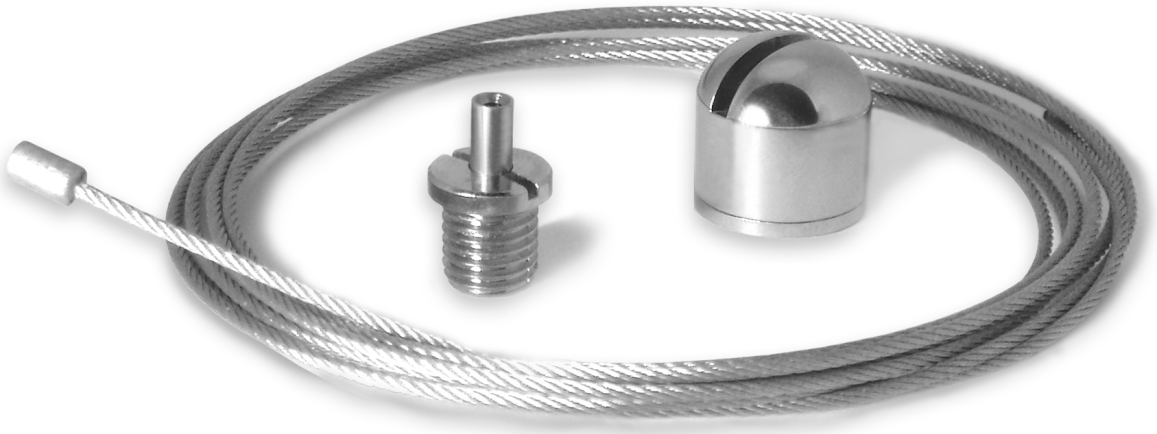
Suspension Systems

Easy installation
Instant adjustment
Compact design
Wide area of use



2009

ALEM

Dear customers,

In addition to the standard products in this catalogue, we can design components based on your specific product requirements.

We are happy to help you develop your project and offer solutions to improve the desired product. Please contact us to find out more about our ideas.

All our products are in compliance with RoHS directives.

We always do our best on:
- Quality
- Punctuality
- Service
- Price

Best regards,
Alem Teknik AB

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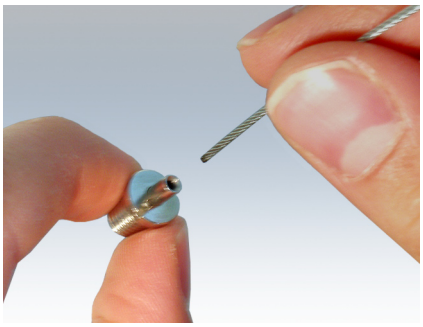
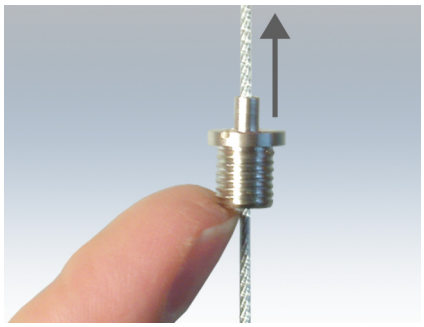
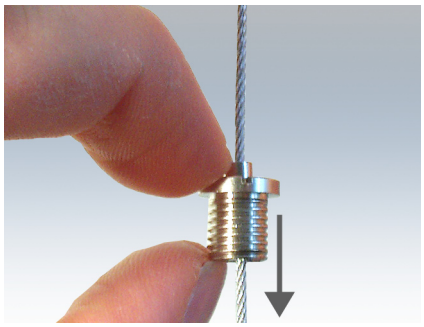
Suspension system



A. Insert wire into gripper



B. Adjust up



C. Press pin and adjust down

Grippers

Compact designed grippers allow swift installation and instant adjustment without damaging the wire.

We have many different gripper models to choose from, depending on your area of usage and weight capacities.

Wires

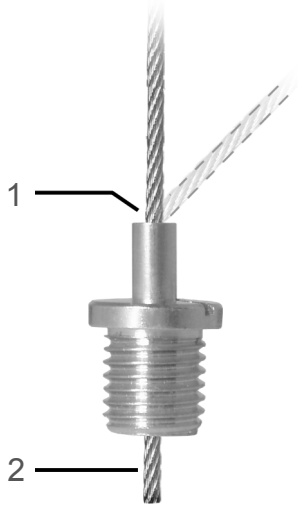
Stainless steel and zinc-plated wires are available in various dimensions and lengths.

Wires with loops or nipples can be obtained after consultation with our technicians.

Attachments

Attachments are used to fix the wire to ceilings, walls or floors.

Ensure that you use suitable screws and dowels for the materials when installing.



1. Direction of wire and gripper must be in a straight line

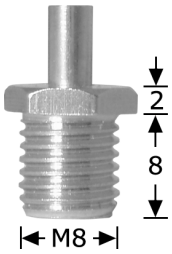
2. For safe installation, the wire must be inserted all the way through the gripper and protrude at least 5 mm from the bottom

Grippers

9-13H

Gripper with hexagonal head.

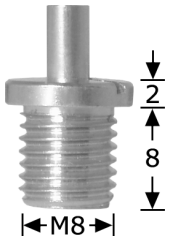
Old art. no:	933201
Size:	SW 10 x 10 mm
Thread:	M8 x 1
Finish:	Nickel plating
Wire exit:	Bottom
Rec. wire:	Ø 1,0 - 1,2 mm



9-13R

Gripper with collar.

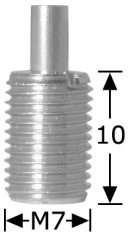
Old art. no:	933202
Size:	Ø 10 x 10 mm
Thread:	M8 x 1
Finish:	Nickel plating
Wire exit:	Bottom
Rec. wire:	Ø 1,0 - 1,2 mm



9-61

Gripper for limited space.

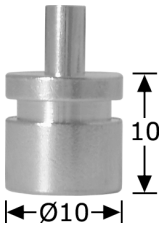
Old art. no:	933203
Size:	Ø 7 x 10 mm
Thread:	M7
Finish:	Nickel plating
Wire exit:	Bottom
Rec. wire:	Ø 1,0 - 1,2 mm



9-12T

Gripper with slit.

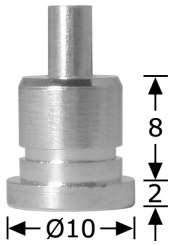
Old art. no:	933204
Size:	Ø 10 x 10 mm
Finish:	Nickel plating
Wire exit:	Bottom
Rec. wire:	Ø 1,0 - 1,2 mm



9-12TS

Gripper with slit and collar.

Old art. no:	933205
Size:	Ø 10 x 10 mm
Finish:	Nickel plating
Wire exit:	Bottom
Rec. wire:	Ø 1,0 - 1,2 mm



9-33MM10

Gripper with collar.

Old art. no:	933301
Size:	Ø 12 x 16 mm
Thread:	M10 x 1
Finish:	Nickel plating
Wire exit:	Bottom
Rec. wire:	Ø 1,2 - 1,5 mm

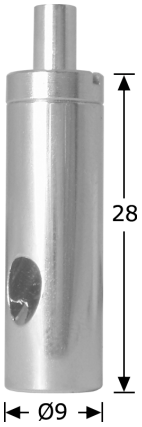
Grippers

9-38M4

Gripper with female thread.

Old art. no: 933801
Size: Ø 9 x 28 mm
Thread: M4
Finish: Nickel plating
Wire exit: Side
Rec. wire: Ø 1,0 - 1,2 mm

Also available with:
M5 Thread (Art. no. 9-38M5)

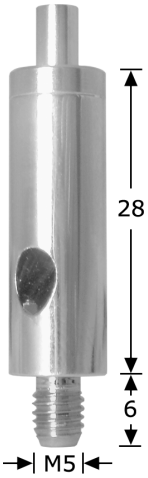


9-38MM5L6

Gripper with male thread.

Old art. no: 933809
Size: Ø 9 x 28 mm
Thread: M5
Finish: Nickel plating
Wire exit: Side
Rec. wire: Ø 1,0 - 1,2 mm

Also available with:
Various threads

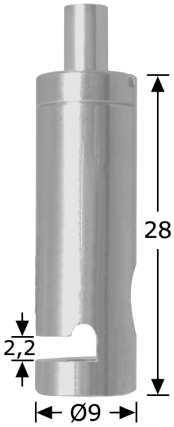


9-38M4P

Gripper with transversal slit.

Old art. no: 933802
Size: Ø 9 x 28 mm
Thread: M4
Finish: Nickel plating
Wire exit: Side
Rec. wire: Ø 1,0 - 1,2 mm

Including :
M4 set screw (Art. no. 710MM4L5BK)

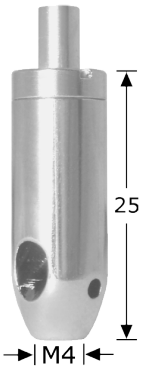


9-38M4CH2

Gripper with transversal hole.

