CHEMOLLI FIRE® Systems

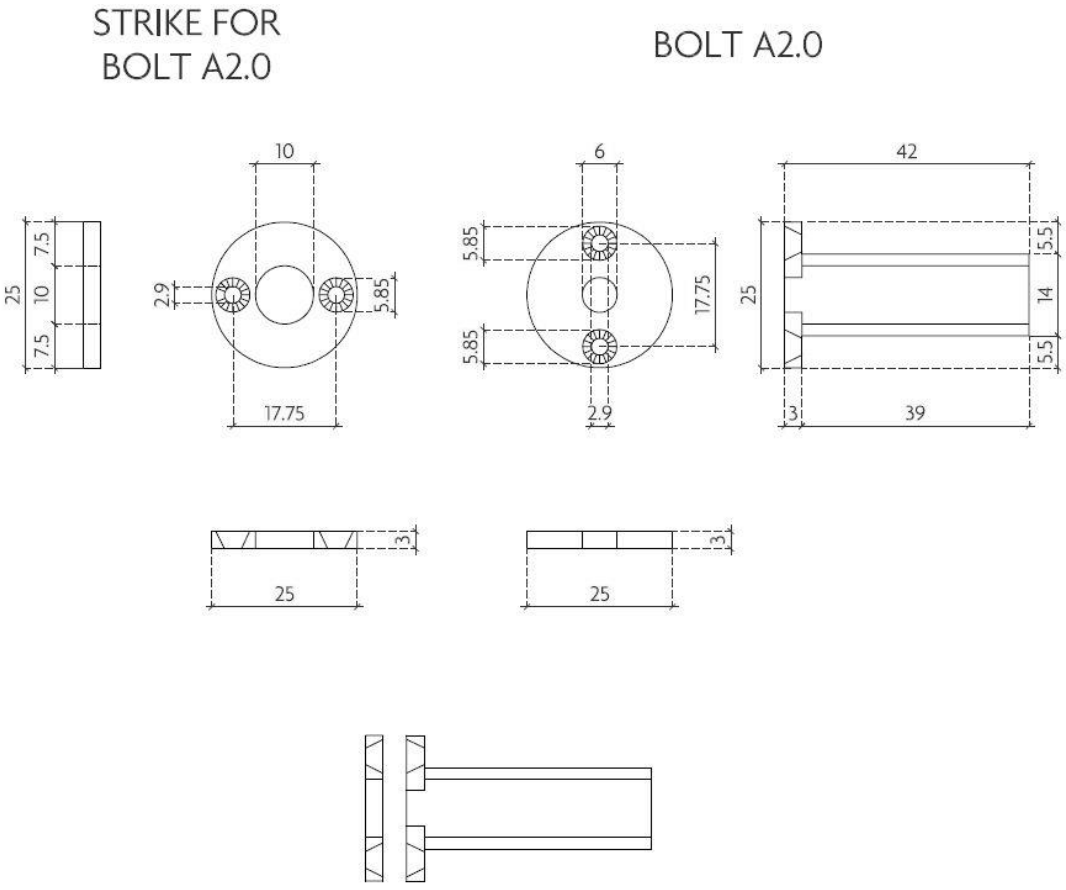
TECHNICAL DATA SHEET

CHEMOLLI-FIREBOLT A2.0 LONG

PRODUCT DESCRIPTION

Active bolt for fire resistance doors to eliminate deformation of the point where it is installed, between leaf and frame, leaf and leaf, leaf and support. Galvanised metal cylindrical body in one piece machined from a solid part, dimensions 14x52 mm, fixing flange 25x3 mm. Conical metal sealing pin, variable diameter from 5 to 3 mm, length 27.5 mm, stroke 23 mm. Spring in internal compression with 25N thrust, with operating temperature up to 540°C, heating element to be installed if necessary. Weight of the device, complete with striker 51 grams. Thermo-fuse element with ignition temperature of 82°C. Thermo-fusibile optional of 110°C.

