



XEXAGON

More powerful than you think...

Cable Entry System



- 1 XKDL CABLE ENTRY FRAMES
- 2 XKDP STRAIGHT IN CABLE ENTRY SYSTEM
- 3 XKEL CABLE ENTRY FRAMES
- 4 XKML SEAL MODULE
- 5 RS ROUND THROUGH SEAL MODULE
- 6 RM THROUGH-WALL PANEL BARRIER SEALING SYSTEM
- 7 EMC CLAMS

CABLE ENTRY SYSTEMS

Product development background

With the in-depth development of industrial automation, the refinement of social division of labor, the types of industrial products are increasing, and the upgrading of products is getting faster and faster. The modular design of products in modern industrial equipment is getting more and more attention.

Through standardization, generalization and modularization, the industry shortens the product market cycle, reduces product costs, and improves product quality.

Function description

For electrical cabinets, cables usually need to pass through the cabinet and connect to the components in the cabinet. Traditionally,

The method is to open holes in the cabinet body, and fix and lock the cables through the cable joints. According to the number of cables and the external.

Choose the number and size of the cabinet openings according to the diameter. Once the cabinet openings are opened, the number of openings should be increased in the future.

For space requirements, the cabinet needs to be made very large. In the above case we can obviously see this increase

The labor costs and production costs are as follows:

1. As the number and outer diameter of the cable changes, the designer needs to change the drawing accordingly, which will increase invisibly

Increase the workload of the designer.

2. The cost of opening the cabinet and the labor cost of installing the locking cable joint.

3. Increased cost of the cabinet. If we can use the wall board system, we can standardize the opening size through modular design, and adjust the number and size of the wall board sealing module to adapt to changes in the number and outer diameter of the cable, while effectively reducing Cabinet volume, as shown in the figure



Before   After



XKDL CABLE ENTRY SYSTEMS

At a glance

No need to keep cutting the plug off your cable!
It is so easy to introduce preassembled plugs into the control cabinet.

Benefits

1. Cable insertion without interruption
2. Simple mounting
3. Strain relief
4. Protection class IP 54
5. High packing density
6. Cable & plug manufacturer's system guarantee remains valid



Selection table

Module

Grommet, small
for cables 3-16 mm in diameter
Page 1.4

B

Framework	Type	Part No.	Small Grommet	Framework	Type	Part No.	Small Grommet
 4 x B	XKDL 16/4	97171012	4	 10 x B	XKDL 2/10	97171017	10
 5 x B	XKDL 24/5	97171016	5	 15 x B	XKDL 3/15	97171018	15

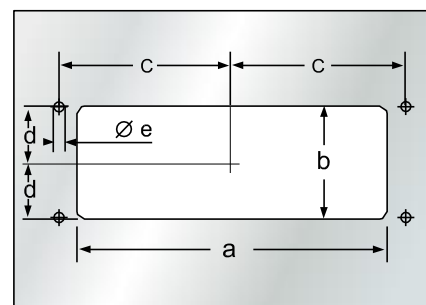
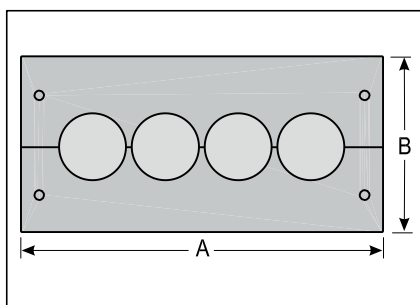
XKDL CABLE ENTRY SYSTEMS

 -40 to +80°C

 PA

 V0

 IP54




Type	Part No.	Color	No. of opening Small/Large	A mm	B mm	Installation Height	a mm	b mm	c mm	d mm	e mm
For standard cut-outs, size 16											
XKDL 16/4	X97171012	Black	4 / -	116.0	58.0	10.0	86.0	36.0	51.5	16.0	5.5
For standard cut-outs, size 24											
XKDL 24/5	X97171016	Black	5 / -	146.0	58.0	10.0	112.0	36.0	65.0	16.0	5.5
Standard cut-out for 10-30 cables											
XKDL 2/10	X97171017	Black	10 / -	146.0	90.0	10.0	112.0	55.0	65.0	32.0	5.5
XKDL 3/15	X97171018	Black	15 / -	146.0	122.0	10.0	112.0	96.0	65.0	48.0	5.5

Matching grommets: XKDT/Z See page: 1.4

XKDL CABLE ENTRY SYSTEMS

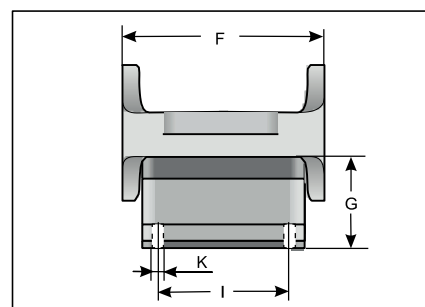
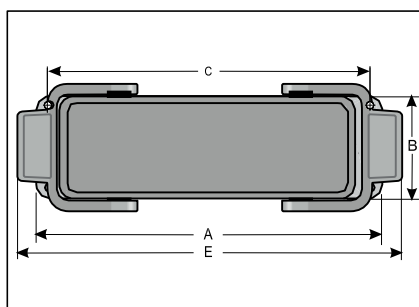
Mounting enclosure type XKD/XAG

 -40 to +80°C

 PA

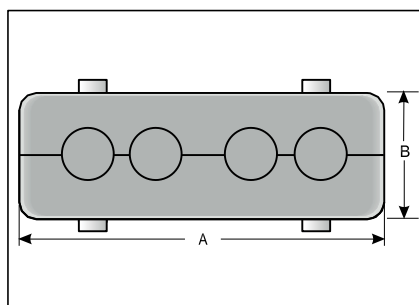
 V0

 IP54



Type	Part No.	Color	Suitable for	A mm	B mm	C mm	E mm	F mm	G mm	I mm	K mm
XH24B-AG	X2300240301	Grey	XKD/XSG -24/4	140	44	103	155	55	27	32	4.5


Mounting enclosure type XKD/XSG



Type	Part No.	Color	No. of opening Small/Large	Suitable for	A mm	B mm
XKD/XSG -24/4	X97171034	Grey	4 / -	XKD/XAG -24H	120	43

Matching grommets : XKDT/Z See page : 1.4



Cable Entry Grommets XKDT/Z

 -40 to +80°C

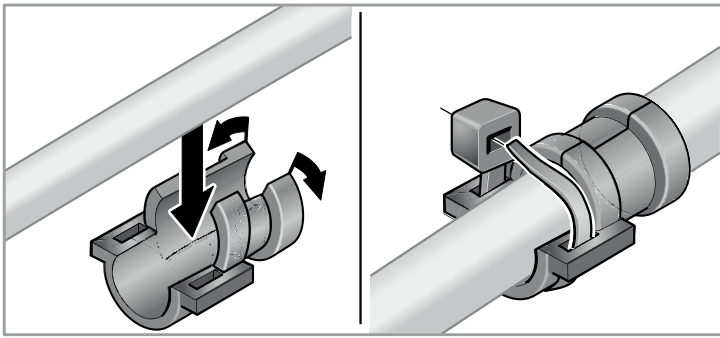
 PA

 V0

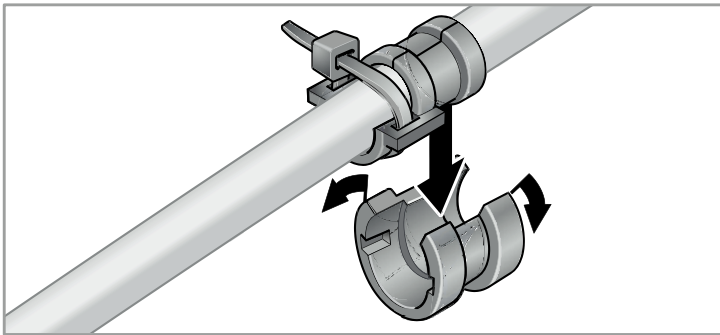
 IP54


Type	Part No.	Color	For Ø (mm)	small / large
Small Grommet 				
XKDT/Z 03	X97171212	Black	3-4	● / -
XKDT/Z 04	X97171214	Black	4-5	● / -
XKDT/Z 05	X97171216	Black	5-6	● / -
XKDT/Z 06	X97171218	Black	6-7	● / -
XKDT/Z 07	X97171220	Black	7-8	● / -
XKDT/Z 08	X97171222	Black	8-9	● / -
XKDT/Z 09	X97171224	Black	9-10	● / -
XKDT/Z 10	X97171226	Black	10-11	● / -
XKDT/Z 11	X97171228	Black	11-12	● / -
XKDT/Z 12	X97171230	Black	12-13	● / -
XKDT/Z 13	X97171232	Black	13-14	● / -
XKDT/Z 14	X97171234	Black	14-15	● / -
XKDT/Z 15	X97171236	Black	15-16	● / -
Dummy Grommet				
XBTK- 	X97171210	Black		● / -

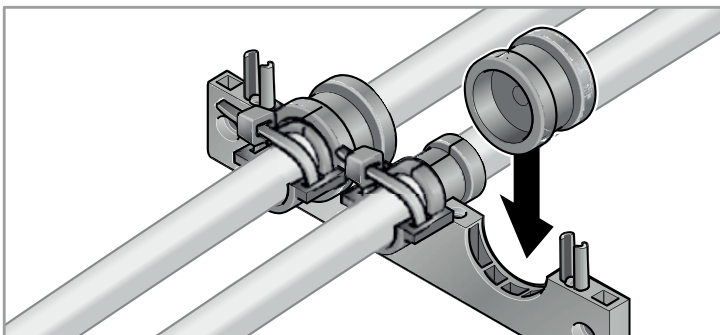
KDL ASSEMBLY



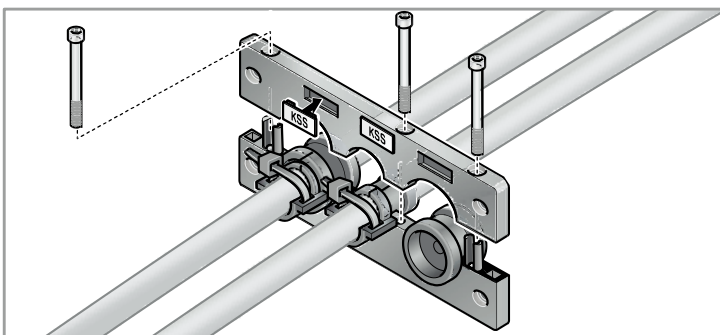
Lay cable into appropriate grommet and provide strain relief where necessary using cable ties.



