



BELLEVUE
ARCHITECTURAL

New Products

- Now suitable for doors upto 1300mm wide
- BAC1432 | 3D for large heavy doors upto 260Kg
- BAC1432W | 3D wide throw for large heavy clad doors upto 240Kg



CEAM CONCEALED HINGES

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



+61 3 9571 5666



www.bellevuearch.com.au



info@bellevuearch.com.au



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

About Bellevue and CEAM



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



Bellevue's products have been used all over Australia and New Zealand from small projects through to large (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 is 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.

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

Aesthetically pleasing to the eye as they disappear once the door is closed, CEAM hinges have won international design awards and are used worldwide. Used

Located in Italy & 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.



General Information

About CEAM; Raw materials; S.T.A.R.S; In situ hinges	Pg. 4 - 27
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Concealed Hinges

BAC2010 (suitable for doors up to 60 kg) - stainless steel & industrial strength nylon	Pg. 30 - 31
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2D Glass to Wall Adjustable Concealed Hinges

BAC1080 (suitable for glass doors up to 60 kg)	Pg. 32 - 33
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3D Adjustable Concealed Hinges - Door upto 2100mm Tall & 1300mm Wide

BAC929 (suitable for cabinets up to 24 kg)	Pg. 34 - 35
BAC1129 (suitable for doors up to 48 kg)	Pg. 36 - 37
BAC1131S (suitable for doors up to 160 kg)	Pg. 38 - 39
BAC1430 (suitable for doors up to 80 kg)	Pg. 40 - 41
BAC1431 (suitable for doors up to 175 kg)	Pg. 42 - 43
BAC1432 (suitable for doors up to 260 kg) NEW: ideal for large heavy doors	Pg. 44 - 45

Specialised 3D Adjustable Concealed Hinges

BAC1130SS (suitable for doors up to 85 kg) Stainless steel	Pg. 46 - 47
BAC1230S (suitable for doors up to 95 kg) Wide throw designed for clad doors	Pg. 48 - 49
BAC1432W (suitable for doors up to 230 kg) NEW: wide throw designed for clad doors	Pg. 50 - 51

Installation and Accessories

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3D hinges: Key features



ARCHITECTURAL APPEAL

Concealed hinges elegantly designed and finished in 12 stunning galvanic colours.



ENGINEERING

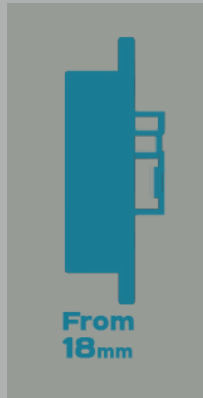
Manufactured in 4 different materials: zinc-alloy, stainless steel, aluminium and Fiberglass, all Ceam hinges are symmetrical and engineered to solve the new challenges of the modern buildings.



ADJUSTABLE

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





MINIMAL

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



UP TO 260 KG

Safe, solid, reliable: our hinges are tested to last for 200.000 cycles and now also on Fire rated doors.



EASY-INSTALLATION

Easy installation: the door part and the frame part can be assembled separately in production and united on-site.



100% MADE IN ITALY .

From 1962, we specialize with dedication, in manufacturing concealed hinges.

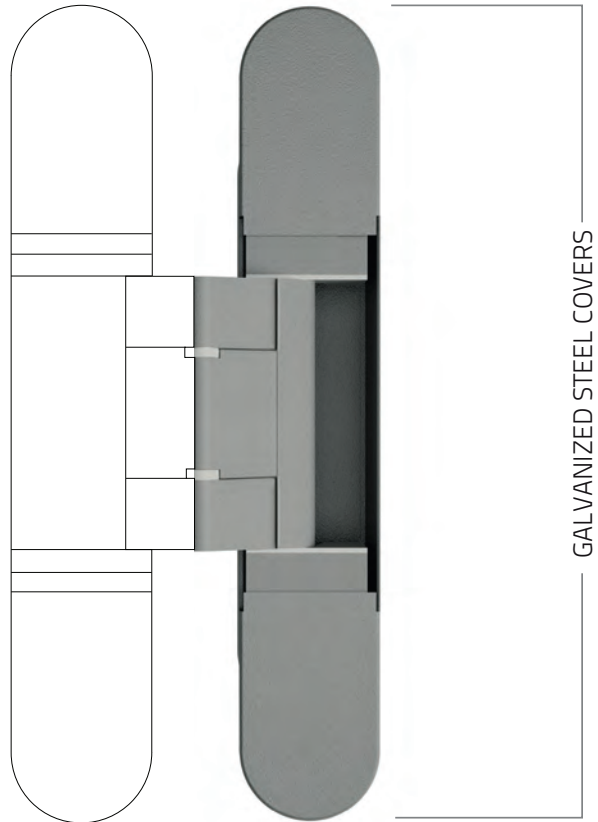


ULTRA CERTIFICATE

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 symmetric sides and the 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.



