



BELLEVUE
ARCHITECTURAL

New Products

- BAC1431SC | Self closing concealed hinge for doors upto 100kg
- BAC1418 | Heavy duty offset hinge | upto 14mm cladding
- Updated weight classes for all hinges



CEAM CONCEALED HINGES

Adjustable 3D concealed hinges for hinged doors
100% Made in Italy



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[@bellevue_architectural](https://www.instagram.com/bellevue_architectural)

About Bellevue and CEAM



For over 30 years, the name Bellevue Architectural has been synonymous with providing the latest in designer fittings from the European marketplace, that create visual attraction and distinction without compromising quality, design or affordability.

Bellevue's products have been used all over Australia and New Zealand, from small projects through to large, with project pricing available. Bellevue's products are designed and manufactured by people from within the design industry, people who truly believe that design and quality are an integral part of creating something special and unique.

Today Bellevue is proud to represent the CEAM range of concealed hinges. 100% made in Italy, they are used in a variety of applications. The CEAM concealed hinge is ideal for doors that need to blend into a wall and provide a clean look and feel.

Aesthetically pleasing, disappearing once the door is closed, CEAM hinges have won international design awards and are used worldwide. Used in residential,



commercial and industrial environments, CEAM hinges are ideal for front entry doors, kitchen and cupboard doors, office and panic room doors, to name a few. Ideal for doors that need to cleanly blend into a wall and generate a sophisticated look and feel.

Located in Italy and with over 50 years of experience, CEAM is considered a world leader in innovation, design & quality. No other concealed hinge of this type can compete with CEAM's technical product strengths - durability, longevity and cost.



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3D Adjustable Concealed Hinges - Door upto 3000mm Tall & 1300mm Wide

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Specialised 3D Adjustable Concealed Hinges | Self Closing & for Cladded Doors

BAC1130SS	(suitable for doors up to 85kg) Stainless steel	Pg. 50 - 51
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3D hinges: Key features



ARCHITECTURAL APPEAL

Concealed hinges elegantly designed and finished in 9 stunning galvanic colours



ENGINEERING

Manufactured in 4 different materials: zinc-alloy, stainless steel, and aluminium. All Ceam hinges are symmetrical and engineered to solve the new challenges of modern buildings



ADJUSTABLE

Fluid 180° opening and adjustable in 3 dimensions: height, width and depth





MINIMAL

Minimally invasive, symmetric therefore versatile, all Ceam hinges leave room for the client's imagination. They can be installed on wooden, aluminium or steel profiles. Minimum hinge depth 18 mm - Best in Class



UP TO 260KG

Safe, solid, reliable: our hinges are tested to last for 200,000 cycles, and now also on fire rated doors (Euro fire rating standard)



EASY-INSTALLATION

For easy installation, the door part and the frame part can be assembled separately in production and united on-site



100% MADE IN ITALY

Since 1962 Ceam has specialize, with dedication, in manufacturing concealed hinges



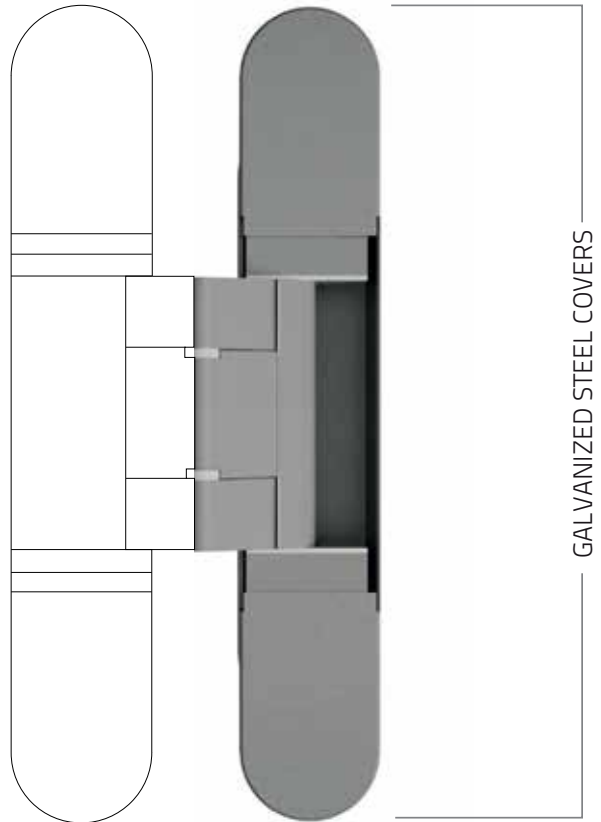
ULTRA CERTIFICATE

Company ISO 9001-2015; hinges tested according to safety European norms CE, also suitable for Fire rated European doors up to EI120

Easy INSTALLATION

The symmetrical sides and reduced hinge depth make the door preparation quick and safe.

The door part and frame part can be assembled separately in production and joined on-site.



Unscrew to move the internal body, and therefore the door, to your preferred position. Then tighten it for operational perfection.



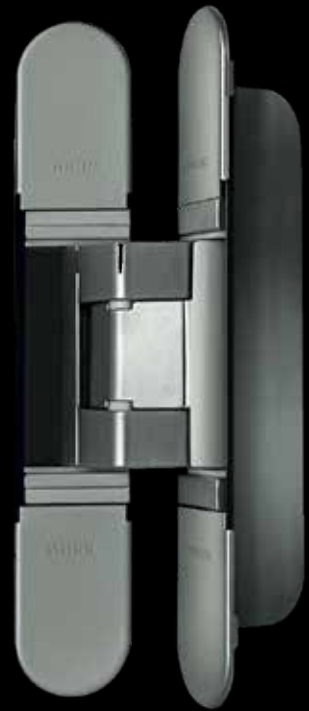
VERTICAL ADJUSTMENT



Make sure the door will always be at the right height

DEPTH ADJUSTMENT

Finely adjust the gap between door and frame



HORIZONTAL ADJUSTMENT



Align the door to the wall for stunning flush effects



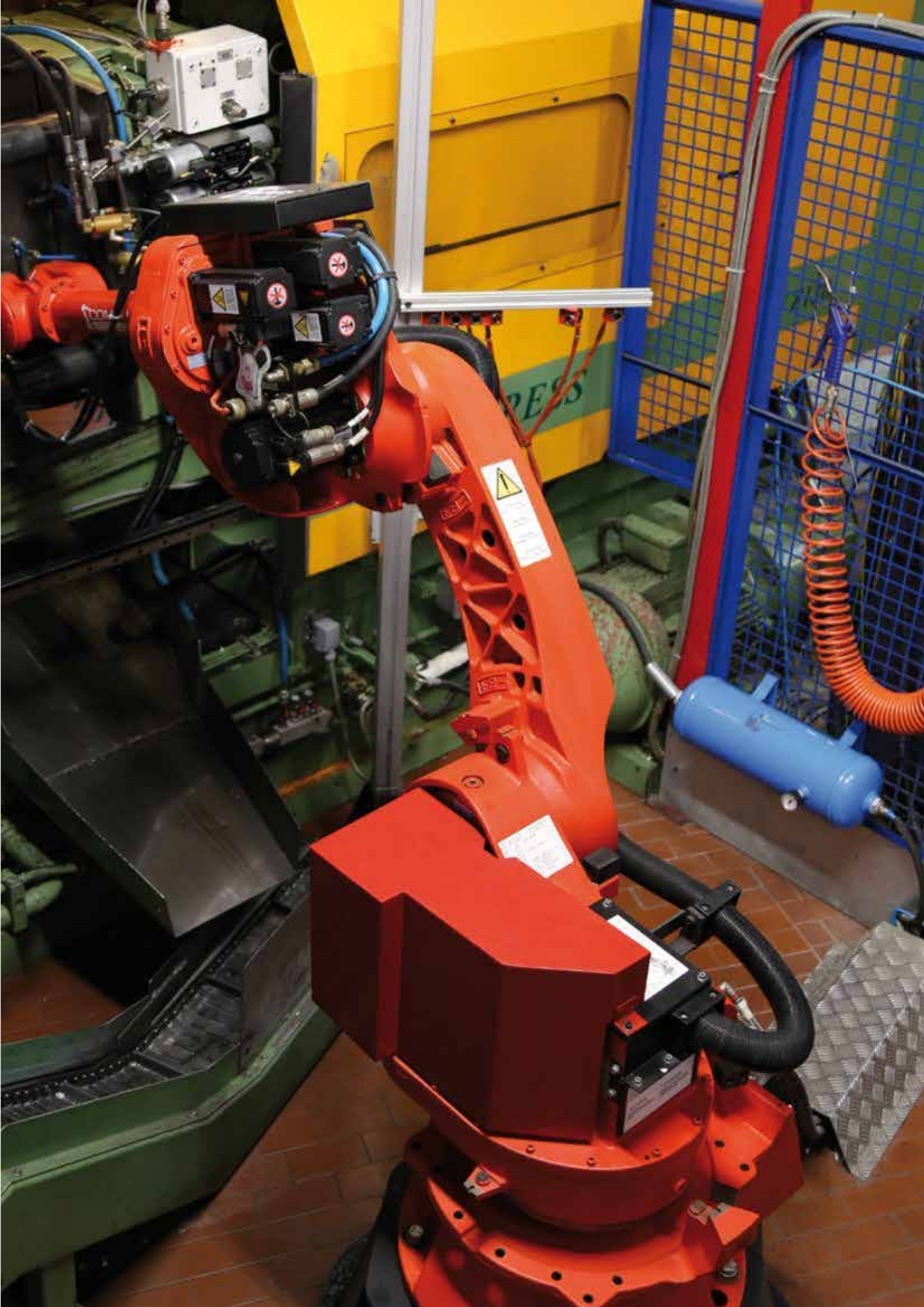
Reliability

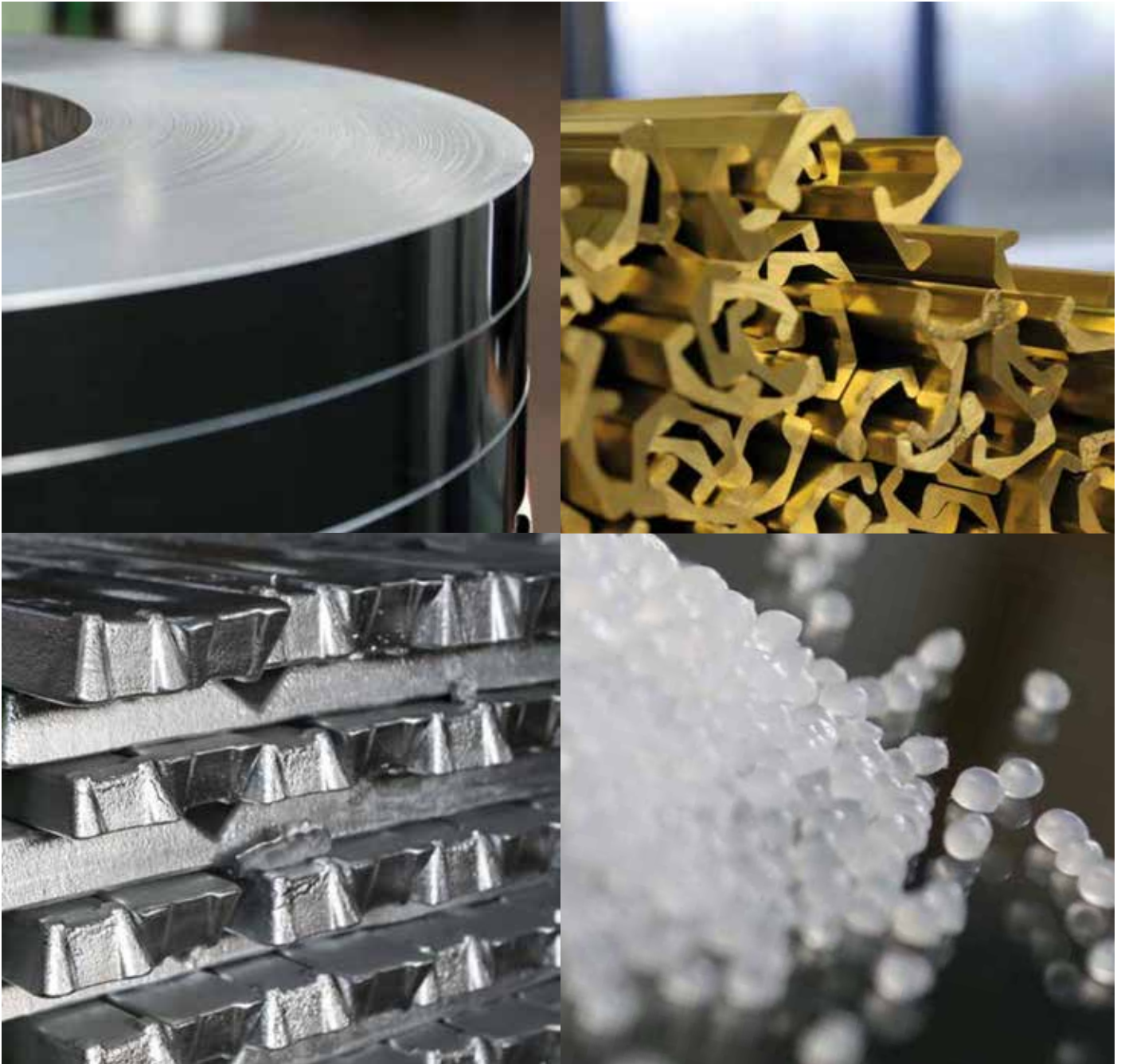
The invisible hinge from CEAM, like all other architectural products, must be mechanically reliable and suitable to allow for the safe on-going movement of the door during its entire life span. The functionality and movement of the hinge must be guaranteed for the long term, well beyond the normal warranty standard.

It is for this express purpose, to ensure the highest level of quality control possible, that CEAM's industrial plant - located in Cermenate, Como, Italy - is where all stages of the production process are undertaken. From design and tool making, through moulding, cuttings and turnings of the best materials, ending with the automatic assembly and logistic department.



DURABILITY	200,000 opening cycles 0 - 90°		Tested & Certified
DEFORMATION UNDER LOAD	Door weight double than the hinges load bearing capacity	5 opening & closing cycles at 0 - 90° 5 opening & closing cycles at 0 - 180°	Tested & Certified
OVERLOAD	Door weight triple than the hinges load bearing capacity	Open at 90° for 60 minutes	Tested & Certified
FRICTION TORQUE	Door weight as per the hinge load bearing chart	30 opening & closing cycles at 0 - 90°	Friction check every 30° up to 180°





Raw Materials

STEEL:

Iron-based alloy, which contains a variable percentage of carbon in the range of 0.1% - 2%.

Steel is one of the most widely used materials in the world for its strength, complete recyclability, high mechanical resistance, pliability and elasticity. Furthermore, it can gain mechanical resistance and toughness through repeated tempering.

BRASS:

Copper-based alloy, which contains a percentage of zinc in the range of 36% - 45%, and other elements like magnesium, tin and aluminium, that enhance resistance to corrosion, and iron that increases ultimate strength. Mechanical features, weathering resistance and excellent malleability make brass the ideal choice for several applications. Brass can be easily used for galvanic surface plating, hence, it is extensively adopted for products that require plating.

ZAMAK:

Zinc-based alloy, which contains a percentage of aluminium in the range of 3% - 5%, and a percentage of copper in the range of 1% - 3%. It can be used for pressure die castings to obtain items with complex shapes and low dimensional tolerance. It can be adopted for any galvanic treatment.

NYLON:

Commercial name: Polyamide PA6/66.

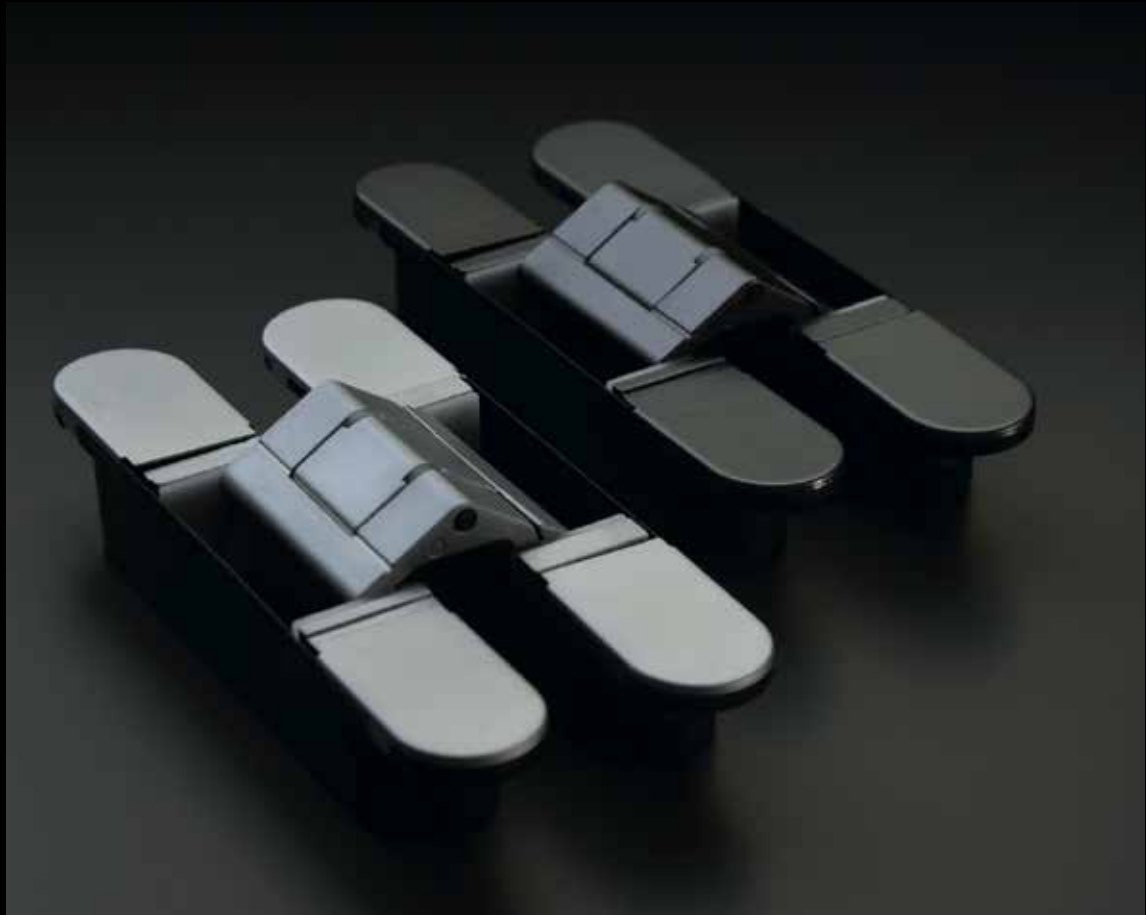
It is a thermoplastic material that has high mechanical resistance, excellent toughness and high resistance to impact. With excellent resistance to wear and anti-effraction properties, it is extensively used for technical purposes. Almost transparent when raw, it can be produced in a wide range of colours.



S.T.A.R.S. Series features

A hinge system with three independent adjustable axes

- Fluid 180° opening
- An innovative patented system with internal sliding, reduces the hinges depth to a minimum of 18mm – BEST IN CLASS
- Minimum door thickness: 18mm
- Minimum door jamb thickness: 15 to 29mm
- Manufactured in 3 different base materials: Zamak, Stainless Steel and Nylon
- Completely reversible thanks to the perfect symmetry of the two hinge sides (same size slot on the door and the jamb)
- Totally recessed hinge body: the gap between door and jamb is decreased significantly
- Easy installation: the door part and the jamb part can be assembled separately in production and united on-site
- Elegant minimalistic design thanks to multiple finishes
- Cover plates in durable galvanized steel
- Ideal for: timber, aluminium, iron, rebated, flush doors, folding doors, closets, furniture, galley and much more
- Quality: 100% Made in Italy, tested to 200,000 cycles of opening harmonizing the UNI EN 1935
- Fire rated by LAPI certificate UNI EN1634-2 (Highest in European standards)

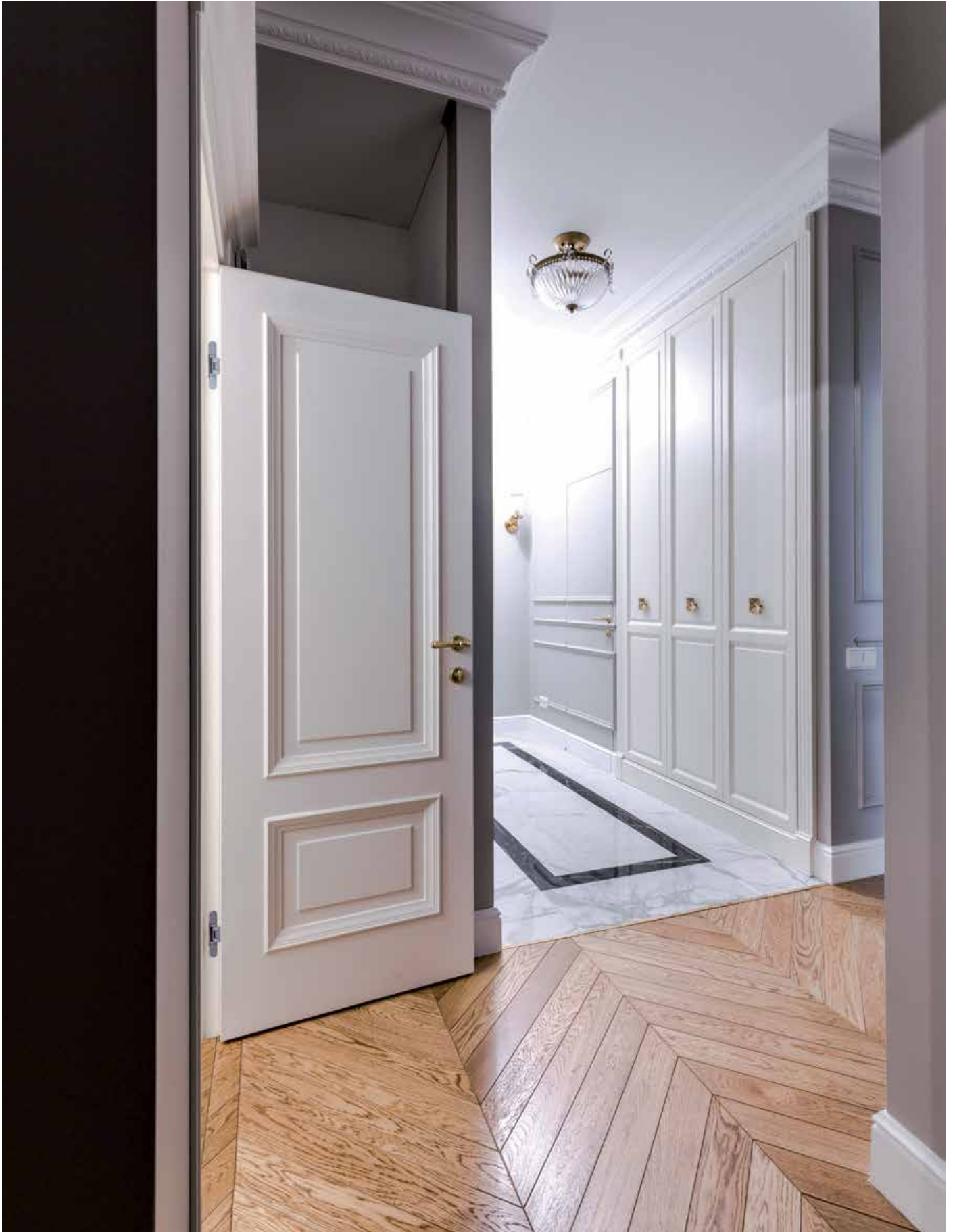




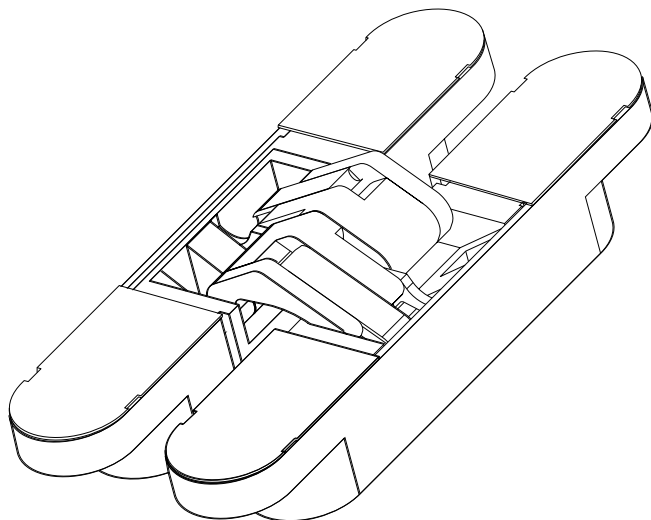






















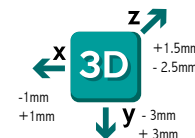










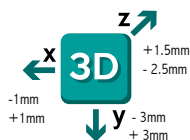


MODEL SELECTOR

To ensure the desired concealed look and door movement, CEAM hinges are available in multiple versions depending upon the weight & width of the door. Using the charts below you can easily select which model best matches your door specifications.