DIMENSIONS AND ENCUMBRANCES



Pic. 1
Quoted scheme

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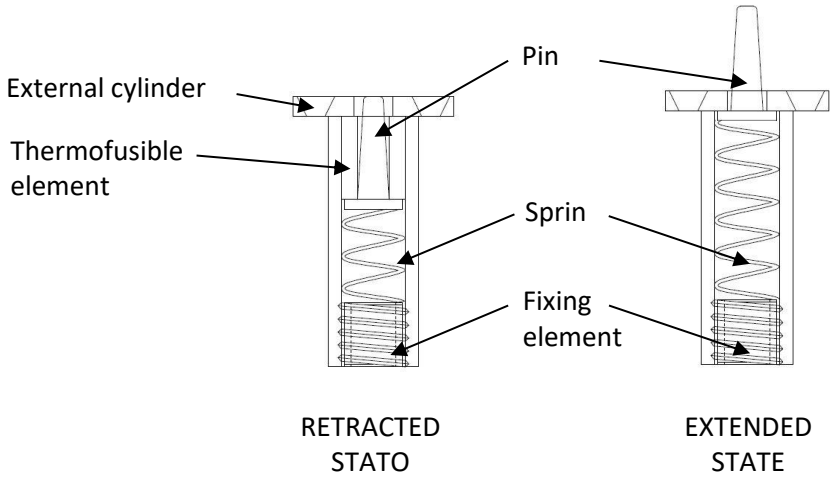
Albo Artigiani
Sezione speciale – nr.57818

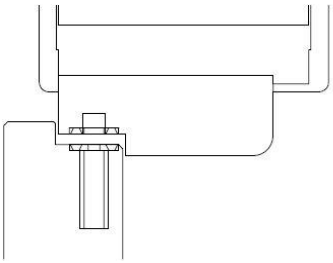
SECTION WITH COMPONENTS IDENTIFICATION



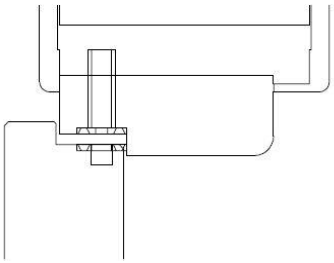
Pic. 2
Detail

POSSIBLE POSITIONING – WITHOUT HEATING ELEMENT

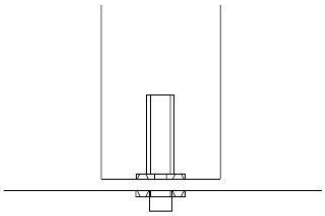
Leaf installation with strike on the frame



Frame installation with strike on leaf



Leaf installation with strike on support or second leaf



Pic. 3A
Installation positions

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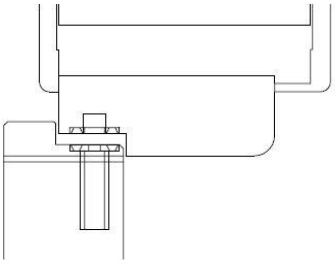
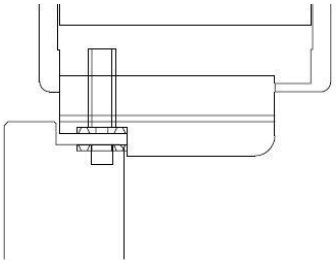
POSSIBLE POSITIONING – WITH HEATING ELEMENT

If it is necessary to transmit the temperature more quickly to the CHEMOLLI-FIREBOLT A2.0 LONG device, it is possible to use a metal heating element to be placed in support of the thermo-fuse element. For example, a 5 mm diameter steel bar.

