

ARLU[®]
OPENING DOORS

**NEO HINGE
SOLUTIONS**





01 CONCEALED HINGES

5 Invisible® NEO

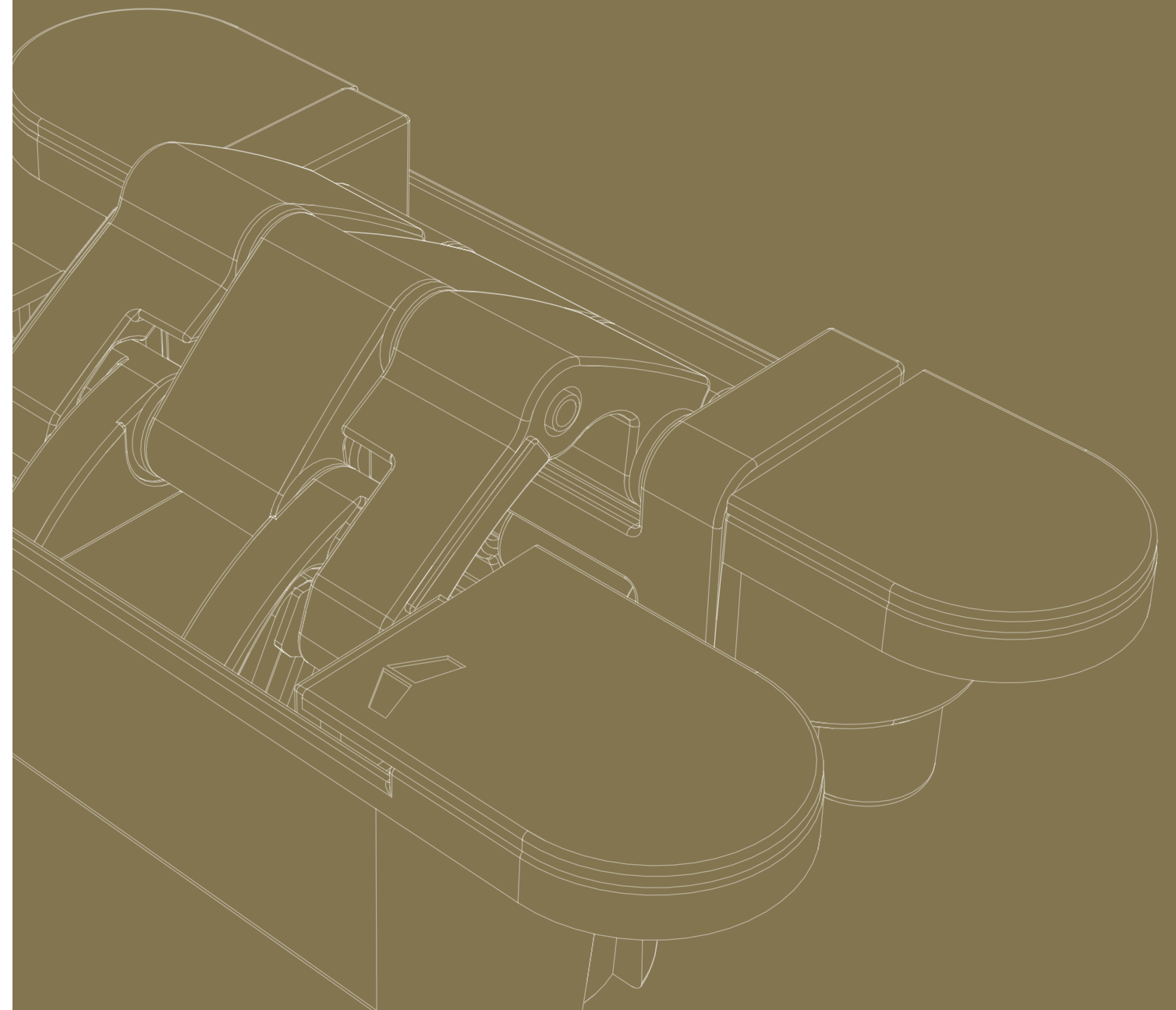
ARLU, THE REFERENCE FOR OPENING DOORS

ARLU is the leading reference in *opening doors*. With a strong focus on design, functionality and innovation, we craft architectural hardware that blends aesthetics with precision engineering. Our solutions are crafted to enhance both interior and exterior spaces, offering architects, designers, and builders the tools to realize their vision. From sleek, modern lines to solid, durable mechanisms, ARLU products embody quality and creativity. From stylish homes and offices to hotels and restaurants, our hardware opens more than just doors, it opens possibilities. Discover how ARLU redefines access and elevates every space with elegant and reliable door solutions.

01

CONCEALED HINGES

To integrate hinged interior doors aesthetically and seamlessly with the wall, the hinges are preferably concealed. Thanks to the patented concealed ARLU hinges, this is perfectly possible. When the door is closed, the hinges are completely concealed, while, when visible on the edge of the door leaf, they still retain a neat and high-quality appearance. Furthermore, their simple installation and adjustment are an added advantage for smooth and efficient fitting.





ARLU **INVISIBLE NEO**

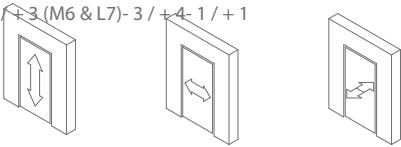
Invisible NEO is the invisible hinge design par excellence. Even when the rotating interior door is open, not a single screw is visible. The hinges, available in the formats S5, M6 and L7, can be mounted and adjusted quickly in three dimensions. This can be done by just one person, and the door does not need to be removed. Thanks to the simplified height adjustment, not even a wedge is needed any more. They can be used for doors that open up to 180° and are suitable for both left-opening and right-opening doors.