HORIZONTAL ADJUSTMENT



Make sure the door will always be at the right height.

DEPTH ADJUSTMENT

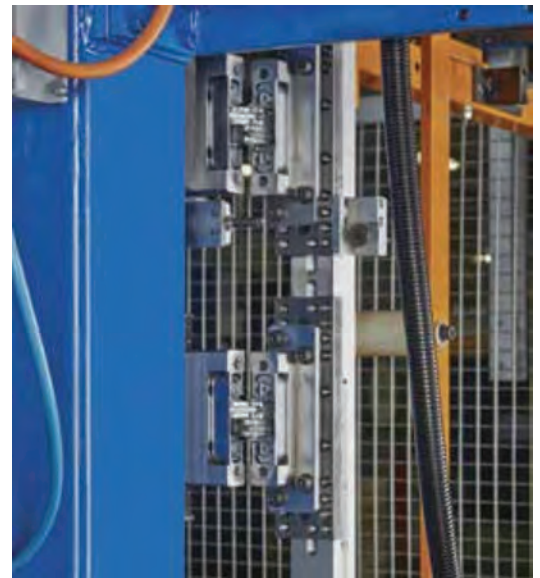
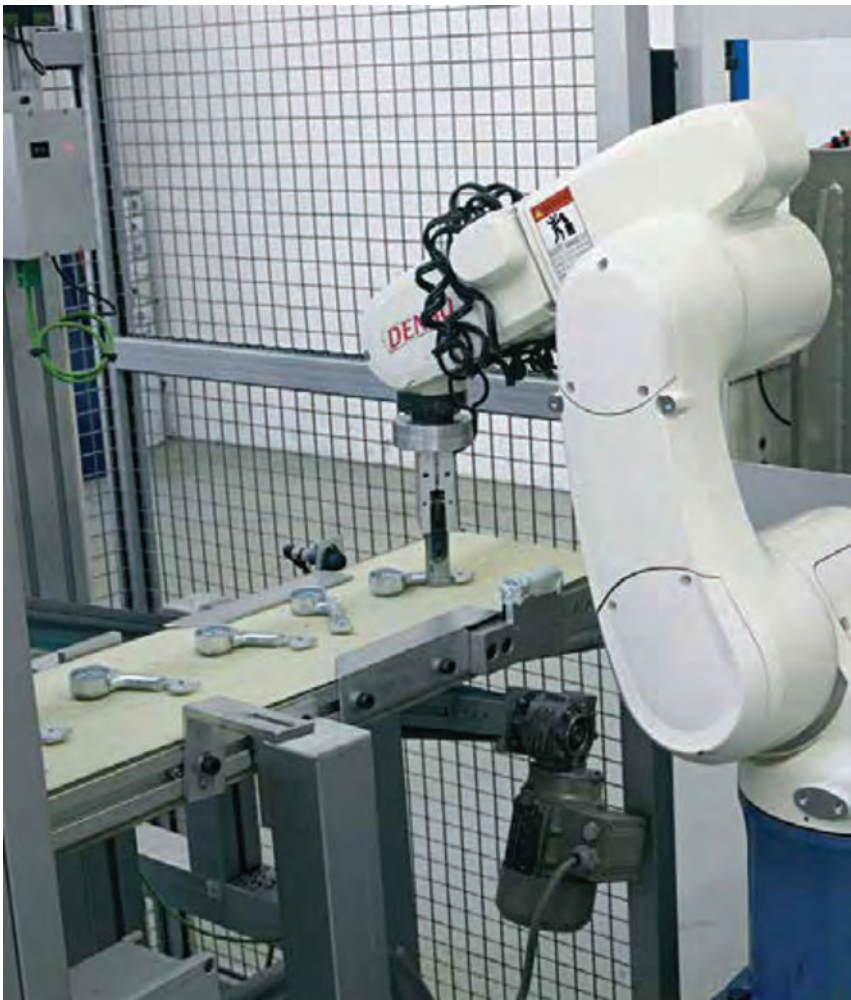
Finely adjust the gap between door and frame.



HORIZONTAL ADJUSTMENT



Align the door to the wall for stunning flush effects.