Old art. no: 933803
Size: Ø 9 x 25 mm
Thread: M4
Finish: Nickel plating
Wire exit: Side
Rec. wire: Ø 1,0 - 1,2 mm

Including :
M4 set screw (Art. no. 710MM4L5BK)

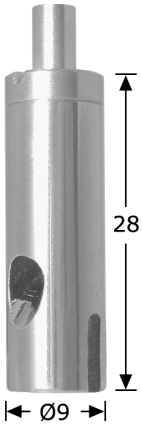


9-38M5U

Gripper with transversal slit.

Old art. no: 933807
Size: Ø 9 x 28 mm
Thread: M5
Finish: Nickel plating
Wire exit: Side
Rec. wire: Ø 1,0 - 1,2 mm

Use with:
M5 set screw (Art. no. 710MM5L5BK)
or M5 T-screw (Art. no. 719MM5L6)

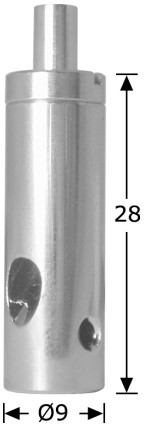


9-38M5H2

Gripper with transversal hole.

Old art. no: 933808
Size: Ø 9 x 28 mm
Thread: M5
Finish: Nickel plating
Wire exit: Side
Rec. wire: Ø 1,0 - 1,2 mm

Use with:
M5 set screw (Art. no. 710MM5L5BK)
or M5 T-screw (Art. no. 719MM5L6)



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Grippers

9-18TD8

Gripper with two side slits.

Size:	Ø 8 x 22 mm
Finish:	Nickel plating
Wire exit:	Side
Rec. wire:	Ø 0,8 - 1,2 mm

9-18M4BL21

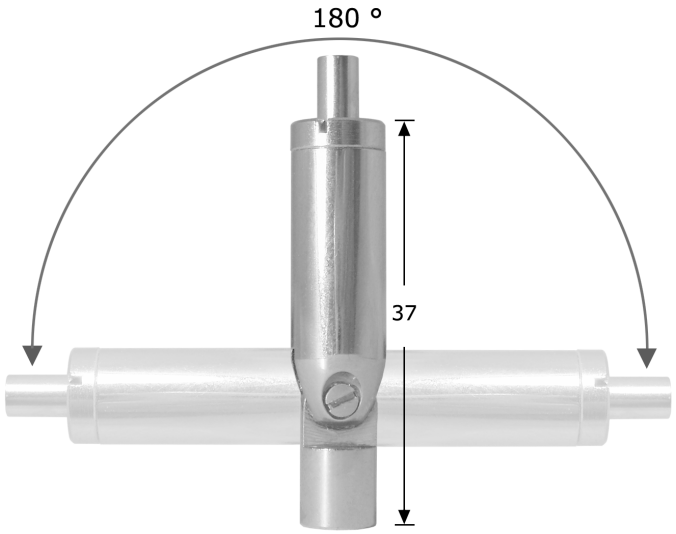
Gripper with female thread

Size:	Ø 9 x 21 mm
Finish:	Nickel plating
Wire exit:	Side
Rec. wire:	Ø 0,8 - 1,2 mm

9-38V8M4

Gripper with female threaded joint.

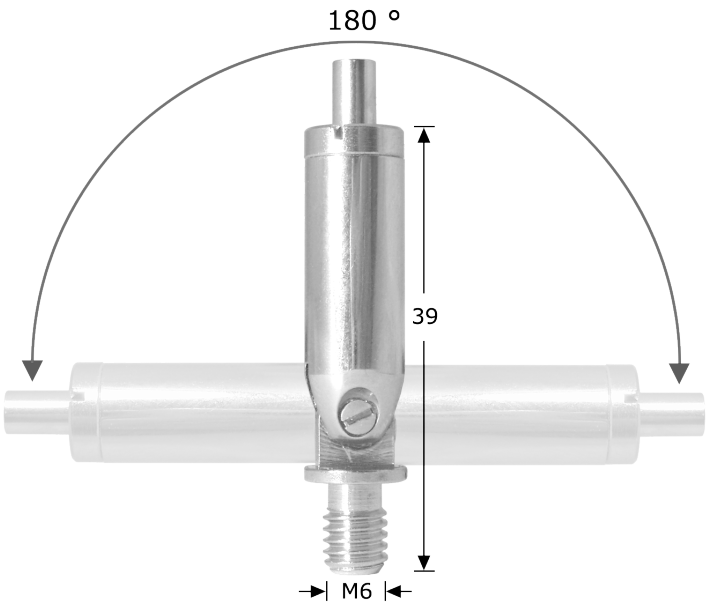
Old art. no:	933811
Size:	Ø 9 x 37 mm
Thread:	M4
Finish:	Nickel plating
Wire exit:	Side
Rec. wire:	Ø 1,0 - 1,2 mm



9-38V8MM6L8

Gripper with male threaded joint.

Old art. no:	933812
Size:	Ø 9 x 39 mm
Thread:	M6
Finish:	Nickel plating
Wire exit:	Side
Rec. wire:	Ø 1,0 - 1,2 mm



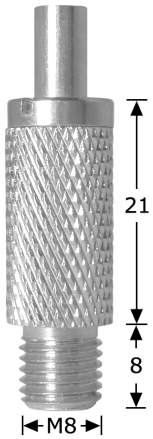
Grippers

9-75MM8P1CK

Gripper with heavy knurls.

Old art. no: 937701
Size: Ø 10 x 29 mm
Thread: M8 x 1
Finish: Nickel plating
Wire exit: Bottom
Rec. wire: Ø 1,2 - 1,8 mm

Also available with:
Thread M8 with pitch 1,25
(Art. no. 9-75MM8P125)

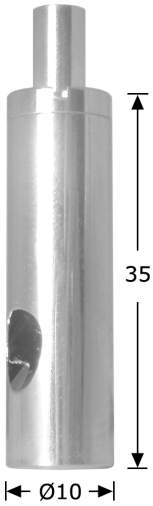


9-78M6

Gripper with female thread.

Old art. no: 937813
Size: Ø 10 x 35 mm
Thread: M4
Finish: Nickel plating
Wire exit: Side
Rec. wire: Ø 1,2 - 1,5 mm

Also available with:
M4 Thread (Art. no. 9-78M4)
M5 Thread (Art. no. 9-78M5)

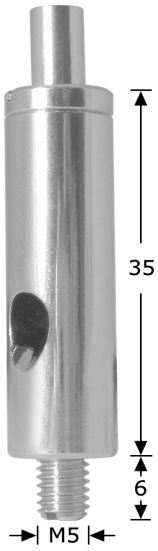


9-78MM5L6

Gripper with male thread.

Old art. no: 937804
Size: Ø 10 x 35 mm
Thread: M5
Finish: Nickel plating
Wire exit: Side
Rec. wire: Ø 1,2 - 1,5 mm

Also available with:
Various threads

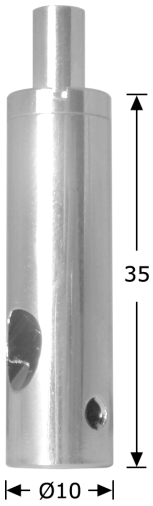


9-78M6H2

Gripper with transversal hole.

Old art. no: 937807
Size: Ø 10 x 35 mm
Thread: M6
Finish: Nickel plating
Wire exit: Side
Rec. wire: Ø 1,2 - 1,5 mm

Use with:
M5 set screw (Art. no. 710MM5L5BK)
or M5 T-screw (Art. no. 719MM5L6)

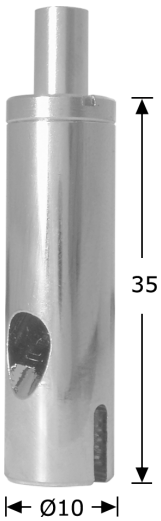


9-78M6U

Gripper with transversal slit.

Old art. no: 937806
Size: Ø 10 x 35 mm
Thread: M6
Finish: Nickel plating
Wire exit: Side
Rec. wire: Ø 1,2 - 1,5 mm

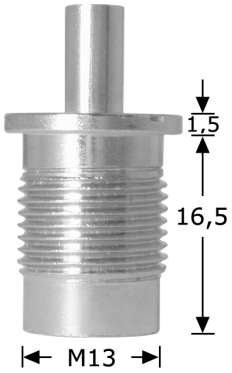
Use with:
M6 set screw (Art. no. 710MM6L6BK)
or M6 T-screw (Art. no. 719MM6L7)



9-73MM13

Gripper with collar.

Old art. no: 933401
Size: Ø 15 x 18 mm
Thread: M13 x 1
Finish: Nickel plating
Wire exit: Bottom
Rec. wire: Ø 1,5 - 2,0 mm



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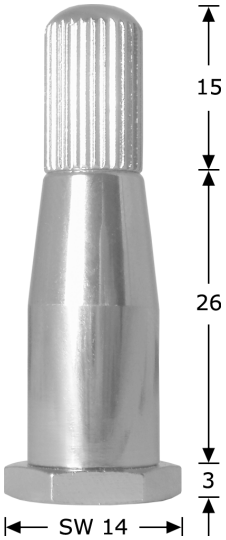
Grippers

697-M10BL44

Gripper with safety cap.