Invisible NEO

What are the benefits?

Ease of installation

- Universal: for left and right-opening doors
- "Easy-hook": installation and 3D adjustment by one person
- 3D adjustable (height, width, and depth) without taking the door off- 2,5 / + 2,5 (S5) - 3



- Extra simplified height adjustment: no wedge required
- 180° opening angle

Aesthetics

- Pure and qualitative design
- No visible screws
- 3 sizes: S5, M6, L7
- Available in different finishes

Durability and safety

- Open and shutting movement cycle tests (min. 200,000)
- Fingers are protected because of the minimal space between the door and the frame
- Available in 30- or 60-minute fire-rated versions (ATG 3244)

S5	E30	M6 & L7	E60
	El ₂ 30		El ₂ 60
	El ₁ 30		El ₁ 60
	EW30		EW60

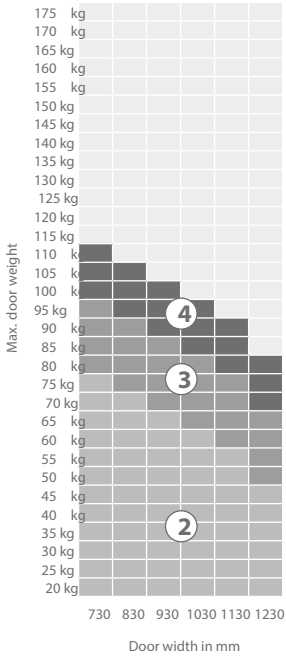
- Fully mounted on plastic washers



		Standard
matt chrome	S5	70000061
	M6	70000062
	L7	70000003
glossy chrome	S5	70000066
	M6	70000067
	L7	70000068
tar black	S5	70000106
	M6	70000107
	L7	70000108
white	S5	70000072
	M6	70000073
	L7	70000074
copper	S5	70000156
	M6	70000174
	L7	70000175
bronze	S5	70000139
	M6	70000141
	L7	70000143
dark bronze	S5	70000140
	M6	70000142
	L7	70000144
stainless steel look	S5	70000069
	M6	70000070
	L7	70000071
black umber	S5	70000109
	M6	70000110
	L7	70000111
classic bronze	S5	70000095
	M6	70000096
	L7	70000097
brass gold	S5	70000093
	M6	70000092
	L7	70000065

Weight chart showing number of hinges

INVISIBLE NEO S5



Number of concealed hinges depending on the door weight and a maximum door size of 2000 mm (height) x 1000 mm (width) in accordance with EN1935:

2 hinges*	Max. 60 kg
3 hinges	Max. 80 kg

* To ensure the door leaf remains perpendicular, the use of at least 3 hinges is recommended. Using more than 4 hinges is not recommended; please contact ARLU if this is necessary.

