

TECHNICAL SPECIFICATIONS & INSTALLATION INSTRUCTIONS INSTRUCTIONS FOR USE

Installation instructions NOT-EN-108

CONEKT ADAPTERS

Version: March 20, 2023

CONEKT ADAPTERS

1. INTRODUCTION

The concept behind this range of adapters is to provide solutions for the maximum number of configurations without the need for custom manufacturing. Therefore, the range of adapters will be expanded based on the most frequently encountered situations.

It is not possible to cover all the possible applications of this set of components in the instruction guide. However, the most common ones will be presented in this document.

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2. OVERVIEW OF COMPONENTS

DOUBLE CLAMP

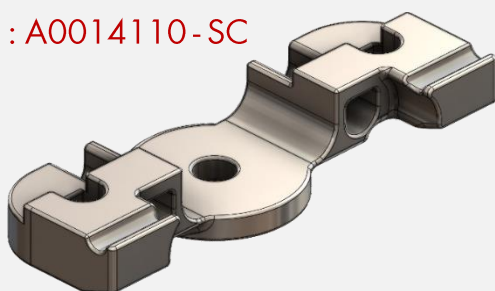
REF.NO. : A0014108 - CRA



Double clamp in galvanized steel, with 2 M12 screws, 80 mm long. The double clamp is designed to "pinch" metal profile flanges ranging from 3 mm to 25 mm thick. The clamp features a toothed grip to improve slip resistance.

CLAMP SUPPORT

REF. NO. : A0014110 - SC



This part is used with the CONEKT double clamp to "pinch" the flange of a metal profile. This set can be combined with a diabolo, an articulation, or an extension system.

To clamp onto an IPN beam, 2 CONEKT clamps and 2 clamp supports are required. The clamp supports are fastened with 2 M12 screws...

ARTICULATION Ø 60MM

REF : A0014107 - AR



The CONEKT articulation compensates for the slope of a roof when installing lifeline anchor supports.

It is possible, if necessary, to separate the articulation to obtain a half-articulation. In order to be able to use the 2 parts separately, it is then necessary to provide additional screws : 1 screw M12X40 + 1 nut HM12 + 1 grower washer + 4 flat washers.

Here are a few examples of possible uses :



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DIABOLO EXTENDER JOINT

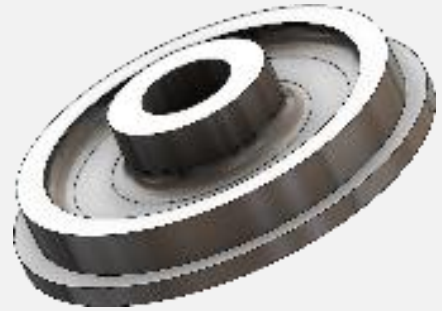
REF. NO. : A0014106 - AD



The CONEKT diabolo extends the lifeline component by 100 mm. It must be used to install a CONEKT energy absorber or tensioner on ICZ (zinc) or ICJD (standing-seam) roof interfaces.

END CAP FOR EXTENSION TUBE

REF. NO.: A0014109 - SR

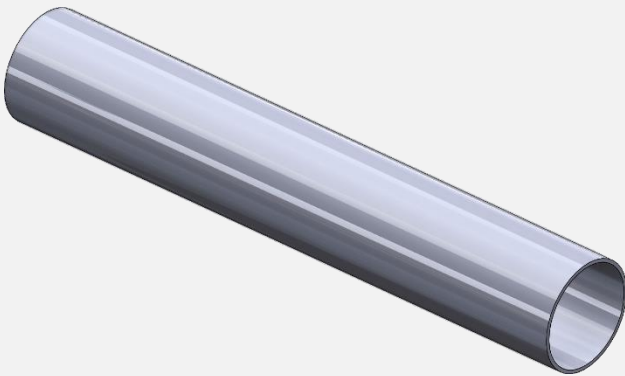


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The extension tube end cap is used to "seal" the 60*3 mm aluminum tube. CONEKT U channel supports for clamps.

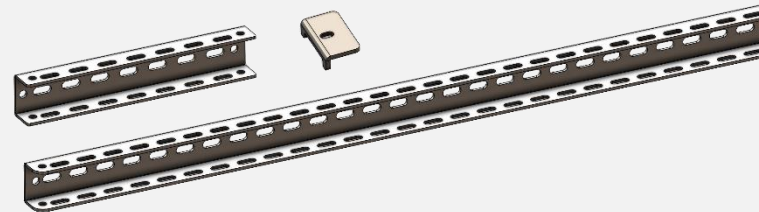
CUSTOM Ø60 MM EXTENSION TUBE

REF. NO.: A0014112 - TCONEKT



The extension tube consists of a 60 mm aluminum tube, 3 mm thick. It can be fastened to CONEKT clamp supports or articulations using an M12 threaded rod.

REF. NO.: BRIDE1500, BRIDE400, BRIDEC



Perforated U channel system for M12 screws and associated clamps. These U-profiles can be used for strapping supports, but also for clamping onto metal profiles.