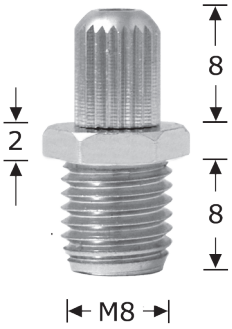
Old art. no:	937805
Size:	SW 14 x 44 mm
Finish:	Nickel plating
Wire exit:	Bottom
Rec. wire:	Ø 1,5 - 2,0 mm



9-16H

Gripper with safety cap.

Old art. no:	
Size:	SW10 x 18 mm
Thread:	M8 x 1
Finish:	Nickel plating
Wire exit:	Bottom
Rec. wire:	Ø 1,0 - 1,2 mm

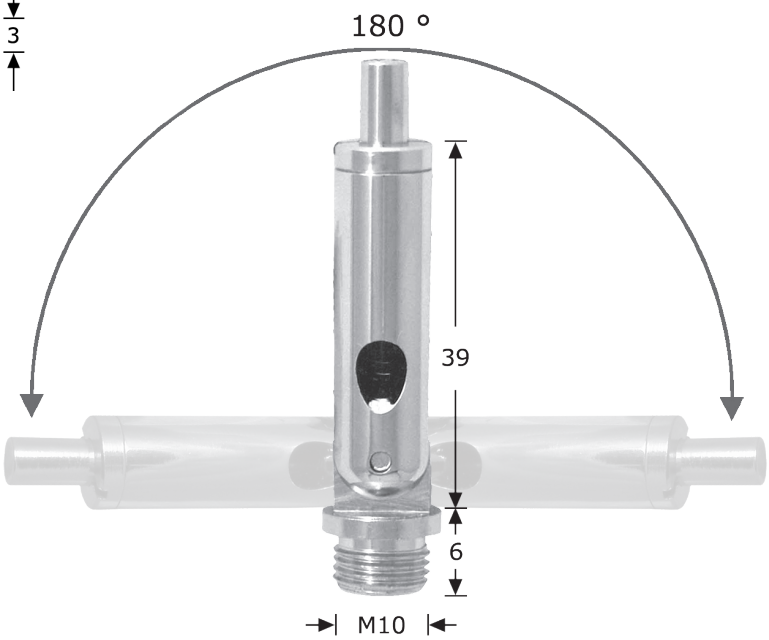


9-78V8MM10P1

Gripper with male threaded joint.

Old art. no:	937810
Size:	Ø 10 x 45 mm
Thread:	M10 x 1
Finish:	Nickel plating
Wire exit:	Side
Rec. wire:	Ø 1,2 - 1,5 mm

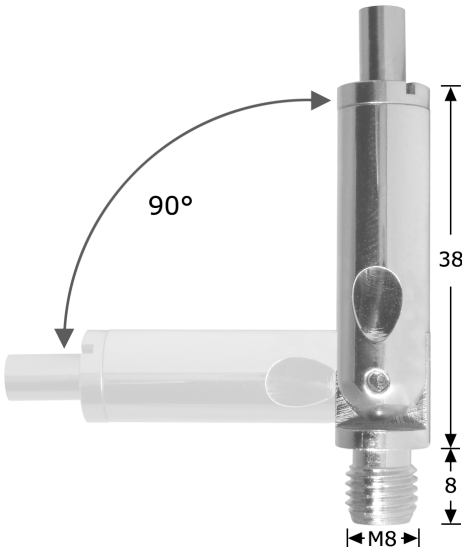
Also available with:
M13 x 1 Thread (Art. no. 9-78V8MM13P1)



9-78V9MM8L8

Gripper with male threaded joint.

Old art. no:	937809
Size:	Ø 10 x 46 mm
Thread:	M8 x 1
Finish:	Nickel plating
Wire exit:	Side
Rec. wire:	Ø 1,2 - 1,5 mm

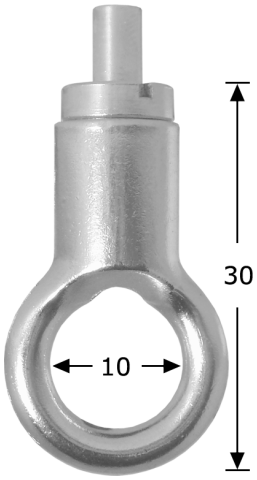


Grippers

9-39Q

Gripper with moulded body.

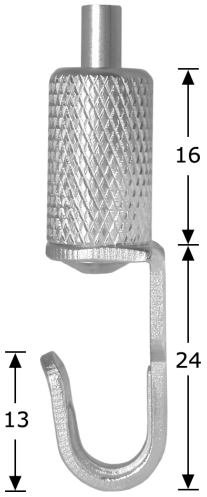
Old art. no:	933810
Size:	Ø 10 x 30 mm
Finish:	Nickel plating
Wire exit:	Bottom
Rec. wire:	Ø 1,0 - 1,2 mm



9-39J

Gripper with hook.

Old art. no:	937703
Size:	Ø 10 x 40 mm
Finish:	Nickel plating
Wire exit:	Bottom
Rec. wire:	Ø 1,2 - 1,5 mm



9-39UPDNW

Double gripper with special function.

Size:	18 x 9 x 22 mm
Finish:	Nickel plating
Wire exit:	Top & bottom
Rec. wire:	Ø 1,0 - 1,2 mm

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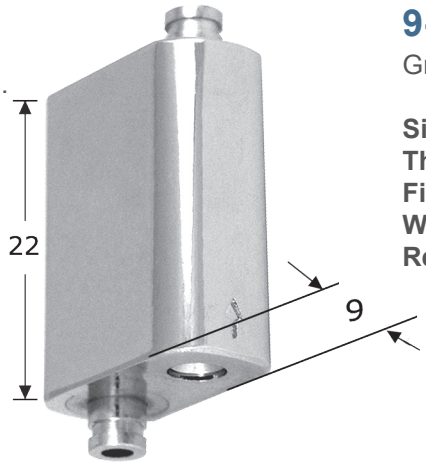


9-11P125

Gripper with full body thread.

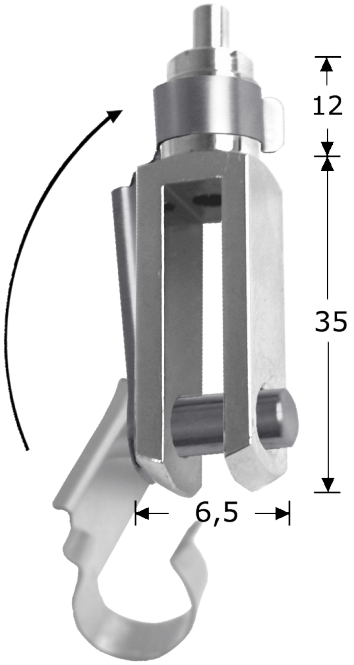
Size:	Ø 8 x 18,5 mm
Thread:	M8 x 1,25
Finish:	Nickel plating
Wire exit:	Bottom
Rec. wire:	Ø 1,0 - 1,2 mm

9-39U

Gripper with spring attachment.

Size:	47 x 6,5 mm
Finish:	Nickel plating
Wire exit:	Bottom
Rec. wire:	Ø 1,0 - 1,2 mm

Also available with:
Different dimensions



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Attachments

42T24M5L5H

Ceiling attachment with 2 holes.

Old art. no: 945301
Size: 26 x 42 mm
Thread: M5 x 5 mm
Finish: White colour

Also available with:
M5 x 10 mm thread (Art. no. 42T24M5L10H)

31SM5L5

Click clip for ceiling system T15 track.

Size: 25 x 42 mm
Thread: M5 x 5 mm
Finish: White colour

Also available with:
M5 x 10 mm thread (Art. no. 31SM5L10)
M6 x 7 mm thread (Art. no. 31SM6L7)
Hook (Art. No. 31SD4L30J)

32SM5L5

Click clip for ceiling system T24 track.

Size: 31 x 42 mm
Thread: M5 x 5 mm
Finish: White colour

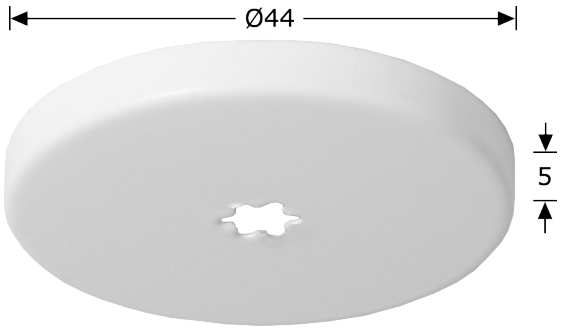
Also available with:
M5 x 10 mm thread (Art. no. 32SM5L10)
M6 x 7 mm thread (Art. no. 32SM6L7)
Hook (Art. No. 32SD4L30J)

Attachments

43M5WK

Cover for ceiling clips M5.