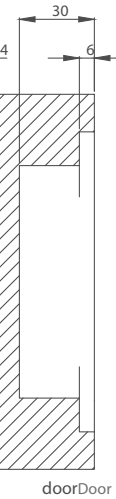
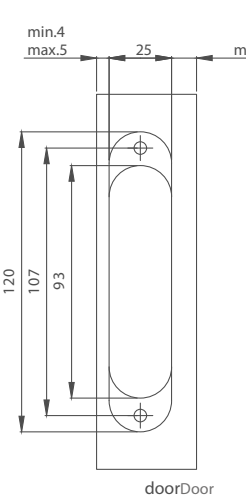
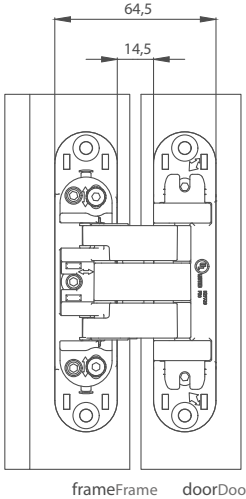
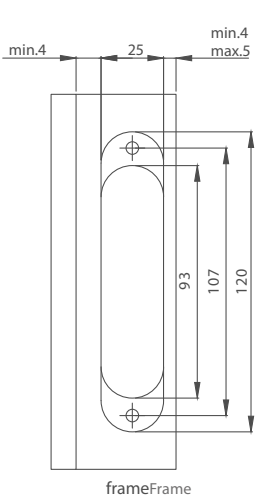
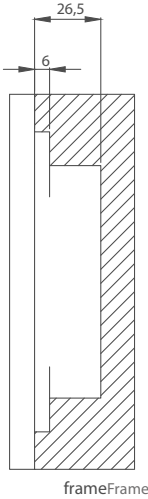
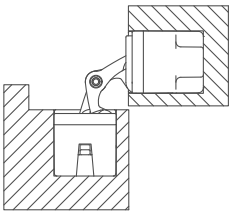
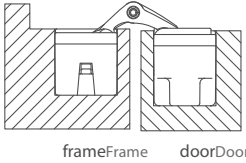
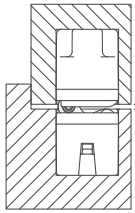
Adjusted door weight: According to the EN1935 standard, door closers increase the load on the door hinges and their wear and tear. This must be taken into account for the correct calculation.

door closer*	door closer with back-check* for intensive use	door weight +20%
		door weight +75%
		door weight +10%

* When using a door closer, we recommend using 4 hinges: 2 at the top, 1 in the middle and 1 at the bottom.

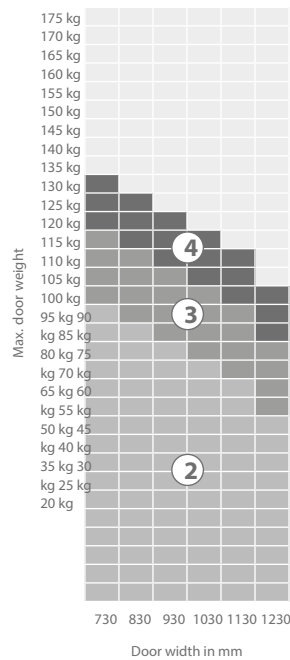
Classification summary in accordance with EN1935 / EAD020001-01-0405:

	Category Use	Durability performance	Test Door mass	Fire-resistant Smoke-resistant	Safety	Corrosion resistance	Burglar-proof	Hinge quality
NEO S5	2	7	3	1	1	4	0	10



Weight chart showing number of hinges

INVISIBLE NEO M6



Number of concealed hinges depending on the door weight and a maximum door size of 2000 mm (height) x 1000 mm (width) in accordance with EN1935:

2 hinges*

3 hinges

* To ensure the door leaf remains perpendicular, the use of at least 3 hinges is recommended. Using more than 4 hinges is not recommended; please contact ARLU if this is necessary.