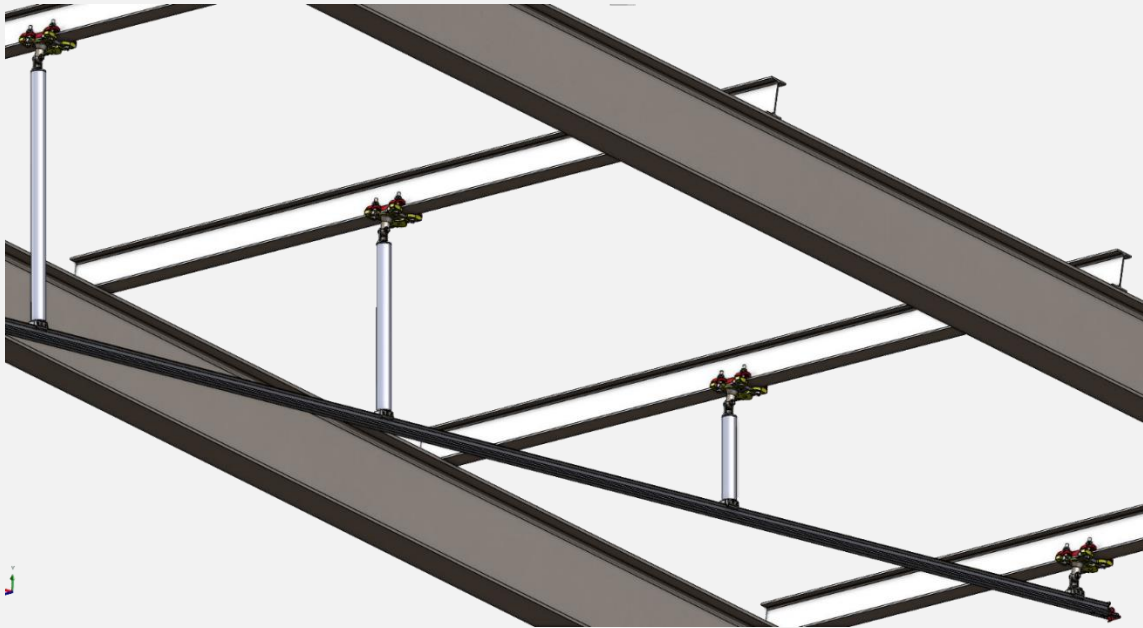
They can be used with other types of adapters, such as articulations and extensions.

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3. Installation example :

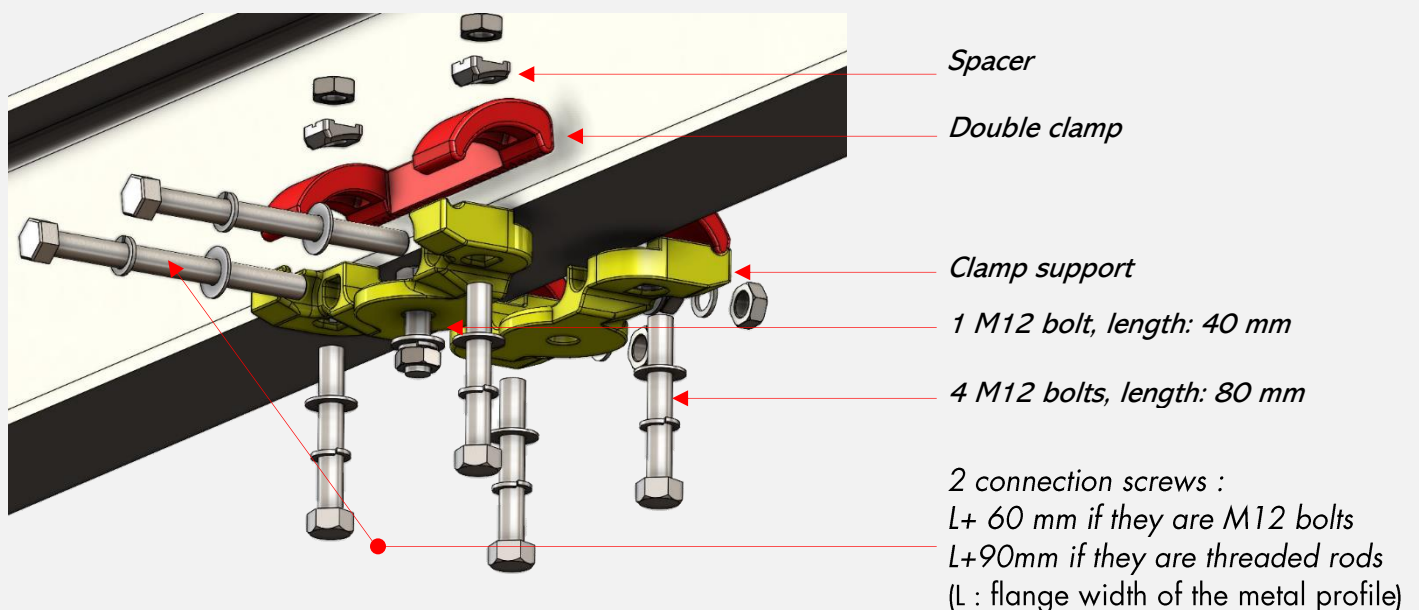
a. Rail system clamped on traditional structural frame

The system allows the fixing of a CONEKT rail or cable lifeline onto a structural frame by clamping with the CRA + SC (clamp and clamp support) system, compensating for the angle with the intermediate AR articulation and reaching the rail level with the TConekt + SR extension system:



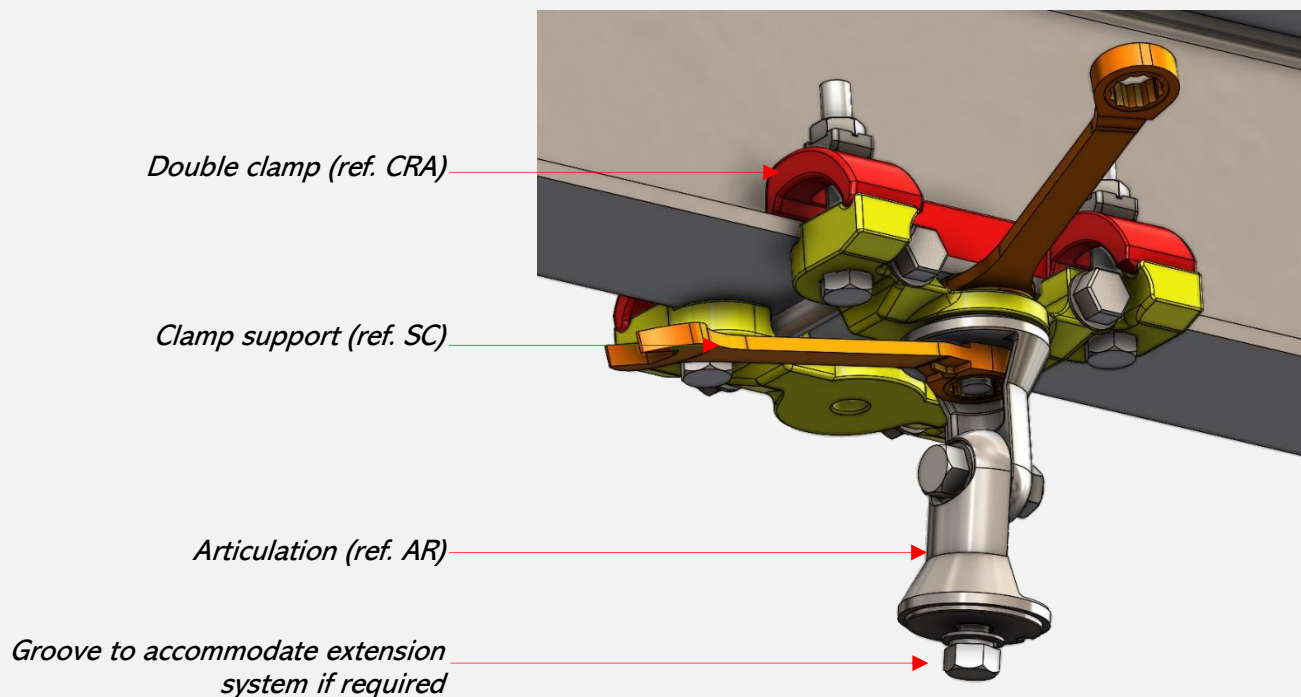
The system is clamped using 4 M12 screws, 80 mm long, and 2 connection screws between the clamp supports (yellow). The connection screws must measure $L + 60$ mm if they are M12 bolts or $L + 90$ mm if they are threaded rods. L is the flange width of the metal profile.

This system fits flanges from 3 to 25 mm thick and from 60 mm to 500 mm wide. A 40 mm M12 screw must be used to fasten the lifeline support.



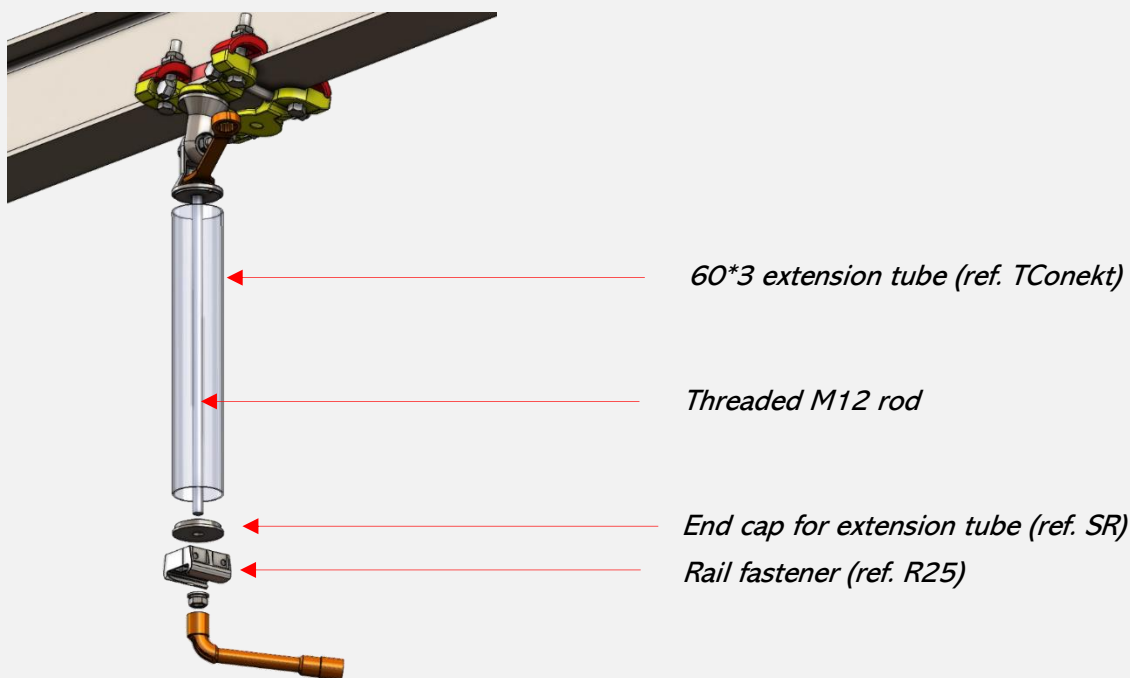
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The articulation system can be installed under the clamp support, to compensate for angles in the structural frame.