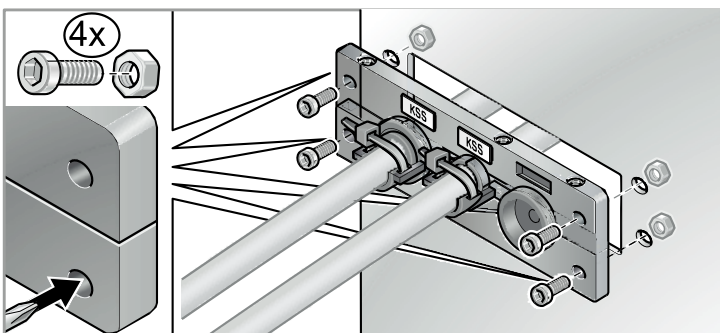
Where required, install small sleeves into the adapter grommet.



Insert rail completely. Fill in empty spaces with dummy grommets.



Join upper and lower part of bar. Fasten rail with the side screws.



Position rail on the cut-out and fasten.



Straight in!

**22 cables
installed
in approx.
2 minutes**



At a Glance

Take advantage of these huge potential savings. The plastic XKDP/N 24 is simply clicked into the cut-outs for 24-pole connectors and the cable is then pushed through – and the cable insertion is already done!

The cable entry plate is an entry and fastening system for electric conduits and pneumatic hoses such as those used in control cabinet, plant or machine construction. Wherever quick assembly, cable-protecting and high packing density are required, the cable insertion system is used.



Benefits

1. Enormous time savings during assembly
2. Extremely low space requirement
3. Built-in sealing structure
4. Assembly without tools
5. High packing density
6. Assembly without tools
7. No kinks in cables and tubes
8. Cable & plug manufacturer's system guarantee remains valid

10 times faster and with a simultaneous space saving of up to 50 % compared with conventional cable fittings.

XKDP Cable Entry Plate



Time savings & Cost reductions

When installing cable, push the cable through the opening appropriate, pull cable through to desired length, the cable entry plate is an entry and fastening system for cables and / or pneumatic hoses



High packing density

Compact design, high packing density, wide variety of frames and inserts.



Assembly without tools

Snap-in at plate thicknesses of 1.5-2.0mm or screwing in place.



High protection class

The plastic cable entry plates with improved clip-in function, it enables tool-less, rational connection technology for the wiring of machines and equipment with the high ip class 65.



Tightness and tensile resistance

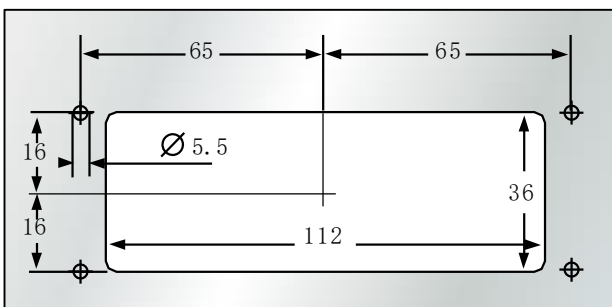
After the passage of cables, perforation of automatically generated tightness and tension, because the rubber cast of perforation with lock function, so even if reused, sealing and tensile properties of perforated unchanged.



A closed perforation

Closed perforation with special sealing mechanism, so set aside hole within a hole, its seal is still good. Perforation can be reused, cable pull out sealing plug will be sealed again after the piercing.

Technical data



Cutout : 112×36mm

Tensile performance meets DIN/EN 50262/98,

Protection grade : IP65

Dimensions : L=147mm×B=59mm×H=15 mm

Material : Improved nylon (non-halogen)

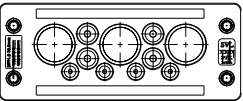
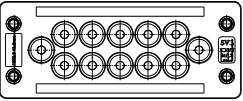
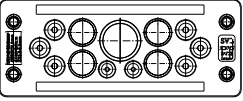
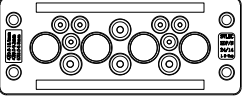
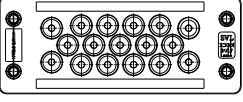
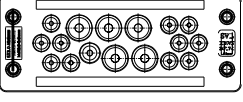
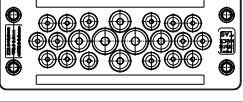
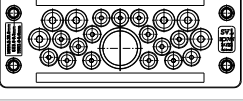
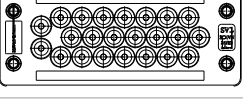
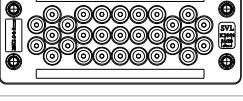
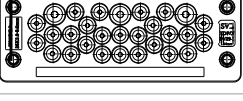

Temperature range : -30°C to +70°C

Flame retardant performance (UL94) : V0

Color : black

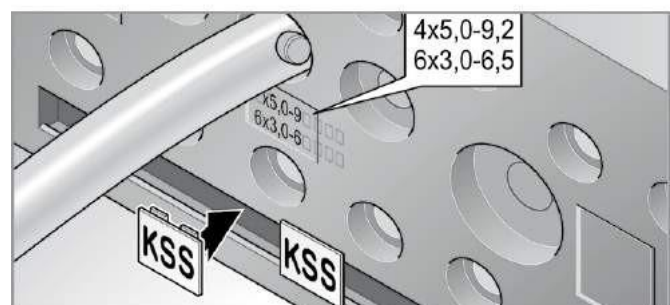
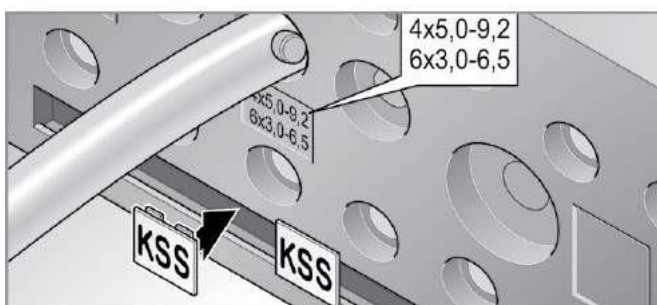
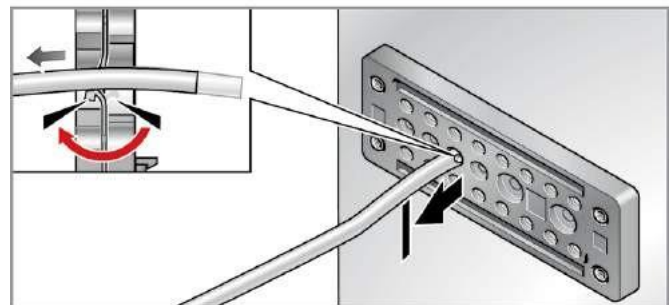
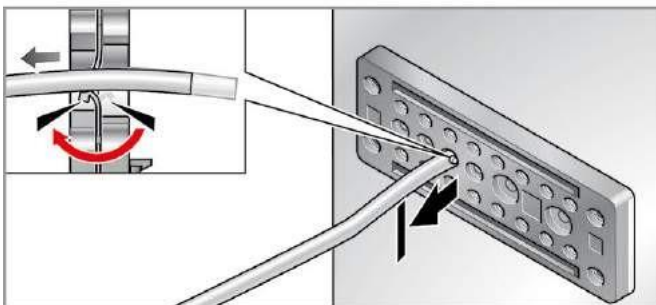
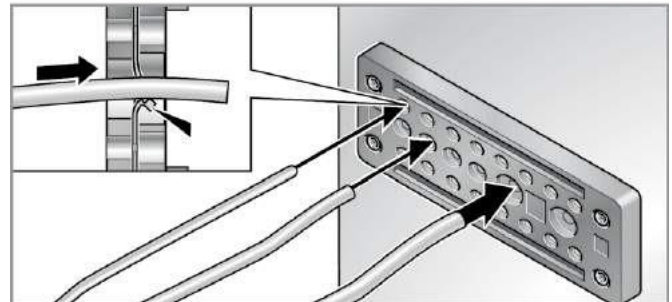
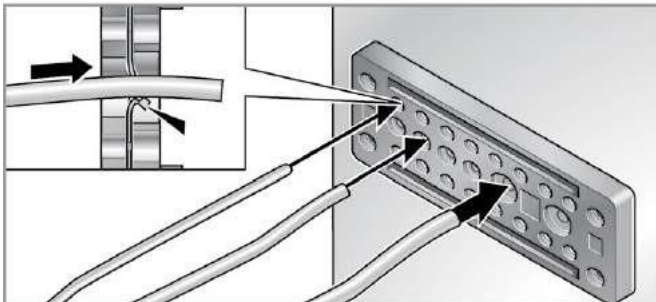
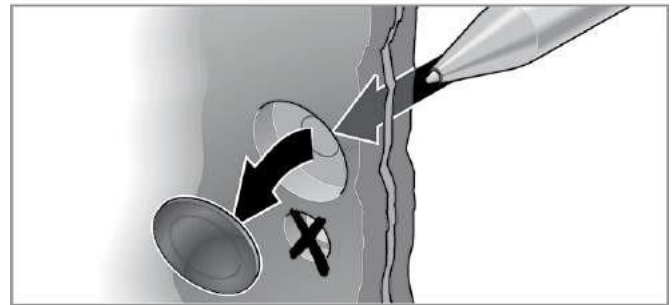
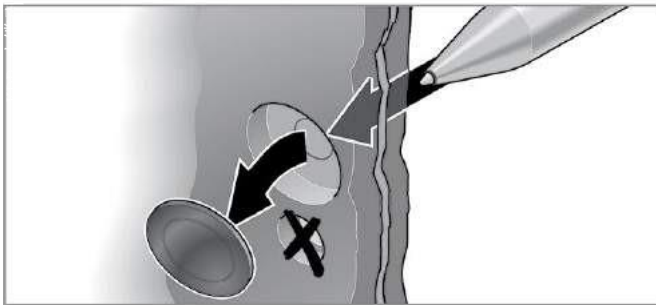
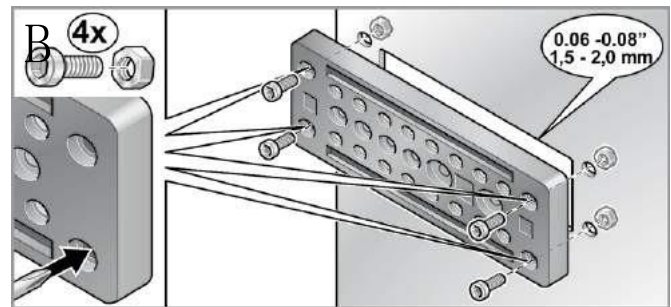
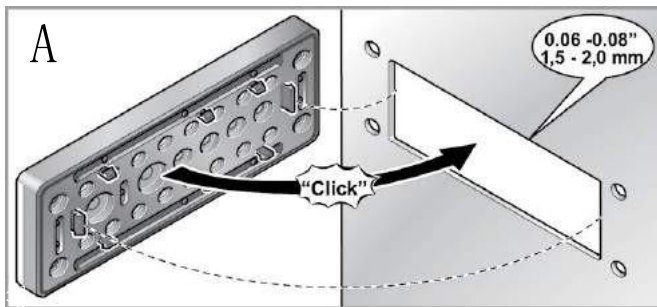
XKDP/N 24/X CABLE ENTRY SYSTEMS