Adjusted door weight: According to the EN1935 standard, door closers increase the load on the door hinges and their wear and tear. This must be taken into account for the correct calculation.

door closer*

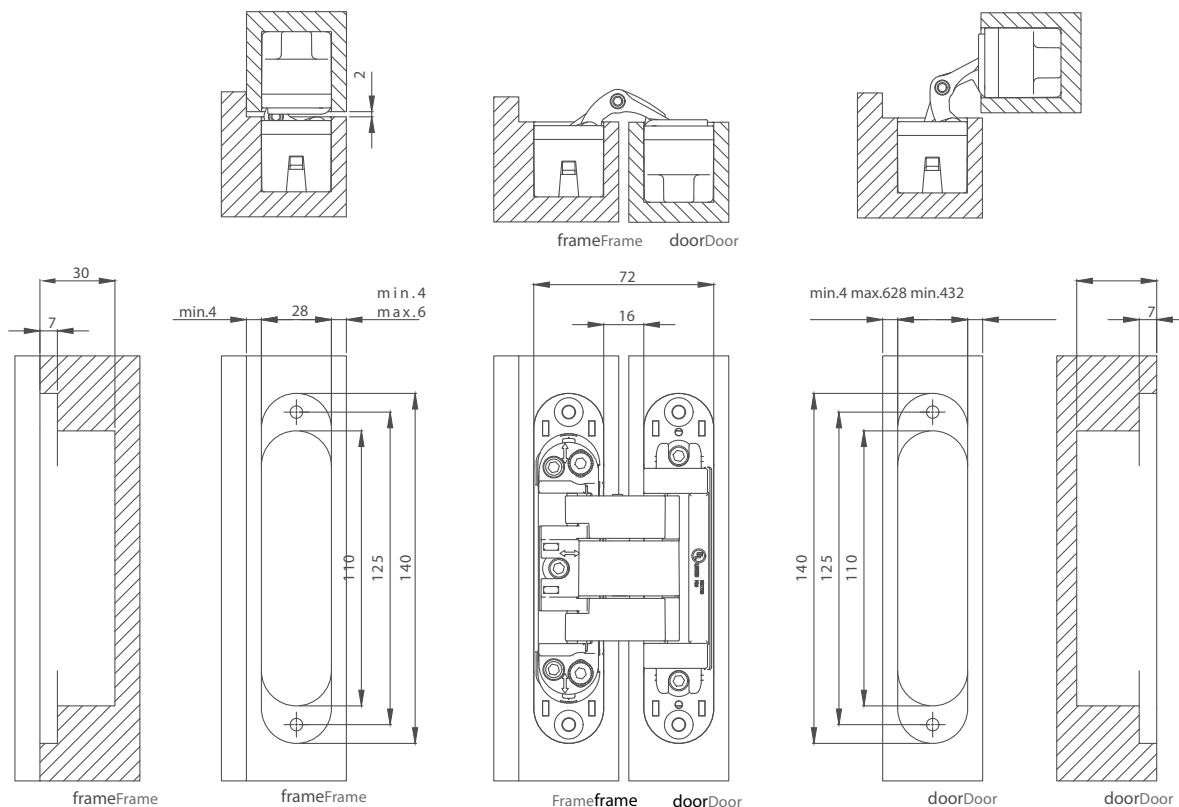
door closer with back-check*
for intensive use

for intensive use

* When using a door closer, we recommend using 4 hinges:
2 at the top, 1 in the middle and 1 at the bottom.