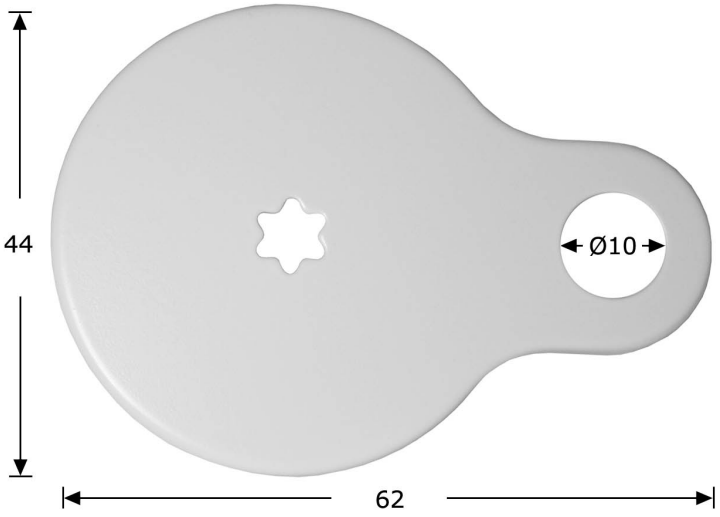
Old art. no: 965602
Size: Ø 44 x 5 mm
Finish: White colour



43M5H10WK

Cover with 10 mm hole for ceiling clips M5.

Old art. no: 965604
Size: 44 x 62 x 5 mm
Finish: White colour

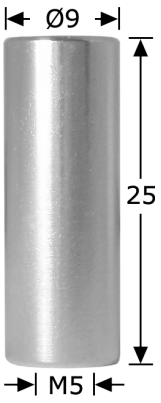


412M5D9BL25

Attachment for clips.

Old art. no: 945501
Size: Ø 9 x 25 mm
Thread: M5
Finish: Nickel plating
Rec. wire: Ø 1,0 - 1,5 mm

Also available with:
M6 (Art. no. 412M6D9BL25)



STANDARD PITCH IS USED, UNLESS OTHERWISE STATED.
PRODUCT INFORMATION MAY BE MODIFIED. FOR MORE DETAILS, PLEASE CONTACT OUR SALES OFFICE.

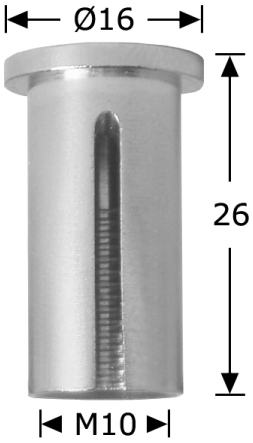
Attachments

412M10M6BL26U

Ceiling attachment with slit.
For gripper 9-33MM10.

Old art. no: 948605
Size: Ø 16 x 26 mm
Thread: M6, M10 x 1
Finish: Nickel plating

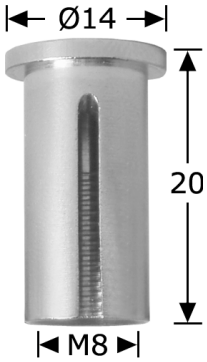
.



412M8M6BL20U

Ceiling attachment with slit for gripper 9-13R.

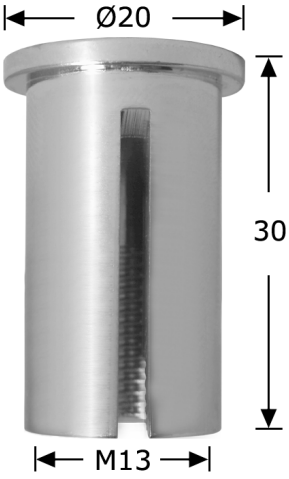
Old art. no: 948601
Size: Ø 14 x 20 mm
Thread: M6, M8 x 1
Finish: Nickel plating



412M13M6BL30U

Ceiling attachment with slit.
For gripper 9-73MM13.

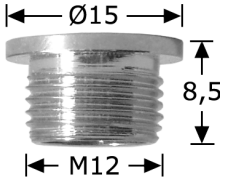
Old art. no: 948604
Size: Ø 20 x 30 mm
Thread: M6, M13 x 1
Finish: Nickel plating



412MM12M5BL9

Ceiling attachment.

Old art. no: 948001
Size: Ø 15 x 8,5 mm
Thread: M5, M12 x 1
Finish: Nickel plating

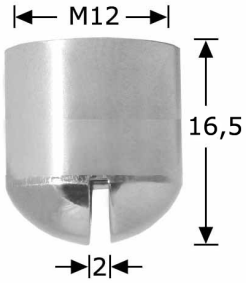


411M12BL17U

Cap with slit for 412MM12M5BL9.
Suitable for angled ceilings.

Size: Ø 15 x 16,5 mm
Thread: M12 x 1
Finish: Nickel plating
Rec. wire: Ø 1,0 - 1,5 mm

Also available with:
13,5 mm length
(Art. no. 411M10M6BL14U)

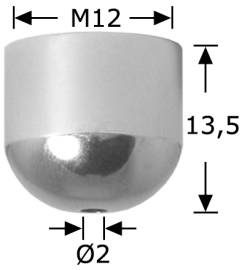


411M12BL14H

Cap for 412MM12M5BL9.

Old art. no: 968001
Size: Ø 15 x 13,5 mm
Thread: M12 x 1
Finish: Nickel plating
Rec. wire: Ø 1,0 - 1,5 mm

Also available with:
16,5 mm length
(Art. no. 411M12BL17H)



Attachments

412M13M6BL20

M13 ceiling attachment.

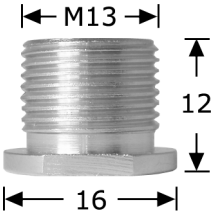
Old art. no: 945401
Size: Ø 20 x 20 mm
Thread: M6, M13 x 1
Finish: Nickel plating

Also available with:
30 mm length (Art. no. 412M13M6BL30)

411MM13BL12

M13 cap.

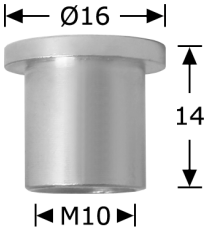
Old art. no: 968005
Size: 12 x 16 mm
Thread: M13 x 1
Finish: Nickel plating
Rec. wire: Ø 1,0 - 2,0 mm



412M10M6BL14

M10 ceiling attachment.

Old art. no: 948602
Size: Ø 16 x 14 mm
Thread: M6, M10 x 1
Finish: Nickel plating



411MM10BL10

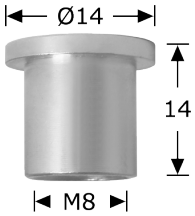
M10 cap.

Old art. no: 968004
Size: Ø 12 x 10 mm
Thread: M10 x 1
Finish: Nickel plating
Rec. wire: Ø 1,0 - 1,5 mm

412M8M6BL14

M8 ceiling attachment.

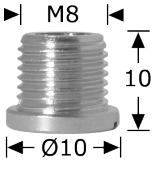
Old art. no: 948607
Size: Ø 14 x 14 mm
Thread: M6, M8 x 1
Finish: Nickel plating



411MM8BL10

M8 cap.

Old art. no: 968003
Size: Ø 10 x 10 mm
Thread: M8 x 1
Finish: Nickel plating
Rec. wire: Ø 1,0 - 1,5 mm



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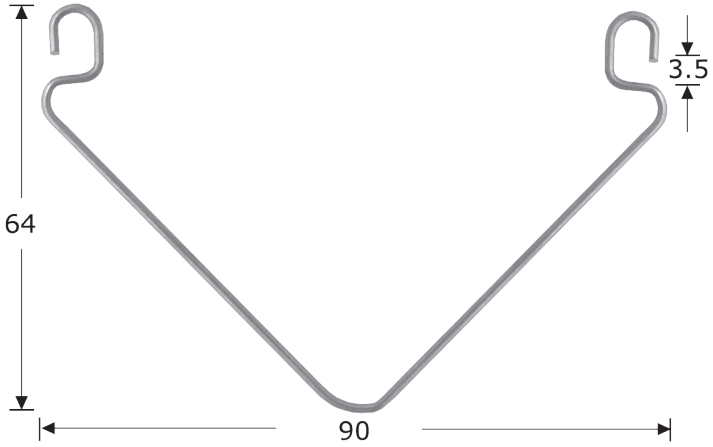
Accessories

4801

Spring steel bracket.

Length: 64 x 90 mm
Thickness: Ø 1,5 mm
Finish: Nickel plating

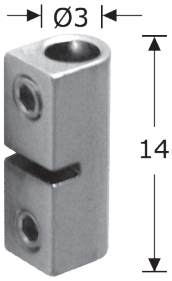


7801

Socket with M3 set screw.

Length: Ø 3 x 14 mm
Finish: Nickel plating

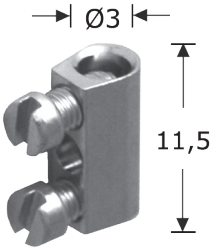
Also available with:
Hex key (Art. no. 796D1-5) for M3 set screw.



7802

Socket.

Length: Ø 3 x 11,5mm
Finish: Zinc plating

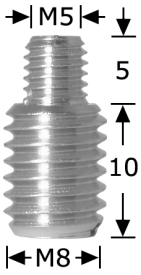


47M8M5BL15

Thread converter.

Old art. no: 965801
Length: 15 mm
Thread: M5, M8
Finish: Nickel plating

Also available with:
Various threads



726M6D10

M6 pitch 1 Nut.