H x W	Door Height and Width in mm Door Weight in Kg								Qty	Location
	Model	700	800	900	1000	1100	1200	1300		
3000mm	BAC1430	65	65	65	65	65	65	65	4 Hinges Required	Suitable for Internal & External (under cover use)
	BAC1131S	120	120	120	120	120	120	120		
	BAC1431	135	135	135	135	135	135	135		
	BAC1432	215	215	215	215	215	215	215		
2900mm	BAC1430	65	65	65	65	65	65	65		
	BAC1131S	120	120	120	120	120	120	120		
	BAC1431	135	135	135	135	135	135	135		
	BAC1432	215	215	215	215	215	215	215		
2800mm	BAC1430	65	65	65	65	65	65	61		
	BAC1131S	120	120	120	120	120	120	112		
	BAC1431	135	135	135	135	135	135	126		
	BAC1432	215	215	215	215	215	215	210		
2700mm	BAC1430	65	65	65	65	65	65	57		
	BAC1131S	120	120	120	120	120	120	105		
	BAC1431	135	135	135	135	135	135	118		
	BAC1432	215	215	215	215	215	215	188		
2600mm	BAC1430	65	65	65	65	65	61	53		
	BAC1131S	120	120	120	120	120	114	98		
	BAC1431	135	135	135	135	135	128	110		
	BAC1432	215	215	215	215	215	204	176		
2500mm	BAC1129	38	38	38	38	38	33	29		
	BAC1430	65	65	65	65	65	57	50		
	BAC1131S	120	120	120	120	120	105	92		
	BAC1431	135	135	135	135	135	119	104		
	BAC1432	215	215	215	215	215	189	165		
2400mm	BAC1129	38	38	38	38	37	31	28		
	BAC1430	65	65	65	65	62	53	47		
	BAC1131S	120	120	120	120	115	98	87		
	BAC1431	135	135	135	135	130	110	98		
	BAC1432	215	215	215	215	207	176	156		
2300mm	BAC1129	38	38	38	38	34	29	26		
	BAC1430	65	65	65	65	57	50	45		
	BAC1131S	120	120	120	120	106	92	83		
	BAC1431	135	135	135	135	119	103	93		
	BAC1432	215	215	215	215	190	165	148		
2200mm	BAC1129	38	38	38	37	31	27	25		
	BAC1430	65	65	65	63	53	47	42		
	BAC1131S	120	120	120	117	98	86	78		
	BAC1431	135	135	135	132	110	97	88		
	BAC1432	215	215	215	210	176	155	141		
2100mm	BAC1129	38	38	38	34	29	26	24		
	BAC1430	65	65	65	58	49	44	40		
	BAC1131S	120	120	120	107	91	82	75		
	BAC1431	135	135	135	120	103	97	84		
	BAC1432	215	215	215	192	164	146	134		
2000mm	BAC1129	38	38	38	31	27	24	23		
	BAC1430	65	65	65	53	46	42	39		
	BAC1131S	120	120	120	98	85	77	71		
	BAC1431	135	135	135	110	96	87	80		
	BAC1432	215	215	215	176	153	138	128		

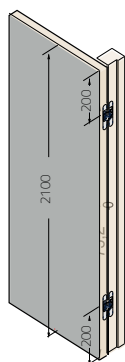
If used with a door closer, double the door weight. A higher hinge class may be required - see page 58.



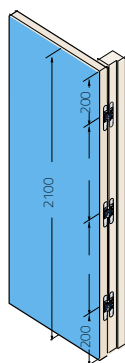
MODEL SELECTOR

Door Closers: Installing a door closer increases the load exerted on the hinges.

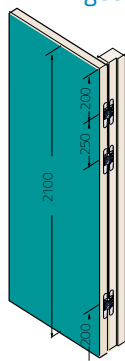
For hinge selection purposes, the door should be treated as twice its actual weight. Select a hinge model with sufficient capacity to accommodate this increased load and maintain reliable performance.



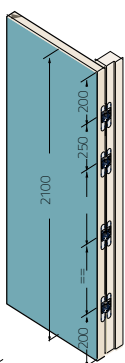
2 hinges



3 symmetrical hinges



3 asymmetrical hinges



4 hinges

H x W	Door Height and Width in mm Door Weight in Kg								Qty	Location
	Model	700	800	900	1000	1100	1200	1300		
3000mm	BAC1230S	70	70	70	70	70	70	70	4 Hinges Required	Suits Cladded Doors See hinge for max cladding thickness
	BAC1418	100	100	100	100	100	100	100		
	BAC1432W	195	195	195	195	195	195	195		
2900mm	BAC1230S	70	70	70	70	70	70	70		
	BAC1418	100	100	100	100	100	100	100		
	BAC1432W	195	195	195	195	195	195	195		
2800mm	BAC1230S	70	70	70	70	70	70	65		
	BAC1418	100	100	100	100	100	100	94		
	BAC1432W	195	195	195	195	195	195	183		
2700mm	BAC1230S	70	70	70	70	70	70	61		
	BAC1418	100	100	100	100	100	100	88		
	BAC1432W	195	195	195	195	195	195	170		
2600mm	BAC1230S	70	70	70	70	70	66	57		
	BAC1418	100	100	100	100	100	95	82		
	BAC1432W	195	195	195	195	195	185	160		
2500mm	BAC1230S	70	70	70	70	70	61	54		
	BAC1418	100	100	100	100	100	88	77		
	BAC1432W	195	195	195	195	195	171	150		
2400mm	BAC1230S	70	70	70	70	67	57	51		
	BAC1418	100	100	100	100	97	82	73		
	BAC1432W	195	195	195	195	187	160	142		
2300mm	BAC1230S	70	70	70	70	62	54	48		
	BAC1418	100	100	100	100	89	77	69		
	BAC1432W	195	195	195	195	172	149	134		
2200mm	BAC1230S	70	70	70	68	57	50	46		
	BAC1418	100	100	100	98	82	72	66		
	BAC1432W	195	195	195	191	160	140	127		
2100mm	BAC1230S	70	70	70	62	53	47	44		
	BAC1418	100	100	100	90	76	68	63		
	BAC1432W	195	195	195	174	149	132	121		
2000mm	BAC1230S	70	70	70	57	50	45	42		
	BAC1418	100	100	100	82	72	65	60		
	BAC1432W	195	195	195	160	139	125	116		

H x W	Door height and Width in mm Door weight in Kg									Qty	Location
	Model	700	800	900	1000	1100	1200	1300			
3000mm	BAC1130 Stainless Steel	70	70	70	70	70	70	70	4 Hinges	Stainless Steel Suitable for External Use	
2900mm		70	70	70	70	70	70	70			
2800mm		70	70	70	70	70	70	65			
2700mm		70	70	70	70	70	70	61			
2600mm		70	70	70	70	70	66	57	3 Hinges Required		
2500mm		70	70	70	70	70	61	54			
2400mm		70	70	70	70	67	57	51			
2300mm		70	70	70	70	62	54	48			
2200mm		70	70	70	68	57	50	46			
2100mm		70	70	70	62	53	47	44			
2000mm		70	70	70	57	50	45	42			

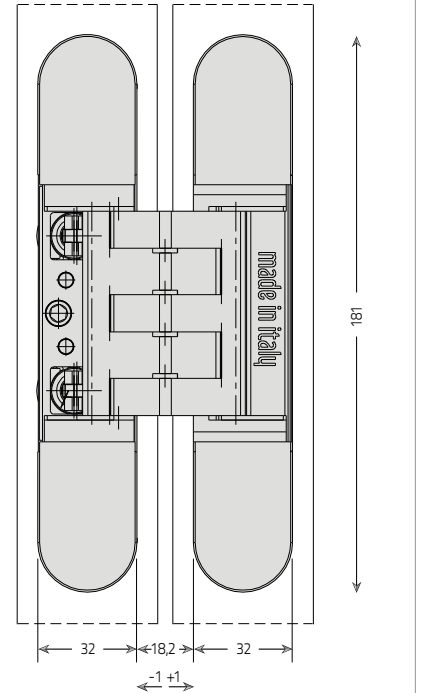
POSITION OF HINGES

- 2 hinges per door
- 3 symmetrical hinges per door
- 3 asymmetrical hinges per door
- 4 hinges per door

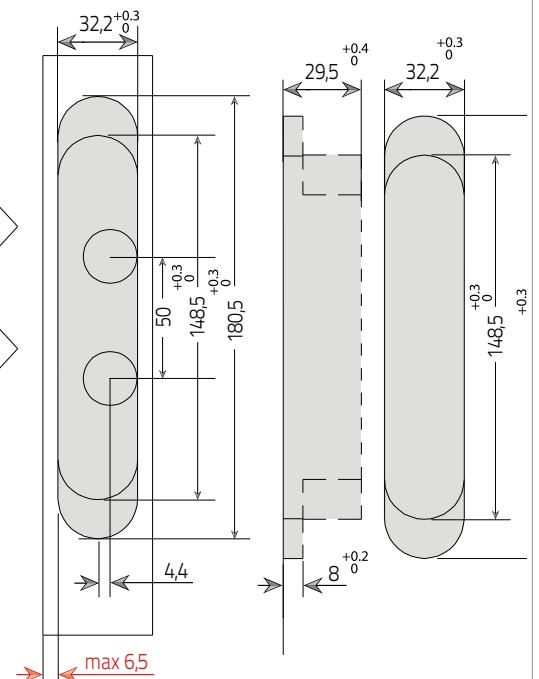
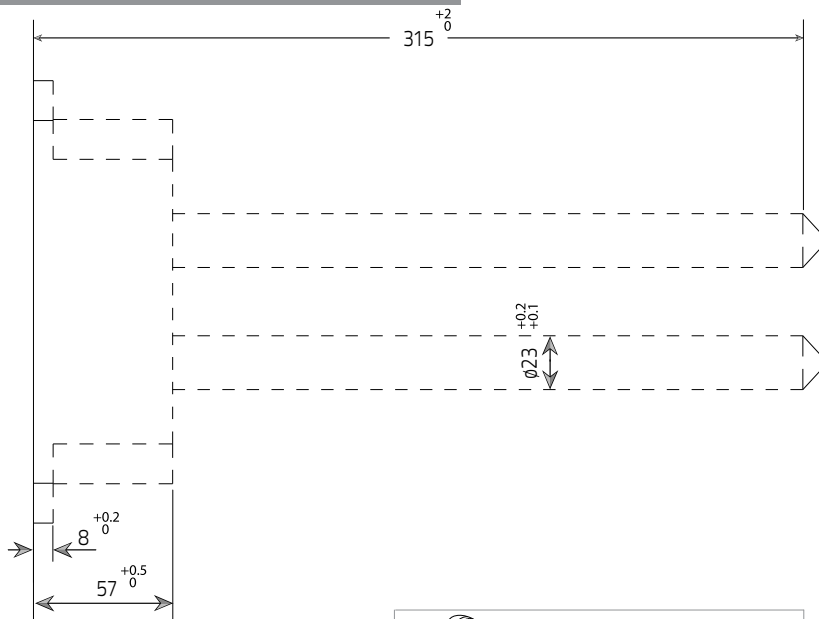
For heavy use or commercial applications, use **Asymmetric** hinge configuration.

For normal applications, use **Symmetric** hinge configuration.

Fully Adjustable: Max 100kg (based on door 3000 x 1300mm)

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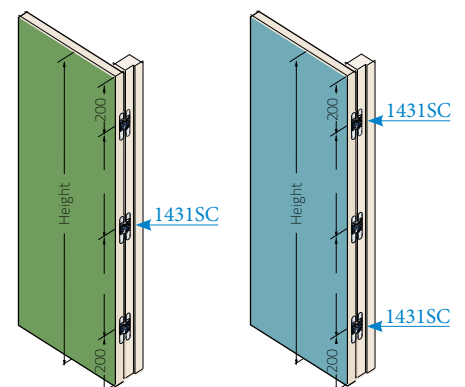
Min 2mm gap between door and jamb



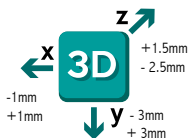
doors
easy installation
(or cover) locations
industrial applications

- Self Closing
 - 3D adjustable
 - CEAM quick release system
 - Available in multiple finishes
 - 100% Made in Italy for over 50 years
 - Suitable for high frequency opening doors
 - Jig & router template available for easy installation
 - Suitable for internal & external (under cover) locations
 - Suitable for residential, commercial & industrial applications
- 

3 symmetrical hinges per door



Max Height 3000 mm	Max Door Weight in KG						
1 x BAC1431SC + 2 x BAC1431	80	80	80	80	80	80	80
2 x BAC1431SC + 1 x BAC1431	100	100	100	100	100	100	100
Max door width in mm	700	800	900	1000	1100	1200	1300



3D Concealed Hinge BAC1431SC Functional Data

Self closing: Max 100Kg (based on door 3000 x 1300mm)



The BAC1431SC *Self Closing* 3D adjustable concealed hinge is rated to close a door up to 100kg from a 180° open position.

Aesthetically pleasing, no need for bulky, unsightly door closers as the unit is fully concealed within the door and jamb.

Self Closing & Fully Adjustable: Simple and quick adjustment of the hinge ensures easy installation and optimal door movement.

By using the supplied Allen key to make adjustments, you are able to find the correct closing force required to prevent the door from slamming or not latching.

Importantly the closing force can be adjusted at any time while the door is open.

The BAC1431SC is used in combination with the standard BAC1431 hinge, thus achieving perfect door alignment even with high loads.

A blended door to wall look and feel: once closed, the BAC1431SC hinge becomes invisible, hidden away by the jamb and the door butting up against each other.

Walls no longer need to be visually interrupted by the traditional butt hinge where the two leaves of the hinge meet and protrude out past the jamb.

The formal architectural composition of a wall can now continue without interruption, creating an aesthetically appealing, clean and elegant appearance.

Quick release: CEAM's quick release system is revolutionary - once the hinge is installed, you never need touch the door or jamb again.

The hinge sits within a cup, which is rebated and fixed to the door or jamb. The hinge is then fastened to the cup.

The door can be removed and reinstalled for painting and adjustments without damaging timber or paint work, saving time and money.

Door movement: If movement occurs, a door may not close properly or rub the paintwork. To fix this, the door needs to come down and then the door and/or jamb needs to be planed and repainted; a costly and time consuming effort.

Using the BAC1431SC, simply adjust the position of the door via the settings within the hinge. This adjustment is done without the door coming down.



BAC1431SC Quick Facts

Max. door weight	100kg (subject to door dimensions)
Adjustable closing speed	Via Allen Key while in the door
Gap when closed	2mm
Rebate position	Door or Jamb
Working aperture	180°
Manufacturing location	100% Made in Italy
Reliability	Certified to over 200,000 cycles
Adjustable	3D adjustment on 3 (X,Y,Z) axes
Quick Release	CEAM quick release system, never need to touch the door or jamb again



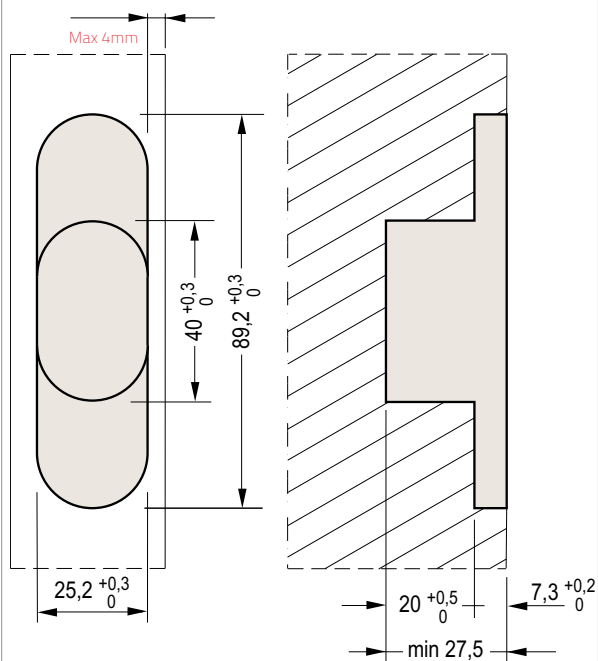
BAC1431SC Order Codes

BAC1431SCSI	Silver
BAC1431SCPB	Polished Brass (by request)
BAC1431SCBL	Black
BAC1431SCWH	White (by request)
BAC1431SCBZ	Bronze
BAC1431SCSN	Satin Nickel
BACJIGX3-BACT1431	Jig & hinge template (rent or buy) pg. 59 - 61

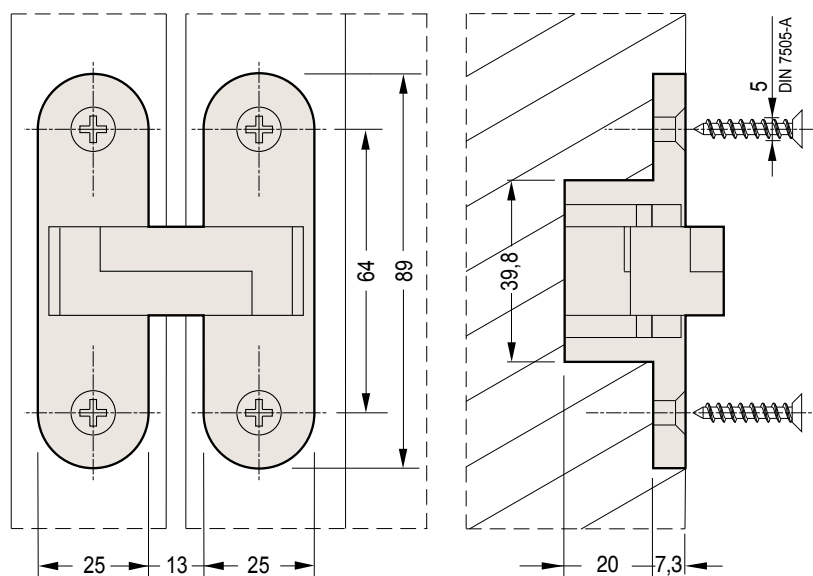
Concealed Hinge BAC2010 Technical Data

304 Grade Stainless Steel & Industrial Nylon: Max 60kg

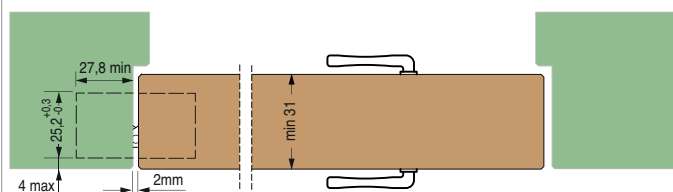
Timber Rebate Measurements



Hinge Measurements



BAC2010 Diagrams



Hinge rebated 4mm max from edge of door and jamb on opening side

BAC2010 Quick Facts

- 100% Made in Italy for over 50 years
- Suitable for high frequency opening doors
- Available in Satin Stainless or Polished Brass
- Made from industrial strength nylon & stainless steel
- Suitable for internal & external (under cover) locations
- Suitable for residential, commercial & industrial applications

Note: if being used with a door closer see page 58

No. of Hinges based on Door Height, Width & Weight

Door width up to 850 mm **height up to 2100 mm**

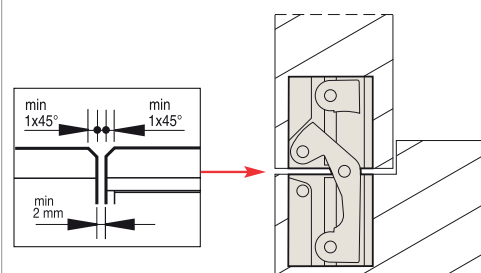
A - 2 hinges 40 kg Max

B - 3 hinges 60 kg Max

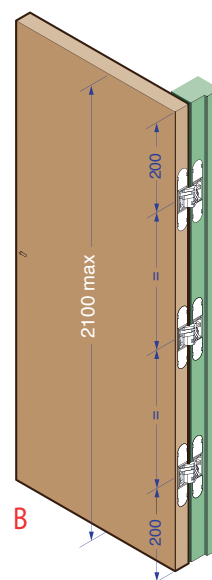
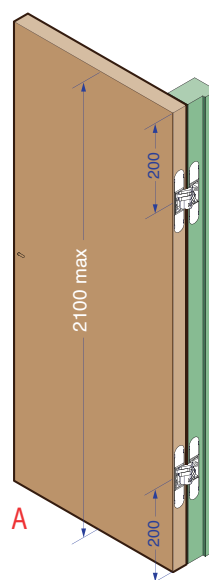
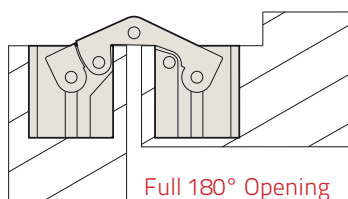
The hinge must be lubricated once a year

more than 2100 mm high

C - Please Call Bellevue



Min 2mm gap between door and jamb



Concealed Hinge BAC2010 Functional Data

304 Grade Stainless Steel & Industrial Nylon: Max 60kg

BAC2010



BAC2010



up to 60kg

No need for unsightly butt hinges or pivot kits, the BAC2010 concealed hinge brings a clean aesthetic appeal to a door, allowing it to blend into the wall.

Made 100% in Italy by CEAM, the BAC2010 is designed to allow a door to open and close, as would any other hinge, but with one difference; you don't see it.

Reliable, completely invisible (when the door is closed) and ideal for doors that weigh up to 60kg, the BAC2010 hinge is made out of stainless steel and industrial strength nylon, and is ideal for internal or external (under cover) applications.

Rated to carry a 60kg door to 90° or 180° opening, the hinge is extremely versatile and reliable as it is tested to 100,000 opening and closing cycles.

Unlike traditional hinges where the two leaves of the hinge meet and protrude out past the jamb and face of the door, the BAC2010 hinge is hidden away by the jamb and the door which butts up against each other when the door is closed, with only a 2mm gap.

An added advantage of the BAC2010 is its appearance; aesthetically pleasing to the eye when the door is open, it is sleek

and has clean lines, while becoming totally invisible when the door is closed, providing a clean, sophisticated blended door to wall look.

Cost effective and highly functional, it is a real and effective alternative to traditional and unsightly butt hinges and pivot systems. It's guaranteed for 100,000 cycles and is available in two finishes; the CEAM BAC2010 is hard to overlook.