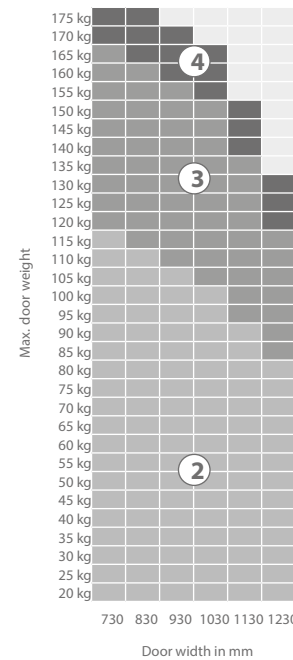
Classification summary in accordance with EN1935 / EAD020001-01-0405:

	Category Use	Durability performance	Test Door mass	Fire-resistant Smoke-resistant	Safety	Corrosion resistance	Burglar-proof	Hinge quality
NEO M6	3	7	4	1	1	4	0	11a



Weight chart showing number of hinges

INVISIBLE NEO L7



Number of concealed hinges depending on the door weight and a maximum door size of 2000 mm (height) x 1000 mm (width) in accordance with EN1935:

2 hinges* Max. 100 kg

3 hinges

* To ensure the door leaf remains perpendicular, the use of at least 3 hinges is recommended. Using more than 4 hinges is not recommended; please contact ARLU if this is necessary.

Adjusted door weight: According to the EN1935 standard, door closers increase the load on the door hinges and their wear and tear. This must be taken into account for the correct calculation.

door closer*

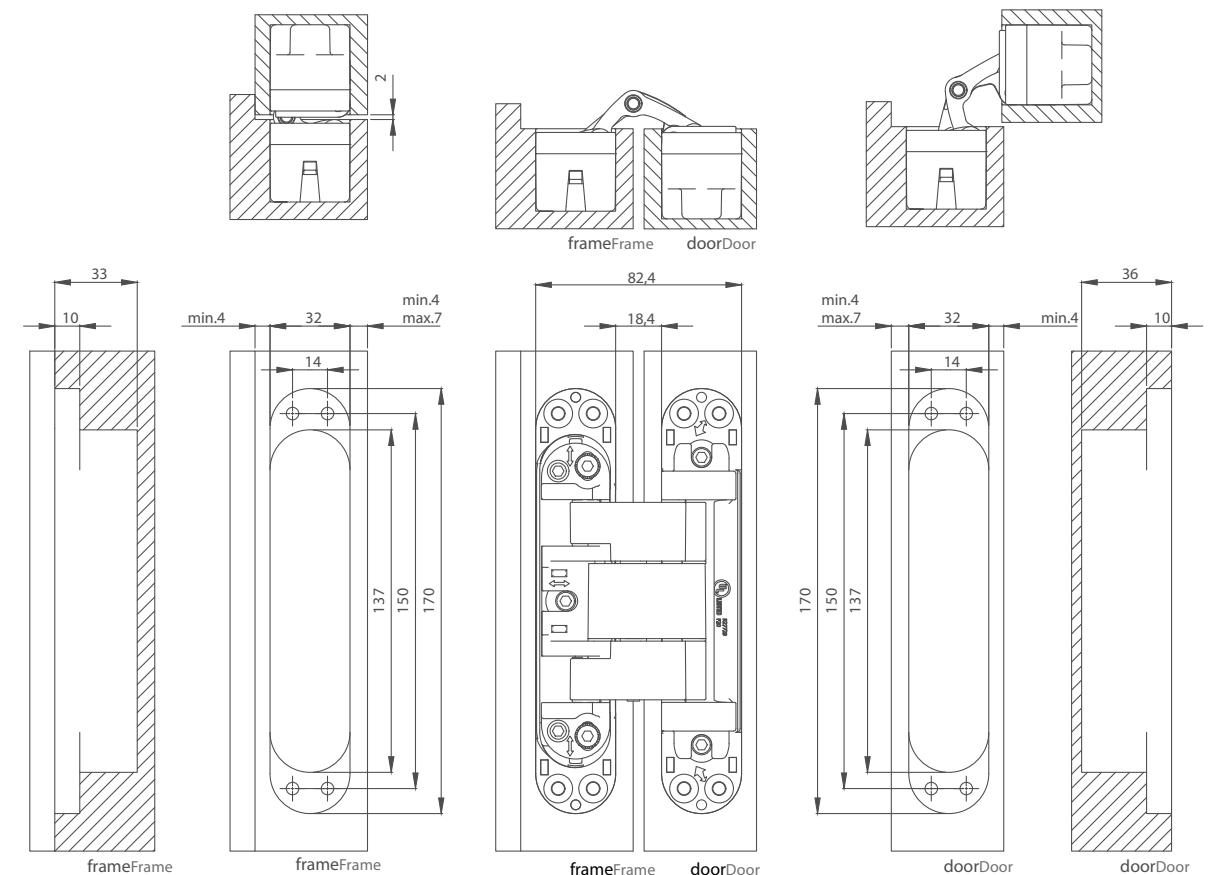
door closer with back-check*
for intensive use