	Type	Part No.	Clamping range (mm)							No. of Cable
			3.0-6.5	4.1-8.1	5.0-9.2	8.0-12.5	9.0-14.0	9.6-15.9	14.0-20.0	
	XKDP/N 24/11	X97301110	4	---	4	---	---	---	3	11
	XKDP/N 24/12	X97301120	---	---	---	12	---	---	---	12
	XKDP/N 24/13	X97301130	2	6	---	---	4	---	1	13
	XKDP/N 24/14	X97301140	6	---	4	---	---	4	---	14
	XKDP/N 24/17	X97301150	---	---	17	---	---	---	---	17
	XKDP/N 24/17-1	X97301151	11	1	---	5	---	---	---	17
	XKDP/N 24/22-1	X97301160	16	---	4	2	---	---	---	22
	XKDP/N 24/22	X97301161	15	---	6	---	---	---	1	22
	XKDP/N 24/23	X97301170	---	23	---	---	---	---	---	23
	XKDP/N 24/29	X97301180	29	---	---	---	---	---	---	29
	XKDP/N 24/29-1	X97301181	26	---	3	---	---	---	---	29
	XBP/N 24	X97171624	---	---	---	---	---	---	---	0

XKDP CABLE ENTRY SYSTEMS

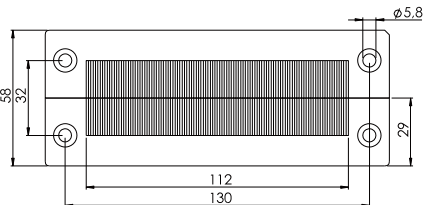
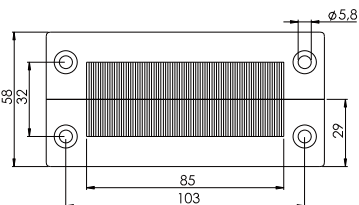
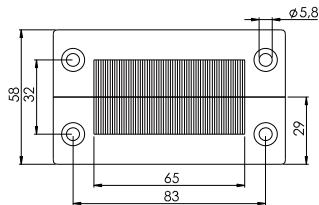
Snap-on Mounting



XKEL CABLE ENTRY SYSTEMS

XKEL-BES-S Brushed Cable Entry Frame



Description	Type	Part No.	Plate mounting dimensions	P U
	XKEL-BES-S 24	X99051522	36 x 112 mm	10
	XKEL-BES-S 16	X99051521	36 x 86 mm	10
	XKEL-BES-S 10	X99051520	36 x 65 mm	10

Benefits

1. Quick and easy installation (optional without screws)
2. It can then be installed around the incoming cable
3. Multifunctional
4. Dust and other debris
5. Visual screening
6. With edge protection function

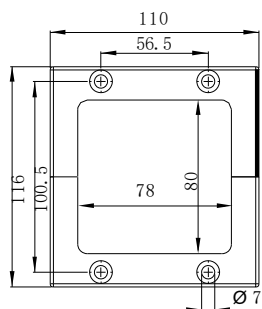
Specification

- ✓ Material Frame : Polyamide (PA)
- ✓ Flame class : UL94-V0
- ✓ Brush : Polyamide (PA)
- ✓ Side of brush frame : Galvanized Steel Plate
- ✓ Temperature range : -20°C to +90°C
- ✓ Properties : Halogen-free, Silicone-free
- ✓ Height : 10 mm

XKEL CABLE ENTRY SYSTEMS

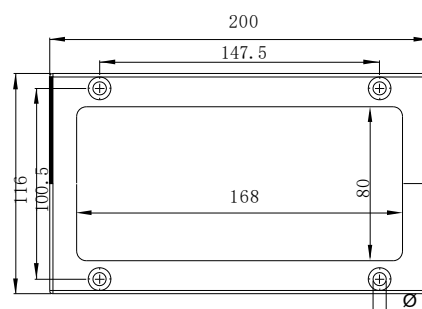


KEL 64 Large diameter sealing frame



Model : XKEL 64/1


Part No. : X99046401



Model : XKEL 64/2

Part No. : X99046402

XKEL-NRG Standard bellows

	Type	Part No.	Clamping range
	XKTF 00	X99040000	Blind Insert
	XKTF 34	X99043400	33 - 36 mm
	XKTF 38	X99043800	36 - 39 mm
	XKTF 42	X99044200	41 - 44 mm
	XKTF 54	X99045400	53 - 56 mm

- ✓ Material : Polyamide (PA)
- ✓ Material : Elastomer
- ✓ Flame class : UL94-V0, (Self-extinguishing)
- ✓ Protection degree : IP54
- ✓ Temperature : - 40°C to +90°C
- ✓ Properties : Halogen-free, silicone-free
- ✓ Height : 35 mm



XKEL CABLE ENTRY SYSTEMS

KEL 64 Large Diameter Sealing Frame



XKEL-64/1



XKEL- 64 / 2





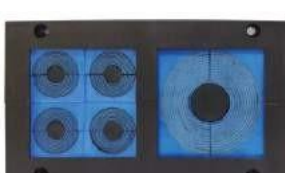


XCM40A



XCM80

Identification	Type	Clamping range (mm)	Installation Height (mm)	Patr No.
Frame	XKEL-64/1	/	100 x 116 x 35	X99046401
	XKEL-64/2	/	200 x 116 x 35	X99046402
Variable Diameter Grommet	XCM40A	10-34 mm	40 x 40 x 30	X97404030
	XCM80	25-65 mm	80 x 80 x 30	X97808030

Description	Type	Part No.	XCM40×40	XCM80×80	Inserts cable
			10-34 mm	25-65 mm	
			Number	Number	
	XKEL 64 / 1C	X99046601	/	1	1
	XKEL 64 / 4C	X99046602	4	/	4
	XKEL 64 / 2C	X99046603	/	2	2
	XKEL 64 / 8C	X99046604	8	/	8
	XKEL 64 / 5C	X99046605	4	1	5

XKEL CABLE ENTRY SYSTEMS

XKEL 24 Cable Entry Frames

Material : Halogen-free, Silicone-free 66

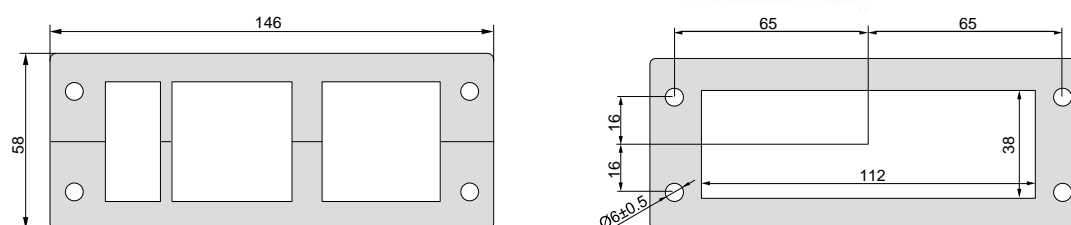
Color : Black

Temperature : -40°C to + 120°C


Protection degree : IP65

Flame class : flammability acc. to UL94 V0

Suitable for situations : Electric control cabinet, communication,
machine tool control cabinet, automation
equipment, power supply cabinet need
cable entry which leads to the occasion.