304 Stainless Steel & Nylon
Ideal for internal & external use

BAC2010 Quick Facts

Min. door thickness	31mm
Max. door weight	60kg (subject to door dimensions)
Narrow rebate	27.5mm
Gap when closed	2mm
Working aperture	180°
Manufacturing location	100% Made in Italy
Reliability	Certified to over 100,000 cycles



BAC2010SS



BAC2010PB

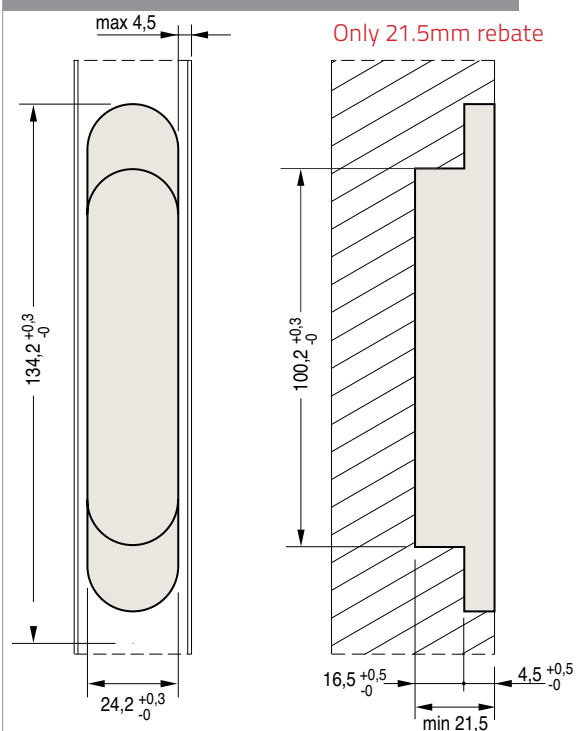
BAC2010 Order Codes

BAC2010SS	Satin Stainless
BAC2010PB	Polished Brass with Stainless knuckle
BACJIGX3-BAC2010	Jig & hinge template (rent or buy) pg. 59 - 61

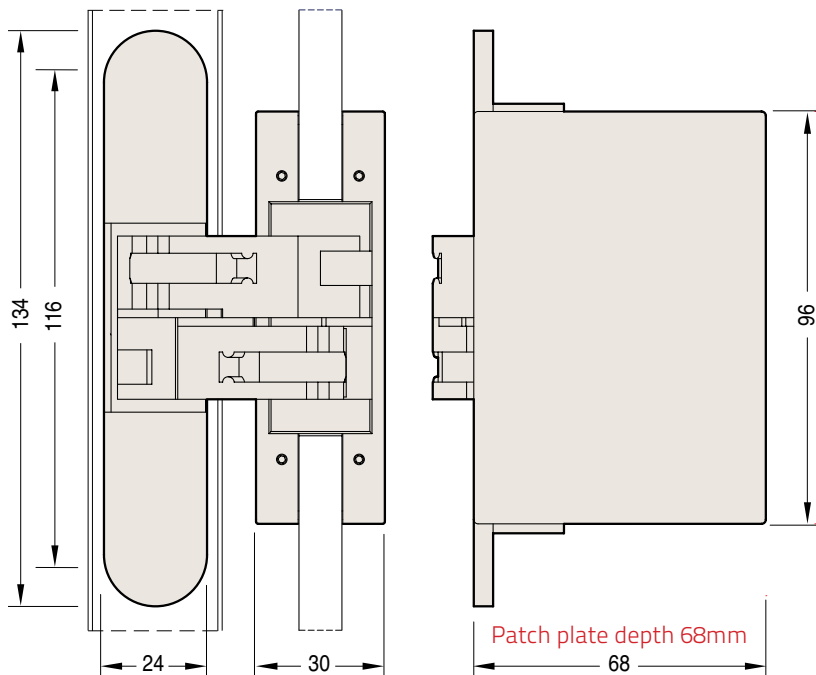
2D Concealed BAC1080 Glass Technical Data

Y & Z Adjustable: Max 60kg Glass Door

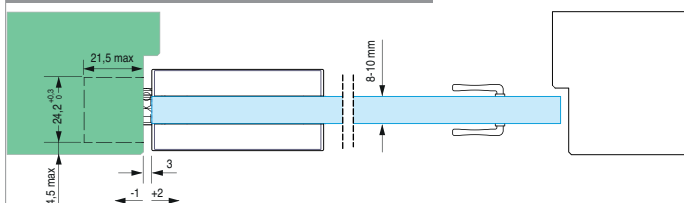
Timber Rebate Measurements



Hinge Measurements



BAC1080 Diagrams



Hinge rebated 4.5mm max from edge of jamb on opening side

BAC1080 Quick Facts

- 2D adjustable Glass Hinge
- CEAM quick release system
- Available in Polished and Satin Chrome
- Suitable for glass 8-10mm thick
- 100% Made in Italy for over 50 years
- Suitable for high frequency opening doors
- Jig & router template available for easy of installation
- Suitable for internal & external (under cover) locations
- Suitable for residential, commercial & industrial locations

Note: if being used with a door closer see page 58

No. of Hinges based on Door Height, Width & Weight

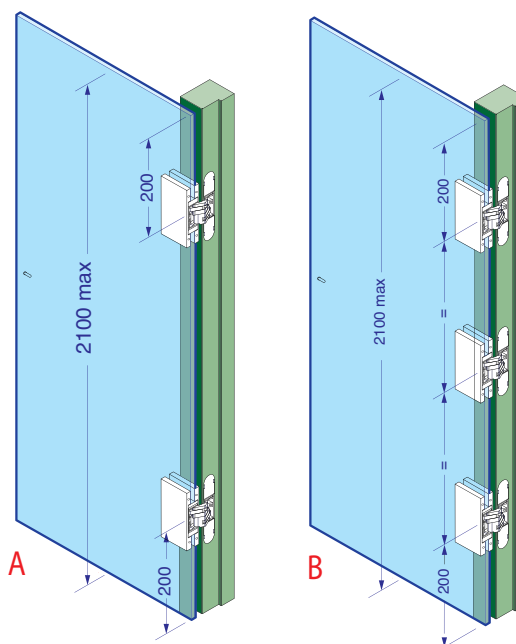
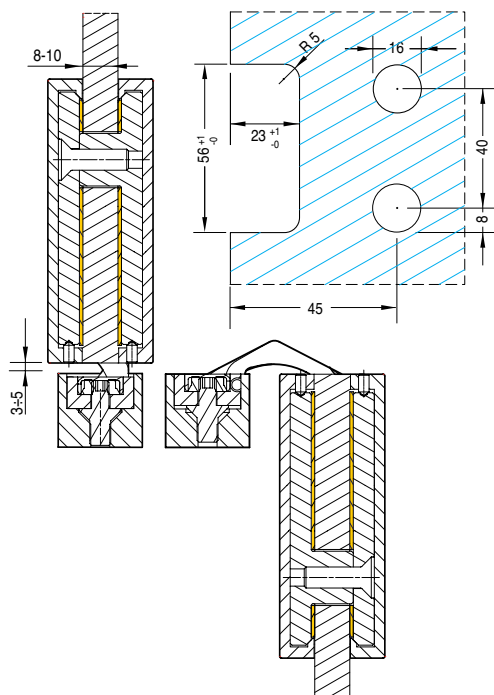
Door width up to 850 mm
height up to 2100 mm

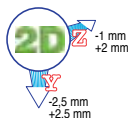
A - 2 hinges kg 40
B - 3 hinges kg 60

Before applying a door closing device,
please contact our technical office on
+61 3 9571 5666

The hinge must be lubricated
once a year.

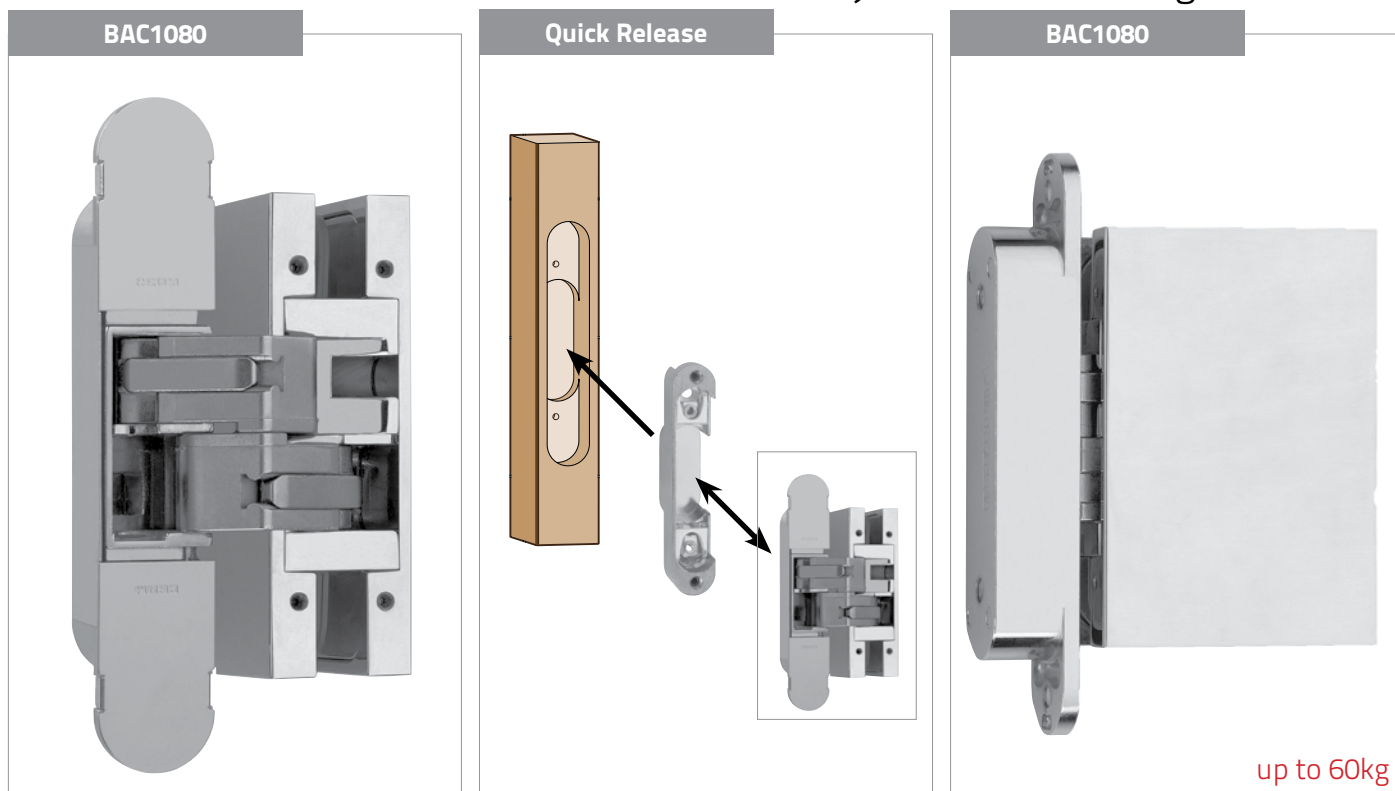
Glass cutout template





2D Concealed BAC1080 Glass Functional Data

Y & Z Adjustable: Max 60kg Glass Door



Model for Glass Doors

Specifically designed to butt glass doors up against a wall or jamb, the BAC1080 2D adjustable concealed patch plate hinge is rated to hold an 8-10mm thick, 60kg glass door. It's revolutionary design combines a patch plate and invisible hinge together.

Not only can you adjust the position of the glass door in 2 dimensions (up & down, left & right) but you can also take the door down without having to remove the hinge from its rebated housing in the jamb or wall.

Patch plate to wall... clean and sophisticated

Rated to carry an 8-10mm thick, 60kg glass door to 90° or 180° opening, the hinge is extremely versatile and reliable. Tested to

200,000 opening and closing cycles. Cost effective and highly functional, it is a real and effective alternative to traditional and unsightly glass door hinges and pivot systems.

Quick release: CEAM's quick release system is revolutionary - once installed, you never need to touch the jamb again.

The hinge sits within a cup, which is rebated into jamb or directly into the wall. The hinge is then fastened to the cup. As a result, if the door needs to come down, all you do is unscrew the locking bolts and remove the hinge from the cup.

The door can be removed and reinstalled for painting and adjustments without damaging the walls render, timber or paint

work, saving time and money.

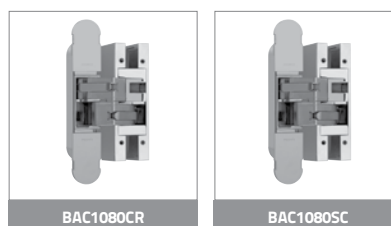
Door movement: Over time, this can be an expensive problem to fix. Not with the BAC1080 2D adjustable hinge; it specifically caters for door movement.

When movement occurs, a door may not close properly or can rub the paintwork. With traditional hinges, to fix this requires the door to come down, and then the door jamb needs to be planed and repainted; a costly and time-consuming effort. Not with the BAC1080.

Using the BAC1080, simply adjust the position of the door via the settings within the hinge. This adjustment is done without the door coming down.

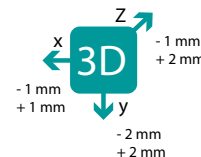
BAC1080 Quick Facts

Min. glass thickness	8 - 10mm
Min. jamb thickness	30mm
Max. door weight	60kg (subject to door dimentions)
Narrow rebate	21.5mm
Gap when closed	3mm
Working aperture	180°
Manufacturing location	100% Made in Italy
Reliability	Certified to over 200,000 cycles
Adjustable	2D adjustment on 2 (Y,Z) axes
Quick Release	CEAM quick release system, never need to touch the door or jamb again



BAC1080 Order Codes

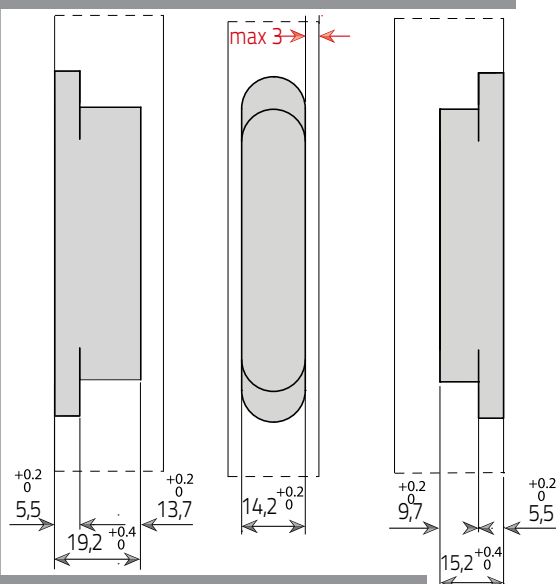
BAC1080CR	Polished Chrome
BAC1080SC	Satin Chrome
BACJIGX3-BACT1130	Jig & hinge template (rent or buy) pg. 59 - 61



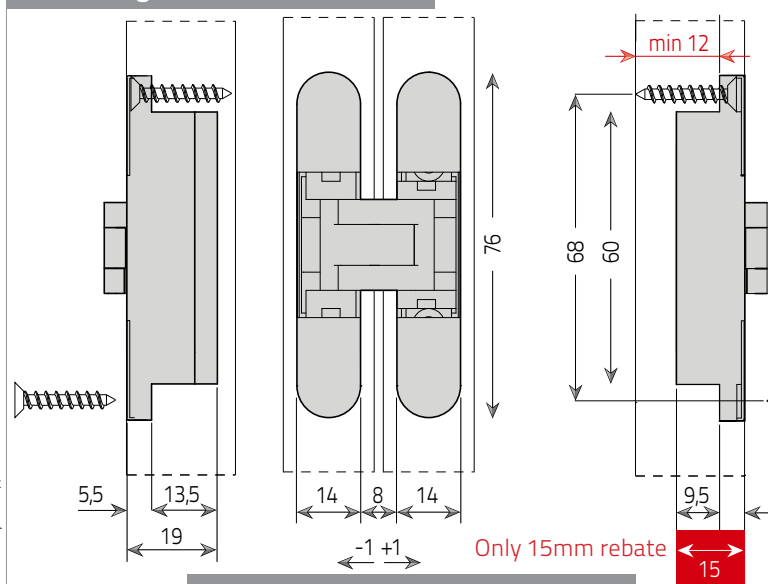
3D Concealed Hinge BAC929 Technical Data

Fully Adjustable: Max 18kg (based on door 2000 x 800mm)

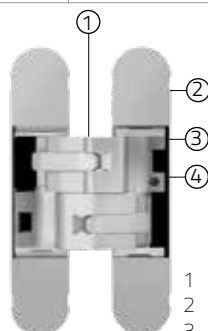
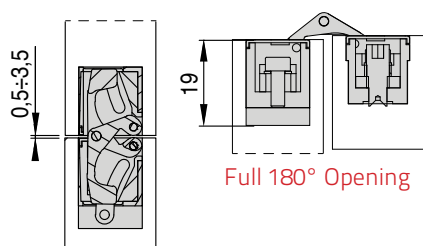
Timber Rebate Measurements



Hinge Measurements



BAC929 Diagrams

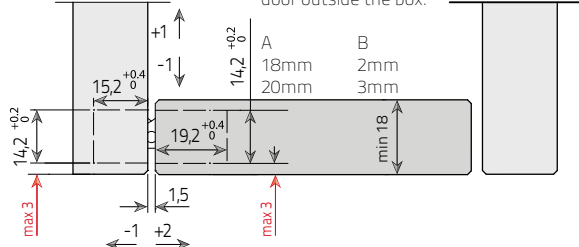


BAC929 Quick Facts

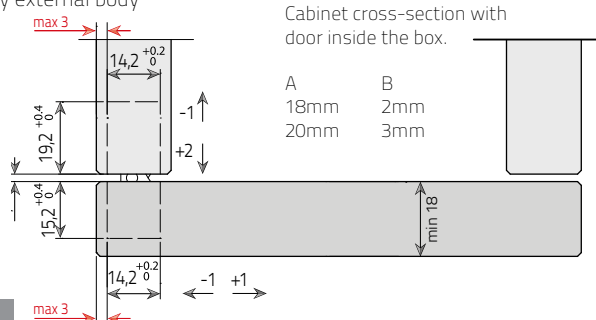
- 3D adjustable hinge for cupboards
- CEAM quick release system
- Available in multiple finishes
- 100% Made in Italy for over 50 years
- Suitable for high frequency opening doors
- Suitable for internal & external (under cover) locations
- Suitable for residential, commercial & industrial locations

- Mechanism made from Zinc-alloy
- Galvanized steel covers
- Fiberglass internal body
- Zinc-alloy external body

Cabinet cross-section with door outside the box.



Cabinet cross-section with door inside the box.



No. & Position of Hinges based on Door Height, Width & Weight

Use 4 x BAC929 Hinges

2000	18	18	18	18
1600	18	18	18	18
1200	18	18	18	18

Use 3 x BAC929 Hinges

1000	18	18	18	18
800	18	18	18	17
600	18	18	18	16
500	18	18	16	14

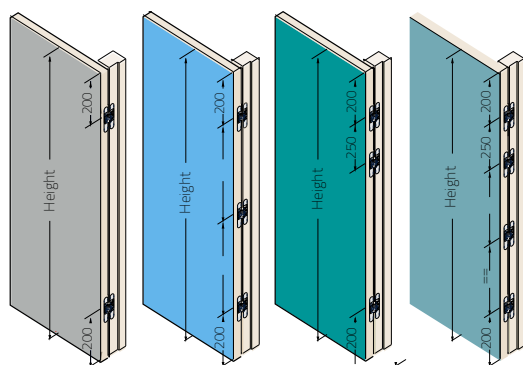
Use 2 x BAC929 Hinges

1000	14	14	14	13
800	14	14	14	12
600	14	14	14	11
500	14	14	12	10

h x w 500 600 700 800

Height x Width in mm | Weight in Kg

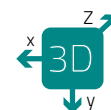
If used with a door closer, double the door weight.
A higher hinge class may be required - See page 58



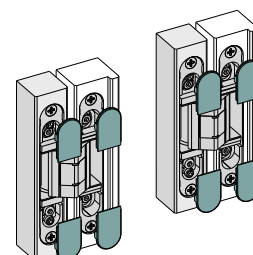
- 2 hinges
- 3 symmetrical hinges
- 3 asymmetrical hinges
- 4 hinges

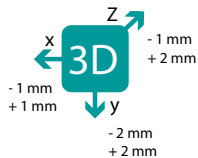
Use asymmetric for heavy usage or commercial use.

Adjustment



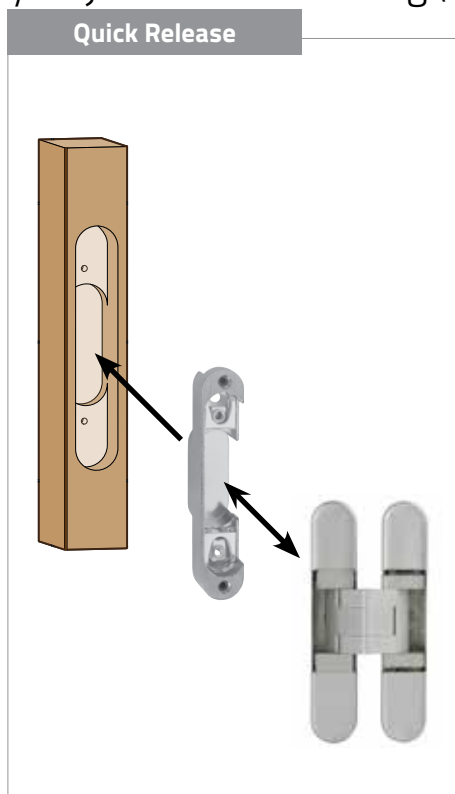
x -1 mm / +1 mm
y -2 mm / +2 mm
z -1 mm / +2 mm





3D Concealed Hinge BAC929 Functional Data

Fully Adjustable: Max 18kg (based on door 2000 x 800mm)



The BAC929 3D adjustable concealed cupboard hinge is revolutionary in its design, and is rated to carry a 18kg cupboard door to 180° opening aperture.

A blended door to wall look and feel: once closed, the BAC929 hinge becomes invisible, hidden away by the jamb and the door butting up against each other.

Cupboard doors no longer need to be visually interrupted by the traditional butt hinge where the two leaves of the hinge meet and protrude out past the jamb.

The formal architectural composition of a wall can now continue without interruption, creating an aesthetically appealing appearance that is truly clean and elegant.

3D Fully Concealed Adjustable Hinge for Cupboards

Quick release: CEAM's quick release system is revolutionary - once the hinge is installed, you never need to touch the door or jamb again.

The hinge sits within a cup, which is rebated and fixed to the door and jamb. The hinge is then fastened to the cup. As a result, if the door needs to come down, all you do is unscrew the locking bolts and remove the hinge from the cup.

The door can be removed and reinstalled for painting and adjustments without damaging timber or paint work, saving time and money.

Door movement: over time, this can be an expensive problem to fix. Not with the BAC929 3D adjustable hinge; it specifically caters for door movement.

When movement occurs, a door may not close properly or rub the paintwork. With a traditional hinge, to fix this requires the door to come down, and then the door and/or jamb needs to be planed and repainted; a costly and time consuming effort.

Using the BAC929, simply adjust the position of the door via the settings within the hinge. This adjustment is done without the door coming down.



BAC929 Quick Facts

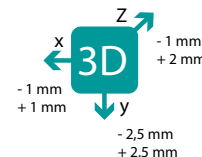
Min. door thickness	18mm
Max. door weight	18kg (subject to door dimensions)
Narrow timber rebate	15mm (ideal for thin jambs)
Gap when closed	2mm
Working aperture	180°
Manufacturing location	100% Made in Italy
Reliability	Certified to over 200,000 cycles
Adjustable	3D adjustment on 3 (X,Y,Z) axes
Quick Release	CEAM quick release system, never need to touch the door or jamb again



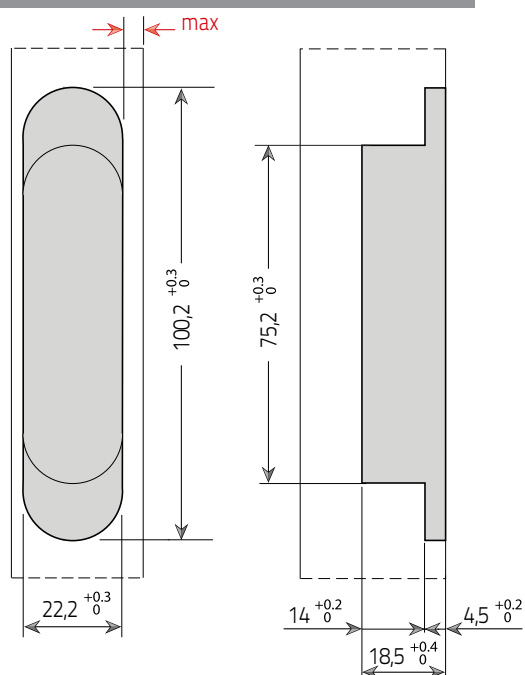
BAC929 Order Codes	
BAC929SI	Silver
BAC929NI	Polished Nickel
BAC929BL	Black
BAC929WH	White
BACJIG929-BACT929	Jig & hinge template (rent or buy) pg. 59 - 61

3D Concealed Hinge BAC1129 Technical Data

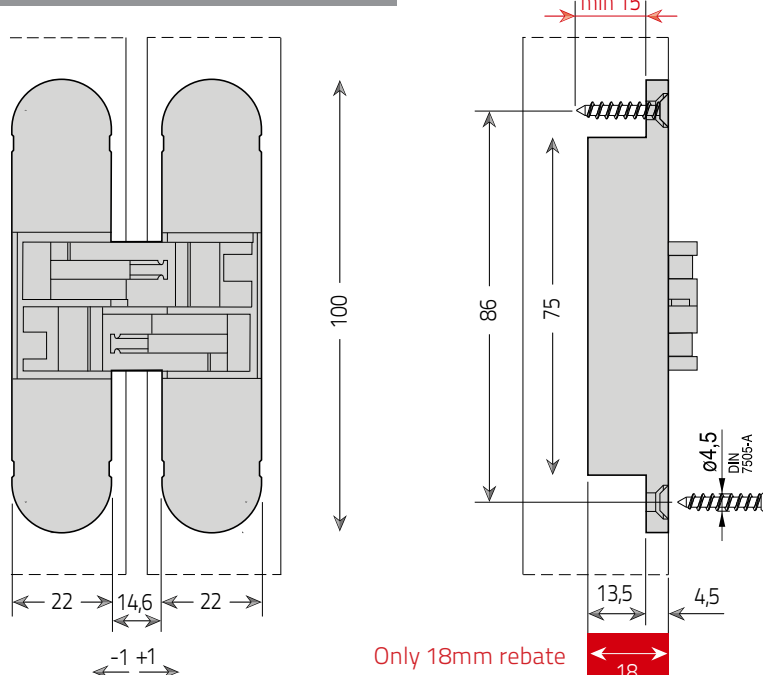
Fully Adjustable: Max 38kg (based on door 2500 x 1300mm)



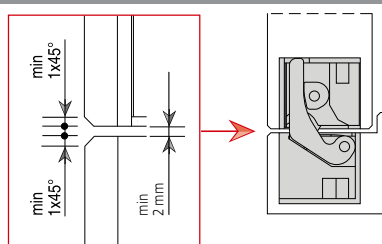
Timber Rebate Measurements



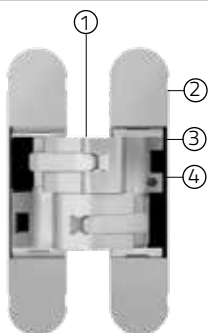
Hinge Measurements



BAC1129 Diagrams



Min 2mm gap between door and jamb

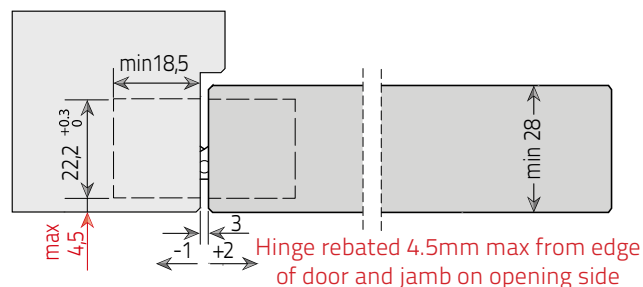


- 1 Mechanism made from Zinc-alloy
- 2 Galvanized steel covers
- 3 Zinc-alloy internal body
- 4 Zinc-alloy external body

Full 180° Opening

BAC1129 Quick Facts

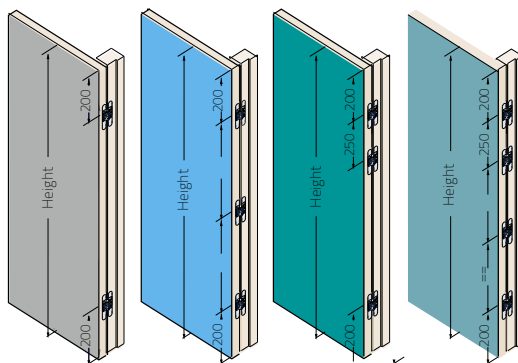
- 3D adjustable
- CEAM quick release system
- Available in multiple finishes
- 100% Made in Italy for over 50 years
- Suitable for high frequency opening doors
- Jig & router template available for easy installation
- Suitable for internal & external (under cover) locations
- Suitable for residential, commercial & industrial locations



No. & Position of Hinges based on Door Height, Width & Weight

4 x BAC1129 for doors 2400 - 2500mm high							
2500	38	38	38	38	38	33	29
2400	38	38	38	38	37	31	28
3 x BAC1129 for doors 2000 - 2300mm high							
2300	38	38	38	38	34	29	26
2200	38	38	38	37	31	27	25
2100	38	38	38	34	29	26	24
2000	38	38	38	31	27	24	23
2 x BAC1129 for doors 1900 - 2200mm high							
2200	25	25	25	25	21	19	17
2100	25	25	25	23	20	18	16
2000	25	25	25	21	18	17	16
1900	25	25	23	19	17	16	15
h x w	700	800	900	1000	1100	1200	1300
Height x Width in mm Weight in Kg							

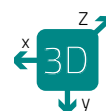
If used with a door closer, double the door weight.
A higher hinge class may be required - See page 58



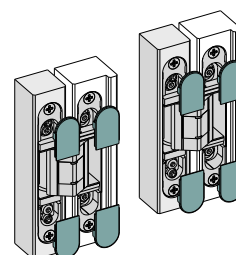
- 2 hinges
- 3 symmetrical hinges
- 3 asymmetrical hinges
- 4 hinges

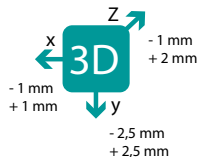
Use asymmetric for heavy usage or commercial use.