for intensive use

* When using a door closer, we recommend using 4 hinges: 2 at the top, 1 in the middle and 1 at the bottom.

Classification summary in accordance with EN1935 / EAD020001-01-0405:

	Category Use	Durability performance	Test Door mass	Fire-resistant Smoke-resistant	Safety	Corrosion resistance	Burglar-proof	Hinge quality
NEO L7	4	7	5	1	1	4	1	12a





Invisible NEO

Accessories

Universal milling template

70000047

ARLU® developed the universal ARLU milling template to quickly and easily make the correct cut-outs, for all ARLU invisible fittings as well as the argenta butt hinges, using a router.

A basic set contains:

- 3 x black plastic base plates
- 2 x black plastic stop blocks

Order this as a supplement:

3 x brushed aluminium plates**

NEO S5: 70000215 | NEO M6: 70000214 | NEO L7: 70000213

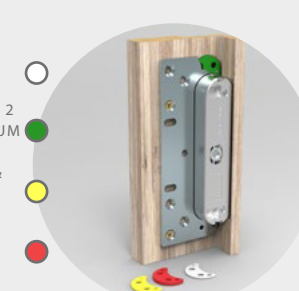


Fixation plate

NEO S5: 70000085 | NEO M6: 70000086 | NEO L7: 70000087

If a wooden door frame is not thick enough to screw in a concealed hinge securely, securing plates with spacer rings provide a solution. The plate is placed on the back of the wooden door frame and the hinge on the front of the door frame. The spacer rings fill the remaining distance between the securing plate and the hinge. This is necessary to avoid damaging the door frame when the hinge is screwed on. Use a suitable combination of colours to get the required spacing.

SPACERRIN
GS 1 MM SMALL: 70000048
MEDIUM & LARGE: 70000052
1,5 MM SMALL: 70000049
MEDIUM & LARGE: 70000053
2 MM SMALL: 70000050 MEDIUM
& LARGE: 70000054
3 MM SMALL: 70000051 MEDIUM &
LARGE: 70000055



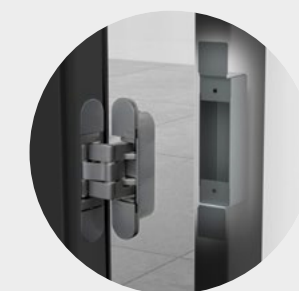
Intumescent kit

For non-residential buildings such as offices as well as residential buildings, building regulations lay down specific requirements regarding fire safety. To comply with these regulations, an argenta invisible hinge must be combined with an intumescent kit. ARLU supplies intumescent kits for 30 minutes that are tested and approved according to European standards.



Connecting fitting

An argenta invisible hinge can also be used in combination with a steel or stainless steel door frame. For this application, ARLU includes a suitably sized, stainless steel connecting fitting to secure the invisible hinge.





This brochure is updated regularly.
Please check our website for the latest version.