Hole size

Identification	Type	Clamping range	Dimensions (L x W x H)	Part No.
Frame 	XKEL 24	—	146 x 58 x 24 mm	X97000000
Variable Diameter Grommet 	XCM20×20	3-16 mm	20 x 20 x 20 mm	X97202010
Variable Diameter Grommet 	XCM20×40	3-14 mm	40 x 20 x 20 mm	X97204010
Variable Diameter Grommet 	XCM40	10-33 mm	40 x 40 x 20 mm	X97404010

XKEL CABLE ENTRY SYSTEMS

Description	Type	XCM20×20	XCM40×40	XCM20×40	Inserts cable
		3-16mm	16-29mm	3-14mm	
		Number	Number	Number	
	XKEL 24/14C PartNo. X97020400	2	/	4	14
	XKEL 24/10C Part No. X97100000	10	/	/	10
	XKEL 24/9C Part No. X97020401	2	1	2	9
	XKEL 24/7C Part No. X97060001	6	1	/	7
	XKEL 24/4C Part No. X97030001	2	2	/	4

XKEL CABLE ENTRY SYSTEMS

KEL 48 Cable entry frames

Material : Halogen-free, Silicone-free 66

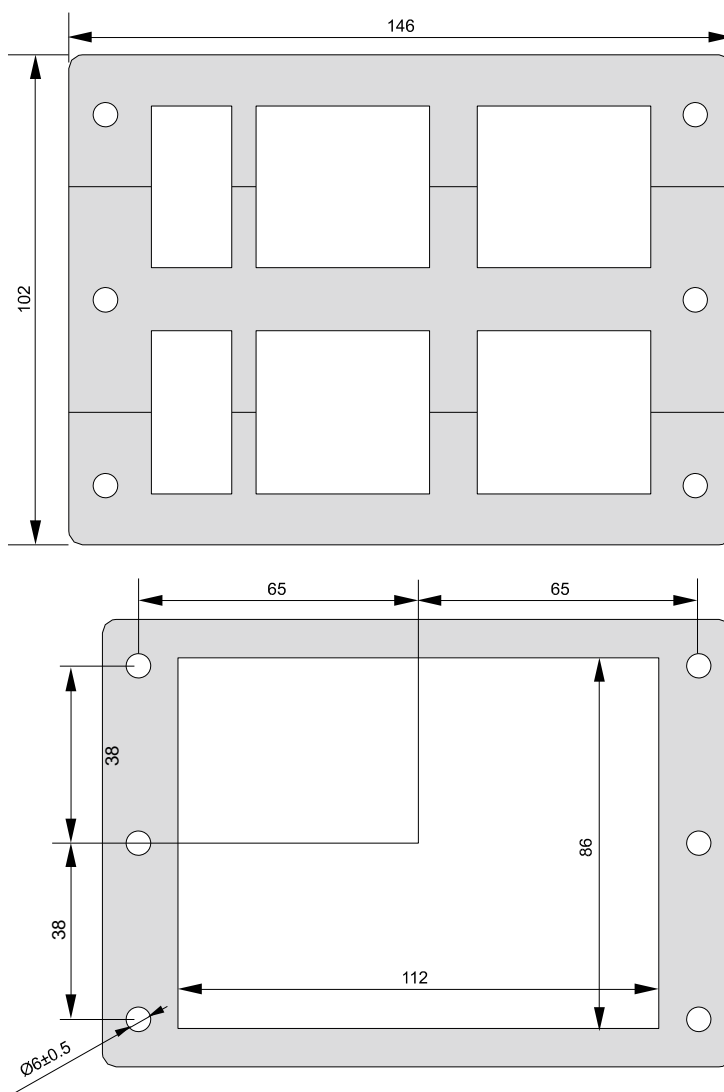
Color : Black

Temperature : -40°C to + 120°C

Protection degree : IP65

Flame class : flammability acc. to UL94 V0

Suitable for situations : Electric control cabinet, communication, machine tool control cabinet, automation equipment, power supply cabinet need cable entry which leads to the occasion.



Hole Size

Identification	Type	Clamping range (mm)	Inserts	Installation height	Part No.
Frame	XKEL 48	—	—	24	X98000000
Variable Diameter Grommet	XCM20×20	3-16	0-20	—	X97202010
	XCM20×40	3-14	0-20	—	X97204010
	XCM40	16-29	0-4	—	X97404010

XKEL CABLE ENTRY SYSTEMS

Type	Description	Number			Inserts cable
		CM20×20 (mm)	CM40×40 (mm)	CM20×40 (mm)	
XKEL 48/28C Part No. X98040800		4	/	8	28
XKEL 48/20C Part No. X98200000		20	/	/	20
XKEL 48/18C Part No. X98040402		4	2	4	18
XKEL 48/(XX)C		A	B	C	A×1+ B×1+ C×3

XKML Seal Module

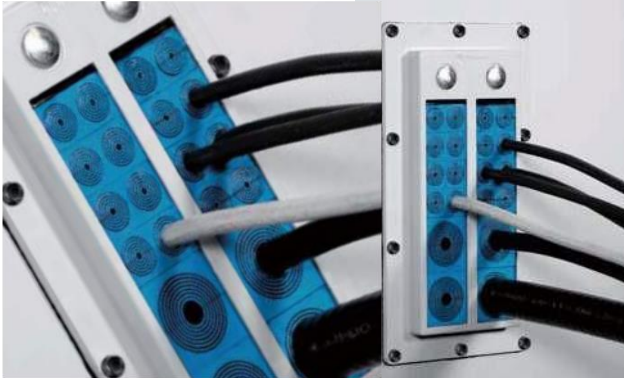


XEXAGON
beyond automation...



SEALING SOLUTIONS FOR CABLE AND PIPE PENETRATIONS

CABLE ENTRY SYSTEMS

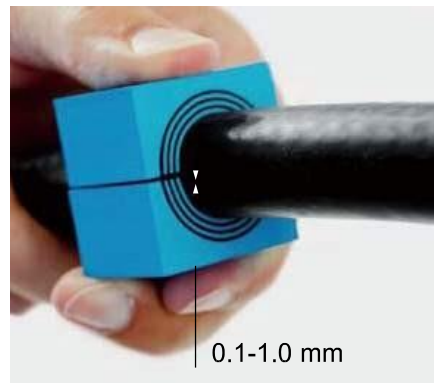
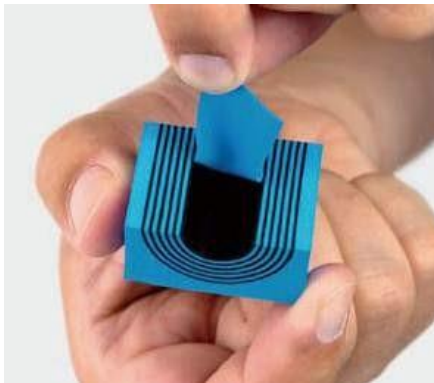


Material: Aluminum

Temperature: -40°C to + 120°C

Protection degree: IP55

Suitable for situations: Electric control cabinet, communication, machine tool control cabinet, automation equipment, power supply cabinet need cable entry which leads to the occasion.



Only by peeling off the core layer, a single module can be sealed differently.

Diameter cables or pipes. If the center plug is not removed, the mold

Blocks are used as spare parts to prepare for future expansion.

Technology based on removable layers, for perfect adaptation to a cable or a pipe.

When used with a solid core, the module functions as a spare module for future capacity.

- For use with Group CM components
- Adaptable sealing modules for cables and pipes 3.5-34.5 mm OD

CABLE ENTRY SYSTEMS

XCM Modules with core



XCM 15x40



XCM 20



XCM 20x40



XCM 30



XCM 30x40



XCM 40



XCM 40 10-32

Type	Number of cables/pipes	For cable Øa-Øb (mm)	External dim. (HxW) (D=30 mm)	Part No.
XCM 15x40	3	0+ 3.5-10.5	15 × 40	X97154010
XCM 20	1	0+ 4.0-14.5	20 × 20	X97202010
XCM 20x40	2	0+ 3.5-16.5	20 × 40	X97204010
XCM 30	1	0+ 10.0-25.0	30 × 30	X97303010
XCM 30x40	1	0+ 10.0-25.0	30 × 40	X97304010
XCM 40	1	0+ 21.5-34.5	40 × 40	X97404010
XCM 40 10-32	1	0+ 9.5-32.5	40 × 40	X97404020

CABLE ENTRY SYSTEMS

XKML Frame, Integrated Compression Unit, Aluminium Kit



XKML 10



XKML 12



XKML 15



XKML 16



XKML 30



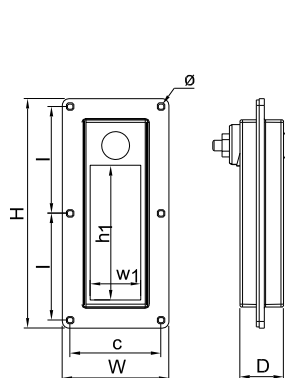
XKML 32

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

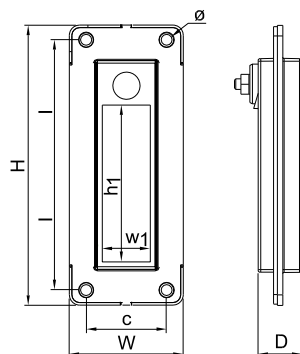
Type	Diameter range and number of cables			Weight (Kg)	Part No.
	0+3.5-16.5 mm (CM 20W40)	0+9.5-32.5 mm (CM 40 10-32)	0+28-43 mm (CM 50)		
XKML 10/4	2 cables	2 cables		0.515	X97100401
XKML 10/7	6 cables	1 cable		0.515	X97100701
XKML 10/10	10 cables			0.515	X97101001
XKML 12/3		3 cables		0.61	X97120301
XKML 12/6	4 cables	2 cables		0.61	X97120601
XKML 12/9	8 cables	1 cable		0.61	X97120901
XKML 12/12	12 cables			0.61	X97121201
XKML 15/3			3 cables	0.91	X97150301
XKML 16/4		4 cables		0.666	X97160401
XKML 16/7	4 cables	3 cables		0.666	X97160701
XKML 16/10	8 cables	2 cables		0.666	X97161001
XKML 16/16	16 cables			0.666	X97161601
XKML 30/6			6 cables	1.40	X97300601
XKML 32/8		8 cables		1.259	X97320801
XKML 32/14	8 cables	6 cables		1.259	X97321401
XKML 32/20	16 cables	4 cables		1.259	X97322001
XKML 32/32	32 cables			1.259	X97323201