Adjustment



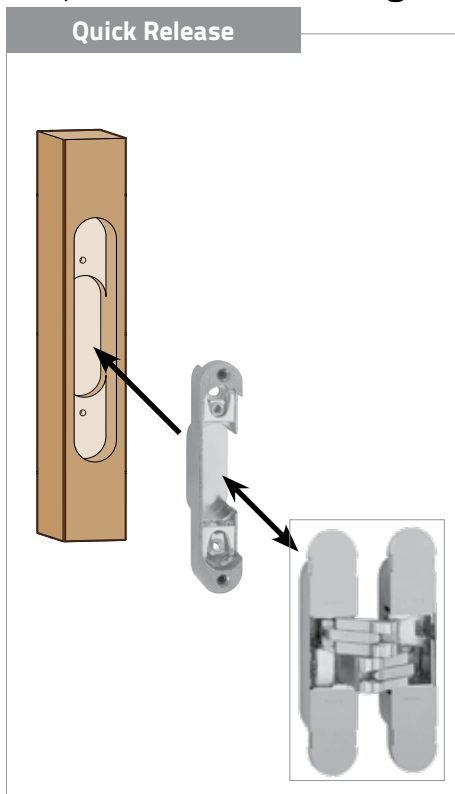
- x - 1 mm / +1 mm
- y - 2,5 mm / +2,5 mm
- z - 1 mm / +2 mm





3D Concealed Hinge BAC1129 Functional Data

Fully Adjustable: Max 38kg (based on door 2500 x 1300mm)



The BAC1129 3D adjustable concealed hinge is revolutionary in its design, and is rated to carry a 38kg door to 180° opening aperture.

A blended door to wall look and feel: once closed, the BAC1129 hinge becomes invisible, hidden away by the jamb and the door butting up against each other.

Walls no longer need to be visually interrupted by the traditional butt hinge where the two leaves of the hinge meet and protrude out past the jamb.

The formal architectural composition of a wall can now continue without interruption, creating an aesthetically appealing appearance that is truly clean and elegant.

Quick release: CEAM's quick release system is revolutionary - once the hinge is installed, you never need touch the door or jamb again.

The hinge sits within a cup, which is rebated and fixed to the door and jamb. The hinge is then fastened to the cup. As a result, if the door needs to come down, all you do is unscrew the locking bolts and remove the hinge from the cup.

The door can be removed and reinstalled for painting and adjustments without damaging timber or paint work, saving time and money.

Door movement: over time, this can be an expensive problem to fix. Not with the BAC1129 3D adjustable hinge; it specifically caters for door movement.

When movement occurs, a door may not close properly or may rub the paintwork. With traditional hinges, to fix this requires the door to come down, and then the door and/or jamb needs to be planed and repainted; a costly and time consuming effort.

Using the BAC1129, simply adjust the position of the door via the settings within the hinge. This adjustment is done without the door coming down.



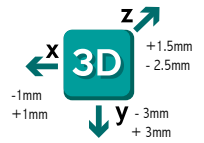
BAC1129 Quick Facts

Min. door thickness	28mm
Max. door weight	38kg (subject to door dimensions)
Narrow timber rebate	18mm (ideal for thin jambs)
Gap when closed	2mm
Working aperture	180°
Manufacturing location	100% Made in Italy
Reliability	Certified to over 200,000 cycles
Adjustable	3D adjustment on 3 (X,Y,Z) axes
Quick Release	CEAM quick release system, never need to touch the door or jamb again



BAC1129 Order Codes

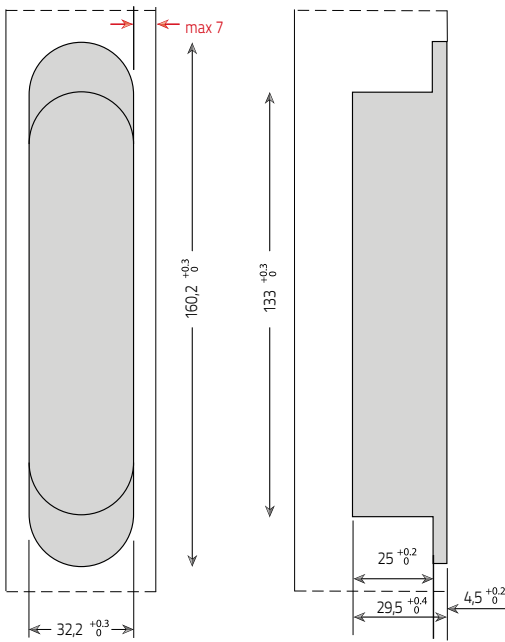
BAC1129SI	Silver
BAC1129NI	Polished Nickel
BAC1129PB	Polished Brass
BAC1129WH	White (Cover Plates Only)
BAC1129BL	Black (Cover Plates Only)
BAC1129BZ	Bronze
BACJIGX3-BACT1129	Jig & hinge template (rent or buy) pg. 59 - 61



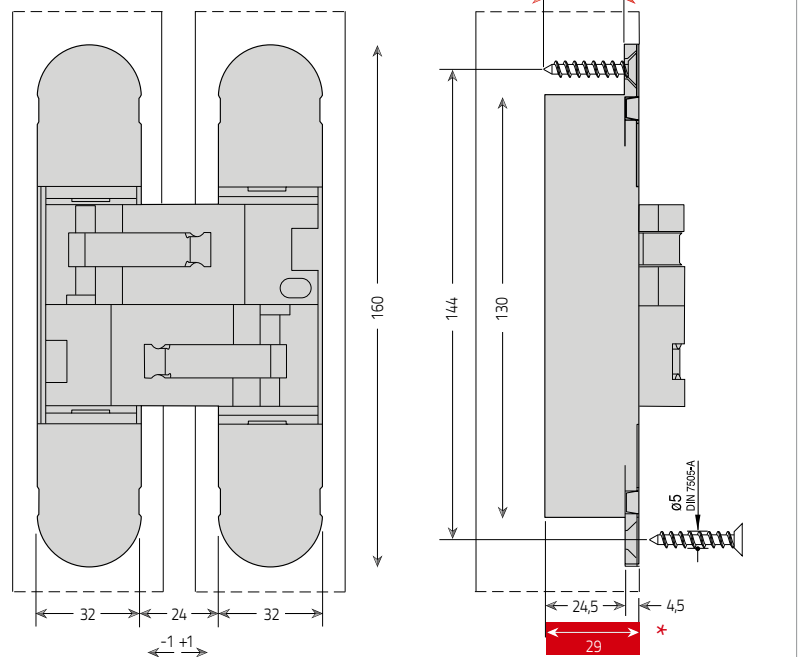
3D Concealed Hinge BAC1131S Technical Data

Fully Adjustable: Max 120kg (based on door 3000 x 1300mm)

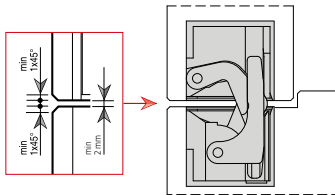
Timber Rebate Measurements



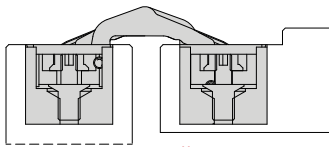
Hinge Measurements



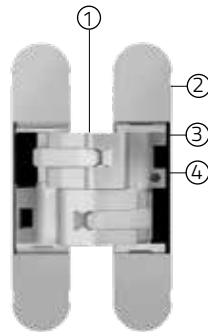
BAC1131S Diagrams



Min 2mm gap between door and jamb



Full 180° Opening



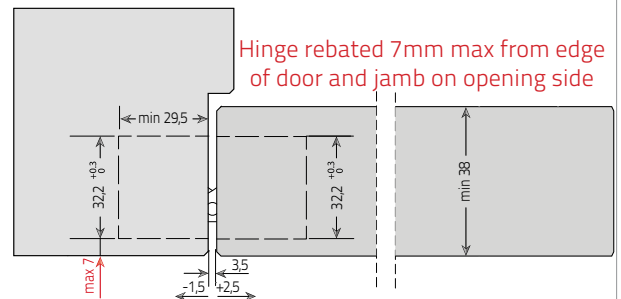
- 1 Mechanism made from Zinc-alloy
- 2 Galvanized steel covers
- 3 Zinc-alloy internal body
- 4 Zinc-alloy external body

BAC1131S Quick Facts

- 3D adjustable
- CEAM quick release system
- 100% Made in Italy for over 50 years
- Suitable for high frequency opening doors
- Jig & router template available for easy of installation
- Suitable for internal & external (under cover) locations
- Suitable for residential, commercial & industrial locations

Only 29mm rebate

Hinge rebated 7mm max from edge of door and jamb on opening side



4 x BAC1131 for doors 2700 - 3000mm high

3000	120	120	120	120	120	120	120
2900	120	120	120	120	120	120	120
2800	120	120	120	120	120	120	112
2700	120	120	120	120	120	120	105

3 x BAC1131 for doors 2000 - 2600mm high

2600	120	120	120	120	120	114	98
2500	120	120	120	120	120	105	92
2400	120	120	120	120	115	98	87
2300	120	120	120	120	106	92	83
2200	120	120	120	117	98	86	78
2100	120	120	120	107	91	82	75
2000	120	120	120	98	85	77	71

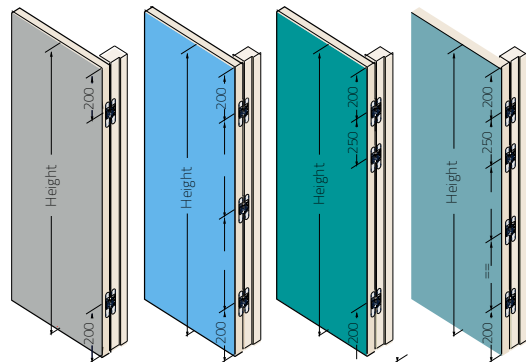
2 x BAC1131 for doors 1900 - 2200mm high

2200	80	80	80	78	66	59	54
2100	80	80	80	72	62	56	52
2000	80	80	80	66	58	53	49
1900	80	80	73	62	55	51	47
h x w	700	800	900	1000	1100	1200	1300

Height x Width in mm | Weight in Kg

No. & Position of Hinges based on Door Height, Width & Weight

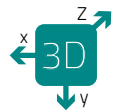
If used with a door closer, double the door weight.
A higher hinge class may be required - See page 58



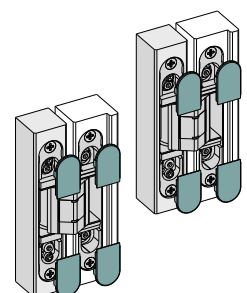
- 2 hinges
- 3 symmetrical hinges
- 3 asymmetrical hinges
- 4 hinges

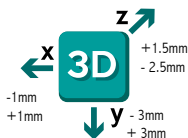
Use asymmetric for heavy usage or commercial use.

Adjustment



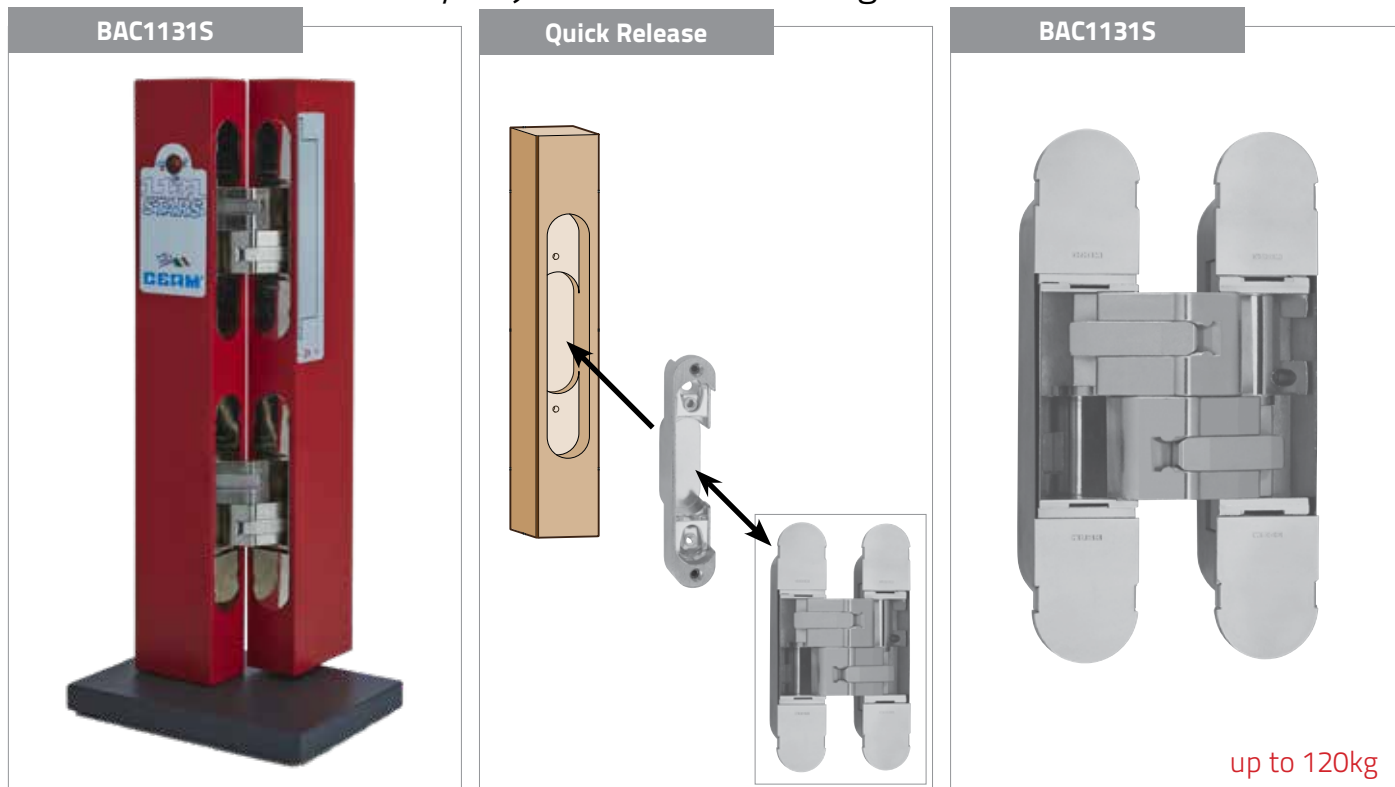
- x - 1 mm / + 1 mm
- y - 3 mm / + 3 mm
- z - 1.5 mm / + 2.5 mm





3D Concealed Hinge BAC1131S Functional Data

Fully Adjustable: Max 120kg (based on door 3000 x 1300mm)



The BAC1131S 3D adjustable concealed hinge is revolutionary in its design and is rated to carry a 120kg door to 180° opening aperture.

A blended door to wall look and feel: once closed, the BAC1131S hinge becomes invisible, hidden away by the jamb and the door butting up against each other.

Walls no longer need to be visually interrupted by the traditional butt hinge where the two leaves of the hinge meet and protrude out past the jamb.

The formal architectural composition of a wall can now continue without interruption, creating an aesthetically appealing appearance that is truly clean and elegant.

Quick release: CEAM's quick release system is revolutionary - once the hinge is installed, you never need touch the door or jamb again.

The hinge sits within a cup, which is rebated and fixed to the door and jamb. The hinge is then fastened to the cup. As a result, if the door needs to come down, all you do is unscrew the locking bolts and remove the hinge from the cup.

The door can be removed and reinstalled for painting and adjustments without damaging timber or paint work, saving time and money.

Door movement: over time, this can be an expensive problem to fix. Not with the BAC1131S 3D adjustable hinge; it specifically caters for door movement.

When movement occurs, a door may not close properly or rub the paintwork. With traditional hinges, to fix requires the door to come down, and then the door and/or jamb needs to be planed and repainted; a costly and time consuming effort.

Using the BAC1131S, simply adjust the position of the door via the settings within the hinge. This adjustment is done without the door coming down.



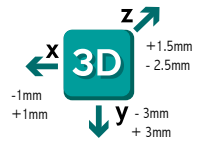
BAC1131S Quick Facts

Min. door thickness	38mm
Max. door weight	120kg (subject to door dimensions)
Narrow timber rebate	29mm
Gap when closed	2mm
Working aperture	180°
Manufacturing location	100% Made in Italy
Reliability	Certified to over 200,000 cycles
Adjustable	3D adjustment on 3 (X,Y,Z) axes
Quick Release	CEAM quick release system, never need to touch the door or jamb again



BAC1131S Order Codes

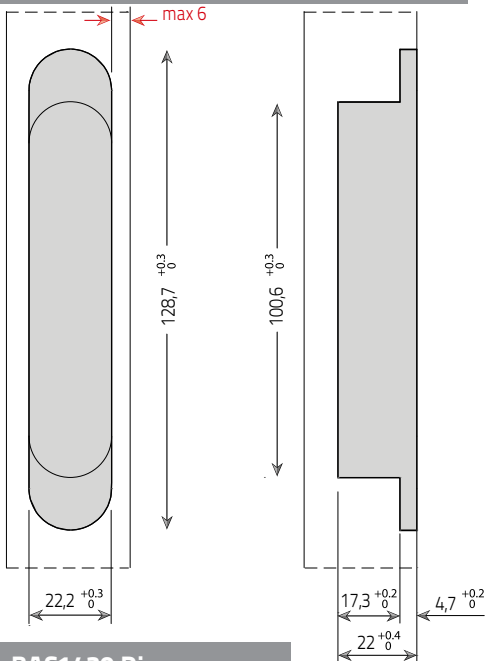
BAC1131SSI	Silver
BAC1131SNI	Polished Nickel
BAC1131SPB	Polished Brass
BAC1131SBZ	Bronze
BAC1131SBL	Black
BACJIGX3-BACT1131	Jig & hinge template (rent / buy) pg. 59 - 61



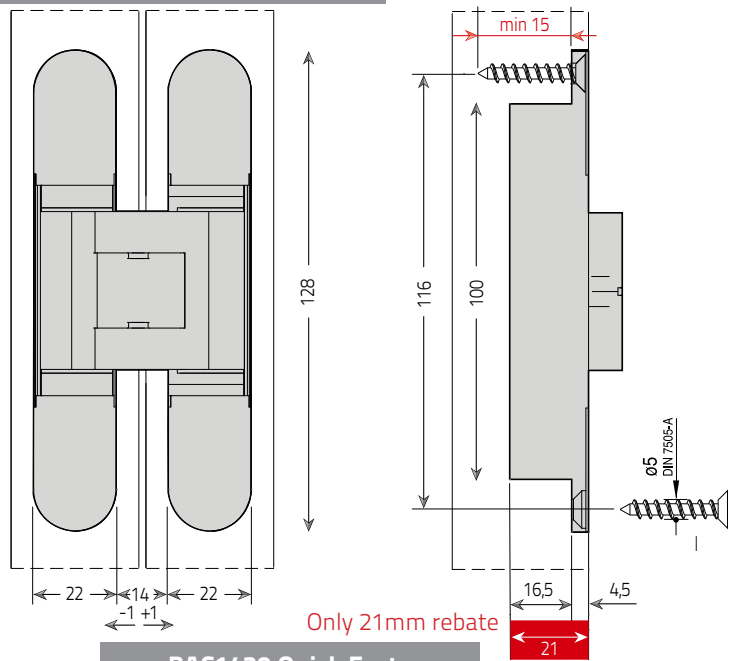
3D Concealed Hinge BAC1430 Technical Data

Fully Adjustable: Max 65kg (based on door 3000 x 1300mm)

Timber Rebate Measurements

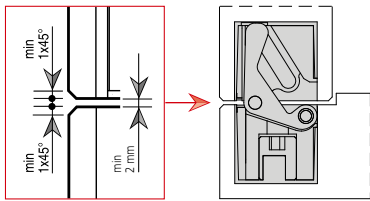


Hinge Measurements

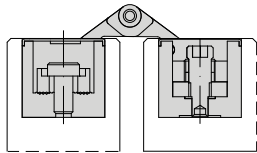


Only 21mm rebate

BAC1430 Diagrams



Min 2mm gap between door and jamb



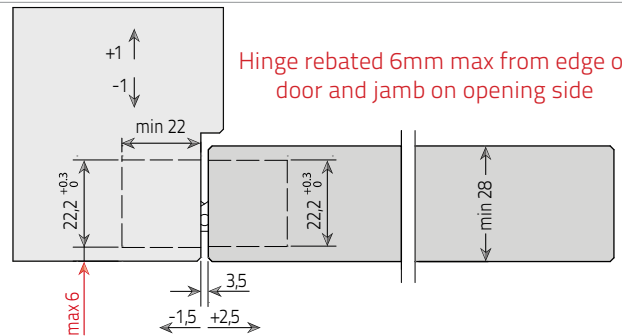
Full 180° Opening

- 1 Mechanism made from Zinc-alloy
- 2 Galvanized steel covers
- 3 Zinc-alloy internal body
- 4 Zinc-alloy external body

BAC1430 Quick Facts

- 3D adjustable
- CEAM quick release system
- Available in multiple finishes
- 100% Made in Italy for over 50 years
- Suitable for high frequency opening doors
- Jig & router template available for easy installation
- Suitable for internal & external (under cover) locations
- Suitable for residential, commercial & industrial locations

Hinge rebated 6mm max from edge of door and jamb on opening side



4 x BAC1430 for doors 2700 - 3000mm high

3000	65	65	65	65	65	65	65
2900	65	65	65	65	65	65	65
2800	65	65	65	65	65	65	61
2700	65	65	65	65	65	65	57

3 x BAC1430 for doors 2000 - 2600mm high

2600	65	65	65	65	65	61	53
2500	65	65	65	65	65	57	50
2400	65	65	65	65	62	53	47
2300	65	65	65	65	57	50	45
2200	65	65	65	63	53	47	42
2100	65	65	65	58	49	44	40
2000	65	65	65	53	46	42	39

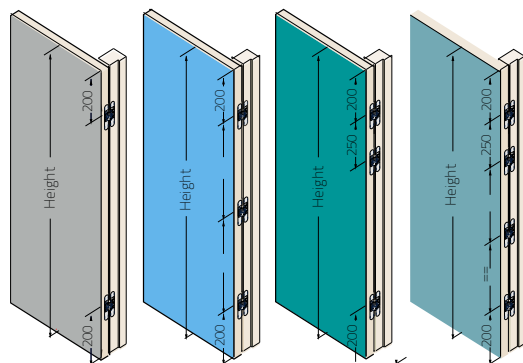
2 x BAC1430 for doors 1900 - 2200mm high

2200	50	50	50	49	41	37	34
2100	50	50	50	45	39	35	32
2000	50	50	50	41	36	33	31
1900	50	50	45	38	34	32	29
h x w	700	800	900	1000	1100	1200	1300

Height x Width in mm | Weight in Kg

No. & Position of Hinges based on Door Height, Width & Weight

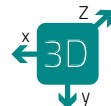
If used with a door closer, double the door weight.
A higher hinge class may be required - See page 58



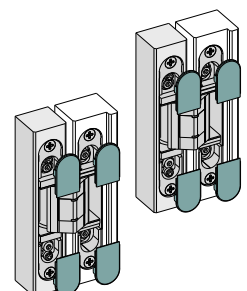
- 2 hinges
- 3 symmetrical hinges
- 3 asymmetrical hinges
- 4 hinges

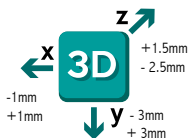
Use asymmetric for heavy usage or commercial use.