Old art. no: 982002
Thread: M6
Finish: Nickel plating

Also available with:
M8 pitch 1 (Art. no. 726M8P1)
M10 pitch 1 (Art. no. 726M10P1)
M13 pitch 1 (Art. no. 726M13P1)

Accessories

9-4401

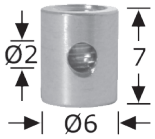
Lock with screw.

Old art. no: 934401
Size: Ø 5 x 7 mm
Finish: Nickel plating
Rec. wire: Ø 1,0 - 1,5 mm

9-4402

Lock with screw.

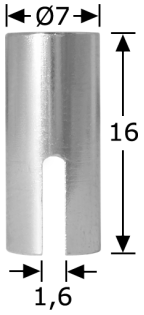
Old art. no: 934402
Size: Ø 6 x 7 mm
Finish: Nickel plating
Rec. wire: Ø 1,2 - 1,5 mm



46M5BD7BL16

Pipe with slit.

Old art. no: 939002
Size: Ø 7 x 16 mm
Thread: M5
Finish: Nickel plating
Rec. wire: Ø 1,0 - 1,5 mm



711MM5L7

Screw for 46M5BD7BL16.

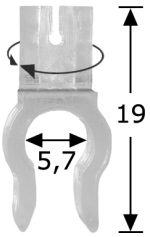
Old art. no: 965802
Size: Ø 7 x 12 mm
Thread: M5
Finish: Nickel plating

451260

Rotatable cable clip for Ø 1,2 mm wire.

Old art. no: 968202
Size: 19 x 9 mm
Finish: Transparent
Rec. wire: Ø 1,2 mm

Also available for:
Ø 1,0 mm wire (Art. no. 451060)

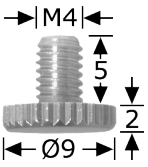


719MM4L5

T-screw.

Old art. no: 981005
Size: Ø 9 x 7 mm
Thread: M4
Finish: Nickel plated

Also available for:
M5 (Art. no. 719MM5L6)
M6 (Art. no. 719MM6L7)



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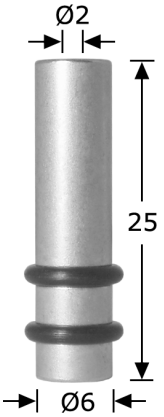
Accessories

44D6BL25AK

Pipe for pull switch.

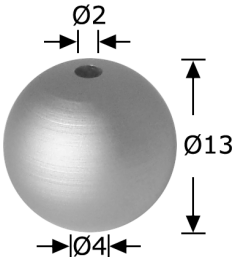
Old art. no: 966003
Size: Ø 6 x 25 mm
Finish: Matt plating



44D13HAK

Ball for pull switch.

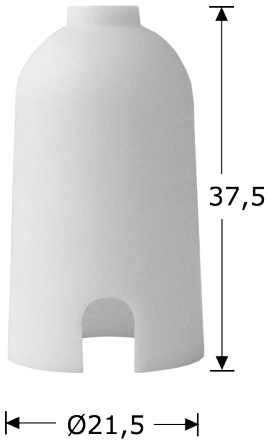
Old art. no: 966001
Size: Ø 13 mm
Finish: Matt plating



43D22BL38WK

Canopie (Baldachin)

Size: 21,5 x 37,5 mm
Material: Plastic
Colour: White

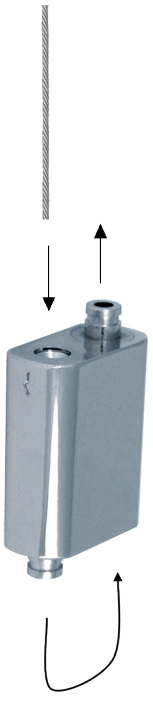


How to use

1

2

1



2

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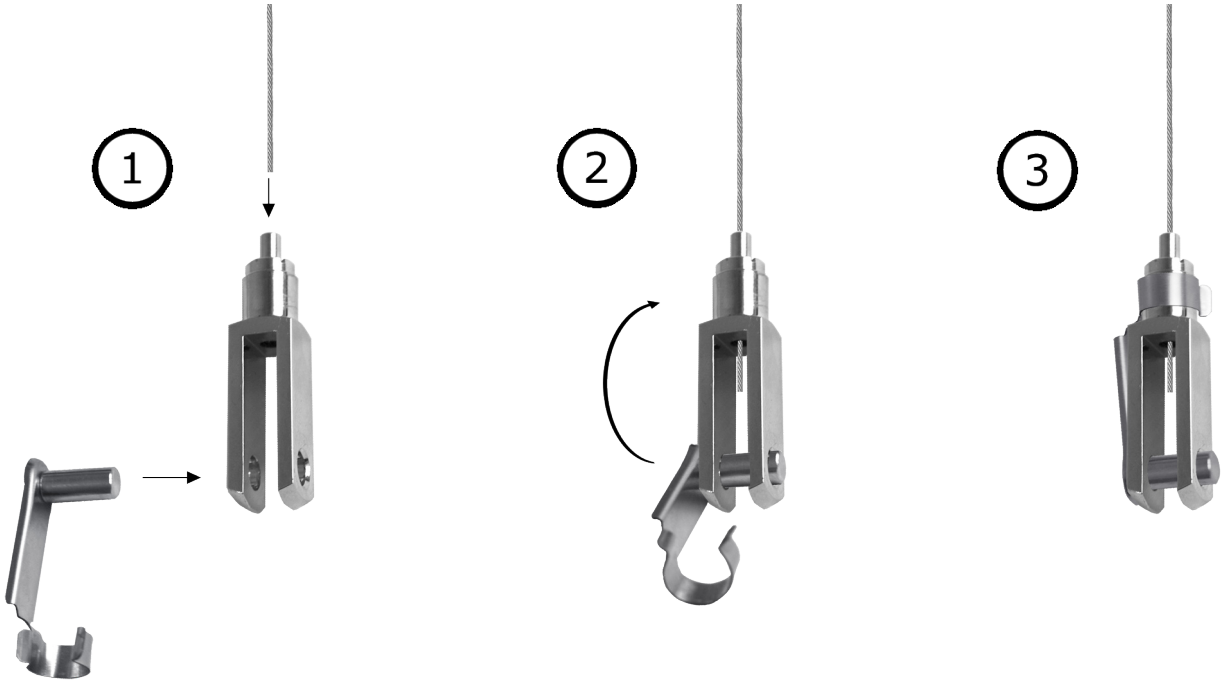
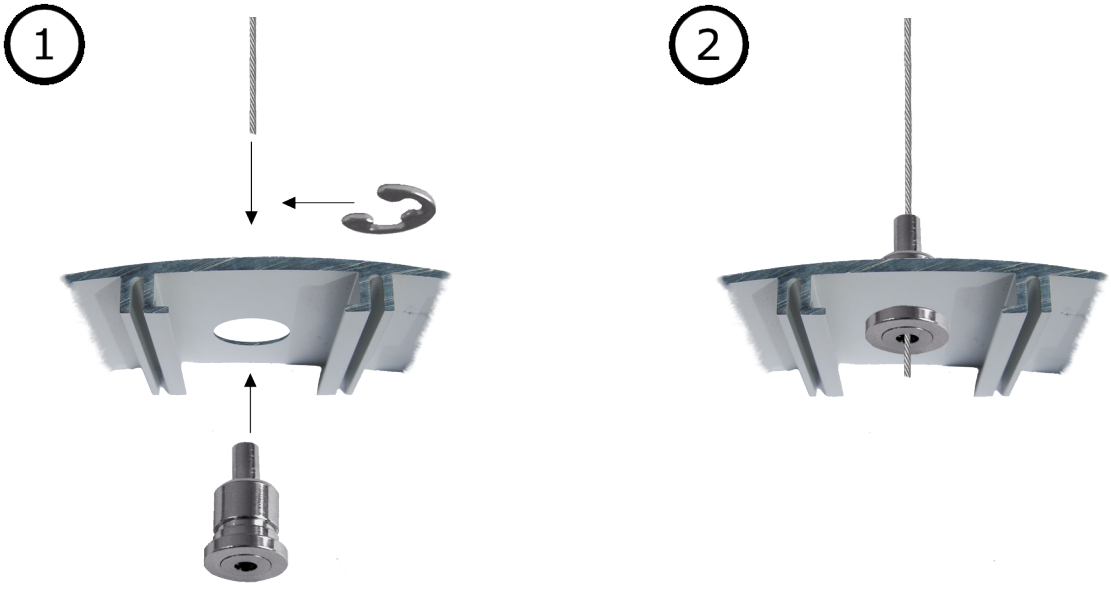
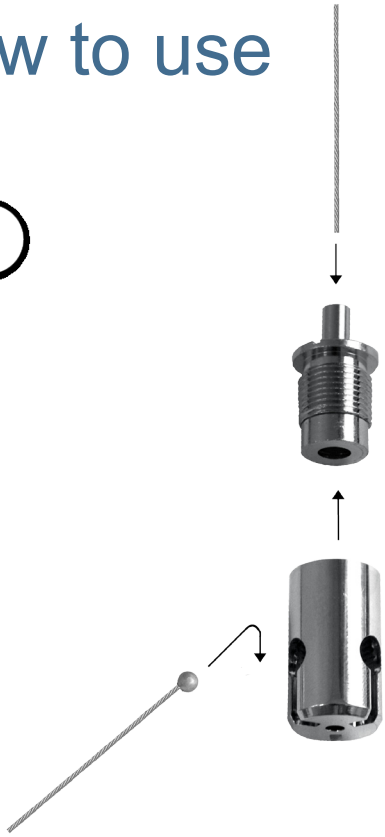
How to use