CABLE ENTRY SYSTEMS

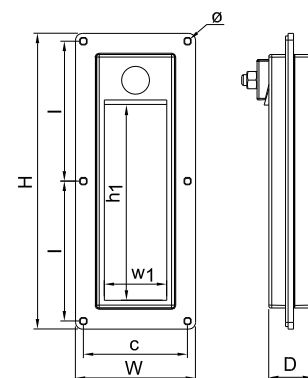
XKML Frame



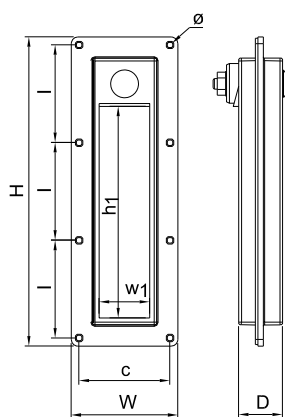
XKML 10



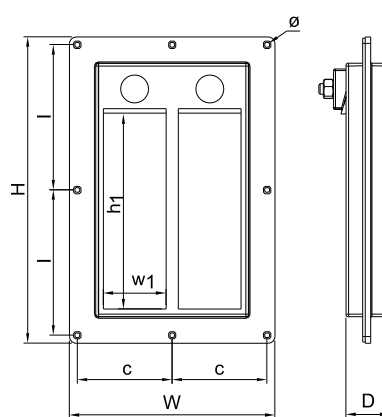
XKML 12



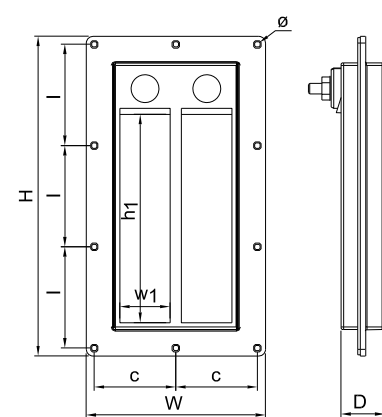
XKML 15



XKML 16



XKML 30

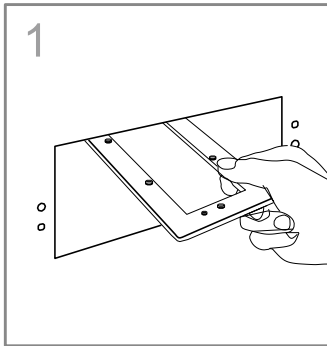


XKML 32

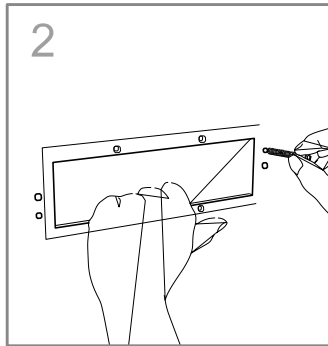
Pos	XKML 10 (mm)	XKML 12 (mm)	XKML 15 (mm)	XKML 16 (mm)	XKML 30 (mm)	XKML 32 (mm)
c	68.5	62	78.5	68.5	71.5	61.5
D	33	33	33	33	33	33
H	173	216	223	233	231	241
h1	100	120	150	160	150	160
l	80.5	193	105.5	73.7	109.5	76.33
w1	40	40	50	40	50	40
W	80.5	88	90.5	80.5	155	135
Ø	5.5	8.5	5.5	5.5	5.5	5.5

CABLE ENTRY SYSTEMS

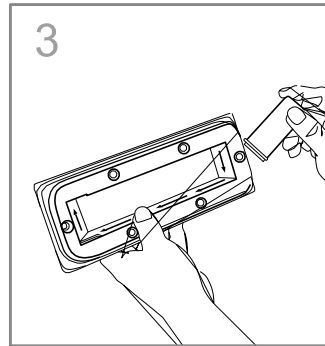
XKML FRAME, HOW TO INSTALL



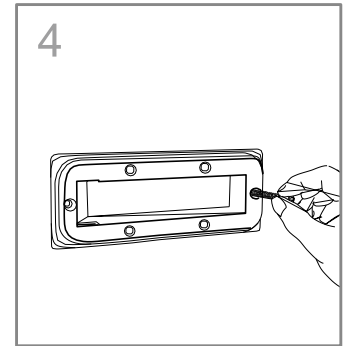
1
Insert the frame plate from outside of the box or cabinet.



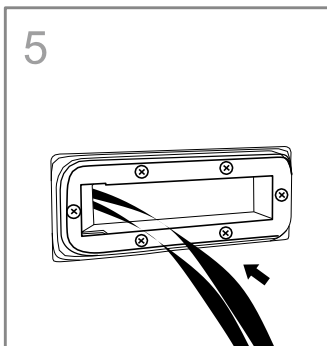
2
Fix the frame plate with two M5 screws across the electronic cabinet.



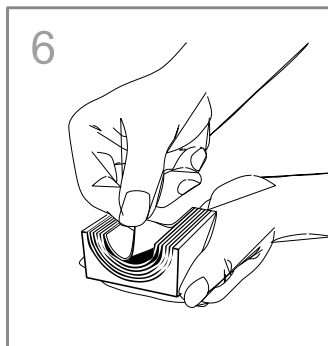
3
Apply lubricating grease on the inner surface of the frame.



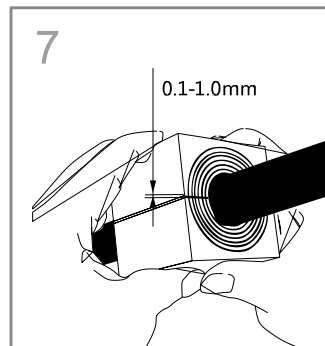
4
Install the frame from outside. Fix the frame plate and frame on the electronic cabinet wall with 6 hex plum blossom screws.



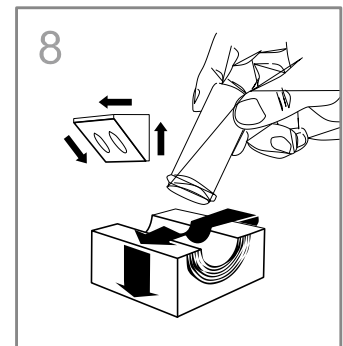
5
Let cables/pipes cross the frame.



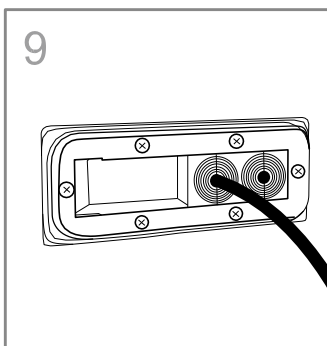
6
Tear the module adjustable piece upon the diameter of cable / pipe, and t the inner diameter with cables/pipes.



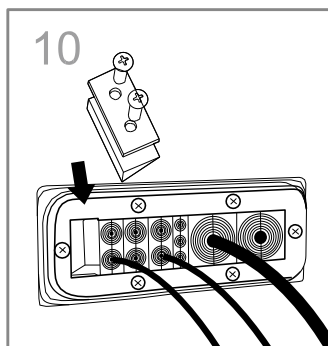
7
After the module is matched with the cables/ pipes, there will be a gap of 0.1-1.0mm between two halves.



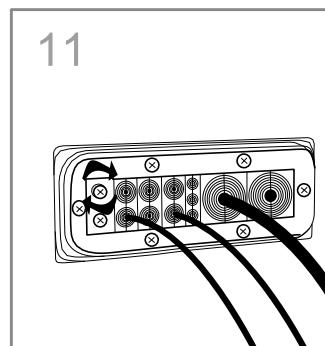
8
Lubricate the adjustable module and its wedge-shaped keeper block with grease.