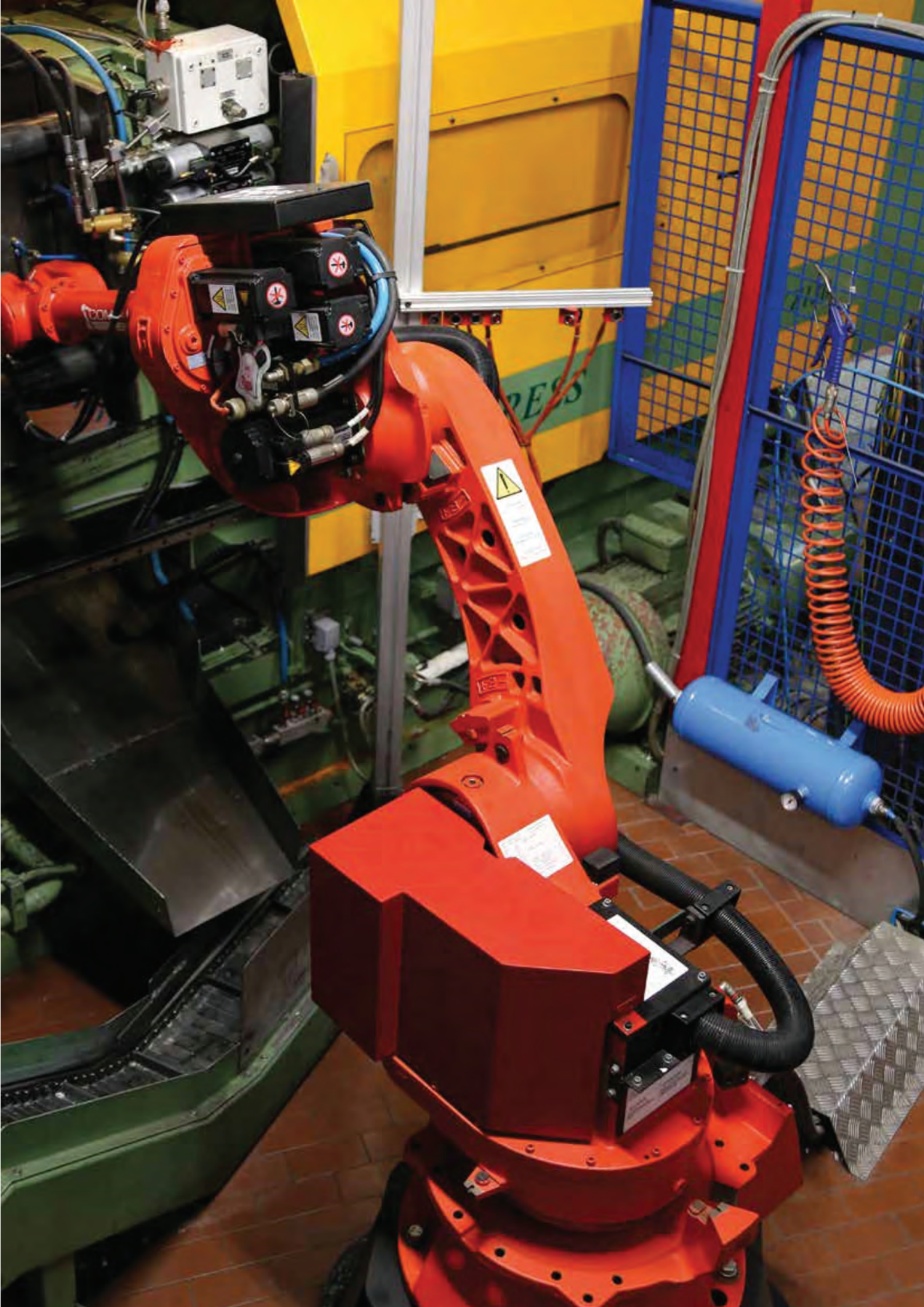
Reliability

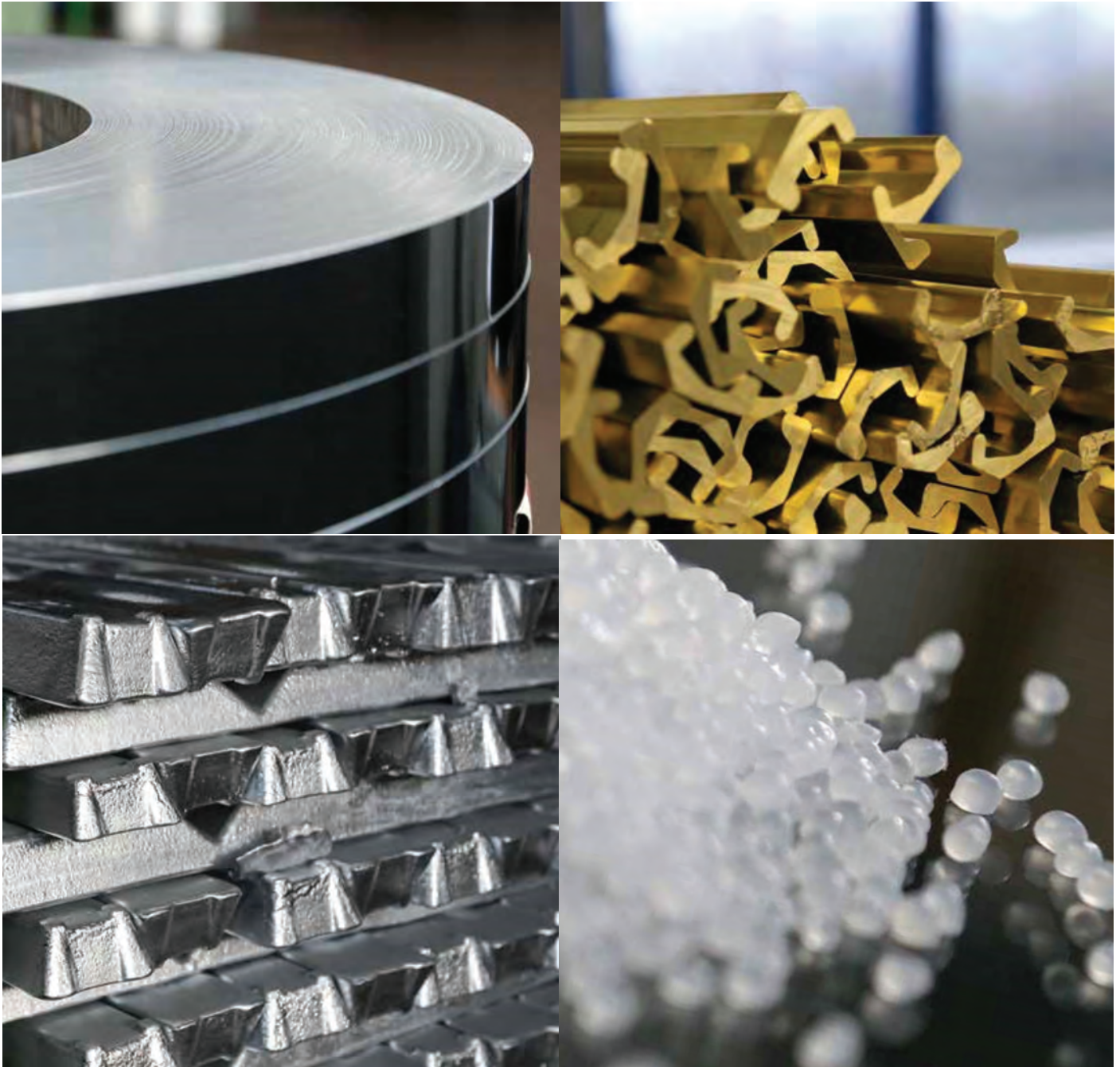
The Invisible hinge from CEAM, like all other architectural products, must be mechanically reliable and suitable to allow for the safe on-going movement of the door during its entire life span. The functionality and movement of the hinge must be guaranteed for the long term, well beyond the normal warranty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

It is for this expressed purpose; to ensure the highest level of quality control possible, that CEAM's industrial plant, located at Cermenate, Como, Italy is where all stages of production process is undertaken: from design, 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°		Yielding verification
DEFORMATION UNDER LOAD	Door weight double than the hinges load bearing capacity	<ul style="list-style-type: none"> ▪ 5 opening & closing cycles at 0 - 90° ▪ 5 opening & closing cycles at 0 - 180° 	Yielding verification
OVERLOAD	Door weight triple than the hinges load bearing capacity	Open at 90° for 60 minutes	Yielding verification
FRICITION 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.

ZAMAT:

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 many technical purposes. Almost transparent when raw, it can be produced in many colours.