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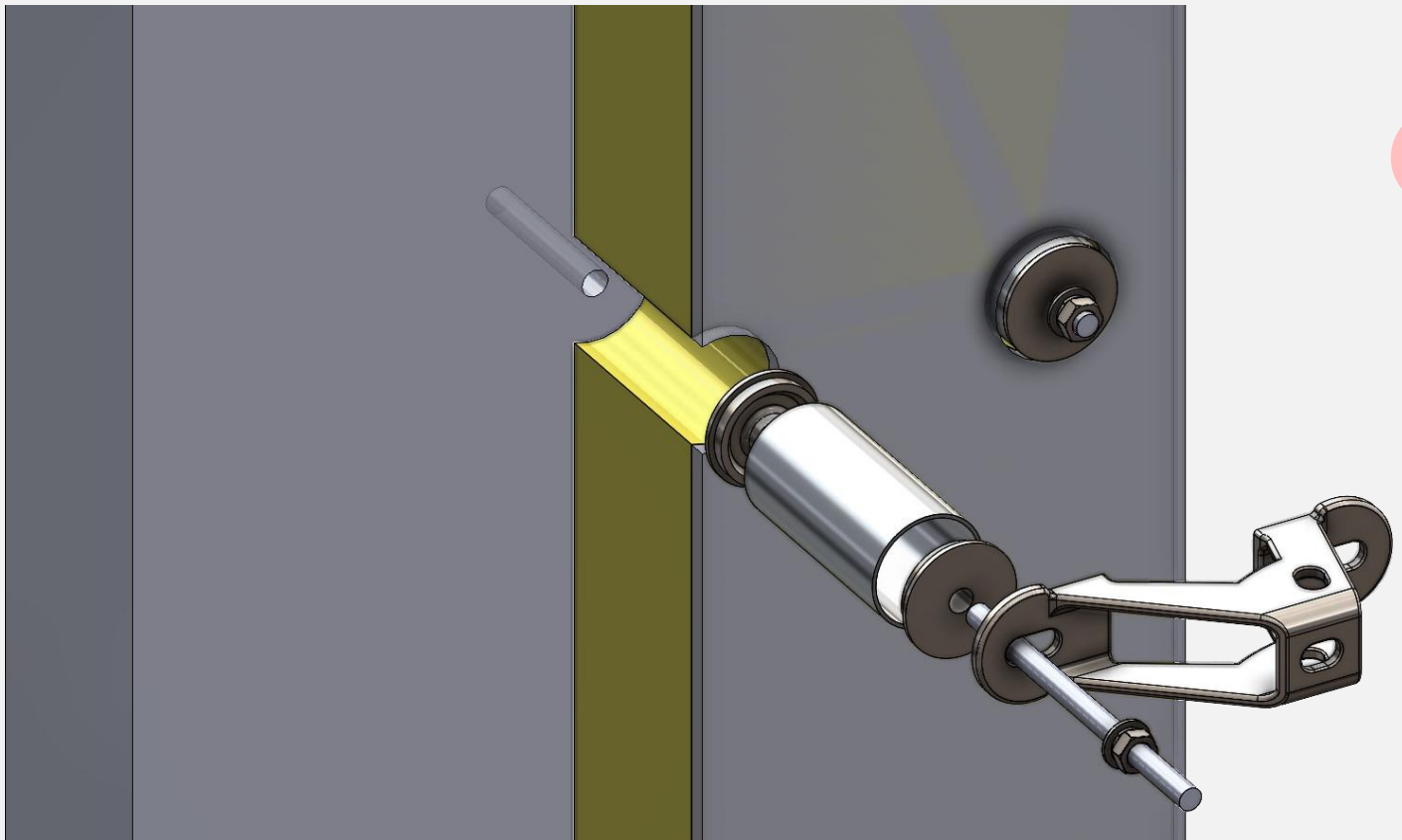
The extension system consisting of a 60*3 aluminum tube, an M12 threaded rod and an SR extension bracket makes it possible to reach the rail level. The threaded rod must measure the length of the tube + 50 mm:



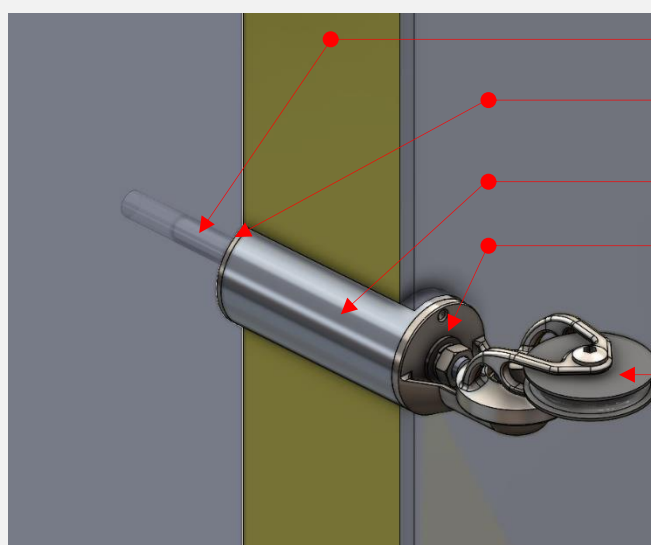
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b. Wall spacer system