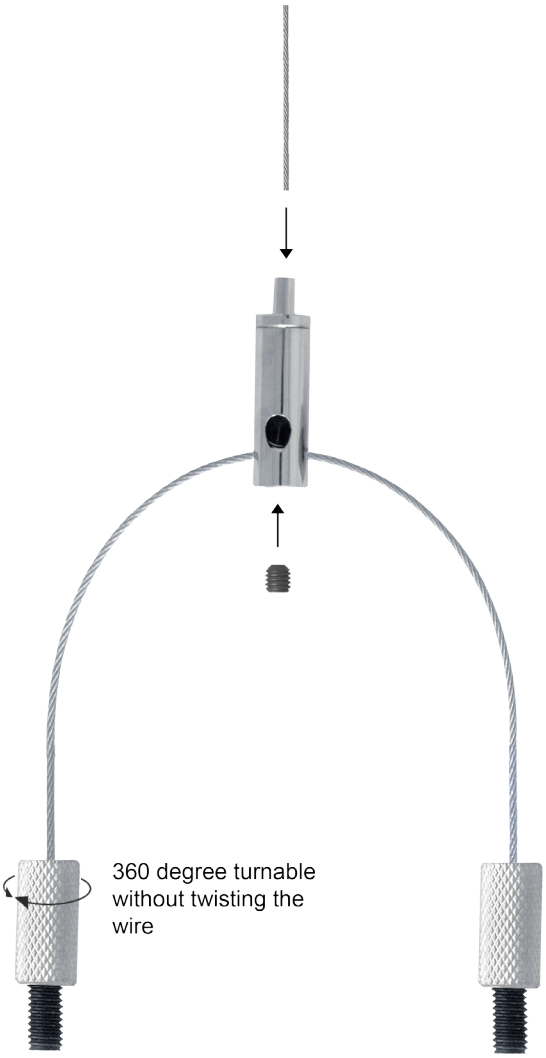


How to use

1



2



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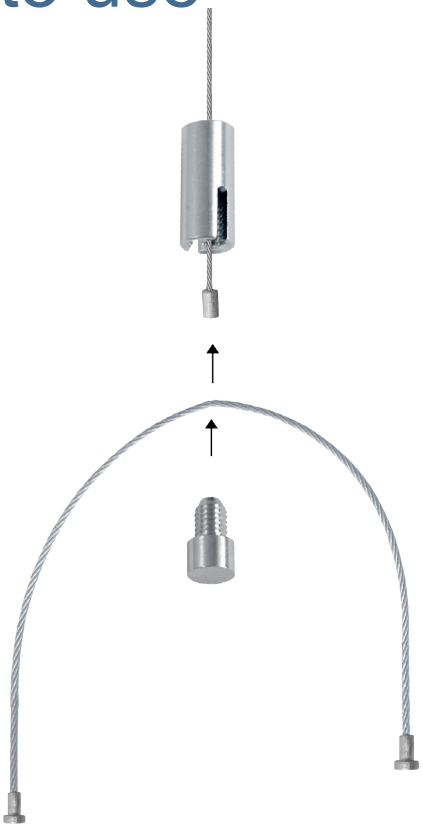
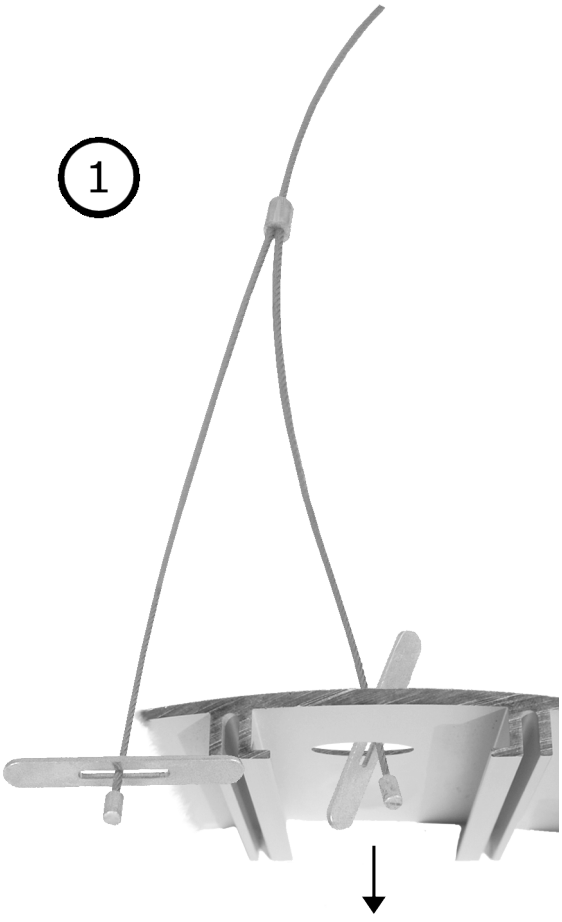
How to use

1



2

1



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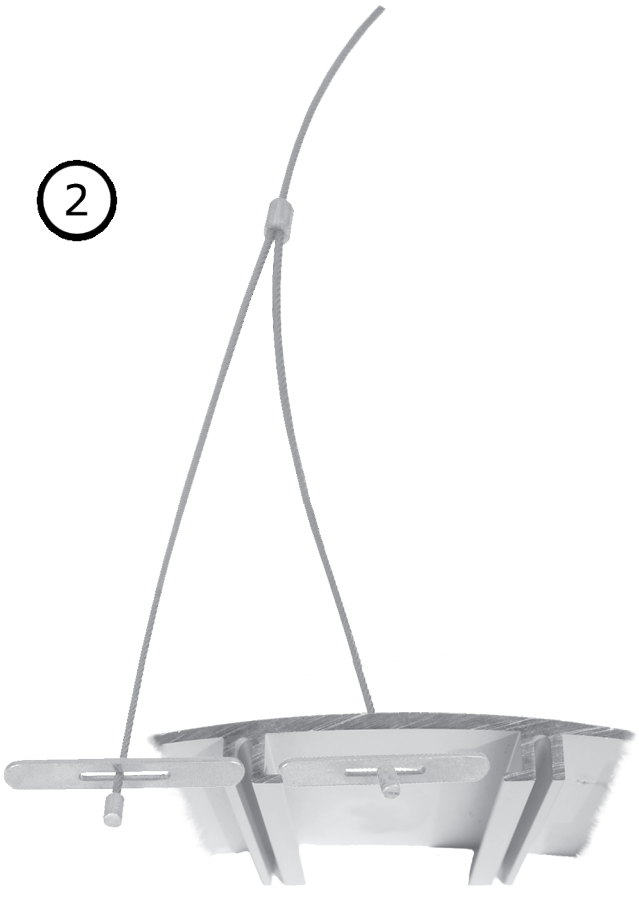