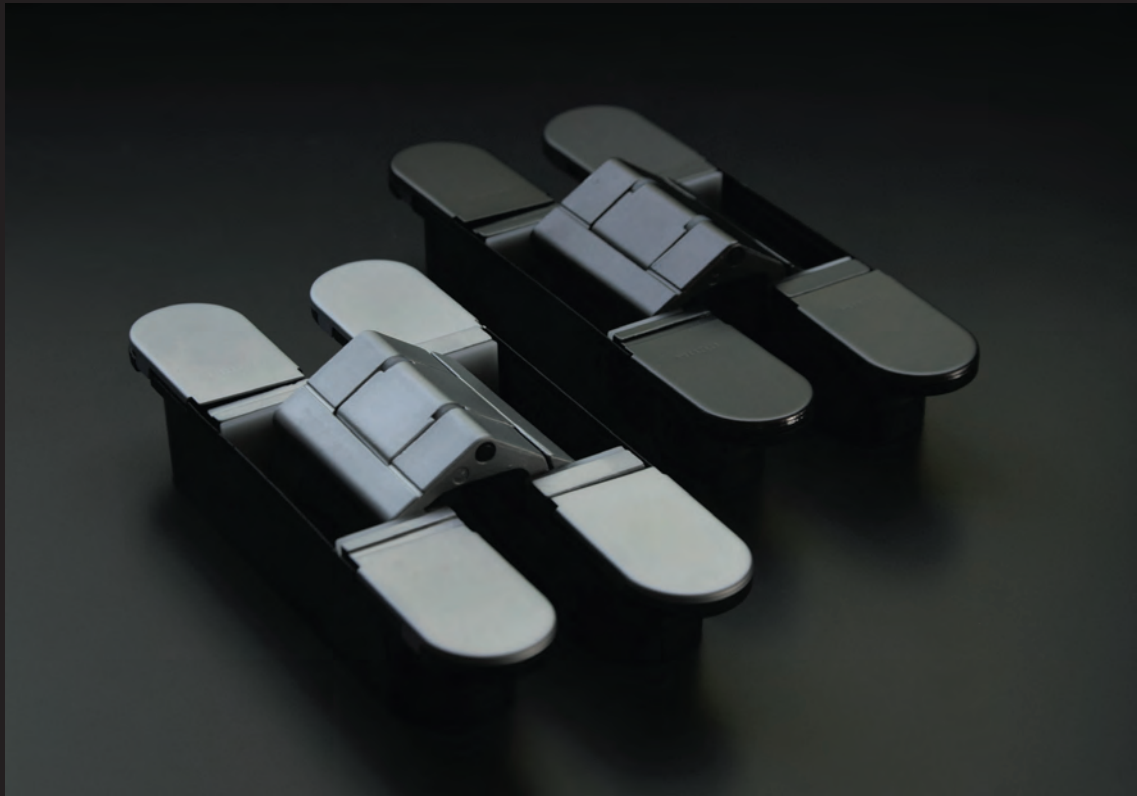


S.T.A.R.S. 

S.T.A.R.S. Series features (individually adjustable three axis system)

A hinge system with three independent adjustable axes

- Fluid 180° opening
- The innovative patented system with internal sliding, reduces the hinges depth to a minimum of 18 mm "BEST IN CLASS"
- Minimum door thickness: 18 mm
- Minimum doorjamb thickness: 15 to 29 mm
- Manufactured in 3 different base materials: Die-Cast, Stainless Steel and Nylon
- Complete reversibility thanks to the perfect symmetry of the two hinge sides (same slot on the door and the jamb)
- Totally recessed hinge body: the gap between door and jamb is significantly small
- 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: wooden doors, 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)

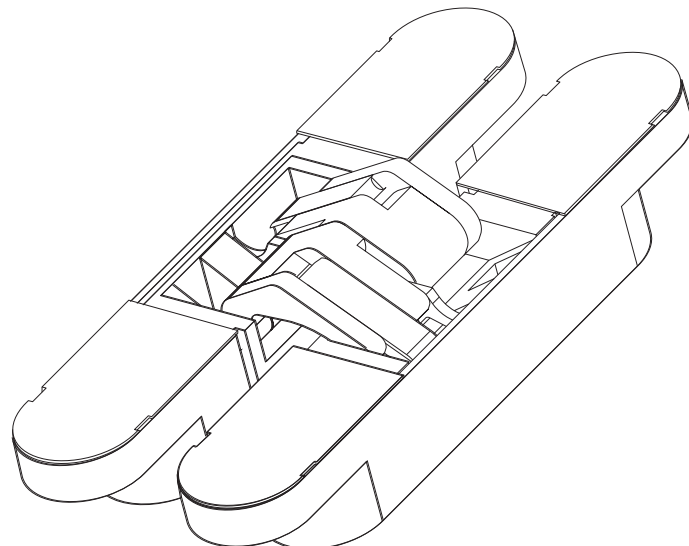
































MODEL SELECTOR

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.

EXAMPLE

Door specifications: Door Height 2100, Door Width: 820mm, Door Weight 60Kg.

Recommended hinge and quantity: 3 x BAC1430 or 2 x BAC1131

Concealed Hinges for NORMAL sized doors up to 2100 high by up to 1300mm wide.