This system compensates for external wall insulation. In this assembly, the articulation piece can also be used as a bracket:



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Threaded M12 rod

End cap for extension tube (Ref. SR)

*60*3 mm aluminum tube (Ref. TConekt)*

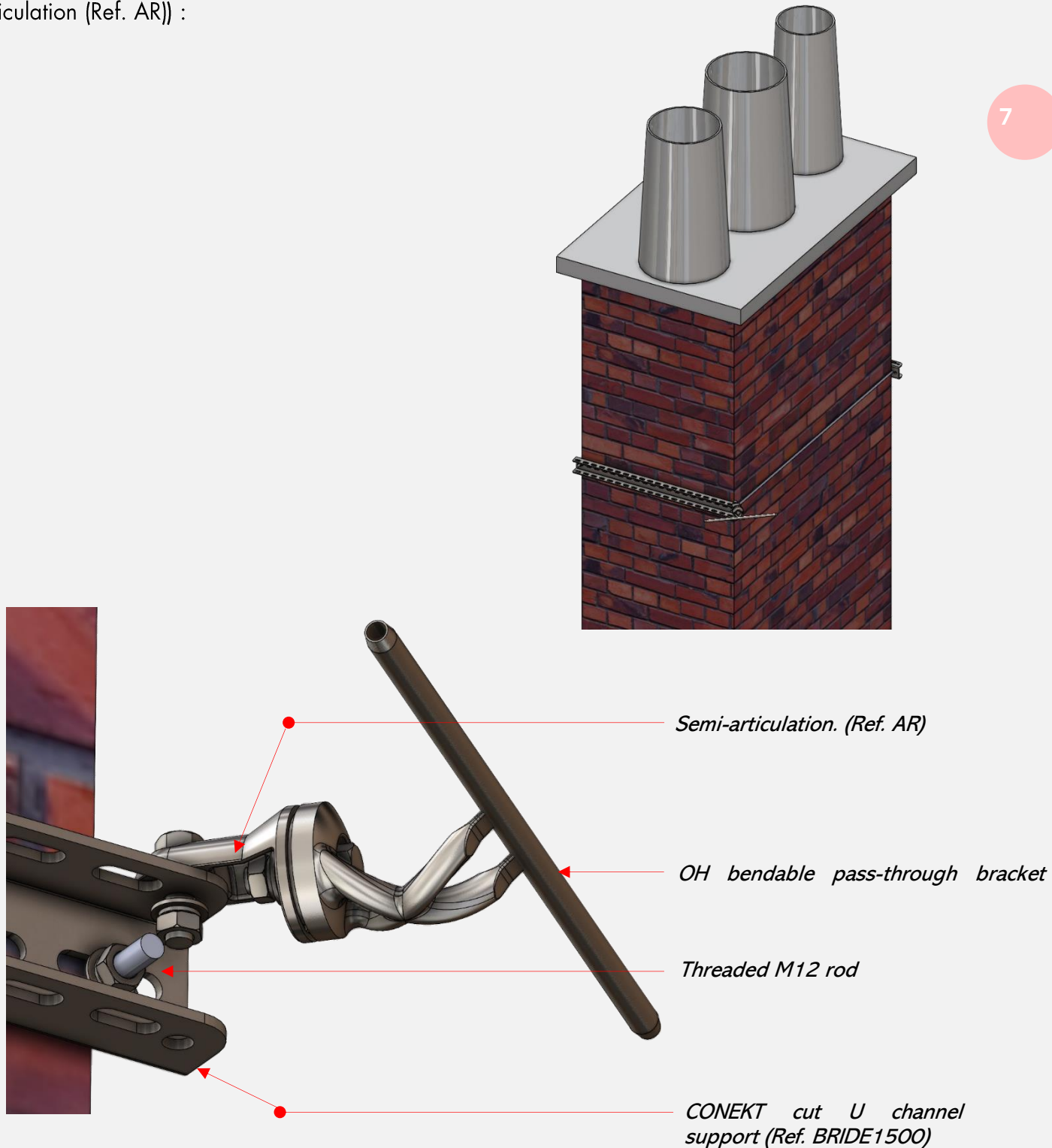
Semi-articulation. (Ref. AR)

Standard angle piece

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c. Fixing of clamping system to a concrete beam or chimney :