Adjustment



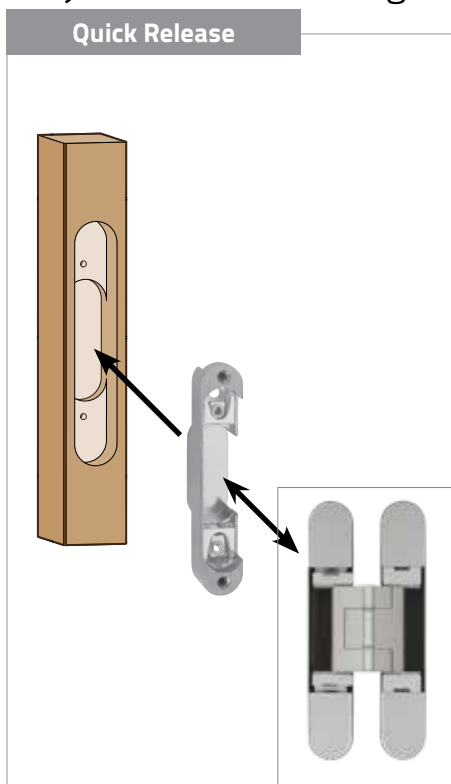
- X - 1 mm / + 1 mm
- Y - 3 mm / + 3 mm
- Z - 1.5 mm / + 2.5 mm





3D Concealed Hinge BAC1430 Functional Data

Fully Adjustable: Max 65kg (based on door 3000 x 1300mm)



The BAC1430 3D adjustable concealed hinge is revolutionary in its design and is rated to carry a 65kg door to 180° opening aperture.

A blended door to wall look and feel: once closed, the BAC1430 hinge becomes invisible, hidden away by the jamb and the door butting up against each other.

Walls no longer need to be visually interrupted by the traditional butt hinge where the two leaves of the hinge meet and protrude out past the jamb.

The formal architectural composition of a wall can now continue without interruption, creating an aesthetically appealing appearance that is truly clean and elegant.

Quick release: CEAM's quick release system is revolutionary - once the hinge is installed, you never need touch the door or jamb again.

The hinge sits within a cup, which is rebated and fixed to the door and jamb. The hinge is then fastened to the cup. As a result, if the door needs to come down, all you do is unscrew the locking bolts and remove the hinge from the cup.

The door can be removed and reinstalled for painting and adjustments without damaging timber or paint work, saving time and money.

Door movement: over time, this can be an expensive problem to fix. Not with the BAC1430 3D adjustable hinge; it specifically caters for door movement.

When movement occurs, a door may not close properly or rub the paintwork. With traditional hinges, to fix this requires the door to come down, and then the door and/or jamb needs to be planed and repainted; a costly and time consuming effort.

Using the BAC1430, simply adjust the position of the door via the settings within the hinge. This adjustment is done without the door coming down.



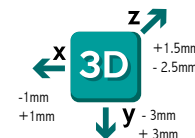
BAC1430 Quick Facts

Min. door thickness	28mm
Max. door weight	65kg (subject to door dimensions)
Narrow timber rebate	21mm (ideal for thin jambs)
Gap when closed	2mm
Working aperture	180°
Manufacturing location	100% Made in Italy
Reliability	Certified to over 200,000 cycles
Adjustable	3D adjustment on 3 (X,Y,Z) axes
Quick Release	CEAM quick release system, never need to touch the door or jamb again



BAC1430 Order Codes

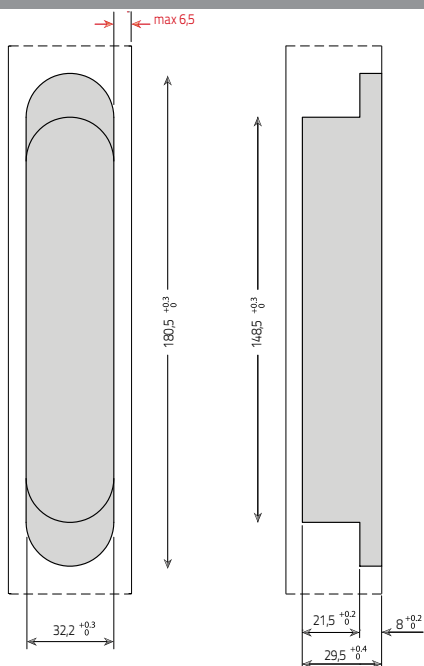
BAC1430SI	Silver
BAC1430PB	Polished Brass
BAC1430BL	Black
BAC1430WH	White
BAC1430BZ	Bronze
BAC1430SN	Satin Nickel
BAC1430CR	Polished Chrome
BACJIGX3-BACT1430	Jig & hinge template (rent or buy) pg. 59 - 61



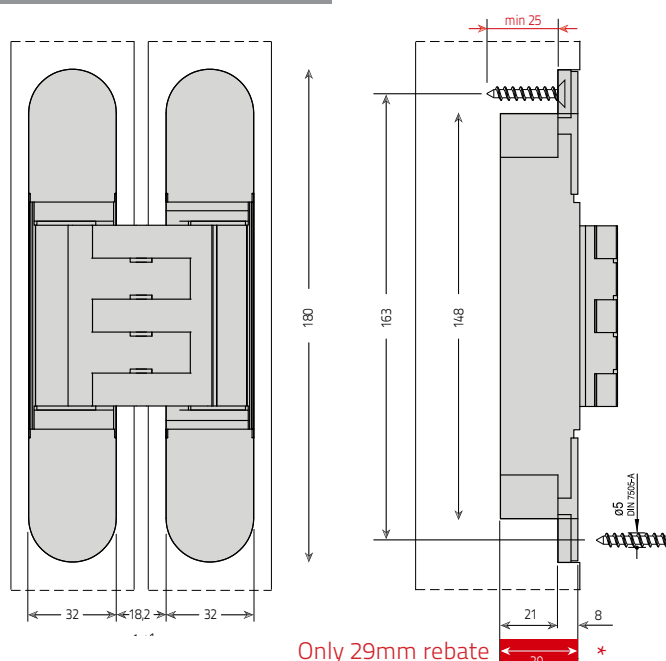
3D Concealed Hinge BAC1431 Technical Data

Fully Adjustable: Max 135kg (based on door 3000 x 1300mm)

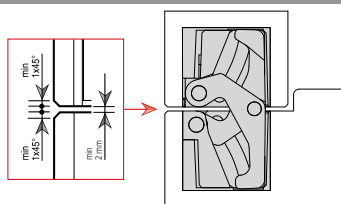
Timber Rebate Measurements



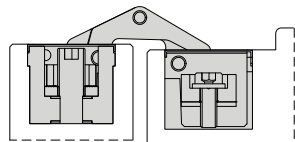
Hinge Measurements



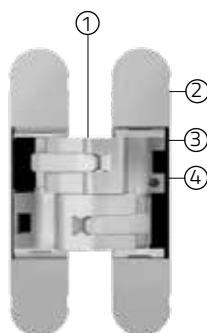
BAC1431 Diagrams



Min 2mm gap between door and jamb



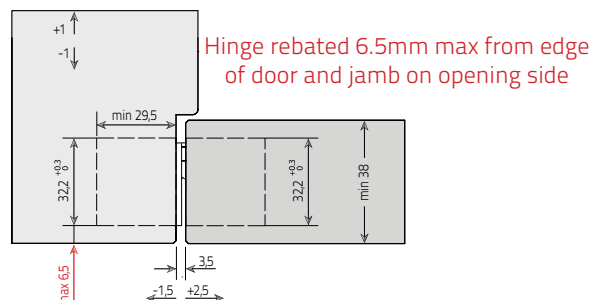
Full 180° Opening



- 1 Mechanism made from Zinc-alloy
- 2 Galvanized steel covers
- 3 Zinc-alloy internal body
- 4 Zinc-alloy external body

BAC1431 Quick Facts

- 3D adjustable
- CEAM quick release system
- Available in multiple finishes
- 100% Made in Italy for over 50 years
- Suitable for high frequency opening doors
- Jig & router template available for easy installation
- Suitable for internal & external (under cover) locations
- Suitable for residential, commercial & industrial locations



4 x BAC1431 for doors 2700 - 3000mm high

3000	135	135	135	135	135	135	135
2900	135	135	135	135	135	135	135
2800	135	135	135	135	135	135	126
2700	135	135	135	135	135	135	118

3 x BAC1431 for doors 2000 - 2600mm high

2600	135	135	135	135	135	128	110
2500	135	135	135	135	135	119	104
2400	135	135	135	135	130	110	98
2300	135	135	135	135	119	103	98
2200	135	135	135	132	110	97	88
2100	135	135	135	120	103	92	84
2000	135	135	135	110	96	87	80

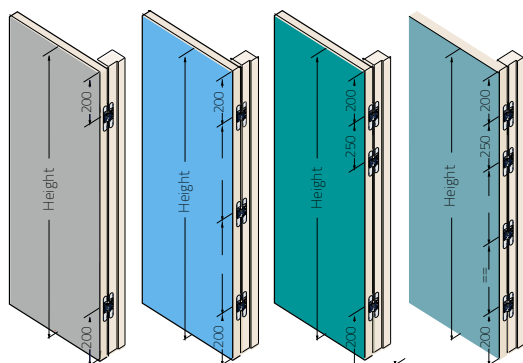
2 x BAC1431 for doors 1900 - 2200mm high

2200	120	120	120	118	100	89	81
2100	120	120	120	108	94	84	78
2000	120	120	120	100	88	80	74
1900	120	120	109	93	83	76	71
h x w	700	800	900	1000	1100	1200	1300

Height x Width in mm | Weight in Kg

No. & Position of Hinges based on Door Height, Width & Weight

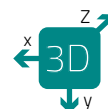
If used with a door closer, double the door weight.
A higher hinge class may be required - See page 58



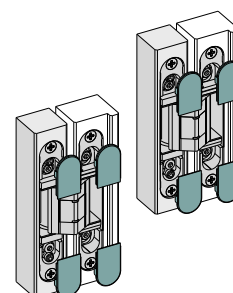
- 2 hinges
- 3 symmetrical hinges
- 3 asymmetrical hinges
- 4 hinges

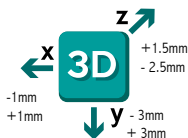
Use asymmetric for heavy usage or commercial use.

Adjustment



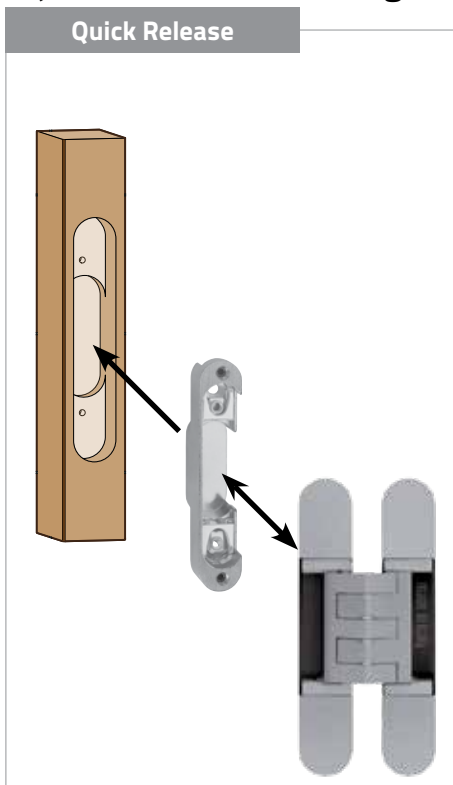
- x - 1 mm / + 1 mm
- y - 3 mm / + 3 mm
- z - 1.5 mm / + 2.5 mm





3D Concealed Hinge BAC1431 Functional Data

Fully Adjustable: Max 135kg (based on door 3000 x 1300mm)



The BAC1431 3D adjustable concealed hinge is revolutionary in its design and is rated to carry a 135kg door to 180° opening aperture.

A blended door to wall look and feel: once closed, the BAC1431 hinge becomes invisible, hidden away by the jamb and the door butting up against each other.

Walls no longer need to be visually interrupted by the traditional butt hinge where the two leaves of the hinge meet and protrude out past the jamb.

The formal architectural composition of a wall can now continue without interruption, creating an aesthetically appealing appearance that is truly clean and elegant.

Quick release: CEAM's quick release system is revolutionary - once the hinge is installed, you never need touch the door or jamb again.

The hinge sits within a cup, which is rebated and fixed to the door and jamb. The hinge is then fastened to the cup. As a result, if the door needs to come down, all you do is unscrew the locking bolts and remove the hinge from the cup.

The door can be removed and reinstalled for painting and adjustments without damaging timber or paint work, saving time and money.

Door movement: over time, this can be an expensive problem to fix. Not with the BAC1431 3D adjustable hinge; it specifically caters for door movement.

When movement occurs, a door may not close properly or rub the paintwork. With traditional hinges, to fix this requires the door to come down, and then the door and/or jamb needs to be planed and repainted; a costly and time consuming effort.

Using the BAC1431, simply adjust the position of the door via the settings within the hinge. This adjustment is done without the door coming down.



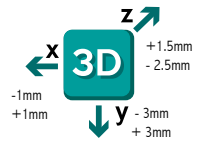
BAC1431 Quick Facts	
Min. door thickness	38mm
Max. door weight	135kg (subject to door dimensions)
Narrow timber rebate	29mm
Gap when closed	2mm
Working aperture	180°
Manufacturing location	100% Made in Italy
Reliability	Certified to over 200,000 cycles
Adjustable	3D adjustment on 3 (X,Y,Z) axes
Quick Release	CEAM quick release system, never need to touch the door or jamb again



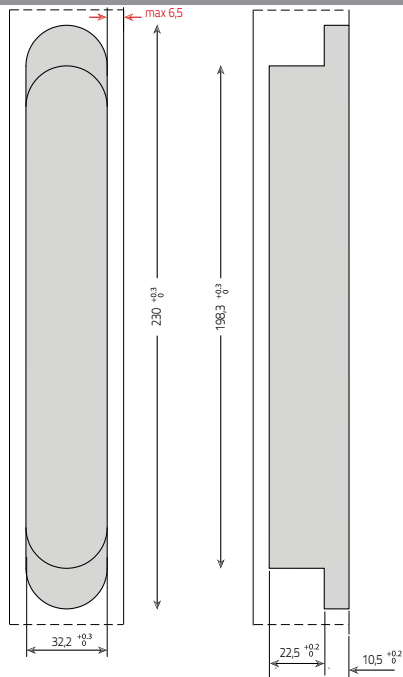
BAC1431 Order Codes	
BAC1431SI	Silver
BAC1431PB	Polished Brass
BAC1431BL	Black
BAC1431WH	White
BAC1431BZ	Bronze
BAC1431SN	Satin Nickel
BAC1431CR	Polished Chrome
BACJIGX3-BACT1431	Jig & hinge template (rent or buy) pg. 59 - 61

3D Concealed Hinge BAC1432 Technical Data

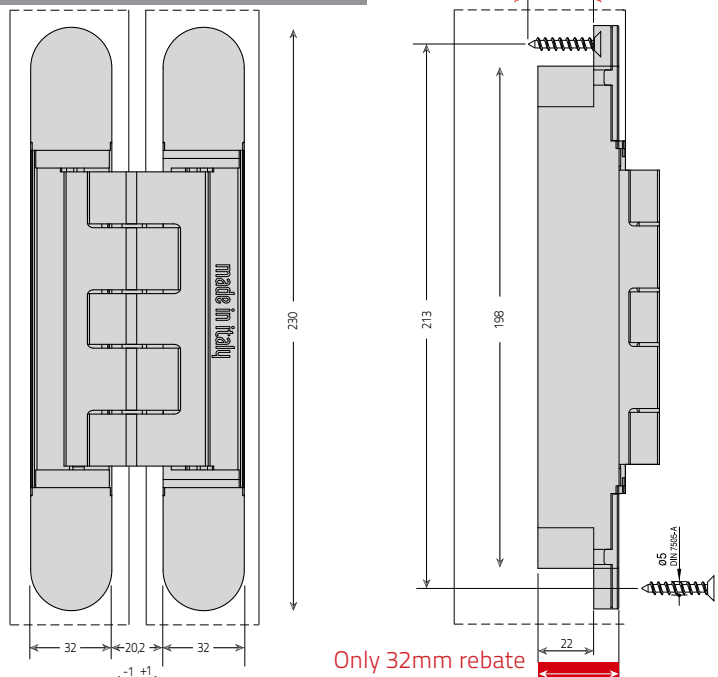
Fully Adjustable: Max 215kg (based on door 3000 x 1300mm)



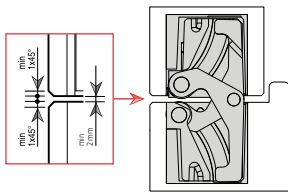
Timber Rebate Measurements



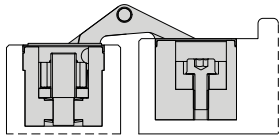
Hinge Measurements



BAC1432 Diagrams



Min 2mm gap between door and jamb

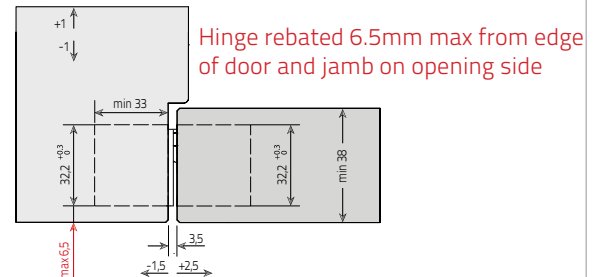


Full 180° Opening

- 1 Mechanism made from Zinc-alloy
- 2 Galvanized steel covers
- 3 Zinc-alloy internal body
- 4 Zinc-alloy external body

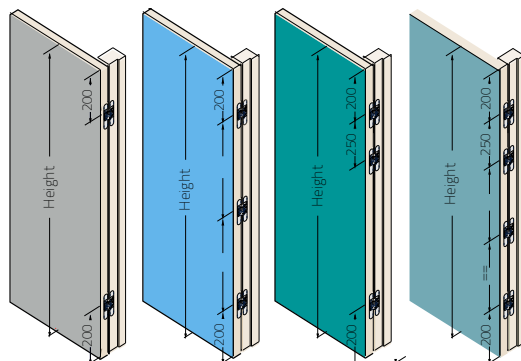
BAC1432 Quick Facts

- 3D adjustable
- CEAM quick release system
- Available in multiple finishes
- 100% Made in Italy for over 50 years
- Suitable for high frequency opening doors
- Jig & router template available for easy installation
- Suitable for internal & external (under cover) locations
- Suitable for residential, commercial & industrial locations



No. & Position of Hinges based on Door Height, Width & Weight

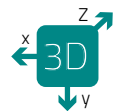
If used with a door closer, double the door weight.
A higher hinge class may be required - See page 58



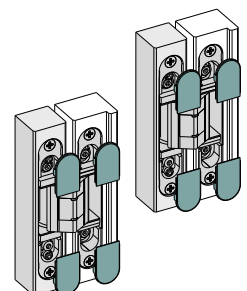
- 2 hinges
- 3 asymmetrical hinges
- 3 symmetrical hinges
- 4 hinges

Use asymmetric for heavy usage or commercial use.

Adjustment



- x - 1 mm / + 1 mm
- y - 3 mm / + 3 mm
- z - 1.5 mm / + 2.5 mm



4 x BAC1432 for doors 2700 - 3000mm high

3000	215	215	215	215	215	215	215
2900	215	215	215	215	215	215	215
2800	215	215	215	215	215	215	201
2700	215	215	215	215	215	215	188

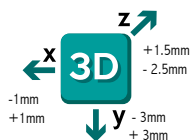
3 x BAC1432 for doors 2000 - 2600mm high

2600	215	215	215	215	215	204	176
2500	215	215	215	215	215	189	165
2400	215	215	215	215	207	176	156
2300	215	215	215	215	190	165	148
2200	215	215	215	210	176	155	141
2100	215	215	215	192	164	146	134
2000	215	215	215	176	153	138	128

2 x BAC1432 for doors 1900 - 2200mm high

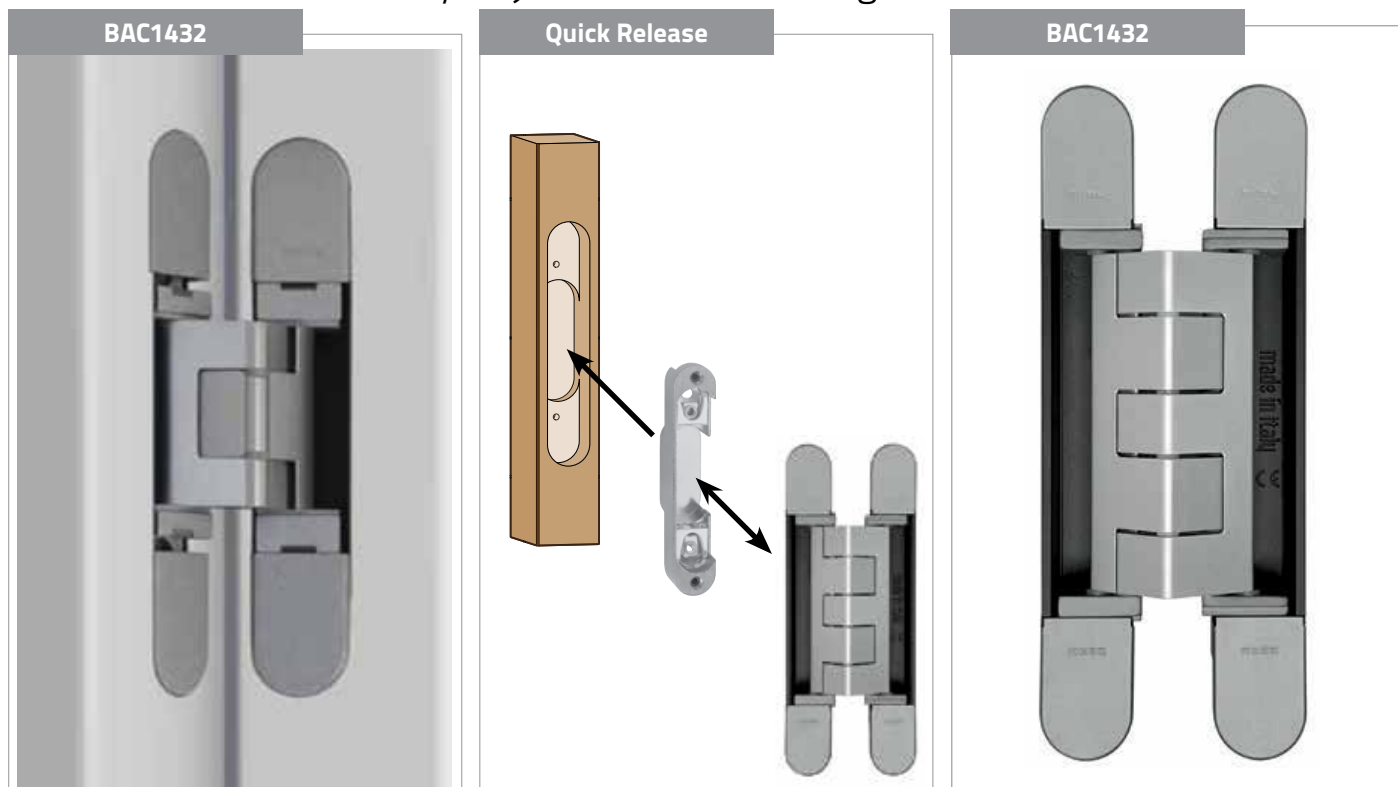
2200	180	180	180	176	150	133	122
2100	180	180	180	162	140	126	116
2000	180	180	180	150	132	120	111
1900	180	180	164	140	125	114	107
h x w	700	800	900	1000	1100	1200	1300

Height x Width in mm | Weight in Kg



3D Concealed Hinge BAC1432 Functional Data

Fully Adjustable: Max 215kg (based on door 3000 x 1300mm)



The BAC1432 3D adjustable concealed hinge is revolutionary in its design and is rated to carry a 215kg door to 180° opening aperture.

A blended door to wall look and feel: once closed, the BAC1432 hinge becomes invisible, hidden away by the jamb and the door butting up against each other.

Walls no longer need to be visually interrupted by the traditional butt hinge where the two leaves of the hinge meet and protrude out past the jamb.

The formal architectural composition of a wall can now continue without interruption, creating an aesthetically appealing appearance that is truly clean and elegant.

3D fully adjustable Concealed Hinge for heavy doors upto 215kg Solid Colour - including the knuckle

Quick release: CEAM's quick release system is revolutionary - once the hinge is installed, you never need touch the door or jamb again.

The hinge sits within a cup, which is rebated and fixed to the door and jamb. The hinge is then fastened to the cup. As a result, if the door needs to come down, all you do is unscrew the locking bolts and remove the hinge from the cup.

The door can be removed and reinstalled for painting and adjustments without damaging timber or paint work, saving time and money.

Door movement: over time, this can be an expensive problem to fix. Not with the BAC1432 3D adjustable hinge; it specifically caters for door movement.

When movement occurs, a door may not close properly or rub the paintwork. With traditional hinges, to fix this requires the door to come down, and then the door and/or jamb needs to be planed and repainted; a costly and time consuming effort.

Using the BAC1432, simply adjust the position of the door via the settings within the hinge. This adjustment is done without the door coming down.