Hinge Model	Number of hinges required per door is calculated by the doors height, width and weight.								Location	
	Max Door Width in mm	601-700	701-800	801-900	901-1000	1001-1100	1101-1200	1201-1300		
BAC1129 Min Door Thickness 28mm	2 Hinges	30	28	25	23	20	NA	NA	Suitable for Internal & External (under cover) Use	
	3 Symmetrical Hinges	40	35	30	38	25	NA	NA		
	3 Asymmetrical Hinges	45	42	40	38	35	NA	NA		
	4 Hinges	48	45	44	42	38	NA	NA		
BAC1430 Min Door Thickness 28mm	2 Hinges	55	53	47	40	35	30	NA		
	3 Symmetrical Hinges	73	70	65	60	51	43	NA		
	3 Asymmetrical Hinges	75	72	68	65	54	47	NA		
	4 Hinges	80	78	75	70	60	50	40		
BAC1131 Min Door Thickness 38mm	2 Hinges	100	90	85	80	70	60	NA		
	3 Symmetrical Hinges	140	130	125	120	108	90	NA		
	3 Asymmetrical Hinges	150	140	135	130	112	98	80		
	4 Hinges	160	156	150	140	120	105	90		
BAC1431 Min Door Thickness 38mm	2 Hinges	115	105	100	95	85	75	NA		
	3 Symmetrical Hinges	155	145	140	135	123	105	75		
	3 Asymmetrical Hinges	165	155	150	145	127	110	96		
	4 Hinges	175	171	165	155	135	120	100		
BAC1432 Min Door Thickness 38mm	2 Hinges	190	185	180	170	155	140	120		
	3 Symmetrical Hinges	225	220	215	200	185	160	140		
	3 Asymmetrical Hinges	245	240	235	215	200	180	160		
	4 Hinges	260	255	250	230	215	190	170		
BAC1230 Min Door Thickness 35mm	2 Hinges	63	60	53	50	40	30	NA	Suits Clad Doors See hinge for max cladding thickness	
	3 Symmetrical Hinges	85	80	73	70	60	44	NA		
	3 Asymmetrical Hinges	90	83	76	74	62	49	NA		
	4 Hinges	95	90	76	80	68	54	40		
BAC1432W Min Door Thickness 38mm	2 Hinges	170	165	160	150	145	140	120		
	3 Symmetrical Hinges	205	200	195	180	165	160	140		
	3 Asymmetrical Hinges	225	220	215	195	180	180	160		
	4 Hinges	240	235	230	210	195	190	170		
BAC1130SS AISI 304L Min Door Thickness 38mm	2 Hinges	56	52	47	43	39	30	NA		Suitable for External Use
	3 Symmetrical Hinges	75	73	68	65	58	43	NA		
	3 Asymmetrical Hinges	80	76	71	68	63	47	NA		
	4 Hinges	85	80	75	72	68	50	40		

Door Closers: The installation of a door closer increases the load on the door, effectively making it appear twice as heavy as its actual weight. As a consequence, this additional load will impact the capacity and integrity of the selected hinges. Therefore, it is important to choose the appropriate hinge model considering the effective increase in door weight.

Concealed Hinges for LARGE sized doors 2101-2700mm high by up to 1300mm wide.

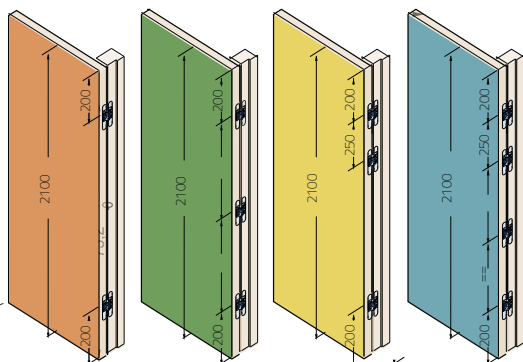
Hinge Model	Number of hinges required per door is calculated by the doors height, width and weight.								
	Max Door Width in mm	601-700	701-800	801-900	901-1000	1001-1100	1101-1200	1201-1300	Location
BAC1430 Min Door Thickness 28mm	3 Symmetrical Hinges	67	64	60	52	45	40	35	Suitable for Internal & External (under cover) Use
	3 Asymmetrical Hinges	71	67	62	58	50	48	40	
	4 Hinges	78	72	65	60	55	51	42	
BAC1131 Min Door Thickness 38mm	3 Symmetrical Hinges	125	120	115	105	95	90	80	
	3 Asymmetrical Hinges	140	135	130	120	110	100	90	
	4 Hinges	145	145	140	130	120	110	95	
BAC1431 Min Door Thickness 38mm	3 Symmetrical Hinges	140	130	125	120	110	105	85	
	3 Asymmetrical Hinges	155	145	140	135	120	115	105	
	4 Hinges	165	160	150	145	130	125	110	
BAC1432 Min Door Thickness 38mm	3 Symmetrical Hinges	200	200	195	180	170	160	150	
	3 Asymmetrical Hinges	220	215	205	195	185	180	170	
	4 Hinges	235	230	230	210	195	190	180	
BAC1230 Min Door Thickness 35mm	3 Symmetrical Hinges	70	67	64	60	50	45	39	Suits Clad Doors See hinge for max cladding thickness
	3 Asymmetrical Hinges	75	71	67	62	58	52	43	
	4 Hinges	83	78	72	65	60	55	46	
BAC1432W Min Door Thickness 38mm	3 Symmetrical Hinges	205	200	195	180	165	160	140	
	3 Asymmetrical Hinges	225	220	215	195	180	180	160	
	4 Hinges	240	235	230	210	195	190	170	

Concealed Hinges for MONSTER sized doors 2700-3500mm high by up to 1300mm wide.