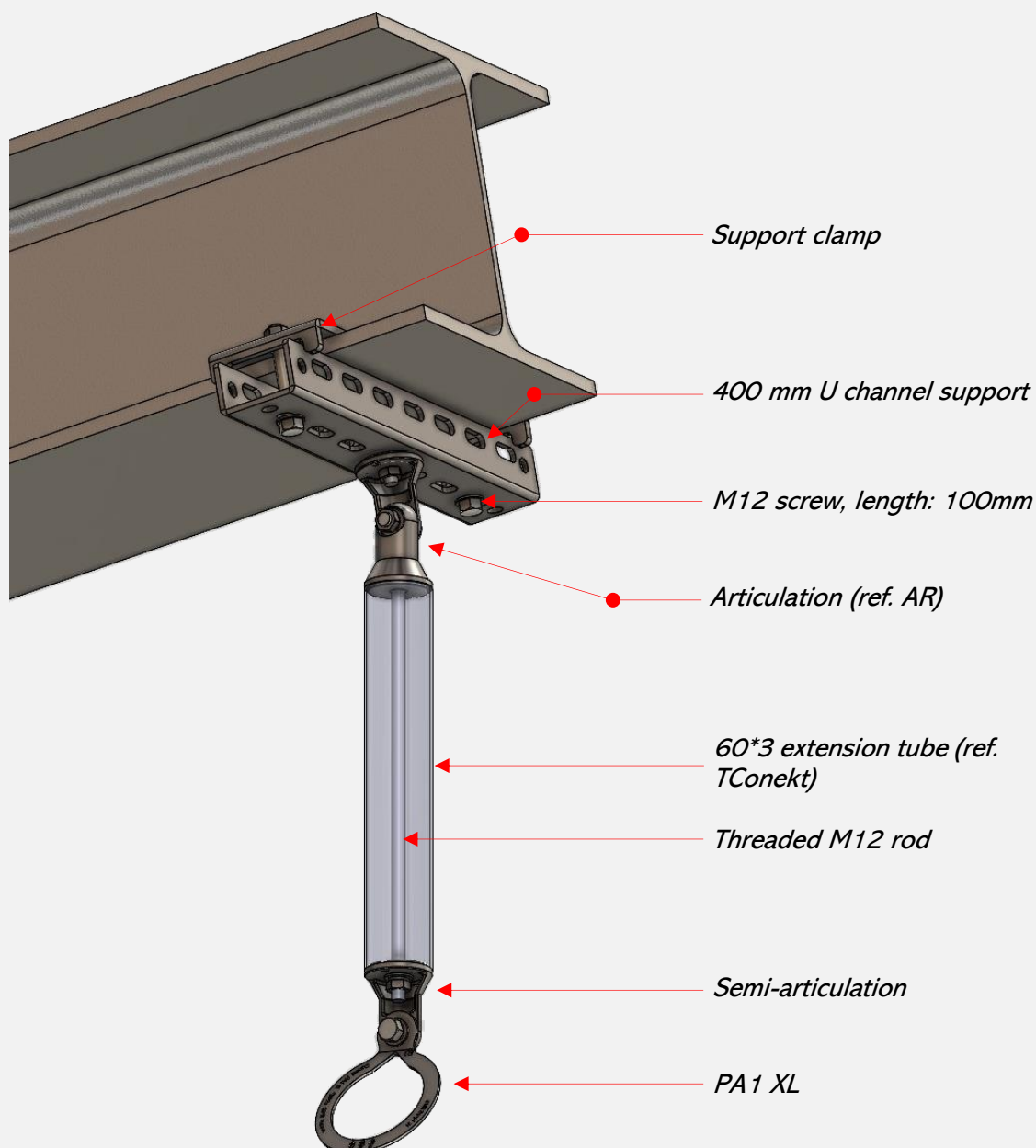
The design allows the attachment of a lifeline to a beam or support that has no flanges (like the HEA) to clamp. These clamping systems can also accommodate other adapters (Diabolo (Ref. AD), an extension system and an articulation (Ref. AR)) :



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d. Clamping on HEA of a PA1 XL anchor point

The U channels can also be used as clamping brackets with special clamps and M12 screws (100 mm long). In this example, an articulation, an extension tube and a semi-articulation for a PA1 XL anchor point have been attached:

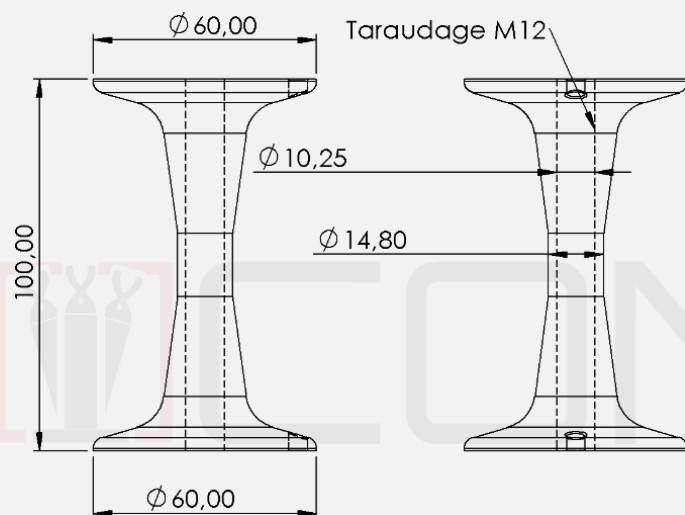


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4. PRODUCT DATA SHEETS

DIABOLO EXTENDER JOINT

Reference no.: A0014106 - AD



Description: The diabolo permits the attachment of an absorber or tensioner from the CONEKT range onto ICJD (standing-seam), ICZ (zinc) or ICA (aluminum) roof-mounted interfaces.