BAC1432 Quick Facts

Min. door thickness	38mm
Max. door weight	215kg (subject to door dimentions)
Narrow timber rebate	32mm
Gap when closed	2mm
Working aperture	180°
Manufacturing location	100% Made in Italy
Reliability	Certified to over 200,000 cycles
Adjustable	3D adjustment on 3 (X,Y,Z) axes
Quick Release	CEAM quick release system, never need to touch the door or jamb again

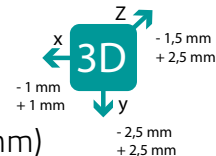


BAC1432 Order Codes

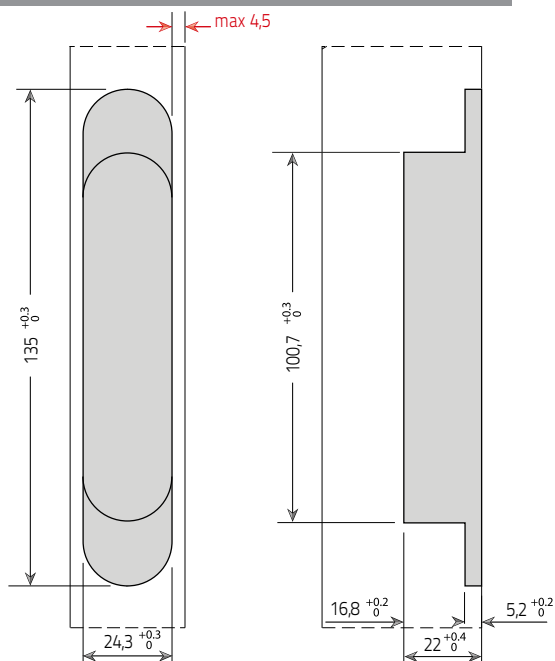
BAC1432SI	Silver
BAC1432PB	Polished Brass
BAC1432BL	Black
BAC1432WH	White
BAC1432BZ	Bronze
BAC1432SN	Satin Nickel
BACJIGX3-BACT1432	Jig & hinge template (rent or buy) pg. 59 - 61

3D Concealed Hinge BAC1130SS Technical Data

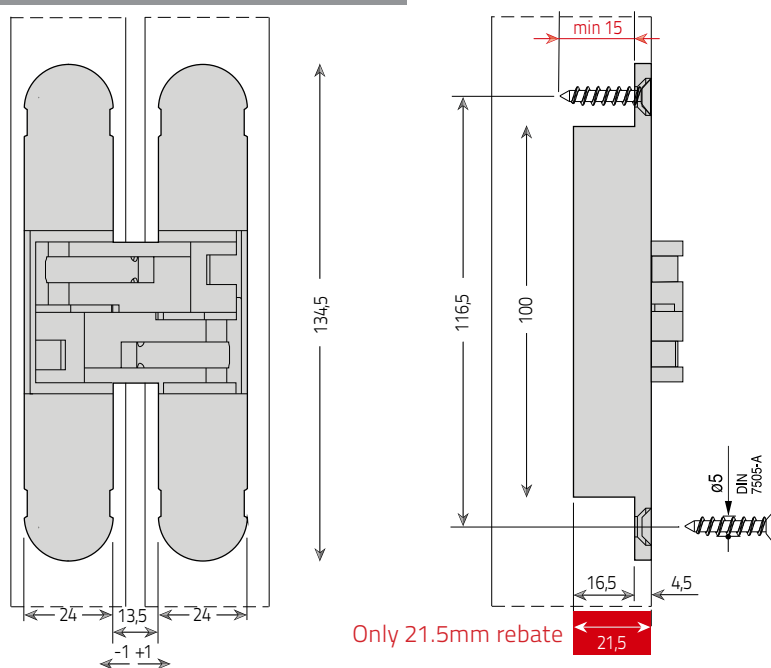
Fully Adjustable Stainless Steel: Max 70kg (based on door 3000 x 1300mm)



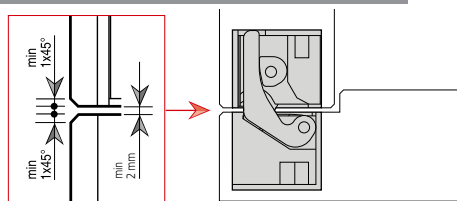
Timber Rebate Measurements



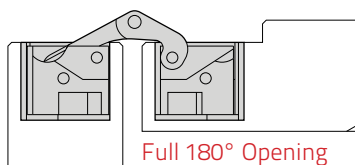
Hinge Measurements



BAC1130SS Diagrams



Min 2mm gap between door and jamb



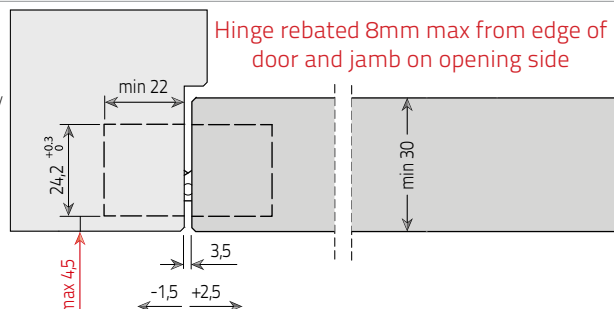
Full 180° Opening

- 1 Mechanism made from Zinc-alloy
- 2 Galvanized steel covers
- 3 Zinc-alloy internal body
- 4 Zinc-alloy external body

BAC1130SS Quick Facts

- 3D adjustable
- AISI 304L Stainless Steel
- CEAM quick release system
- 100% Made in Italy for over 50 years
- Suitable for high frequency opening doors
- Jig & router template available for easy of installation
- Suitable for internal & external locations
- Suitable for residential, commercial & industrial locations

Hinge rebated 8mm max from edge of door and jamb on opening side



4 x BAC1130SS for doors 2700 - 3000mm high

3000	70	70	70	70	70	70	70
2900	70	70	70	70	70	70	70
2800	70	70	70	70	70	70	65
2700	70	70	70	70	70	70	61

3 x BAC1130SS for doors 2000 - 2600mm high

2600	70	70	70	70	70	66	57
2500	70	70	70	70	70	61	54
2400	70	70	70	70	67	57	51
2300	70	70	70	70	62	54	48
2200	70	70	70	68	57	50	46
2100	70	70	70	62	53	47	44
2000	70	70	70	57	50	45	42

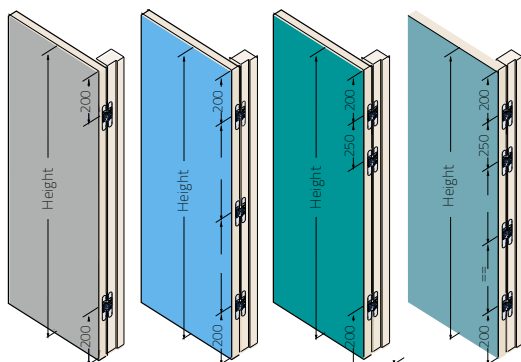
2 x BAC1130SS for doors 1900 - 2200mm high

2200	55	55	55	54	46	41	37
2100	55	55	55	50	43	39	36
2000	55	55	55	46	41	37	34
1900	55	55	50	43	38	35	33
h x w	700	800	900	1000	1100	1200	1300

Height x Width in mm | Weight in Kg

No. & Position of Hinges based on Door Height, Width & Weight

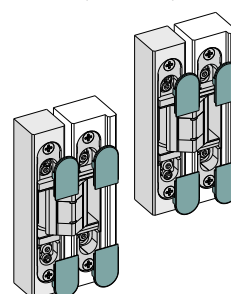
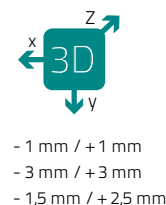
If used with a door closer, double the door weight.
A higher hinge class may be required - See page 58

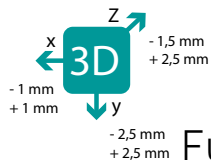


- 2 hinges
- 3 symmetrical hinges
- 3 asymmetrical hinges
- 4 hinges

Use asymmetric for heavy usage or commercial use.

Adjustment





3D Concealed Hinge BAC1130SS Functional Data

Fully Adjustable Stainless Steel: Max 70kg (based on door 3000 x 1300mm)



AISI 304L Stainless Steel - Suitable for All Environments

The BAC1130SS is made from AISI 304L Stainless Steel making them ideally suited for internal and external environments, and is rated to carry upto 70kg door to 180° opening aperture.

A blended door to wall look and feel: once closed, the BAC1130SS hinge becomes invisible, hidden away by the jamb and the door butting up against each other.

Walls no longer need to be visually interrupted by the traditional butt hinge where the two leaves of the hinge meet and protrude out past the jamb.

The formal architectural composition of a wall can now continue without interruption, creating an aesthetically appealing appearance that is truly clean and elegant.

Quick release: CEAM's quick release system is revolutionary - once the hinge is installed, you never need touch the door or jamb again.

The hinge sits within a cup, which is rebated and fixed to the door and jamb. The hinge is then fastened to the cup. As a result, if the door needs to come down, all you do is unscrew the locking bolts and remove the hinge from the cup.

The door can be removed and reinstalled for painting and adjustments without damaging timber or paint work, saving time and money.

Door movement: over time, this can be an expensive problem to fix. Not with the BAC1130SS 3D adjustable hinge; it specifically caters for door movement.

When movement occurs, a door may not close properly or rub the paintwork. With traditional hinges, to fix requires the door to come down, and then the door and/or jamb needs to be planed and repainted; a costly and time consuming effort.

Using the BAC1130SS, simply adjust the position of the door via the settings within the hinge. This adjustment is done without the door coming down.

As an added benefit, being made of stainless steel, the BAC1130SS hinge's base material brings peace of mind. You know it's going to last, whilst also giving you flexibility as to where you can use it: internally as well as externally.

BAC1130SS Quick Facts

Min. door thickness	30mm
Max. door weight	70kg (subject to door dimentions)
Narrow timber rebate	21.5mm (ideal for thin jambs)
Gap when closed	2mm
Working aperture	180°
Manufacturing location	100% Made in Italy
Reliability	Certified to over 200,000 cycles
Adjustable	3D adjustment on 3 (X,Y,Z) axes
Quick Release	CEAM quick release system, never need to touch the door or jamb again

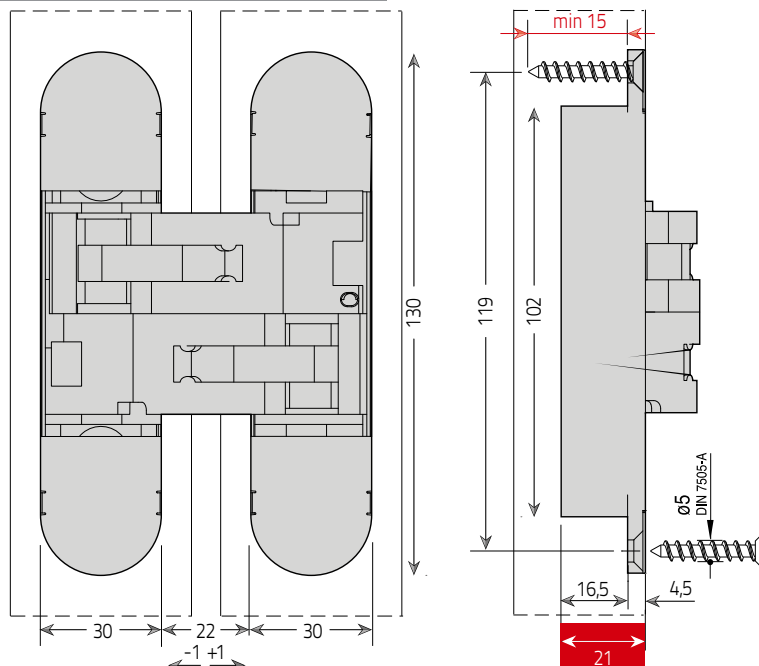
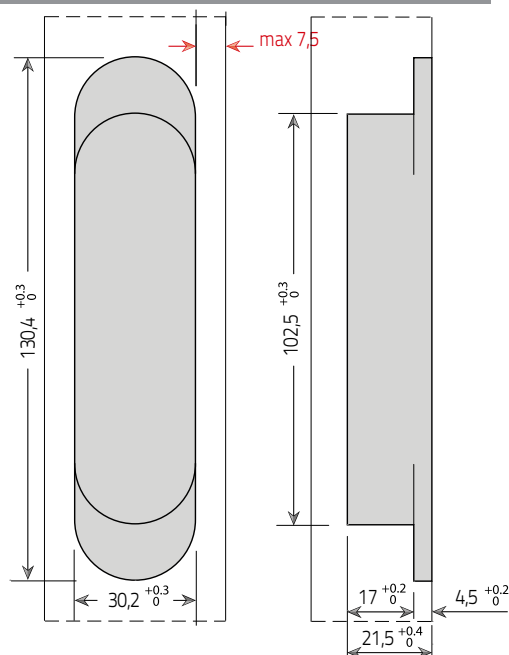
S.T.A.R.S.

BAC1130SS Order Codes

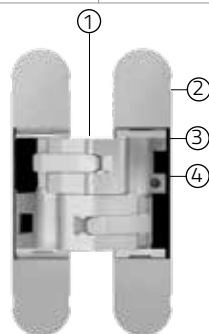
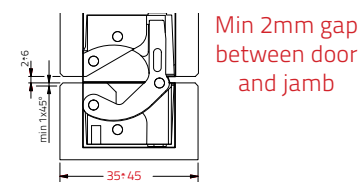
BAC1130SS	Stainless Steel (AISI 304L Grade)
BACJIGX3-BAC1130	Jig & hinge template (rent or buy) pg. 59 - 61

Fully Adjustable: Max 70kg (based on door 3000 x 1300mm)

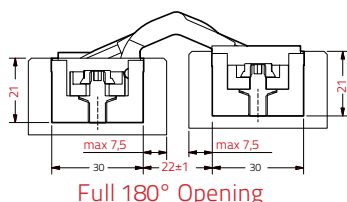
Hinge Measurements



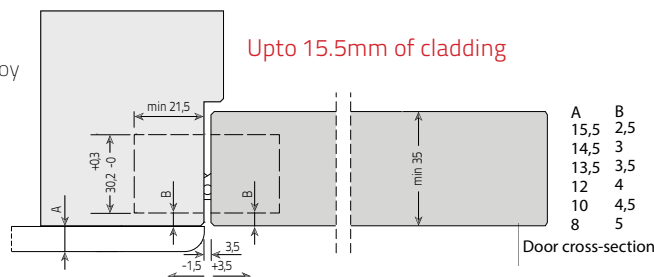
BAC1230S Quick Facts



- 3D adjustable
- CEAM quick release system
- Available in multiple finishes
- 100% Made in Italy for over 50 years
- Suitable for high frequency opening doors
- Jig & router template available for easy installation
- Suitable for internal & external (under cover) locations
- Suitable for residential, commercial & industrial locations



- 1 Mechanism made from Zinc-alloy
- 2 Galvanized steel covers
- 3 Zinc-alloy internal body
- 4 Zinc-alloy external body



No. & Position of Hinges based on Door Height, Width & Weight

Adjustment

If used with a door closer, double the door weight.
A higher hinge class may be required - See page 58



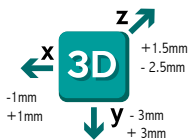
 x - 1 mm / + 1 mm
 y - 2,5 mm / + 2,5 mm
 z - 1,5 mm / + 2,5 mm

The diagrams illustrate four different hinge arrangements for a door edge:

- Diagram 1:** Two hinges are mounted on the edge, with a distance of 200 mm between them.
- Diagram 2:** Three hinges are mounted on the edge, with a distance of 200 mm between each hinge.
- Diagram 3:** Three hinges are mounted on the edge, with a distance of 250 mm between each hinge.
- Diagram 4:** Four hinges are mounted on the edge, with a distance of 200 mm between each hinge.

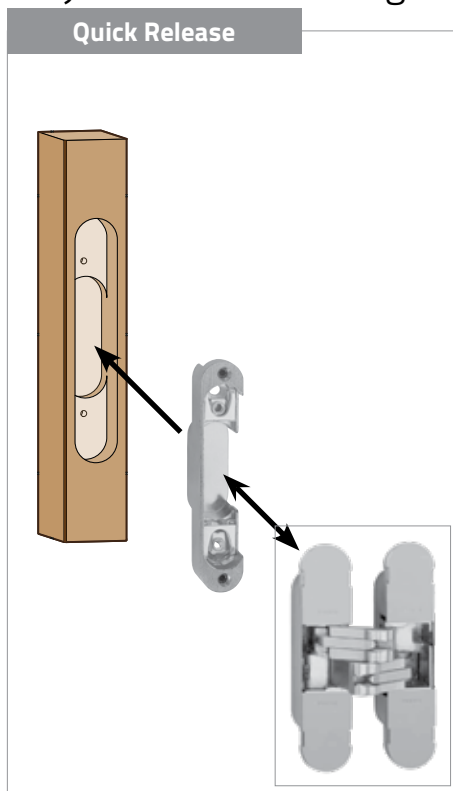
- 2 hinges
- 3 asymmetrical hinges
- 3 symmetrical hinges
- 4 hinges

Use asymmetric for heavy usage or commercial use.



3D Concealed Hinge BAC1230S Functional Data

Fully Adjustable: Max 70kg (based on door 3000 x 1300mm)



The BAC1230S 3D adjustable concealed hinge is revolutionary in its design and is rated to carry a 70kg door to 180° opening aperture.

A blended door to wall look and feel: once closed, the BAC1230S hinge becomes invisible, hidden away by the jamb and the door butting up against each other.

Walls no longer need to be visually interrupted by the traditional butt hinge where the two leaves of the hinge meet and protrude out past the jamb.

The formal architectural composition of a wall can now continue without interruption, creating an aesthetically appealing appearance that is truly clean and elegant.

Quick release: CEAM's quick release system is revolutionary - once the hinge is installed, you never need touch the door or jamb again.

The hinge sits within a cup, which is rebated and fixed to the door and jamb. The hinge is then fastened to the cup. As a result, if the door needs to come down, all you do is unscrew the locking bolts and remove the hinge from the cup.

The door can be removed and reinstalled for painting and adjustments without damaging timber or paint work, saving time and money.

Door movement: over time, this can be an expensive problem to fix. Not with the BAC1230S 3D adjustable hinge; it specifically caters for door movement.

Once movement occurs, a door may not close properly or rub the paintwork. To fix, the door needs to come down and then the door and/or jamb needs to be planed and repainted; a costly and time consuming effort.

Using the BAC1230S, simply adjust the position of the door via the settings within the hinge. This adjustment is done without the door coming down.

S.T.A.R.S.

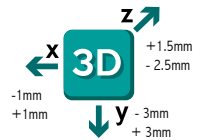
BAC1230S Quick Facts

Cladding	Upto 15.5mm on the door or wall
Min. door thickness	35mm
Max. door weight	70kg (subject to door dimentions)
Narrow timber rebate	21mm (ideal for thin jambs)
Gap when closed	2mm
Working aperture	180°
Manufacturing location	100% Made in Italy
Reliability	Certified to over 200,000 cycles
Adjustable	3D adjustment on 3 (X,Y,Z) axes
Quick Release	CEAM quick release system, never need to touch the door or jamb again



BAC1230S Order Codes

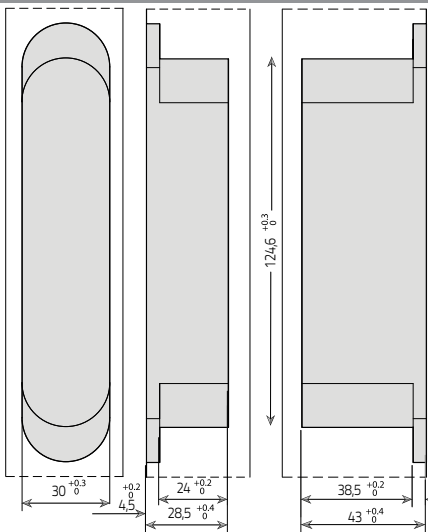
BAC1230SSI	Silver
BAC1230SNI	Polished Nickel
BAC1230SSN	Satin Nickel
BAC1230SBZ	Bronze
BAC1230SPB	Polished Brass
BAC1230SBL	Black
BACJIGX3-BACT1230	Jig & hinge template (rent / buy) pg. 59 - 61



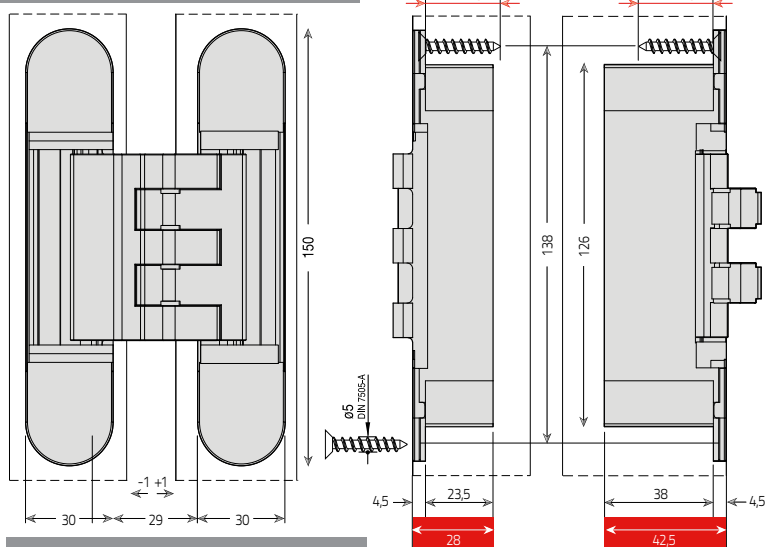
3D Concealed Hinge BAC1418 Technical Data

Heavy Duty Off Set: Max 100kg (based on door 3000 x 1300mm)

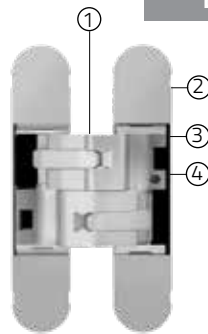
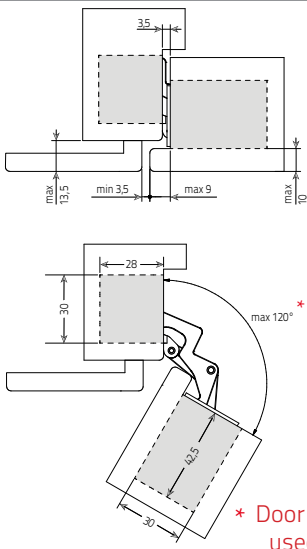
Timber Rebate Measurements



Hinge Measurements



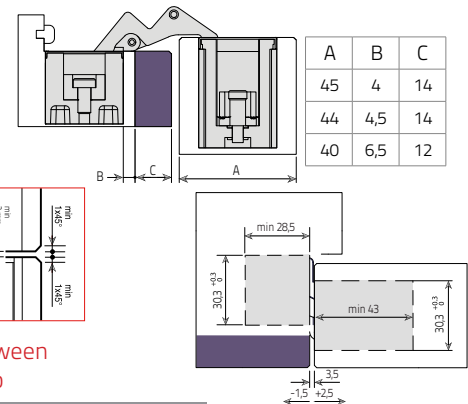
BAC1418 Diagrams



BAC1418 Quick Facts

- Upto 14mm Cladding
- CEAM quick release system
- Available in multiple finishes
- 100% Made in Italy for over 50 years
- Suitable for high frequency opening doors
- Fluid sliding mechanism and 3D adjustable
- Jig & router template available for easy installation
- Suitable for internal & external (under cover) locations
- Suitable for residential, commercial & industrial locations

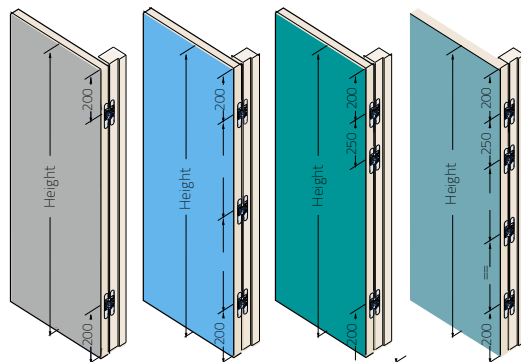
- 1 Mechanism made from Zinc-alloy
- 2 Galvanized steel covers
- 3 Zinc-alloy internal body
- 4 Zinc-alloy external body



Min 2mm gap between door and jamb

No. & Position of Hinges based on Door Height, Width & Weight

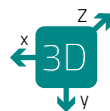
If used with a door closer, double the door weight.
A higher hinge class may be required - See page 58



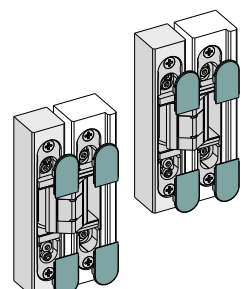
- 2 hinges
- 3 symmetrical hinges
- 3 asymmetrical hinges
- 4 hinges

Use asymmetric for heavy usage or commercial use.