Hinge Model	Number of hinges required per door is calculated by the doors height, width and weight.									
	Max Door Width in mm	601-700	701-800	801-900	901-1000	1001-1100	1101-1200	1201-1300	Location	
BAC1430	3 Symmetrical Hinges	70	65	59	50	47	40	35	Suitable for Internal & External (under cover) Use	
	4 Hinges	78	70	64	55	50	49	41		
BAC1131	3 Symmetrical Hinges	110	105	100	90	80	75	70		
	4 Hinges	135	130	120	110	105	90	80		
BAC1431	3 Symmetrical Hinges	110	105	100	90	80	78	75		
	4 Hinges	135	130	110	105	105	95	85		
BAC1432	3 Symmetrical Hinges	200	195	175	165	160	155	145		
	4 Hinges	235	220	210	200	190	185	175		
BAC1230	3 Symmetrical Hinges	70	65	59	50	44	41	NA		Suits Clad Doors See hinge for max cladding thickness
	4 Hinges	78	70	64	53	48	44	41		
BAC1432W	3 Symmetrical Hinges	180	170	160	155	150	145	140		
	4 Hinges	215	200	190	185	180	175	170		

POSITION OF HINGES

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

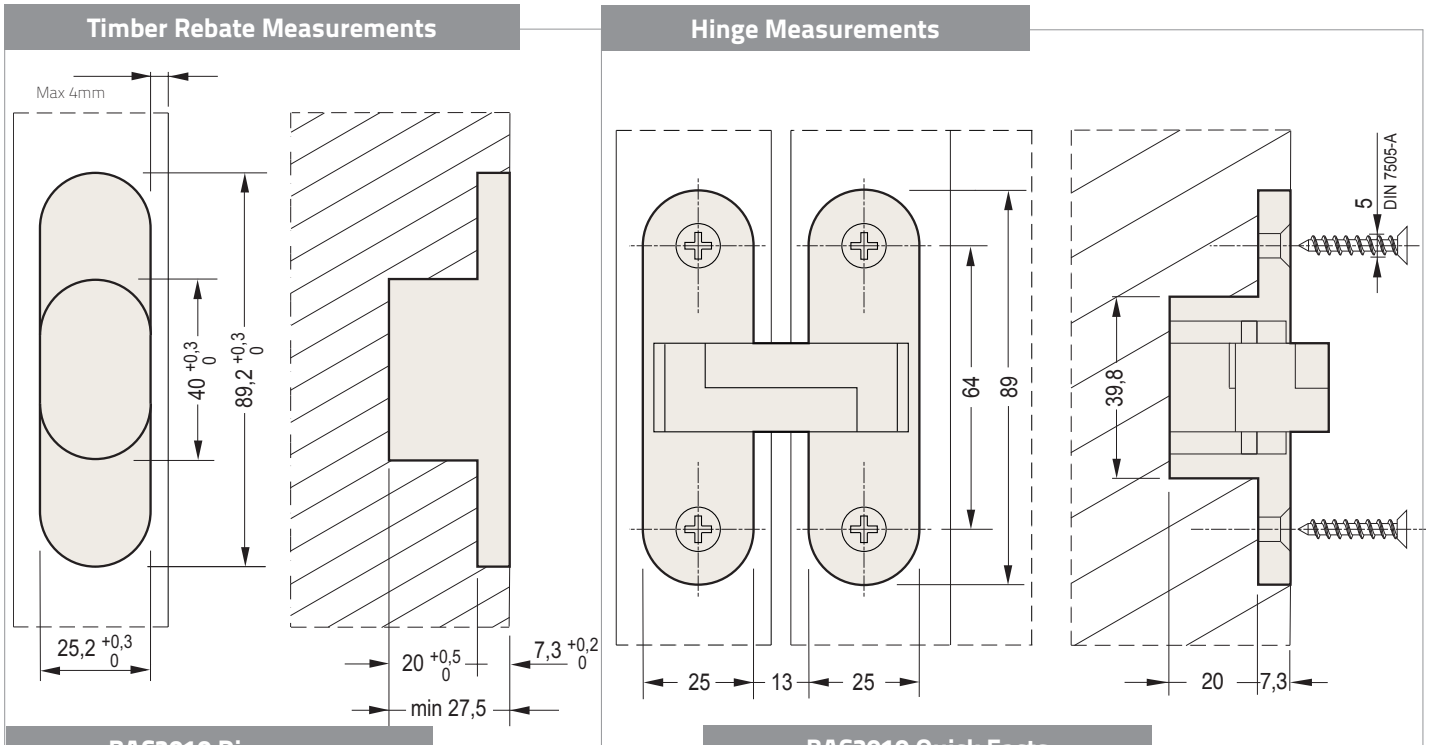


CEAM Quick Facts

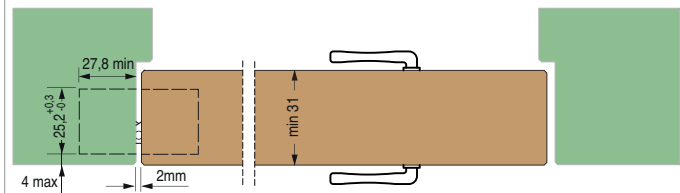
Stock	Full range stocked locally
Door Type Suitability	Timber, Aluminium, Steel & Glass
Jigs & Templates	Available to Buy & Rent
Gap when closed	2mm
Working aperture	180°
Manufacturing location	100% Made in Italy
Reliability	Certified to over 200,000 cycles
Adjustable	3D adjustment on 3 (X,Y,Z) axes
Quick Release	CEAM quick release system, never need to touch the door or jamb again

Concealed Hinge BAC2010 Technical Data

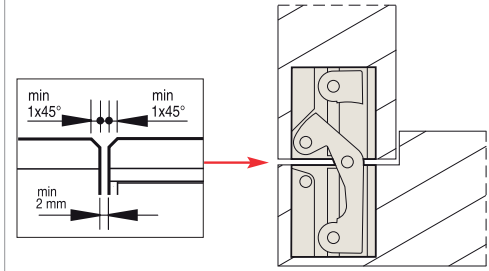
304 Grade Stainless Steel & Industrial Nylon: Max 60kg