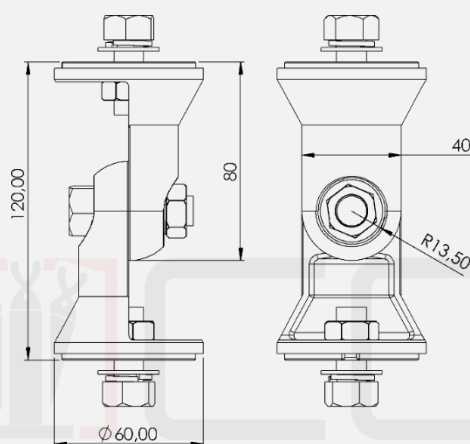
It can also be used as a mini-post on metal deck roofs when combined with the PB2 base plate.



Composition:	E24 steel
Finish:	Hot-dip galvanizing.
Section and length:	D = 60mm, H = 100 mm.
Breaking strength:	>2000 daN
Weight:	450 g

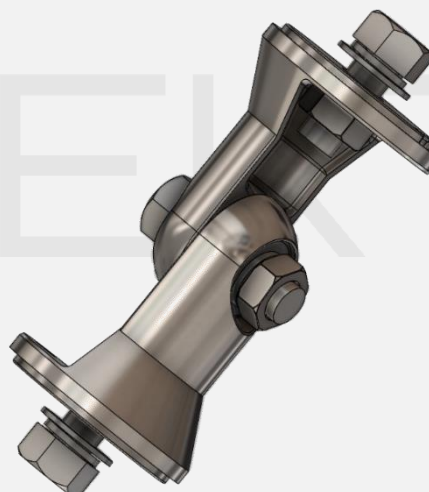
ARTICULATION Ø60 MM

Reference no.: A0014107 - AR



Description: The articulation is used to compensate for angles when securing CONEKT lifelines to the structural frame.

It is possible, if necessary, to separate the articulation to obtain a half- articulation. In order to be able to use the 2 parts separately, it is then necessary to provide additional screws : 1 screw M12X40 + 1 nut HM12 + 1 grower washer + 4 flat washers.

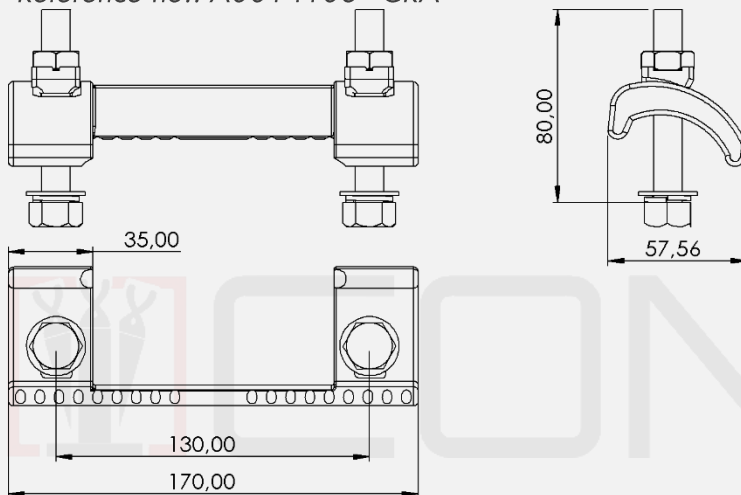


Composition:	E24 steel
Finish:	Hot-dip galvanizing.
Section and length:	D = 60 mm, H = 120 mm.
Breaking strength:	At the axis: > 2000 daN At the bracket: >2000 daN
Weight:	950 g

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DOUBLE CLAMP

Reference no.: A0014108 - CRA

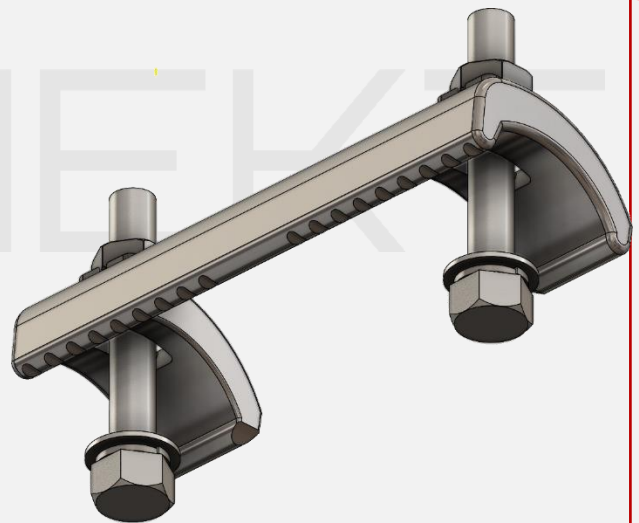


Composition:	E24 steel
Finish:	Hot-dip galvanizing.
Strength with clamp support:	Tensile strength: >2000 daN Slip resistance (per pair): > 2000 daN
Weight:	750 g

Description: The CONEKT double clamp can be used directly on standard or custom posts.