Adjustment



x - 1 mm / + 1 mm
y - 2.5 mm / + 2.5 mm
z - 1.5 mm / + 2.5 mm



4 x BAC1418 for doors 2700 - 3000mm high

Door Height	100	100	100	100	100	100	100
3000	100	100	100	100	100	100	100
2900	100	100	100	100	100	100	100
2800	100	100	100	100	100	100	94
2700	100	100	100	100	100	100	88

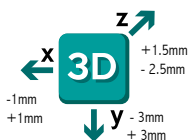
3 x BAC1418 for doors 2000 - 2600mm high

Door Height	100	100	100	100	100	100	100
2600	100	100	100	100	100	95	82
2500	100	100	100	100	100	88	77
2400	100	100	100	100	97	82	73
2300	100	100	100	100	89	77	69
2200	100	100	100	98	82	72	66
2100	100	100	100	90	76	68	63
2000	100	100	100	82	72	65	60

2 x BAC1418 for doors 1900 - 2200mm high

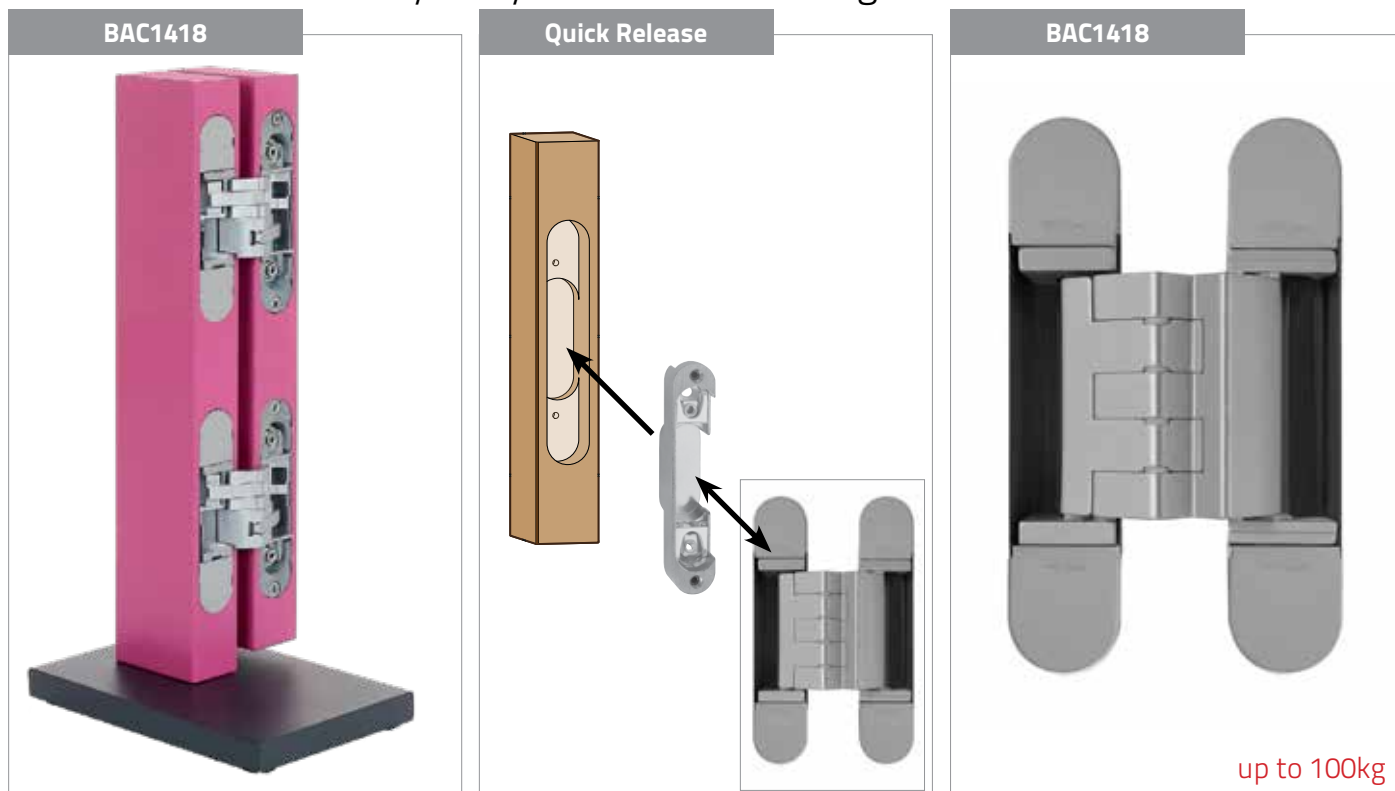
Door Height	80	80	80	78	66	59	54
2200	80	80	80	78	66	59	54
2100	80	80	80	72	62	56	52
2000	80	80	80	66	58	53	49
1900	80	80	73	62	55	51	47

Height x Width in mm | Weight in Kg



3D Concealed Hinge BAC1418 Functional Data

Heavy Duty Off Set: Max 100kg (based on door 3000 x 1300mm)



Heavy Duty Off Set Hinge - Upto 14mm of Wall Cladding

The BAC1418 3D adjustable concealed heavy duty hinge is revolutionary in its design and is suitable for cladding upto 14mm thick on the wall. Its rated to carry a 100kg door to 120° opening aperture.

A blended door to wall look and feel: once closed, the BAC1418 hinge becomes invisible, hidden away by the jamb and the door butting up against each other.

Walls no longer need to be visually interrupted by the traditional butt hinge where the two leaves of the hinge meet and protrude out past the jamb.

The formal architectural composition of a wall can now continue without interruption,

creating an aesthetically appealing appearance that is truly clean and elegant.

Quick release: CEAM's quick release system is revolutionary - once the hinge is installed, you never need touch the door or jamb again.

The hinge sits within a cup, which is rebated and fixed to the door and jamb. The hinge is then fastened to the cup. As a result, if the door needs to come down, all you do is unscrew the locking bolts and remove the hinge from the cup.

The door can be removed and reinstalled for painting and adjustments without damaging timber or paint work, saving time

and money.

Door movement: over time, this can be an expensive problem to fix. Not with the BAC1418 3D adjustable hinge; it specifically caters for door movement.

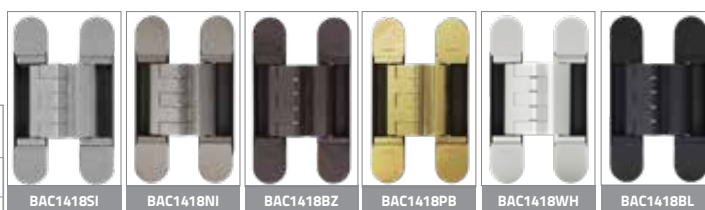
When movement occurs, a door may not close properly or rub the paintwork. With traditional hinges, to fix this requires the door to come down, and then the door and/or jamb needs to be planed and repainted; a costly and time consuming effort.

Using the BAC1418, simply adjust the position of the door via the settings within the hinge. This adjustment is done without the door coming down.



BAC1418 Quick Facts

Cladding	Upto 14mm on the wall
Max. door weight	100kg (subject to door dimensions)
Timber rebate	42.5 & 28mm
Gap when closed	2mm
Working aperture	Max 120° (door stop used at 120°)
Manufacturing location	100% Made in Italy
Reliability	Certified to over 200,000 cycles
Adjustable	3D adjustment on 3 (X,Y,Z) axes
Quick Release	CEAM quick release system, never need to touch the door or jamb again

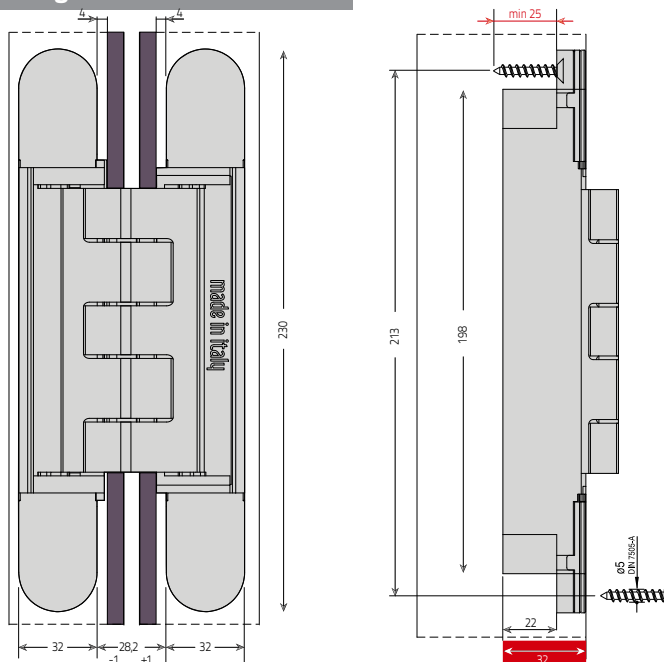
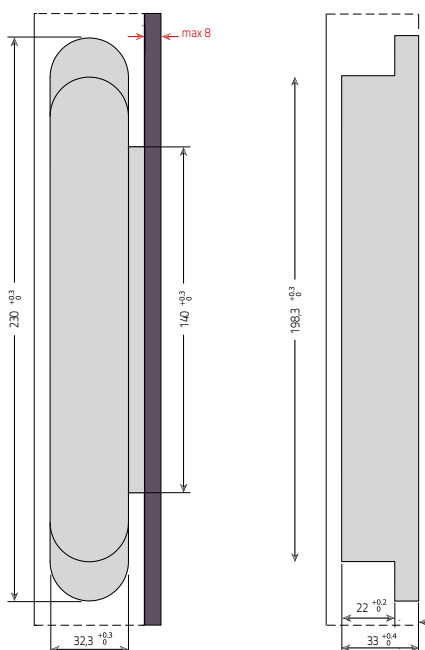


BAC1418 Order Codes

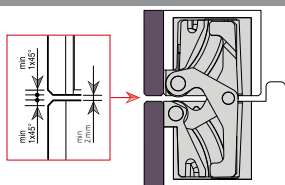
BAC1418SI	Silver
BAC1418SN	Satin Nickel
BAC1418BZ	Bronze
BAC1418PB	Polished Brass (by request)
BAC1418WH	White
BAC1418BL	Black
BACJIGX3-BACT1418	Jig & hinge template (rent or buy) pg. 59 - 61

Fully Adjustable: Max 195kg (based on door 3000 x 1300mm)

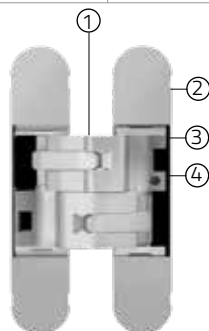
Hinge Measurements



BAC1432W Quick Facts

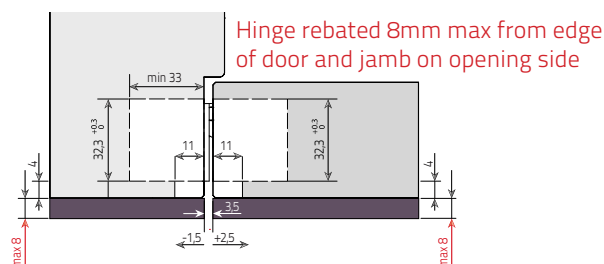


Full 180° Opening



- 1 Mechanism made from Zinc-alloy
- 2 Galvanized steel covers
- 3 Zinc-alloy internal body
- 4 Zinc-alloy external body

- 3D adjustable
- CEAM quick release system
- Available in multiple finishes
- 100% Made in Italy for over 50 years
- Suitable for high frequency opening doors
- Jig & router template available for easy installation
- Suitable for internal & external (under cover) locations
- Suitable for residential, commercial & industrial locations



Hinge rebated 8mm max from edge of door and jamb on opening side

No. & Position of Hinges based on Door Height, Width & Weight

If used with a door closer, double the door weight.
A higher hinge class may be required - See page 58

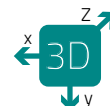
The diagrams illustrate the progression of door hardware:

- Diagram 1 (Grey):** A door with a single handle and a lock cylinder. Dimensions shown are 200mm for the handle height and 200mm for the lock cylinder height.
- Diagram 2 (Blue):** A door with a single handle and a lock cylinder. Dimensions shown are 200mm for the handle height and 200mm for the lock cylinder height.
- Diagram 3 (Teal):** A door with a single handle and a lock cylinder. Dimensions shown are 250mm for the handle height and 200mm for the lock cylinder height.
- Diagram 4 (Dark Teal):** A door with a single handle and a lock cylinder. Dimensions shown are 250mm for the handle height and 200mm for the lock cylinder height.

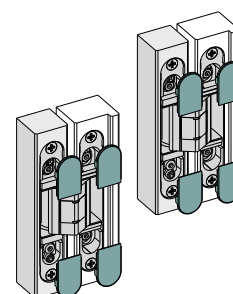
■ 2 hinges ■ 3 asymmetrical hinges
■ 3 symmetrical hinges ■ 4 hinges

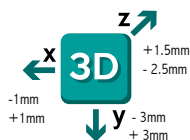
Use asymmetric for heavy usage or commercial use.

Adjustment



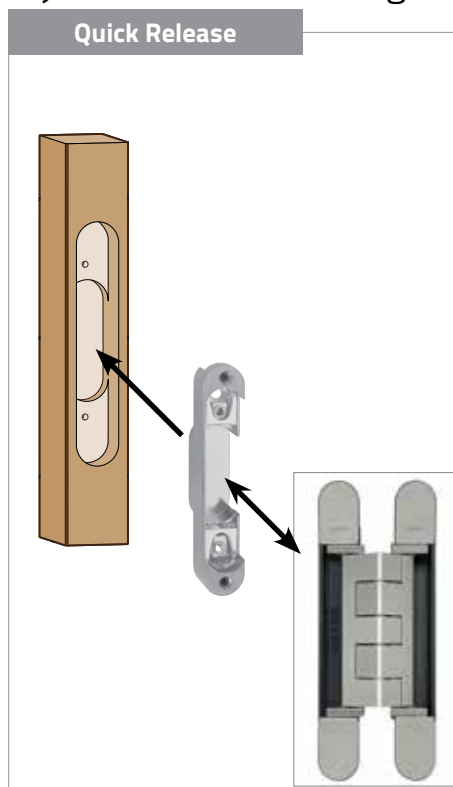
x - 1 mm / + 1 mm
y - 3 mm / + 3 mm
Z - 1,5 mm / + 2,5 mm





3D Concealed Hinge BAC1432W Functional Data

Fully Adjustable: Max 195kg (based on door 3000 x 1300mm)



The BAC1432W 3D adjustable concealed hinge is revolutionary in its design and is rated to carry a 195kg door to 180° opening aperture.

A blended door to wall look and feel: once closed, the BAC1432W hinge becomes invisible, hidden away by the jamb and the door butting up against each other.

Walls no longer need to be visually interrupted by the traditional butt hinge where the two leaves of the hinge meet and protrude out past the jamb.

The formal architectural composition of a wall can now continue without interruption, creating an aesthetically appealing appearance that is truly clean and elegant.

3D fully adjustable Concealed Hinge for doors upto 195kg Wide Throw with upto 8mm of Cladding

Quick release: CEAM's quick release system is revolutionary - once the hinge is installed, you never need touch the door or jamb again.

The hinge sits within a cup, which is rebated and fixed to the door and jamb. The hinge is then fastened to the cup. As a result, if the door needs to come down, all you do is unscrew the locking bolts and remove the hinge from the cup.

The door can be removed and reinstalled for painting and adjustments without damaging timber or paint work, saving time and money.

Door movement: over time, this can be an expensive problem to fix. Not with the BAC1432W 3D adjustable hinge; it specifically caters for door movement.

When movement occurs, a door may not close properly or rub the paintwork. With traditional hinges, to fix this requires the door to come down and then the door, and/or jamb needs to be planed and repainted; a costly and time consuming effort.

Using the BAC1432W, simply adjust the position of the door via the settings within the hinge. This adjustment is done without the door coming down.



BAC1432W Quick Facts

Max Cladding:	8mm on door & jamb
Min. door thickness	38mm
Max. door weight	195kg (subject to door dimentions)
Narrow timber rebate	32mm
Gap when closed	2mm
Working aperture	180°
Manufacturing location	100% Made in Italy
Reliability	Certified to over 200,000 cycles
Adjustable	3D adjustment on 3 (X,Y,Z) axes
Quick Release	CEAM quick release system, never need to touch the door or jamb again



BAC1432W Order Codes

BAC1432WSI	Silver
BAC1432WPB	Polished Brass
BAC1432WBL	Black
BAC1432WWH	White
BAC1432WBZ	Bronze
BAC1432WSN	Satin Nickel
BACJIGX3-BACT1432	Jig & hinge template (rent or buy) pg. 59 - 61

Technical Information

The following issues should be considered during the hinge selection process in order to prevent damage and/or hinge failure. All CEAM hinges come with a 2 year manufacturer's guarantee subject to following points:

- Place of use and frequency of opening
- Weight of the door leaf
- Door closer internal or external side
- Automatic or semi-automatic opening systems
- Door dimensions
- Placement and installation of the hinges
- Coating or baseboard
- Direction of use & installation

In public buildings, due to the high opening & closing frequencies of the doors, it is recommended to always calculate the door to be heavier than it actually is. Better to over spec the door than under spec it, even if the weight and size of the door does not require a third or fourth hinge. CEAM hinges conform to the strictest European standards and regulations; they have passed all the necessary stress, corrosion resistance, fire resistance, flow and durability tests in Europe. CEAM tests its hinges on doors that are 2100 x 850mm and 2100 x 1000mm in size. For an ideal performance, it is advisable to lubricate the hinge with a silicon based lubricant once every two years or more, depending on the frequency of opening.

USE OF A DOOR CLOSER

When using a door closer (SLIDE ARM CAM ACTION ONLY), CEAM suggest mounting an additional hinge in the upper part of the door, as these mechanisms modify the opening forces on the door. A door closer will increase the load on the door effectively making the door heavier than it actually is. As a result it may alter or compromise the capacity and integrity of the hinges selected. Please select the correct hinge model with this in mind.

- For door closers without an opening force, CEAM suggest considering the door to be 25% heavier than it actually is.
- For door closers with an opening force (BACKCHECK FUNCTION) the effect is much greater; it is estimated that the door leaf effective mass is 75% heavier than it actually is. Please consult our technical department for more information.

HINGE SELECTION

The information contained within this document is intended as a guide only. In practice, the variables that affect the correct function of an invisible hinge are numerous. Some facts that need to be taken into consideration include: the nature of the door, opening and closing frequency, weight and door size, etc. It is expected that analysis of relevant key points is taken into consideration during the hinge selection process. The customer must be sure the hinge selected is suitable for the door and environment in question, and are appropriate to satisfy even external factors beyond what is indicated by the hinges specification. If necessary, please contact our technical department for more information.

- A fifth hinge does not increase load capacity but it can better guide the door in case of height >3000 mm and in case of door closer use
- For doors wider than 1000mm it is preferable to place a hinge in support of the upper hinge (for doors with 3 asymmetric and 4 hinges), i.e. 3 hinges at the top of the door

TAILOR MADE

For special applications, if none of the published hinges in this catalogue are suitable, please provide us more information about your technical and design needs. The CEAM invisible hinge range is extensive and we may have a model better suited for your requirements.

ADJUSTMENT IN 3 DIMENSIONS

Every adjustment requires adequate attention. The adjustment range indicated MUST be absolutely respected. Excessive force during adjustments may lead to a possible malfunction in the hinge that could cause the hinge to fail.

ZERO POSITION

All CEAM hinges are delivered with all the adjustments centred.

After installation and after each adjustment all components must be tightened firmly.

ADJUSTMENT ON THE THREE INDEPENDENT AXES

Horizontal	from -1.5 mm to + 3.0 mm (see individual specifications)
Vertical	from -3.0 mm to + 3.0 mm (see individual specifications)
Depth	+/- 1.0 mm

Please see page 66 - 67 for instructions on how to make adjustments to the Axes for different hinge types.

Installation: Jig, Templates & Routers

Jig Type 1: Jig, Templates & Router - Purchase Only

Complete installation kit - Suitable for fully upright assembled doors and jambs

Easy on-site installation using CEAM's new complete router kit; suitable for the full range of CEAM concealed hinges (excluding the BAC929 & BAC2010). Installation is a one step operation. Faster, easier, smarter. No need to change templates. No need to measure or mark the door or jamb.

Main Features:

- Designed for on-site installation
- Includes all hinge templates (excluding the BAC929 & BAC2010)
- Double Insulation
- Input Power 1000W
- No-load speed: 14000 - 27000/ mm
- Chuck collet: 8mm
- Max. Bit diameter 32mm
- Max. Drilling dimension: 165 x 74mm
- Max. Drilling depth: 40mm
- Clamp opening: 33 - 200mm
- Weight: 4.3Kg



JIG Type 1

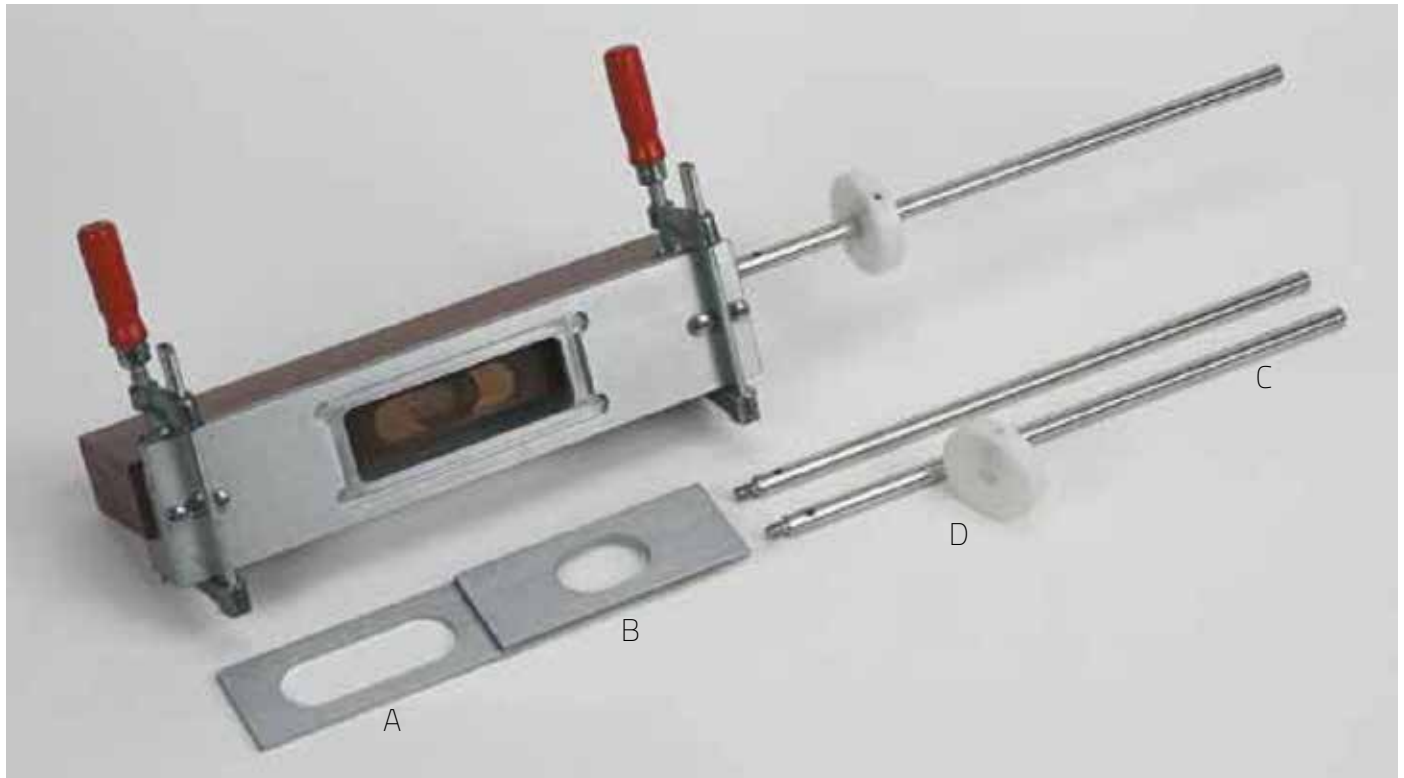
BACJIGX1B	Purchase of complete kit
Kit Contents	Router, jig and all hinge templates - ex. BAC929 & BAC2010

A complete video of the installation process using both jig types is available on the Bellevue Architectural website - www.bellevuearch.com.au/videos

Installation: Jig, Templates & Routers

Jig Type 2: Jig & Template Only - Rent or Purchase

Use your own router and template guide - Suitable for unassembled doors and jambs



The routing templates (A & B), which comprise of a frame and two inserts, enables the drilling/routing of two slots for the invisible hinges body. The templates are made from 5mm thick aluminium plates.

The strength of the template material guarantees precise execution of the rebates when used with a manual router. A 16mm diam. router bit is required to create the correct size hinge rebate in the Timber. It is used in-conjunction with a 27mm external router template guide. Without the router template guide, the rebate will not be the correct dimensions, the router bit will damage the templates, and the hinge will not fit the cut-out.

The 16mm diameter router drill bit and the 27mm external router guide are not supplied with the templates or the jig. These items are specific to the brand of router used.

For each hinge model, two types of insertions (easily replaceable) are used: one (A) to route the hinge wing slots and the other (B) to cater for the internal depth of the hinge.

The equipment is completed with:

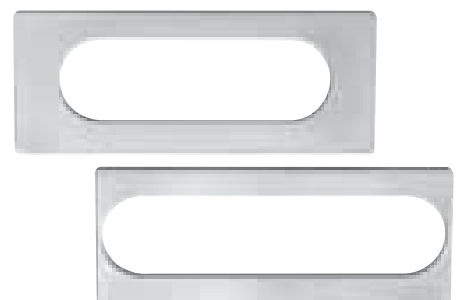
Extension arms (C) with a nylon ring (D), they allow to establish the desired distance between slots on the door - both left and right - and on the frame.