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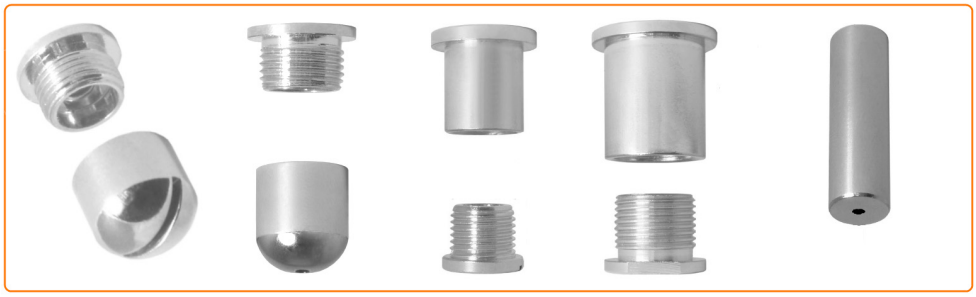
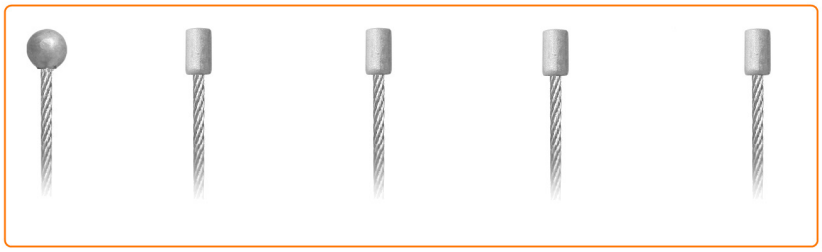
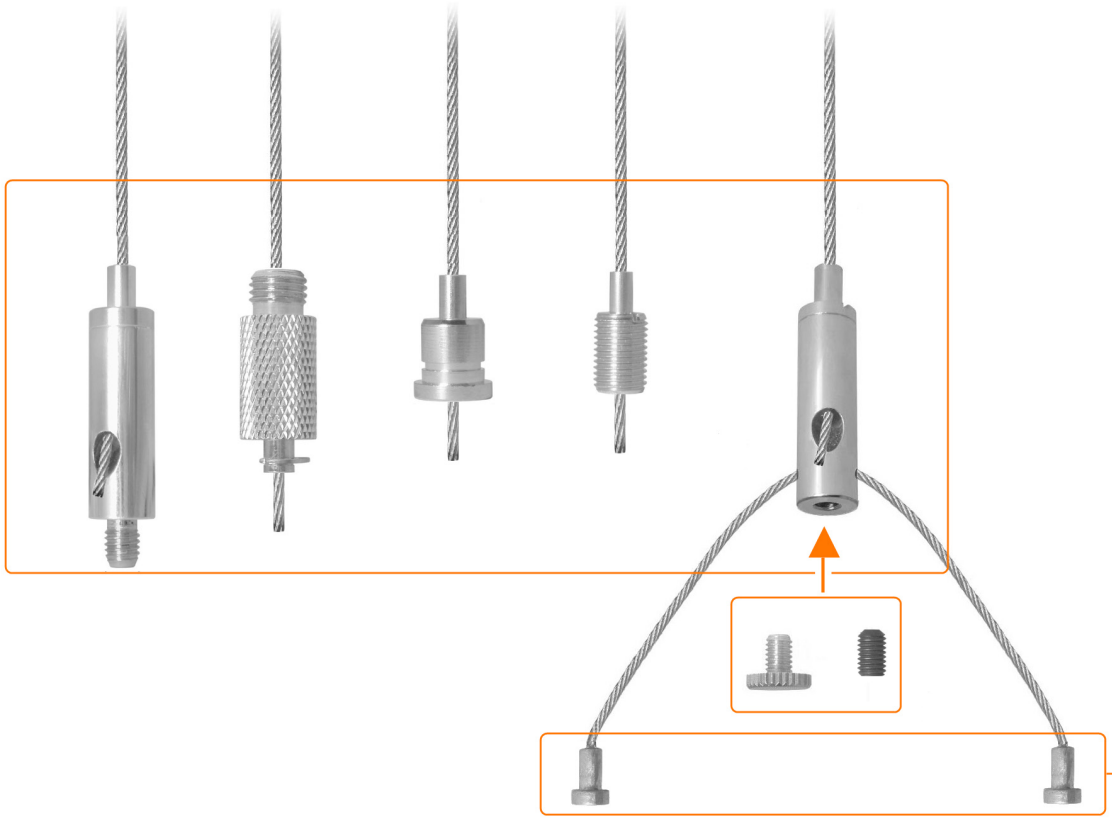
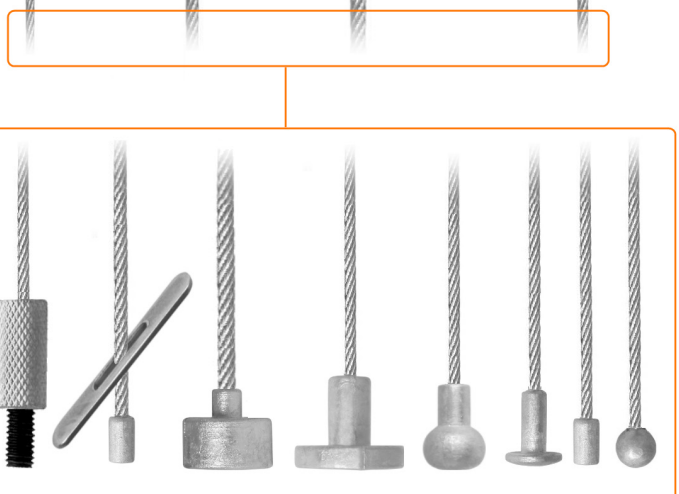
Overview

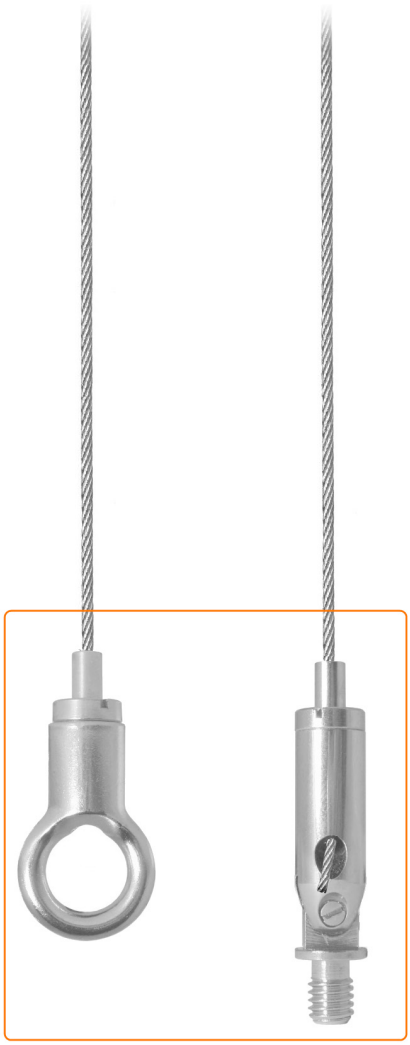






PRODUCT INFORMATION MAY BE MODIFIED. FOR MORE DETAILS, PLEASE CONTACT OUR SALES OFFICE.





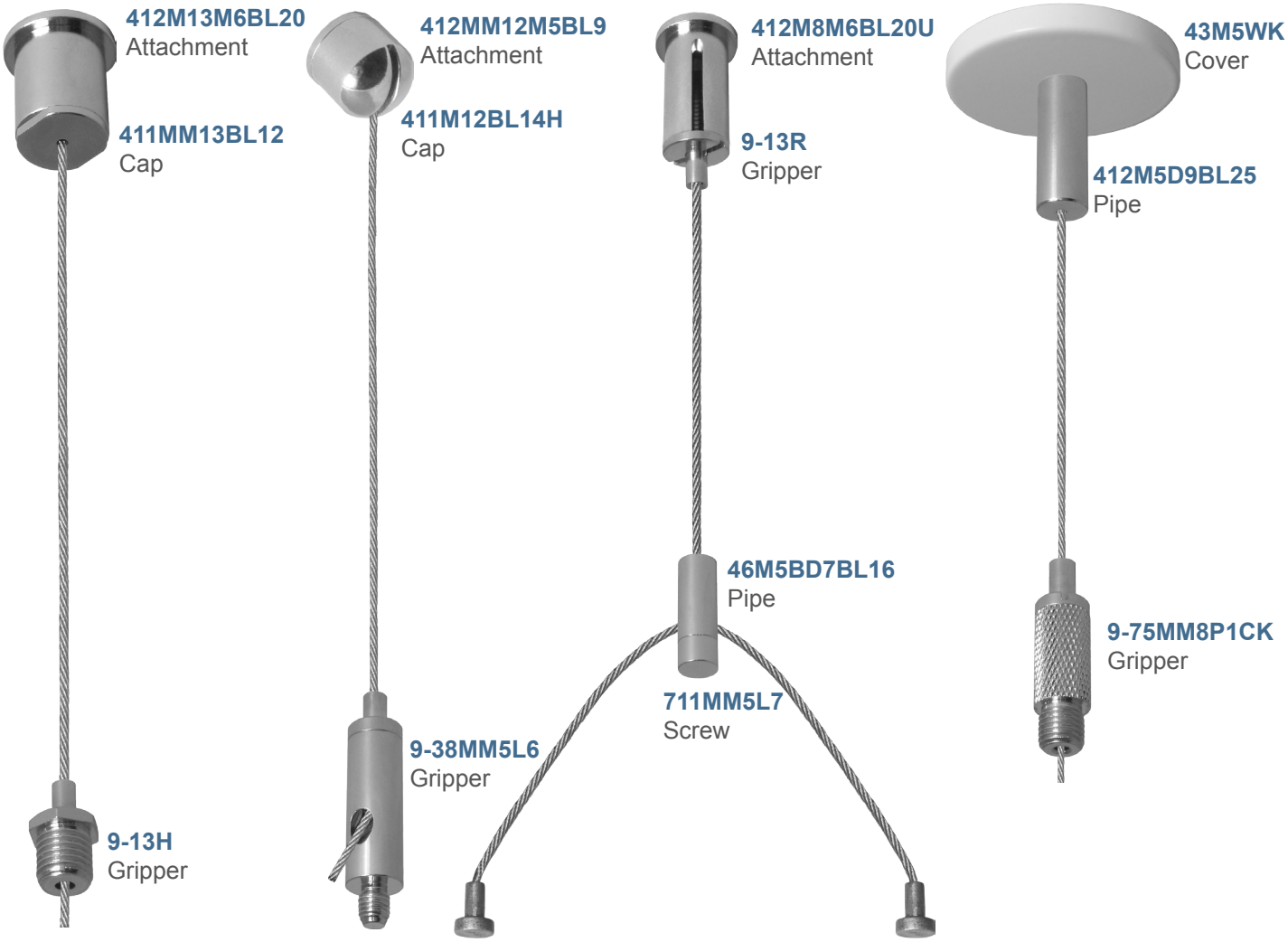
Kits

Custom made kits

We can make installation kits containing gripper, attachment, wire, accessories, installation instructions, etc.