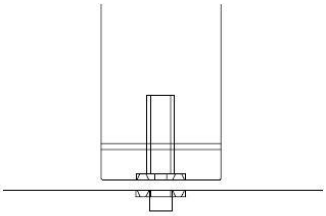
Leaf installation with strike on the frame



Frame installation with strike on leaf



Leaf installation with strike on support or second leaf



Pic. 3B
Installation positions

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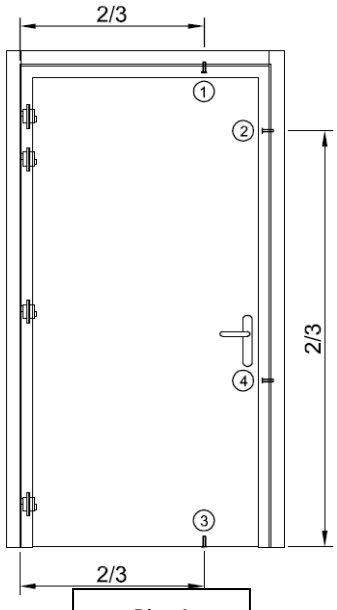
POSITIONING TIPS

It is recommended to position the CHEMOLLI-FIREBOLT A2.0 LONG device in points subject to deformation due to the distance from constraints such as hinges, fixed bolts, locks and other restraint devices. Also evaluate the tightness of the constraints during the resistance test, as some of these, such as hinges, may give way during the test. The exact positioning should be studied according to the characteristics of the lock and its fire behaviour. If necessary, CHEMOLLI FIRE can advise you on possible positioning after analysis. It is also possible to use several CHEMOLLI-FIREBOLT A2.0 LONG devices inside the same closure.
It is necessary to position the CHEMOLLI-FIREBOLT A2.0 LONG device and the relative strike in parts of the closure that guarantee the correct seating for the entire duration of the resistance test. The failure of the support on which the CHEMOLLI-FIREBOLT A2.0 LONG device is installed, or its strike corresponds to the failure of the device. The perfect centring of the strike must also be guaranteed (in some cases it may be advisable to countersink or widen the striker hole), also evaluating the manner and timing of deformation of the closure. If the closure deforms a great deal, it may be advisable to move the striker towards the deformation or to widen or flared the hole.
It is advisable to position the CHEMOLLI-FIREBOLT A2.0 LONG device or its strike on a closing portion that can also be removed from the outside so as to allow the device to be opened or quickly removed if it is in an extended position constrained by the strike (for example in the case of closing tests). It is not recommended to position it at the end of the edge but a few tens of centimetres back because the deformation of the end is much greater and could lead to the device not being hooked.
Here are some examples for positioning:

a) POSITION 1: particularly reccomended
b) POSITION 2: reccomended
c) POSITION 3: usually not very useful on closures of acceptable size, it could be on closures that are very deformed or on very large closures.
d) POSITION 4: typically of little use if the lock is not a "roller" type lock

It is possible to use the CHEMOLLI-FIREBOLT A2.0 device instead of the fixed bolt on the hinge side, if the type of closure and hinges require it.