9
Install the adjustable module in the frame.

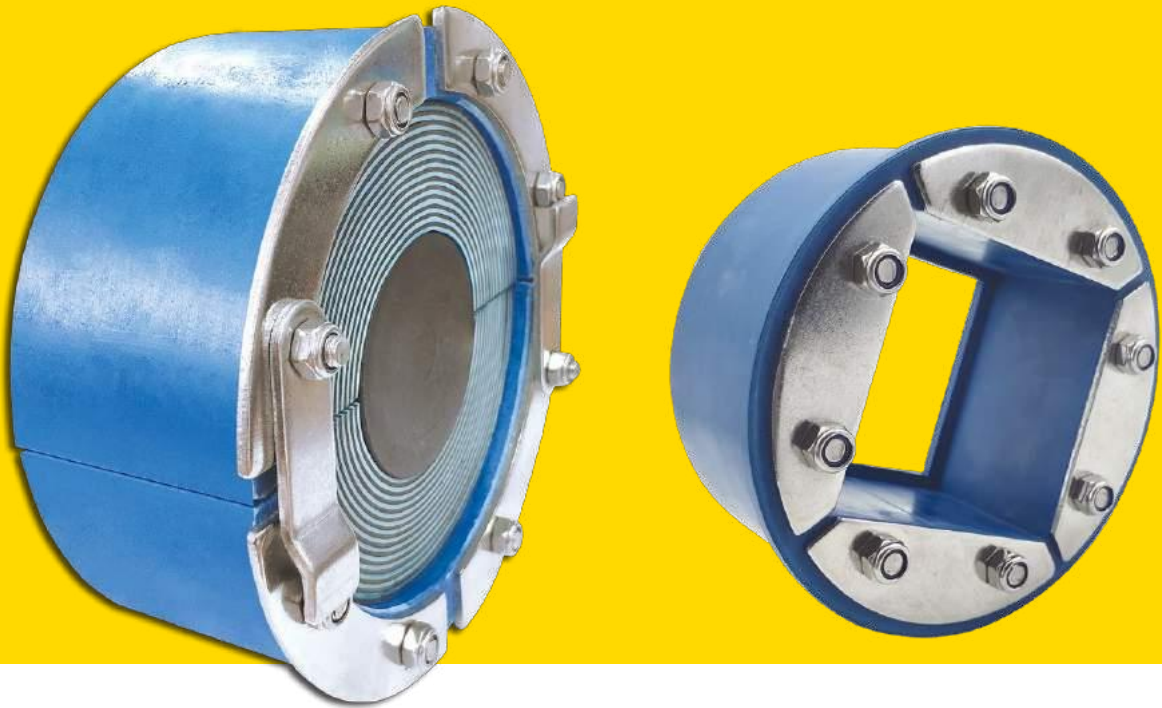


10
Put keeper block, small plate and two 6 hex plum blossom screws.



11
Rotate them evenly until sealed.

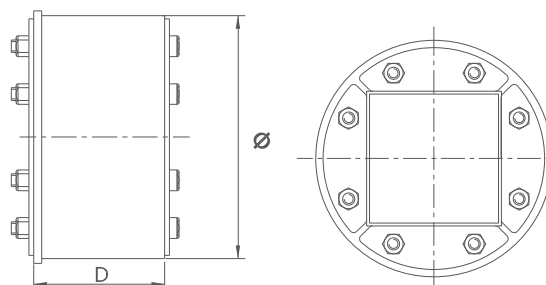
XRS Round through Seal module



RS round single seals are applicable for devices that single cable or pipe can be through the metal sleeve or structure drilling. The structure with the upper and lower parts can be adjusted the adjustable sheet insides for dierent diameter cables or pipes, which can be easily constructed on the laid-up cable or pipe. They are divided into two types with or without core stick. The seals with core stick can be used for the hole preserved.

XR CABLE ENTRY SYSTEMS

XR Seal



Type	Patr No.	Cutout	Range	External dimensions		Pipe size Φ min- max (mm)
				Φ (mm)	d (mm)	
XR50-316	X99046050	30x30	50-52 mm	65	75	65 mm
XR75-316	X99046075	40x40	75-77 mm	85	75	83 mm
XR100-316	X99046100	60x60	100-102 mm	115	75	114 mm
XR125-316	X99046125	80x80	125-127 mm	142	75	140 mm
XR150-316	X99046150	90x90	150-152 mm	165	75	164 mm
XR200-316	X99046200	120x120	200-202 mm	215	75	214 mm



XR50



XR75



XR100



XR125

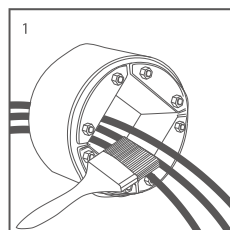


XR150

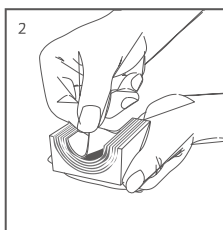


XR200

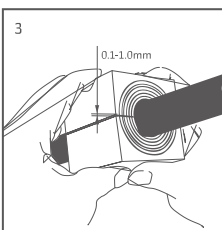
How to install



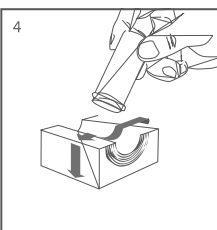
Move the blocker out, clean both the internal walls of the round frame and the surface of matches the external diameter. the cable/pipe, and insert the of the cable/pipe well. blocker into the frame again.



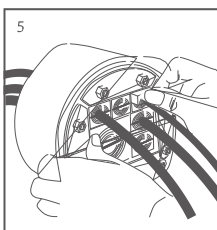
Strip the layers of the module till its internal diameter



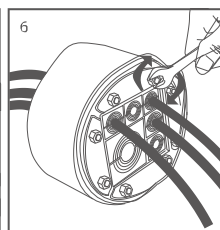
After the module has merged the cable/pipe into one piece, the gap between two halves ranges from 0.1-1.0mm.



Paste the lubricant on the surface of all the sides of the module, including its internal surface, before it is inserted into the frame.



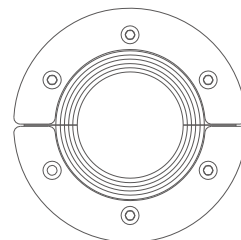
Insert the modules one by one based on the sizes, the bigger ones always go first, followed by the smaller ones.



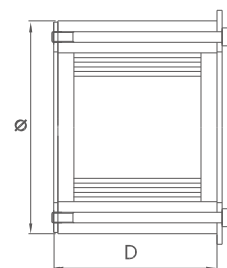
Evenly rotate the screws on both ends of the blocker to tighten the transits.

XRS CABLE ENTRY SYSTEMS

XRS Seal



XRS



XRS- Hole Size

Type	Part No.	External dimensions		Cable/pipe external diameter Φ min- max (mm)
		Φ (mm)	D (mm)	
XRS25	X99047025	25	58	3.5 ~ 12
XRS43	X99047043	43	58	10~ 30
XRS50	X99047050	50	58	15 ~ 30
XRS68	X99047068	68	58	20 ~ 50
XRS75	X99047075	75	58	30 ~ 55
XRS100	X99047100	100	58	50 ~ 70
XRS125	X99047125	125	58	50 ~ 95
XRS150	X99047150	150	58	60 ~ 120
XRS200	X99047200	200	58	100 ~ 150



XRS25



XRS43



XRS50



XRS68



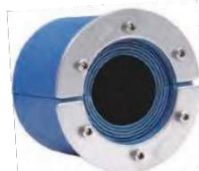
XRS75



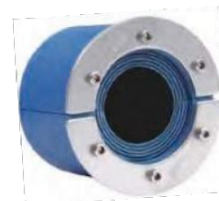
XRS100



XRS125

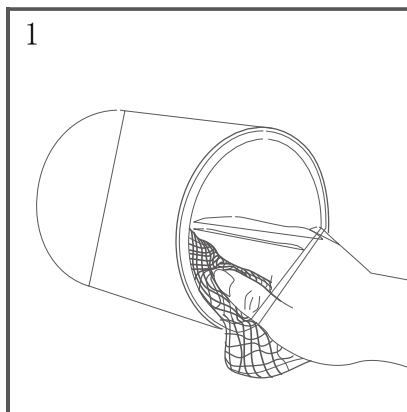


XRS150

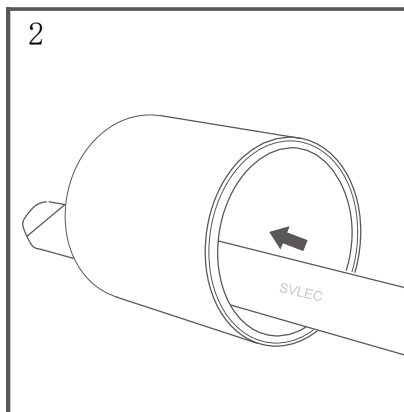


XRS200

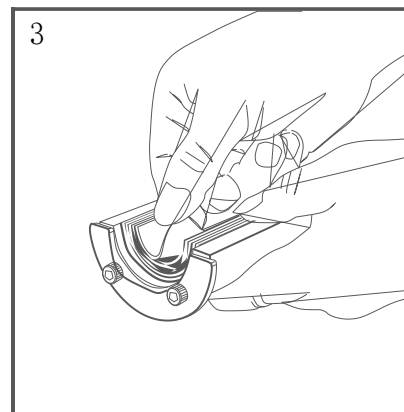
How to install



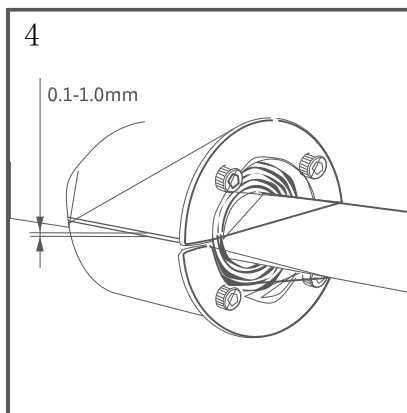
1
Clean the inner wall of the round frame and the surface of cable / pipe.



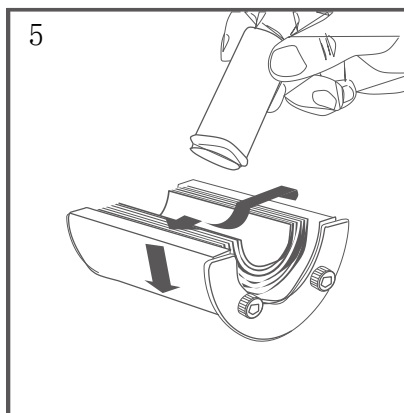
2
Cross the round frame with cables / pipes.



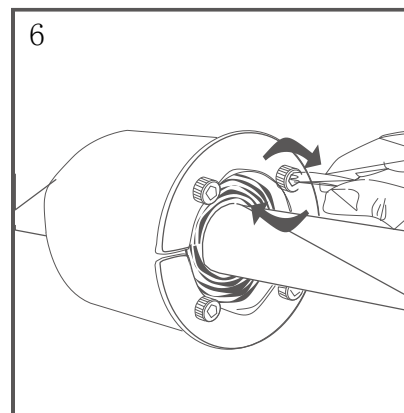
3
Tear the module adjustable piece upon the diameter of cable / pipe, and the inner diameter with cables/pipes.



