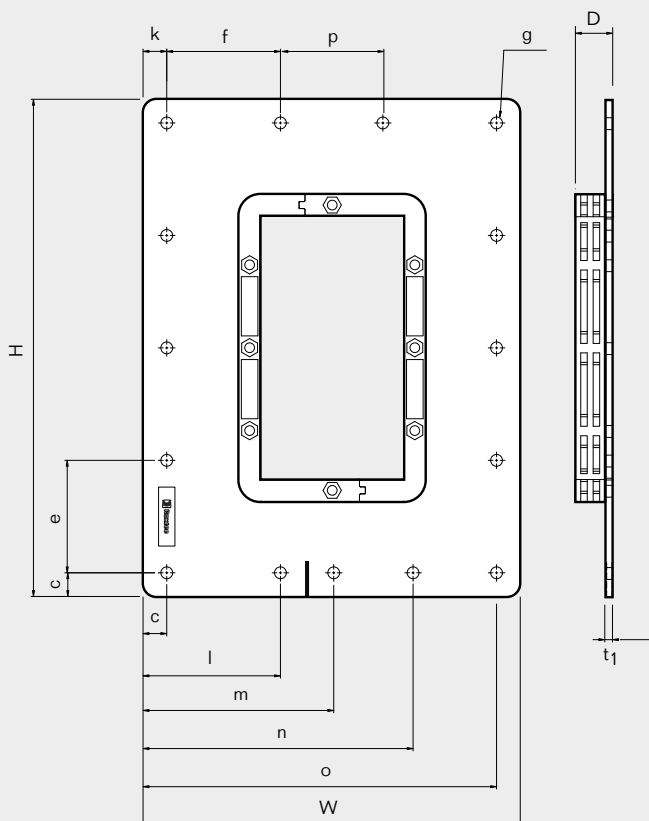
C KFO frame, technical information

C KFO 6x1



Pos	(mm)	(in)
c	241	9.488
e	70	2.756
f	Ø 8.2 (8x)	Ø 0.323 (8x)
g	140	5.512
h ₁	222	8.740
w ₁	120	4.724
t ₁	gasket 2	0.079
D	26	1.024

C KFO 6x1 with flange



Pos	(mm)	(in)
c	20	0.787
e	95 (4x)	3.740 (4x)
f	96 (2x)	3.780 (2x)
g	Ø 10 (23x)	Ø 0.394 (23x)
l	116	4.567
m	161	6.339
n	228	8.976
o	299	11.772
t ₁	8	0.315
p	87	3.425
D	34	1.339

Note: All dimensions are nominal values



Rextec G frame

The Rextec G frame is a flanged metal frame available with a single opening or in combinations with several openings in width and/or height.

- For use with Group RM components
- Attachment by bolting or welding
- Only for use in enclosures

G frames, primed mild steel



G 6x1 primed

See parts needed for a complete solution on page 26.

See installation instructions on page 222.

See practical user guidelines on page 264.

Remove primer from the inside of the frame to ensure good conductivity in EMC applications.

For information about other frame combinations, or for openable versions of this frame or for versions with wider flanges, please contact your local Rextec supplier or e-mail: info@roxtec.com

RATINGS IP: 66/67 UL/NEMA: 4, 4X, 12, 13

Frame	Frame openings	Packing space (mm)	External dimensions (D=60 mm)		Weight		Art. No
			HxW (mm)	HxW (in)	(kg)	(lb)	
G 2x1 primed	1	60 x 120	233 x 253	9.173 x 9.961	3.4	7.562	G002000000112
G 2x2 primed	2	60 x 120	233 x 383	9.173 x 15.079	5.4	11.905	G002000000212
G 2x3 primed	3	60 x 120	233 x 514	9.173 x 20.236	7.4	16.248	G002000000312
G 2x4 primed	4	60 x 120	233 x 644	9.173 x 25.354	9.3	20.591	G002000000412
G 4x1 primed	1	120 x 120	292 x 253	11.496 x 9.961	4.1	9.039	G004000000112
G 4x2 primed	2	120 x 120	292 x 383	11.496 x 15.079	6.3	13.977	G004000000212
G 4x3 primed	3	120 x 120	292 x 514	11.496 x 20.236	8.6	18.938	G004000000312
G 4x4 primed	4	120 x 120	292 x 644	11.496 x 25.354	10.8	23.898	G004000000412