Pic. 4
Front view

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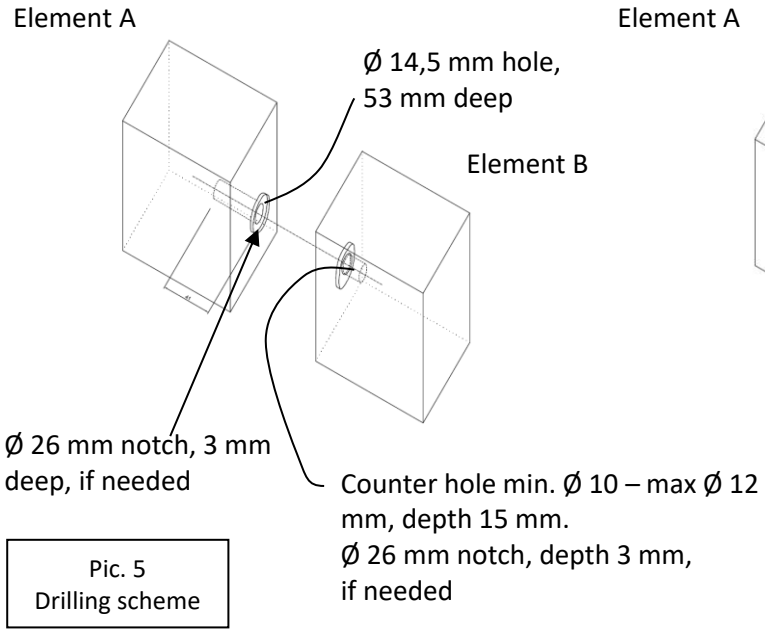
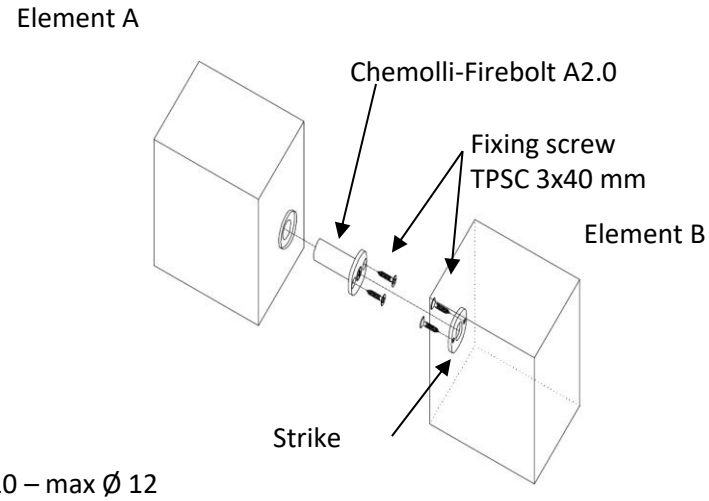
INSTALLATION INSTRUCTIONS

DRILLING SCHEME



Pic. 5
Drilling scheme

INSTALLATION SCHEME



Pic. 6
Installation scheme

Given the different positioning possibilities, as shown in figure 3, follow pic. 5-6 for installation. Element A is the element on which the CHEMOLLI-FIREBOLT A2.0 LONG device will be housed. Element B is the element on which the retention counter-hole must be made. It is always advisable to arrange the device and the striker in such a way that the screws are aligned with the direction in which the leaf will deform to prevent any wear on the support from causing both screws to yield at the same time..

Follow the drilling pattern shown in picture 5 for element A. Fasten the CHEMOLLI-FIREBOLT A2.0 device with two screws, e.g. for a wooden closure chipboard screws TPSC 3x40.
Drill a hole in correspondence to the axis of the CHEMOLLI-FIREBOLT A2.0 LONG device on element B, according to the drilling pattern shown in picture 5 (see recommendations for positioning) and fix the striker with suitable screws. For wooden closures where even the support (frame, leaf) is subject to wear, it is advisable to increase the length of the screws to bind to the false frame if foreseen.

FINAL NOTES:

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The company reserves the right to make changes and modifications to the device and to this document at any time and without notice.

LIMITED WARRANTY CONDITIONS

The CHEMOLLI-FIREBOLT A2.0 device is subject to the legal guarantee in force. A guarantee seal with the serial number of the device is affixed to the device. Warranty exclusions: it is forbidden to alter, break or remove the warranty seal; alter, modify, the device components; make any adjustments or adjustments to the device components. The warranty is limited in any case to the replacement of the device and not to any further damage that may occur after installation or to compensation for damages in the event of failure to function. Any complaints must be made after requesting a return merchandise coupon to be sent by e-mail to info@chemollifire.com, indicating the details of the supply and the sender's contact details: the methods for handling the complaint will then be communicated. The goods must be delivered to the manufacturer at the customer's expense. If a manufacturing defect is found, the device will be replaced by the manufacturer and the shipping costs of the replacement products will be at the manufacturer's care and expense.

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