4
After the round single device is matched with the cables / pipes, the gap between two halves is the 0.1-1.0mm.



5
Fully apply the lubricating grease around upper and lower half parts of the device.



6
After putting into the lower half of the round device, put onto the upper half according to the drawing. Symmetrize the tighten screw until the device seals.

XRM Wall-Piercing Compartment Sealing system










XEXAGON
beyond automation...

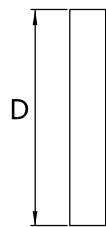
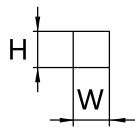


The standard depth of the RM series frames, modules and circular seals is mainly 60 mm. Individual products (such as RS seals) can provide additional depth dimensions. Generally used for wall, floor, bulkhead and deck cable, metal and plastic pipe piercing seals.

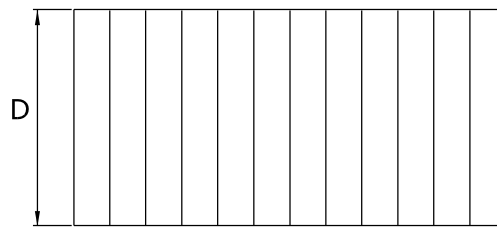
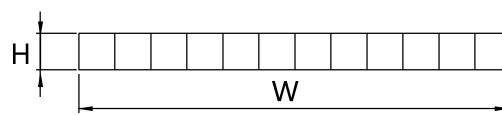
XRM CABLE ENTRY SYSTEMS

RM Blind Plugging Module	Type	Part No.	External dimensions H×W×D (mm)	Weight (kg)
	XRM 5/0x24	X99047051	5 x 120 x 60	0.06
	XRM 10/0x12	X99047101	10 x 120 x 60	0.12
	XRM 10/0	X99047100	10 x 10 x 60	0.02
	XRM 20/0	X99047200	20 x 20 x 60	0.04
	XRM 30/0	X99047300	30 x 30 x 60	0.08
	XRM 40/0	X99047400	40 x 40 x 60	0.15
	XRM 60/0	X99047600	60 x 60 x 60	0.33

Dimensions



XRM 10/0



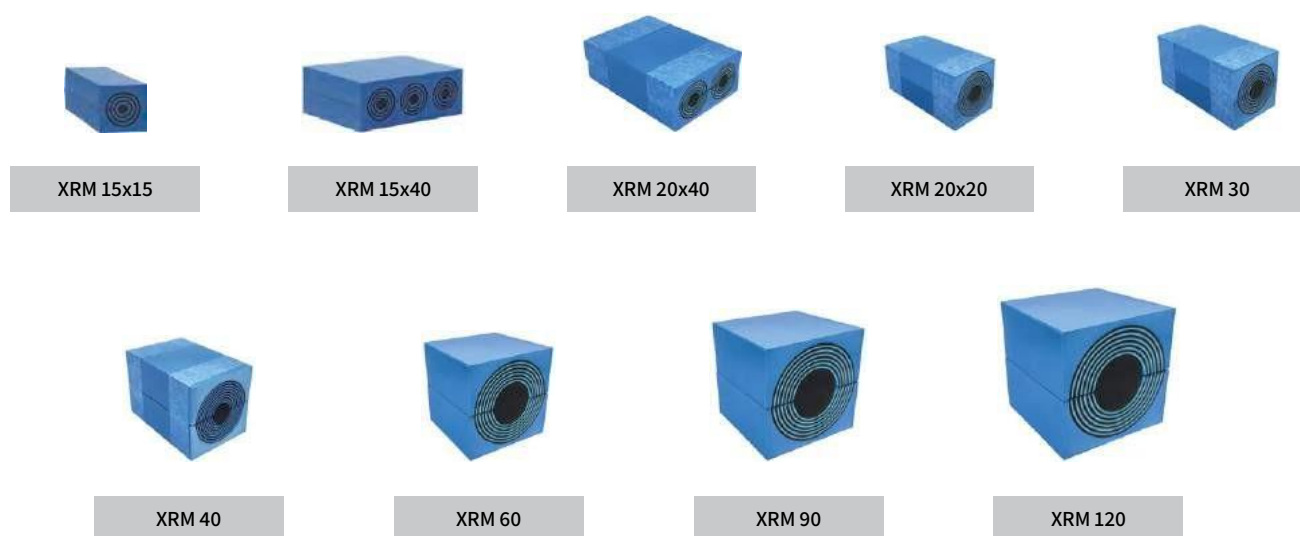
XRM 10/0x12

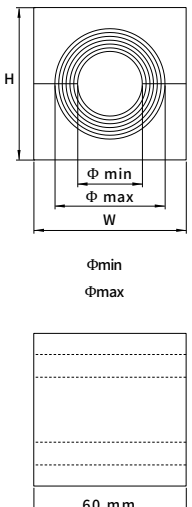
XRM CABLE ENTRY SYSTEMS

XRM Seal

The Flex-diameter module is made of the environmental-friendly halogen-free compound rubber with a rectangular face.

According to different end surface, the module involves ten types such as XRM15, XRM20, XRM30, XRM40, XRM60, XRM90, XRM120, XRM15×40, XRM20×40 and XRM30×40 with respectively 60mm in depth. The Flex-diameter module has multi-level flex-diameter sheets. The bore can be adjusted according to the cable / pipe diameter.

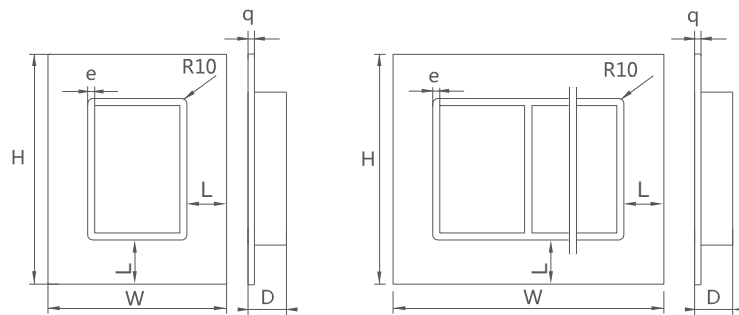


Dimensions	Type	Part No.	External Dimensions H×W (mm)	External Diameter Φ min- max (mm)
	XRM 15x40	X99047154	15 × 40	2.5 - 12
	XRM 20x40	X99047204	20 × 40	3 - 15
	XRM 20x20	X99047202	20 × 20	3 - 16
	XRM 30x30	X99047303	30 × 30	10 - 25
	XRM 40x40	X99047404	40 × 40	21.5 - 34
	XRM 60x60	X99047606	60 × 60	28 - 52
	XRM 90x90	X99047909	90 × 90	47 - 74
	XRM 120x120	X99047120	120 × 120	65 - 100

XRM CABLE ENTRY SYSTEMS

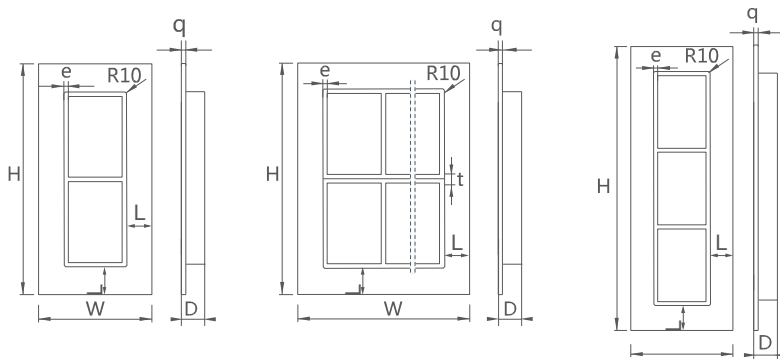
The square flange frame G is bolted or pre-poured frame. The width of the flange edge can be selected according to customer requirements and the materials can be low-carbon steel, stainless steel etc.