Kits are supplied in welded plastic bags or zipper bags. Please contact us for further information.

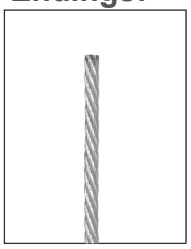
Kit installation examples



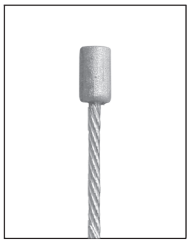
PRODUCT INFORMATION MAY BE MODIFIED. FOR MORE DETAILS, PLEASE CONTACT OUR SALES OFFICE.

Wires

Endings:

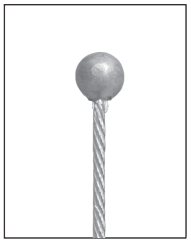


Free



Stopper

T



Ball

Hook

Loop & Ring

Available specifications

Materials :

Stainless steel
Zinc plated

Diameters :

Ø 1.0 mm
Ø 1.2 mm
Ø 1.5 mm
Ø 1.8 mm
Ø 2.0 mm
Custom specified

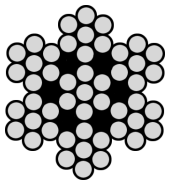
Lenghts :

- 500 mm
- 1000 mm
- 1500 mm
- 2000 mm
- Custom specified

How to cut the wire

You can cut the wire to a suitable length by using a sharp wire cutter.

After cutting, the wire end must be sealed, preferably by glueing or tinning.



7 x 7 interlaced

Please contact our sales office for more details regarding wires.

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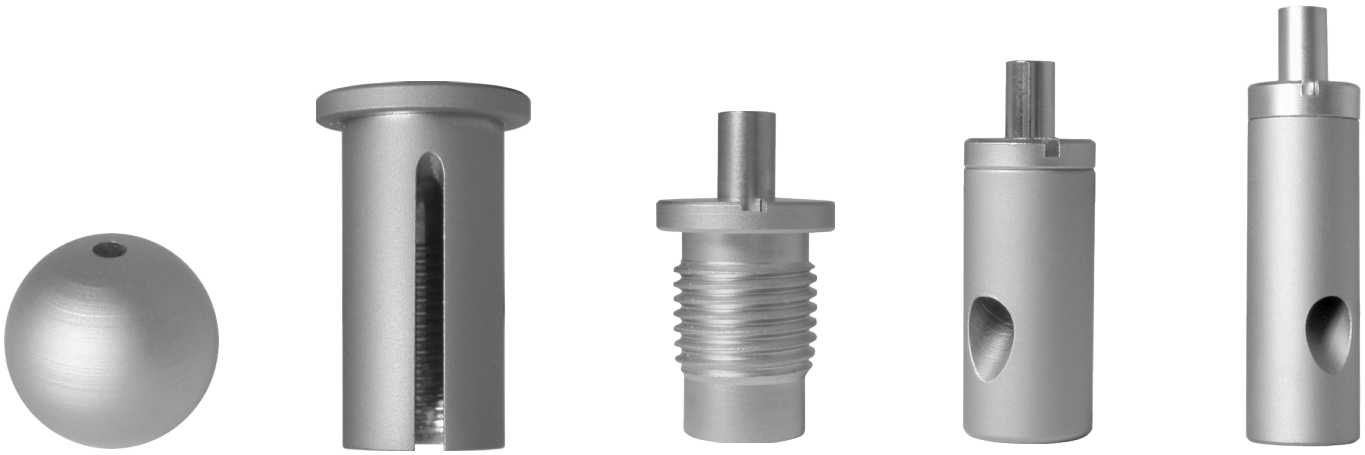
Aluminium look

Product examples

In addition to our standard nickel plated products, we can manufacture products with a matt nickel plated finish, which gives them a stylish aluminium look.



Note that the shades may vary from one product to another depending on shapes, surfaces and materials. Please contact our sales office for more information about matt nickel plated finish.

Technical

Weight Guidelines

Wire Diameter :
Each value shows the diameter of the wire.

Breaking Load :
Each value shows the weight when the wire/gripper combination breaks.

Recommended Load :
Each value shows 1/5 of the Breaking Load and are for guidelines only.

Wire Diameter	Breaking Load	Recommended Load
Ø 1.0 mm	40 kg	8 kg
Ø 1.2 mm	60 kg	12 kg
Ø 1.5 mm	90 kg	18 kg
Ø 2.0 mm	140 kg	28 kg

The table shows results using the right gripper suited for each one of the diameters.
Improper installation and wrong choice of components may give undesirable results.

Test Reports

Our tests are conducted with original Alem Teknik products. We can supply you with test report documents.

We have a well implemented quality control system, and take full responsibility for our products.

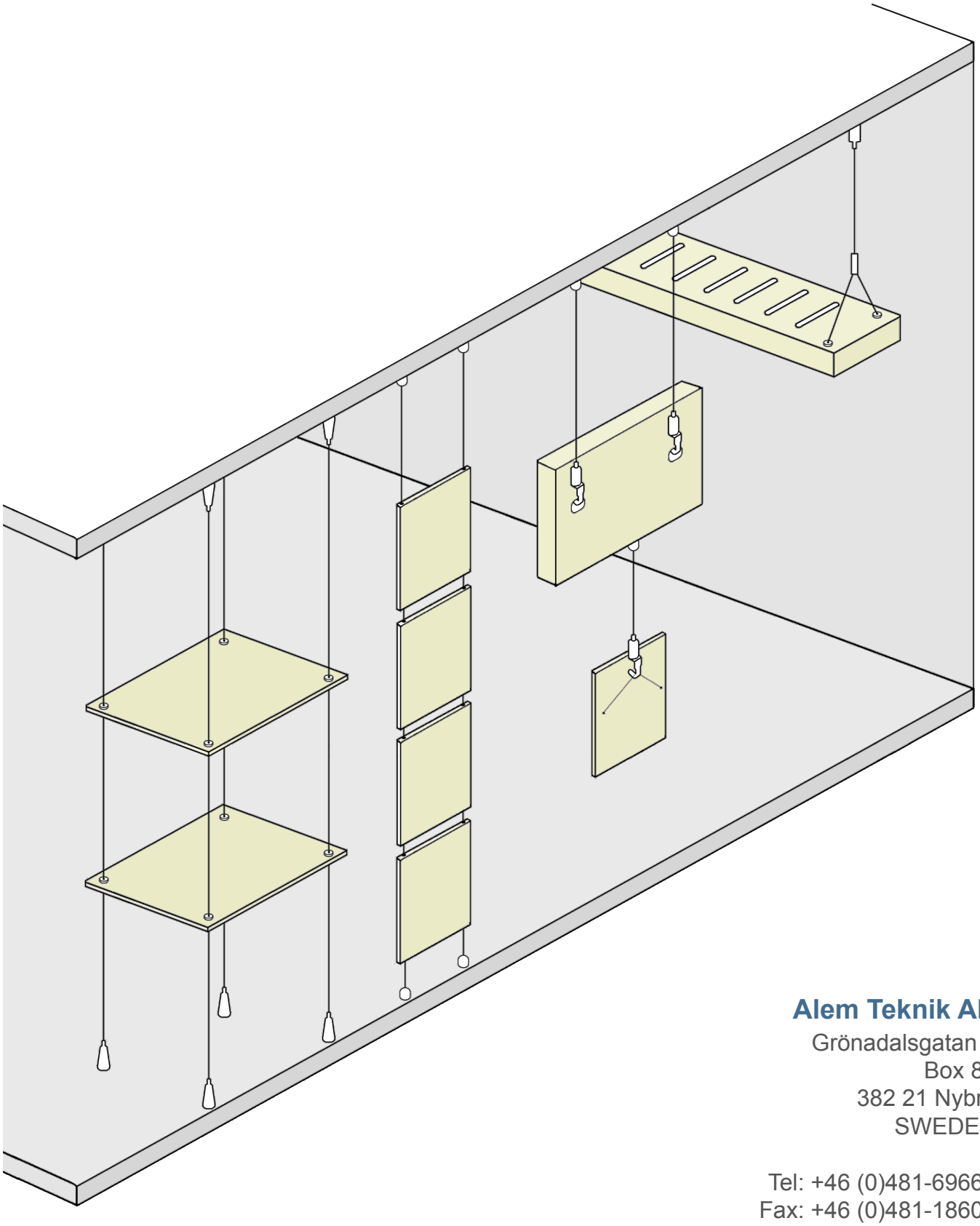
Technical Support

Contact our technicians if you need technical advice or support when using our suspension systems.

Caution

Beware of the risk for electrical shock when the wire enters an electrical appliance
Any attempt to manipulate the gripper mechanism voids all our liabilities
Impulses and vibrations can considerably reduce the total strength
Keep oils/fats away from the wire and grippers
Do not paint or coat the wire or grippers
Dust and small particles can clog the gripper mechanism
Combining other products with original Alem Teknik products voids our responsibility

Suspension Systems



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