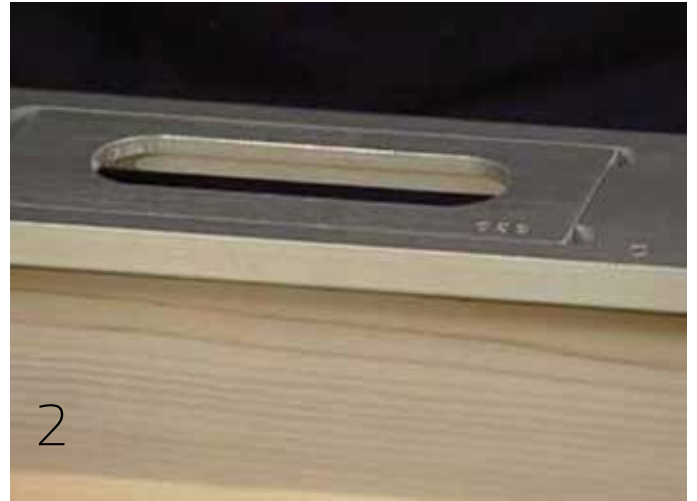
Templates *

These are very important, as they must match the hinge model being used. The reference number for both the templates are stamped on each. If the incorrect template, router bit or guide is used, the hinge will not fit into the rebate which has been routed into the door and jamb.

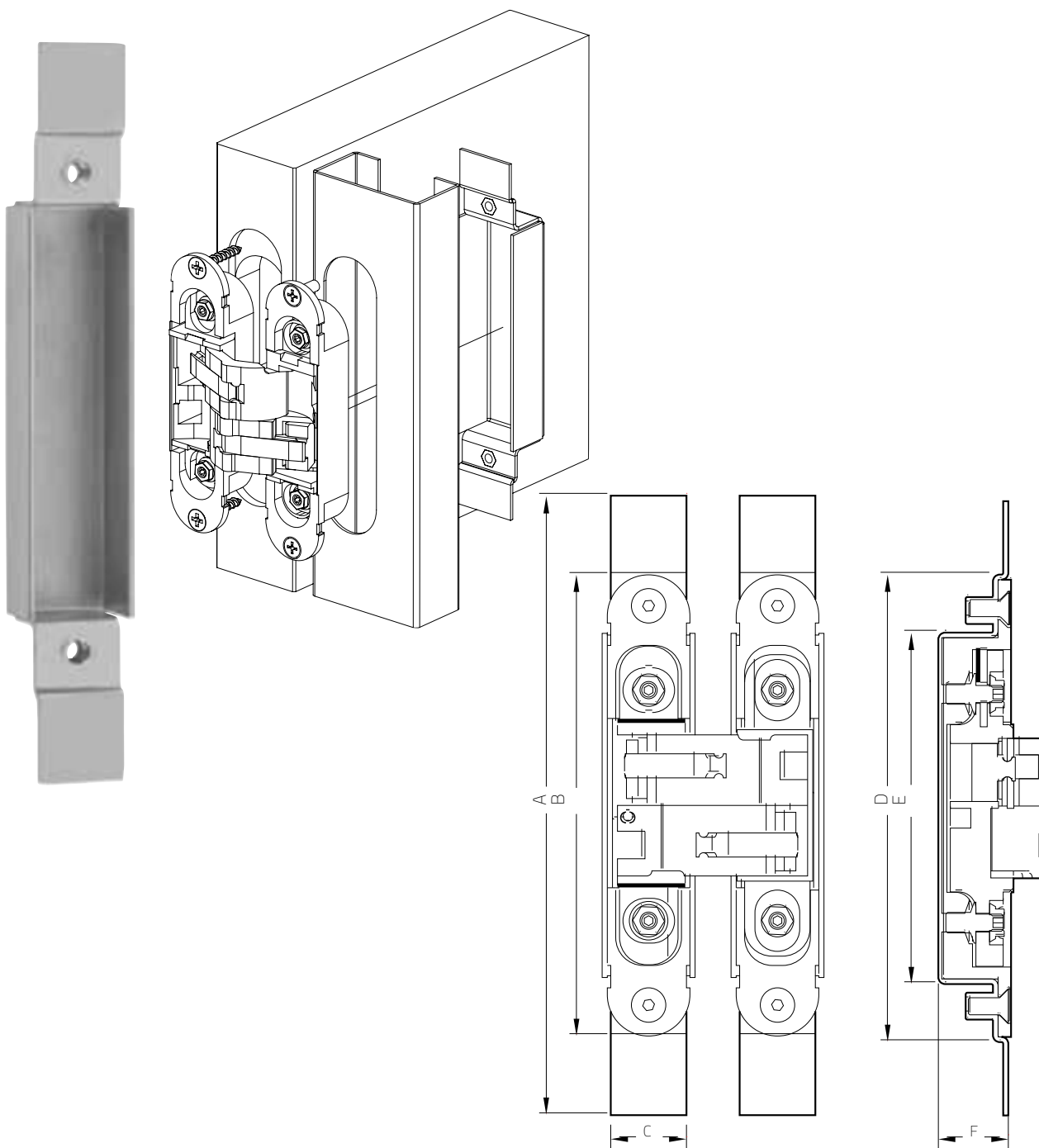
JIG Type 2

BACJIGX3B	Purchase jig only (for use with all models of hinges except BAC929)
BACJIGX3R	Rent Per Week jig only (for use with all models of hinges except BAC929)
BACJIG929B	Purchase BAC929 jig only
BACJIG929R	Rent Per Week BAC929 jig only
BACTXXXXB	Purchase template to suit model of hinge
BACTXXXXR	Rent Per Week template to suit model of hinge





Fixing Box for Metal Jambs & Doors



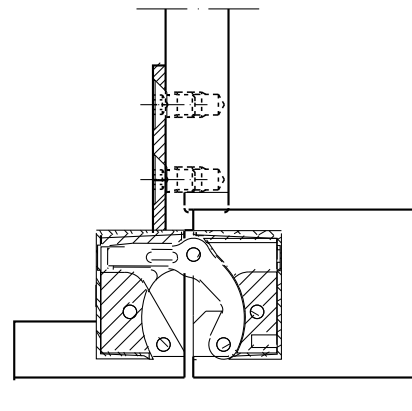
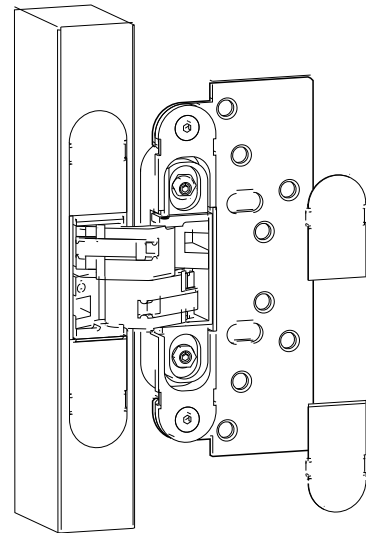
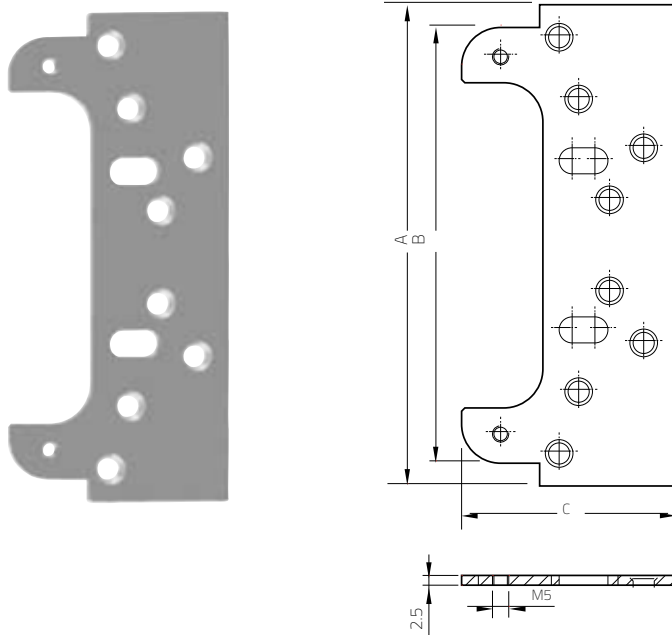
Fixing Box Dimensions

Code.	A	B	C	D	E	F
BAC1130XGP	180mm	134mm	22mm	137mm	103mm	21mm
BAC1230XGP	180mm	130mm	29mm	133mm	105mm	21mm
BAC1131XGP	198mm	161mm	30mm	164mm	133mm	31mm
BAC1430XGP	180mm	129mm	19mm	129mm	100mm	21mm
BAC1431XGP	233mm	184mm	30mm	187mm	153mm	28mm
BAC1432XGP	277mm	230mm	30mm	235mm	203mm	31mm

The BACXGP metal fixing box is used to fit a concealed hinge to a metal hollow section of a post, jamb or door.

Offset Fixing Plate

Suitable for Jamb Fix Only



Offset Fixing Plate Dimensions

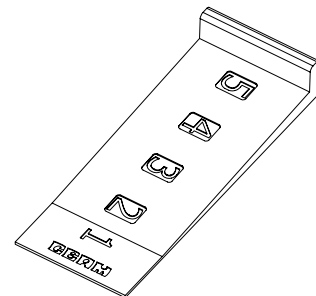
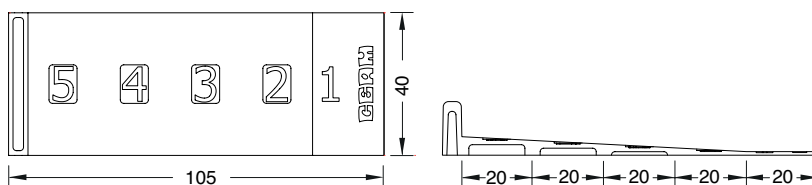
Code	A	B	C	D
BAC1130XFPO	148mm	134mm	134mm	2.5mm
BAC1230XFPO	136mm	136mm	70mm	3mm
BAC1131XFPO	180mm	166mm	74mm	3mm
BAC1430XFPO	134mm	120mm	66mm	3mm

The BAC1XFPO offset fixing plate, when used in conjunction with the concealed hinge, allows a door to be hung offset to a wall or timber/metal post or door jamb where required.

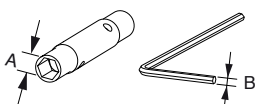
Adjustment Wedge

BACWEG Adjustment Wedge

An aid to assist in positioning the door when hanging using CEAM concealed hinges



Adjustment Keys

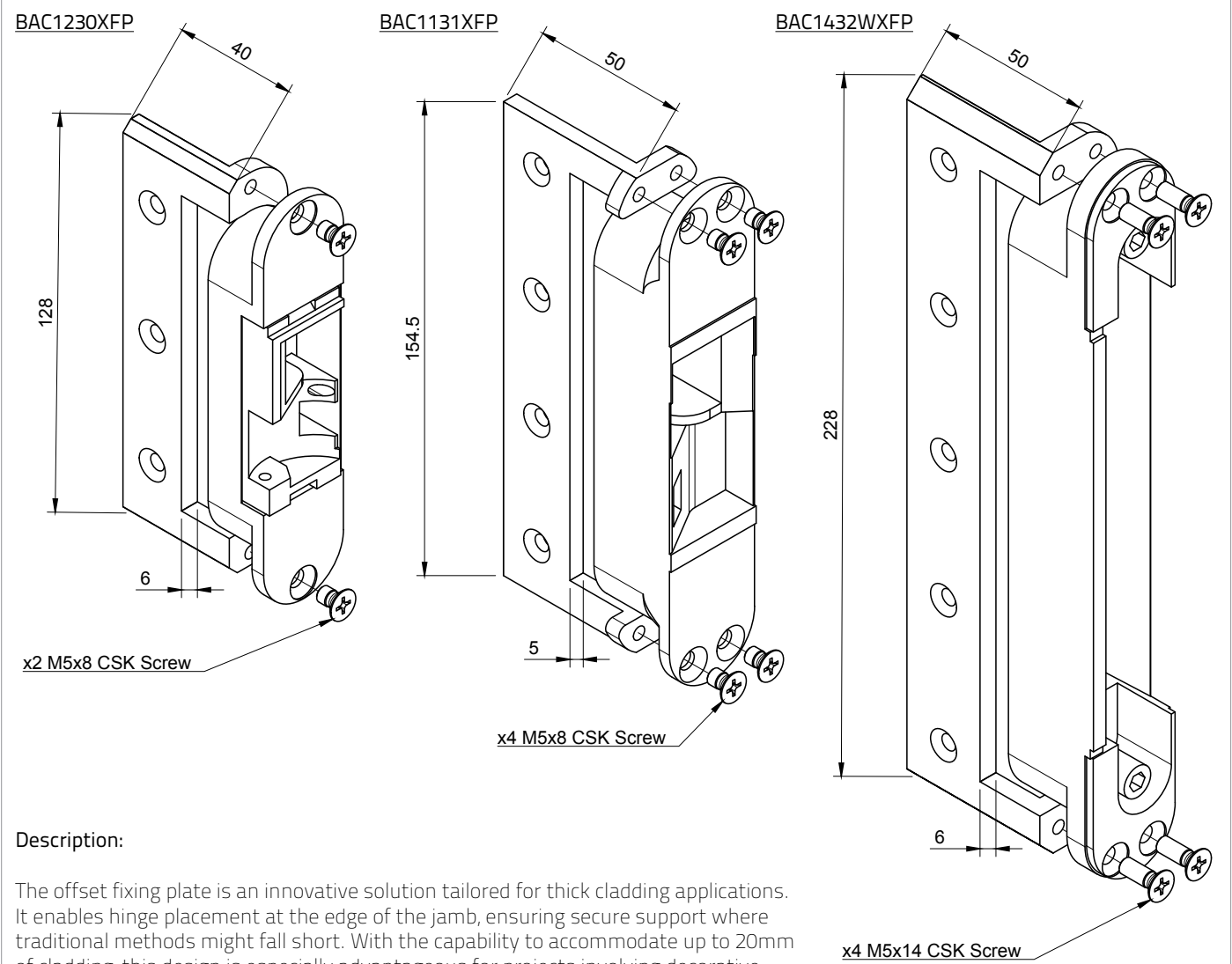


	A	B	Used for Models
BACKEY1	8	2,5	1129, 1080, 1130, 1230S
BACKEY2	10	3	1131S,

BACKEY Adjustment Keys

Used to adjust the position of the door via the hinges 3D adjustment axis points. Used to remove the hinge from its cup so the door can be removed and re-hung.

New Offset Fixing Plate



Description:

The offset fixing plate is an innovative solution tailored for thick cladding applications. It enables hinge placement at the edge of the jamb, ensuring secure support where traditional methods might fall short. With the capability to accommodate up to 20mm of cladding, this design is especially advantageous for projects involving decorative cladding. Its functionality not only enhances structural integrity but also offers versatility in various installation scenarios.

The offset fixing plate can also be recessed / milled into the jamb / door, making it suitable for situations that require narrow cladding, allowing for the use of cladding as thin as 12mm.

Weight Considerations:

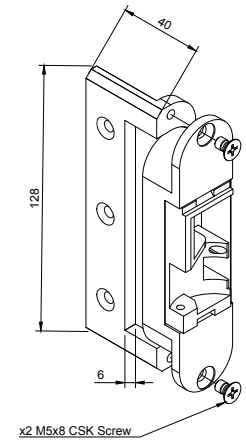
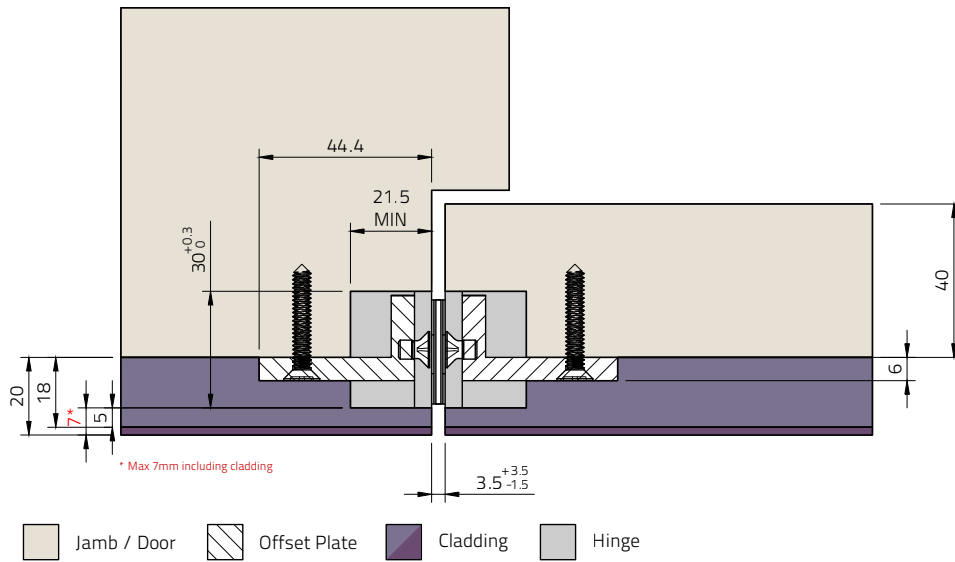
For all hinges excluding the BAC1432W, the supported weight range of the hinge remains unaffected by the use of offset fixing plates. For the BAC1432W refer to the below table for the adjusted weight ranges.

Offset Fixing Plate Models	
Code	Compatible Hinge
BAC1230XFP	BAC1230S
BAC1131XFP	BAC1131S
BAC1432WXFP	BAC1432W

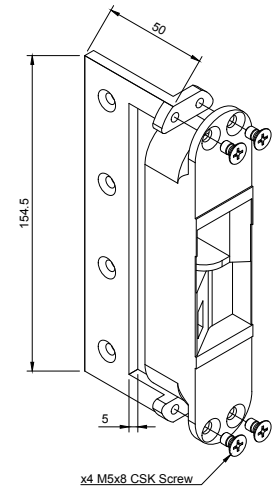
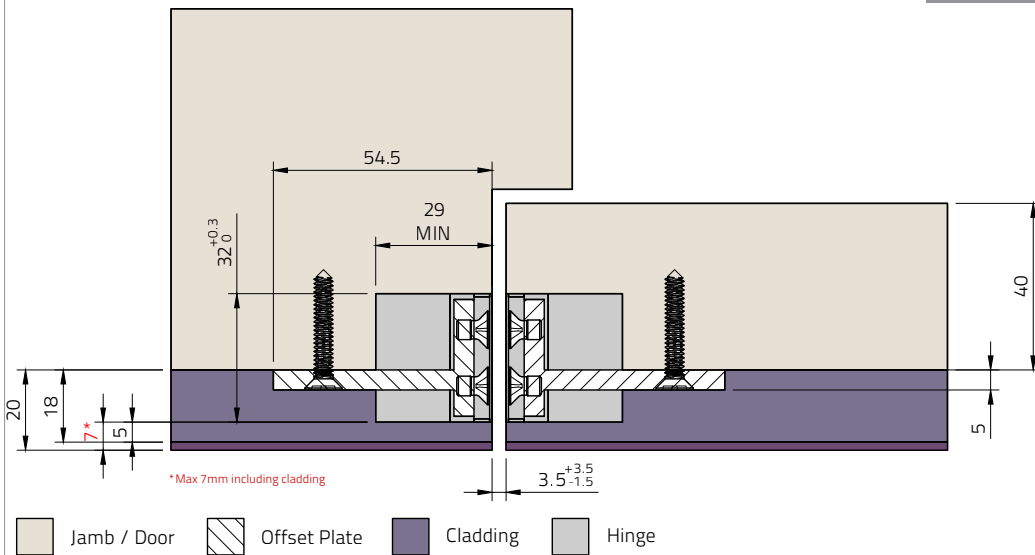
2 x BAC1432W for doors 1900 - 2200mm high							
2200	130	130	130	130	130	119	108
2100	130	130	130	130	125	112	103
2000	130	130	130	130	117	107	99
1900	130	130	130	124	111	102	95
h x w	700	800	900	1000	1100	1200	1300
Height x Width in mm Weight in Kg							

red = value has been adjusted compared to a regular BAC1432W

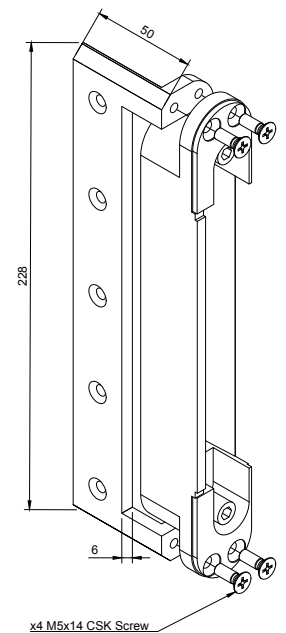
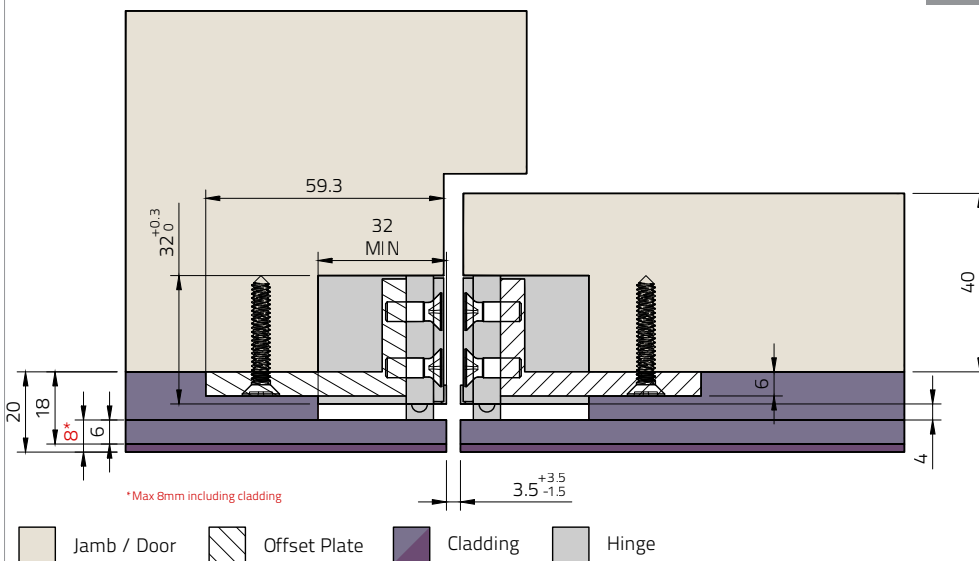
BAC1230XFP



BAC1131XFP



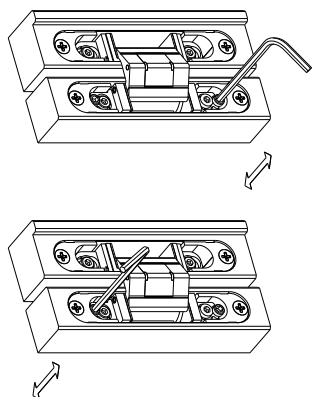
BAC1432WXFP



3D Adjustability Diagram



Depth adjustment



Invisible adjustable hinges for doors



Remove the covers

929

1418

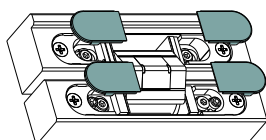
1430

1431

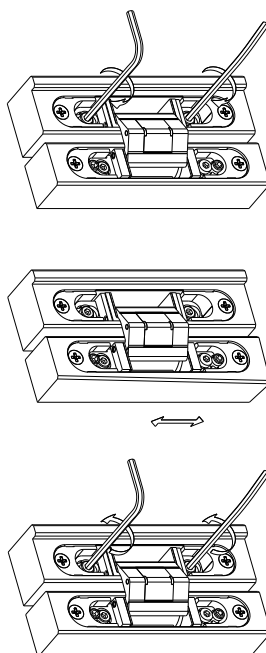
1431SC

1432

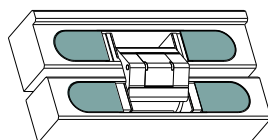
1432W



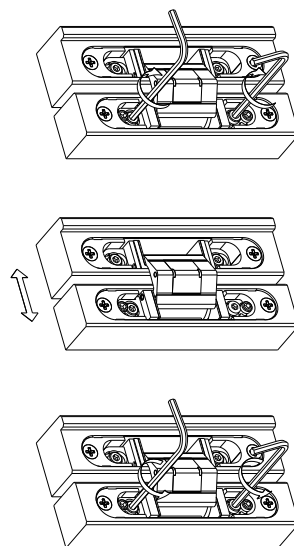
Vertical adjustment



Insert the clip covers



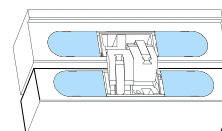
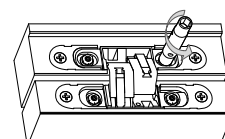
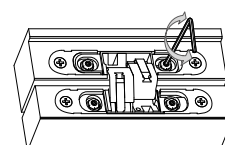
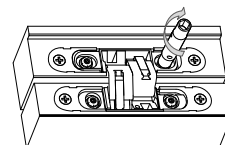
Horizontal adjustment



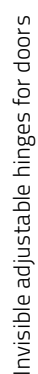
3D Adjustability Diagram



Depth adjustment

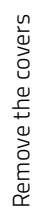
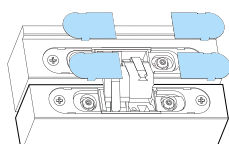


Insert the clip covers

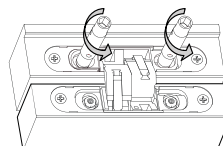


Invisible adjustable hinges for doors

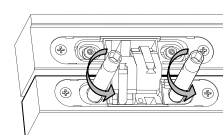
1129
1131S
1130SS
1230S



Vertical adjustment



Horizontal adjustment





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*Please note that all images in this document are used for illustrative purposes only.
Product specifications are subject to change without notice.

CEAM Concealed Hinge Range: Catalogue 8/26