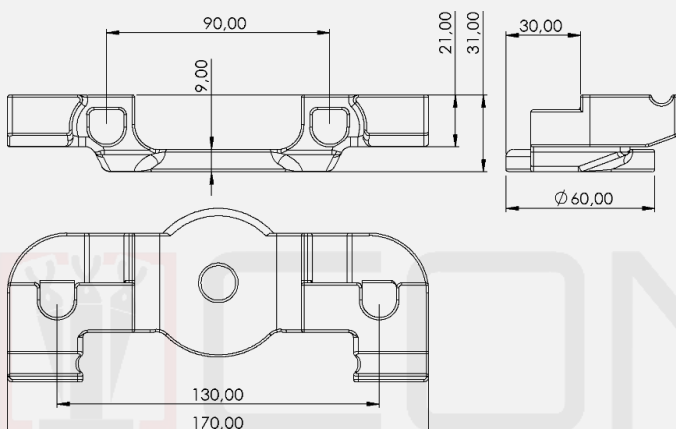
It has also been designed for mounting with clamp supports.

It is used to "pinch" the flanges of metal beams ranging from 3 mm to 25 mm thick.



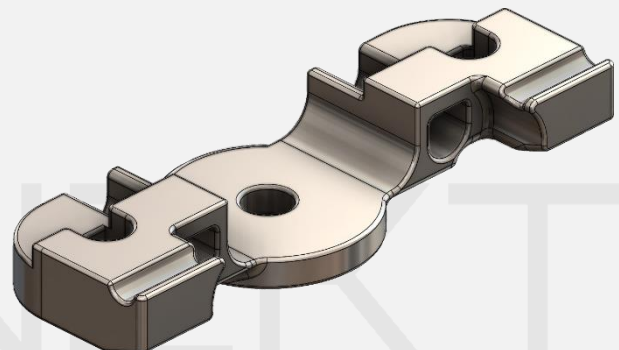
CLAMP SUPPORT

Reference no.: A0014110 - SC



Composition:	E24 steel
Finish:	Hot-dip galvanizing.
Strength with clamp:	Tensile strength: >2000 daN Slip resistance (per pair): > 2000 daN
Weight:	750 g

Description: the clamp support is used with the CONEKT double clamp. It allows CONEKT lifelines to be easily mounted on any type of I-beam or H-beam profile.



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Ø60 MM TUBE AND CA

Reference nos.: A0014112 - TConekt and A0014109 - SR

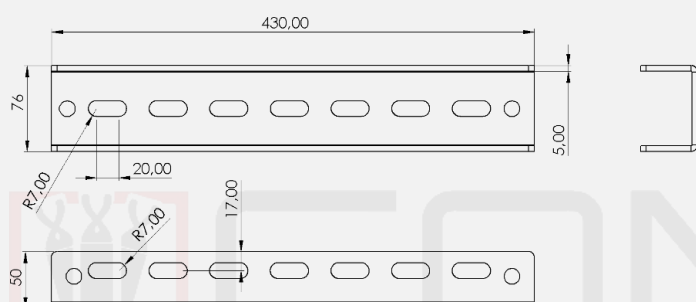


*Description: the 60*3 mm aluminum profile extension tube can be used to compensate for the slope of a roof or as a spacer bar. It can be combined with the SR "Extension Support" adapter or with a semi-articulation.*

Composition:	Aluminum tube, SR extension support in steel
Finish:	Hot-dip galvanizing.
Hardware:	M12 stainless steel threaded rod
Strength:	> 2000 daN tensile strength
Weight:	1 kg / ml

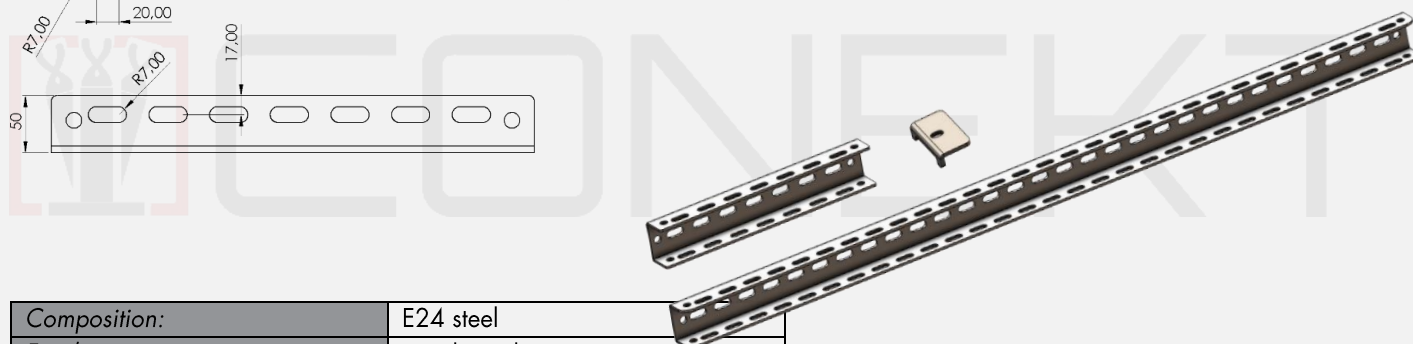
U CHANNEL SUPPORT

Reference : UConekt



Description: The CONEKT U channel support system is ideal for strapping beams with a closed profile.

It can also be used with flange clamps as a support on metal I-beam or H-beam sections.



Composition:	E24 steel
Finish:	Hot-dip galvanizing.
Hardware:	M12, 100 mm in length, for clamping
Weight:	6 kg / ml