G frames, primed mild steel

Frame	Frame openings	Packing space (mm)	External dimensions (D=60 mm)		Weight		Art. No
			HxW (mm)	HxW (in)	(kg)	(lb)	
G 4x5 primed	5	120 x 120	292 x 775	11.496 x 30.512	13.1	28.858	G004000000512
G 4x6 primed	6	120 x 120	292 x 905	11.496 x 35.630	15.3	33.797	G004000000612
G 4+4x1 primed	2	120 x 120	461 x 253	18.150 x 9.961	6.6	14.572	G004400000112
G 4+4x2 primed	4	120 x 120	463 x 383	18.228 x 15.079	10.5	23.082	G004400000212
G 4+4x3 primed	6	120 x 120	463 x 514	18.228 x 20.236	14.2	31.305	G004400000312
G 4+4x4 primed	8	120 x 120	463 x 644	18.228 x 25.354	17.9	39.551	G004400000412
G 4+4x5 primed	10	120 x 120	463 x 775	18.228 x 30.512	21.7	47.796	G004400000512
G 4+4x6 primed	12	120 x 120	463 x 905	18.228 x 35.630	25.4	56.019	G004400000612
G 4+4x7 primed	14	120 x 120	463 x 1036	18.228 x 40.787	29.2	64.264	G004400000712
G 4+4x8 primed	16	120 x 120	463 x 1166	18.228 x 45.906	32.9	72.509	G004400000812
G 4+4x9 primed	18	120 x 120	463 x 1297	18.228 x 51.063	36.6	80.732	G004400000912
G 4+4x10 primed	20	120 x 120	463 x 1427	18.228 x 56.181	40.4	88.979	G004400001012
G 4+4+4x1 primed	3	120 x 120	631 x 253	24.843 x 9.961	9.1	20.106	G004440000112
G 6x1 primed	1	180 x 120	350 x 253	13.780 x 13.961	4.8	10.516	G006000000112
G 6x2 primed	2	180 x 120	350 x 383	13.780 x 15.079	7.3	16.072	G006000000212
G 6x3 primed	3	180 x 120	350 x 514	13.780 x 20.236	9.8	21.627	G006000000312
G 6x4 primed	4	180 x 120	350 x 644	13.780 x 25.354	12.3	27.205	G006000000412
G 6x5 primed	5	180 x 120	350 x 775	13.780 x 30.512	14.9	32.760	G006000000512
G 6x6 primed	6	180 x 120	350 x 905	13.780 x 35.630	17.4	38.316	G006000000612
G 6+6x1 primed	2	180 x 120	578 x 253	22.756 x 9.961	8.0	17.527	G006600000112
G 6+6x2 primed	4	180 x 120	580 x 383	22.835 x 15.079	12.4	27.249	G006600000212
G 6+6x3 primed	6	180 x 120	580 x 514	22.835 x 20.236	16.6	36.707	G006600000312
G 6+6x4 primed	8	180 x 120	580 x 644	22.835 x 25.354	20.9	46.142	G006600000412
G 6+6x5 primed	10	180 x 120	580 x 775	22.835 x 30.512	25.2	55.601	G006600000512
G 6+6x6 primed	12	180 x 120	580 x 905	22.835 x 35.630	29.5	65.059	G006600000612
G 6+6x7 primed	14	180 x 120	580 x 1036	22.835 x 40.787	33.8	74.515	G006600000712
G 6+6x8 primed	16	180 x 120	580 x 1166	22.835 x 45.906	38.1	83.973	G006600000812
G 6+6x9 primed	18	180 x 120	580 x 1297	22.835 x 51.063	42.4	93.409	G006600000912
G 6+6x10 primed	20	180 x 120	580 x 1427	22.835 x 56.181	46.7	102.867	G006600001012
G 6+6+6x1 primed	3	180 x 120	806 x 253	31.732 x 9.961	11.1	24.538	G006660000112
G 8x1 primed	1	240 x 120	410 x 253	16.142 x 9.941	5.5	12.037	G008000000112
G 8x2 primed	2	240 x 120	410 x 383	16.142 x 15.079	8.3	18.210	G008000000212
G 8x3 primed	3	240 x 120	410 x 514	16.142 x 20.236	11.1	24.405	G008000000312
G 8x4 primed	4	240 x 120	410 x 644	16.142 x 25.354	13.9	30.578	G008000000412

G frame, acid-proof stainless steel



G 6x1 AISI 316

See parts needed for a complete solution on page 26.

See installation instructions on page 222.

See practical user guidelines on page 264.

For information about other frame combinations, or for openable versions of this frame or for versions with wider flanges, please contact your local Roxtec supplier or e-mail: info@roxtec.com

RATINGS IP: 66/67 UL/NEMA: 4, 4X, 12, 13

Frame	Frame openings	Packing space (mm)	External dimensions (D=60 mm)		Weight		Art. No
			HxW (mm)	HxW (in)	(kg)	(lb)	
G 2x1 AISI 316	1	60 x 120	233 x 253	9.173 x 9.961	3.4	7.562	G002000000121
G 4x1 AISI 316	1	120 x 120	292 x 253	11.496 x 9.961	4.1	9.039	G004000000121
G 4x2 AISI 316	2	120 x 120	292 x 383	11.496 x 15.079	6.3	13.977	G004000000221
G 4x3 AISI 316	3	120 x 120	292 x 514	11.496 x 20.236	8.6	18.938	G004000000321
G 4x4 AISI 316	4	120 x 120	292 x 644	11.496 x 25.354	10.8	23.898	G004000000421
G 6x1 AISI 316	1	180 x 120	350 x 253	13.780 x 9.961	4.8	10.516	G006000000121
G 6x2 AISI 316	2	180 x 120	350 x 383	13.780 x 15.079	7.3	16.072	G006000000221
G 6x3 AISI 316	3	180 x 120	350 x 514	13.780 x 20.236	9.8	21.627	G006000000321
G 6x4 AISI 316	4	180 x 120	350 x 644	13.780 x 25.354	12.4	27.205	G006000000421
G 8x1 AISI 316	1	240 x 120	410 x 253	16.142 x 9.941	5.5	12.037	G008000000121
G 8x2 AISI 316	2	240 x 120	410 x 383	16.142 x 15.079	8.3	18.210	G008000000221
G 8x3 AISI 316	3	240 x 120	410 x 514	16.142 x 20.236	11.1	24.405	G008000000321
G 8x4 AISI 316	4	240 x 120	410 x 644	16.142 x 25.354	13.9	30.578	G008000000421