A With border



XG Sx1

XG Sxn



XG S+Sx1

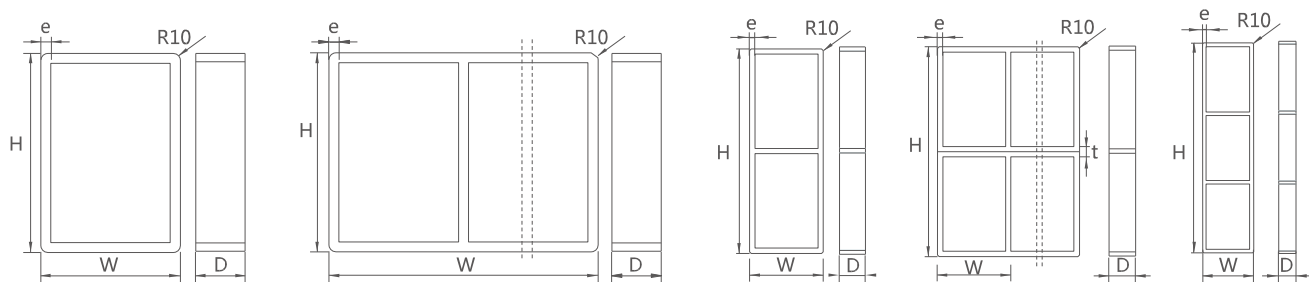
XG S+Sxn

XG S+S+Sxn

S- Frame size
n- Number of horizontal opening

e=10mm t=20mm
q=10mm D=60mm

B Without border



XG Sx1

XG Sxn

XG S+Sx1

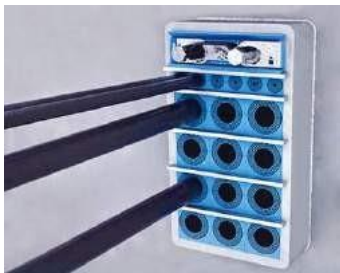
XG S+Sxn

XG S+S+Sxn

S- Frame size
n- Number of horizontal opening

e=10mm t=20mm
D=60mm

XRM CABLE ENTRY SYSTEMS



A With border B Without border

Type	Part No.	SS 304 Part No.	SS 316 Part No.	Frame Openings	Packing space (mm)	Dimensions (with frame) H x W (D=60) mm	External dimensions H x W (mm)
XG 2x1	X99047211-11	X99047212-11	X99047213-11	1	60 x 120	241 x 261	121 x 141
XG 2x2	X99047211-12	X99047212-12	X99047213-12	2	60 x 120	241 x 391	121 x 271
XG 2x3	X99047211-13	X99047212-13	X99047213-13	3	60 x 120	241 x 522	121 x 402
XG 4x1	X99047411-11	X99047412-11	X99047413-11	1	120 x 120	300 x 261	180 x 141
XG 4x2	X99047411-12	X99047412-12	X99047413-12	2	120 x 120	300 x 391	180 x 271
XG 4x3	X99047411-13	X99047412-13	X99047413-13	3	120 x 120	300 x 522	180 x 402
XG 6x1	X99047611-11	X99047612-11	X99047613-11	1	180 x 120	360 x 260	240 x 140
XG 6x2	X99047611-12	X99047612-12	X99047613-12	2	180 x 120	360 x 390	240 x 270
XG 6x3	X99047611-13	X99047612-13	X99047613-13	3	180 x 120	360 x 520	240 x 400
XG 6x4	X99047611-14	X99047612-14	X99047613-14	4	180 x 120	360 x 650	230 x 530
XG 6x5	X99047611-15	X99047612-15	X99047613-15	5	180 x 120	360 x 780	230 x 660
XG 6x6	X99047611-16	X99047612-16	X99047613-16	6	180 x 120	360 x 910	230 x 790
XG 6+6x1	X99047611-21	X99047612-21	X99047613-21	2	180 x 120	590 x 260	470 x 140
XG 6+6x2	X99047611-22	X99047612-22	X99047613-22	4	180 x 120	590 x 390	470 x 270
XG 6+6x3	X99047611-23	X99047612-23	X99047613-23	6	180 x 120	590 x 520	470 x 400
XG 6+6x4	X99047611-24	X99047612-24	X99047613-24	8	180 x 120	590 x 650	470 x 530
XG 6+6x5	X99047611-25	X99047612-25	X99047613-25	10	180 x 120	590 x 780	470 x 660
XG 6+6x6	X99047611-26	X99047612-26	X99047613-26	12	180 x 120	590 x 910	470 x 790
XG 8x1	X99047811-11	X99047812-11	X99047813-11	1	240 x 120	420 x 260	300 x 140
XG 8x2	X99047811-12	X99047812-12	X99047813-11	2	240 x 120	420 x 390	300 x 270
XG 8x3	X99047811-13	X99047812-13	X99047813-11	3	240 x 120	420 x 520	300 x 400

Note: Please consult the salesperson for the specific sash size

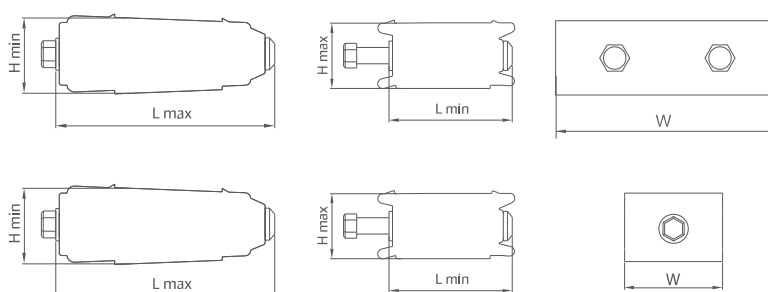
XRM CABLE ENTRY SYSTEMS

XRM Keeper block



RM square keeper block is an element of the square modular cable/pipe transits.

It is inserted into the frame, and tightly presses the modules by adjusting the bolts on it, which improves insulation performance.



Type	Part No.
XY 60X60	X99047360
XY 120X60	X99047720

**H max- Keeper block
maximum height**

**H min- Keeper block
minimum height**

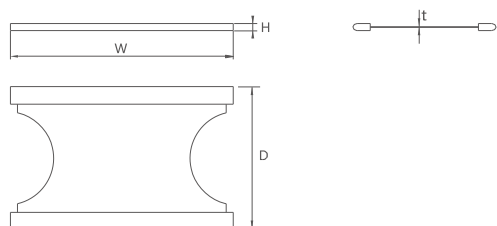
**L max- Keeper block
maximum length**

**L min- Keeper block
minimum height**

XRM Separating board



RM separating board is the main component of square modular cable/pipe transits, which is installed between two layer modules or between the module and keeper block with the function of preventing the block from slipping out of the frame. They are made of low carbon steel, stainless steel, etc.



Type	Patr No.	Material
C120X60-A	99047721	304
C120X60-B	99047722	316

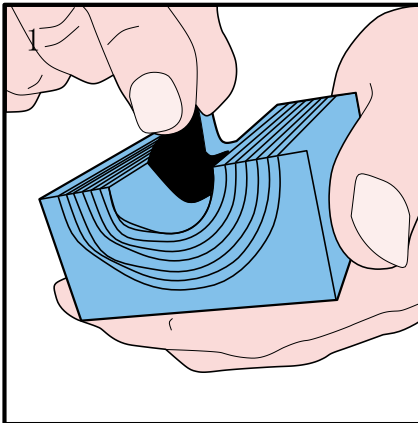
XRM Lubricant



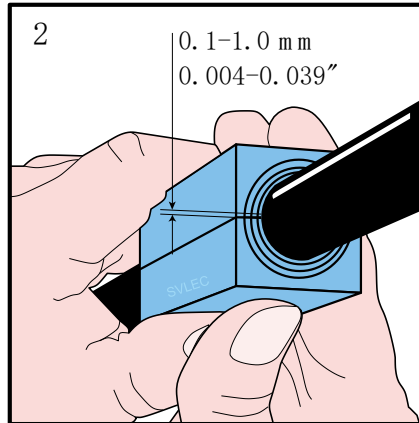
Type : XALT020
Specifications : 20ml

Lubricant is a kind of animal grease, which is natural and non-corrosive. It is applied to the surface of modules, keeper blocks, internal walls of frames, and separating boards, to not only lubricate the surface but improve insulation performance of transits as well.

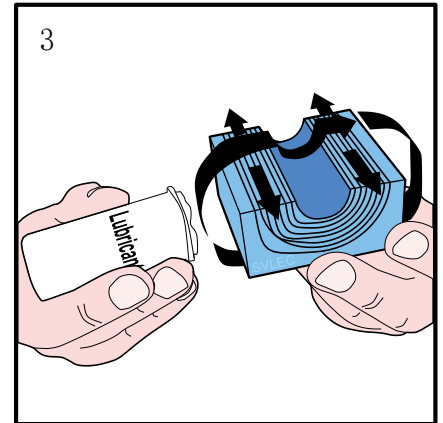
How to install



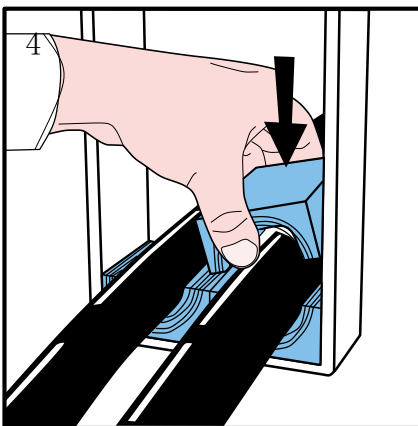
Adapt the module to the cable or tube by stripping the core layer Channel size until the gap in Figure 2 is met. Every The stripping derivative between the modules is at most one layer different.



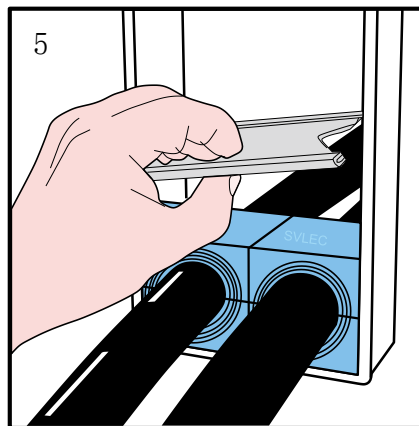
When determining the relationship between the module and the sealed cables and pipes When adapting, the gap between each pair of modules is satisfied 0.1-1.0 mm.



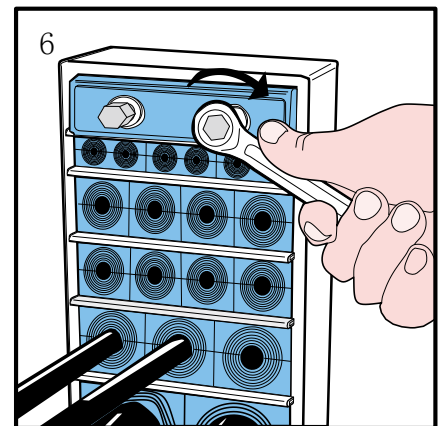
Fully lubricate all modules and packages that need to be installed Including inner surface and outer surface.



Insert the module according to your (transit) installation drawing. It is recommended to seal cables and pipes from the bottom of the frame first, and then Arrange spare modules on the upper part.



Insert one above each row of installed modules Interlayer board.



Insert the wedge-shaped compression block and tighten the bolts until the end Tighten until it is fully tightened.