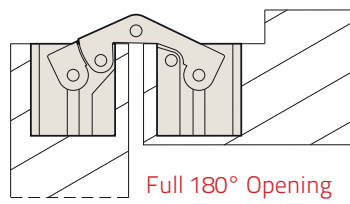
BAC2010 Diagrams



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



Min 2mm gap between door and jamb



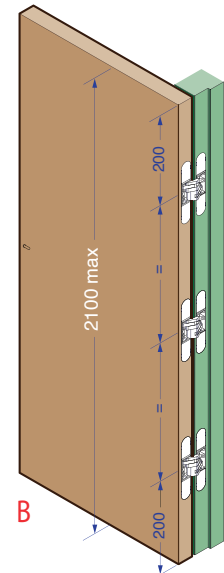
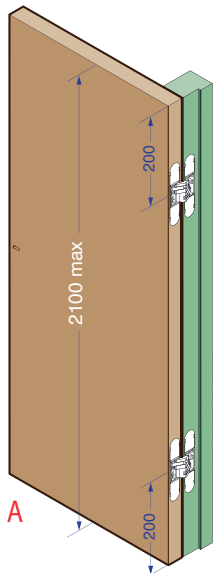
BAC2010 Quick Facts

- 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 locations

Note: if being used with a door closer see page 40.

No. of Hinges based on Door Width & Weight

Door width up to 850 mm **height up to 2100 mm**
A - 2 hinges 40 kg Max *The hinge must be lubricated once a year*
B - 3 hinges 60 kg Max
more than 2100 mm high
C - Please Call Bellevue



Concealed Hinge BAC2010 Functional Data

304 Grade Stainless Steel & Industrial Nylon: Max 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 reliable, completely invisible (when the door is closed) and ideal for doors that weigh up to 60kg.

Designed to allow a door to open and close, as would any other hinge, but with one difference; you don't see it. Made out of stainless steel and industrial strength nylon, the BAC2010 hinge 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 rated to 100,000 opening and closing cycles.

Once installed the BAC2010 hinge becomes totally invisible when the door is closed, providing a clean, sophisticated blended door to wall look.

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 door

jamb and the door which butts up against each other when the door is closed, with only a minimum 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.

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

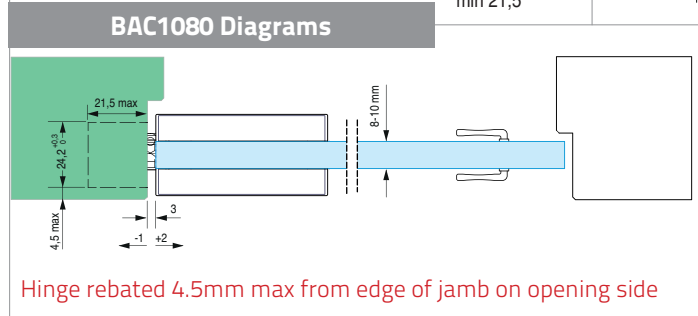
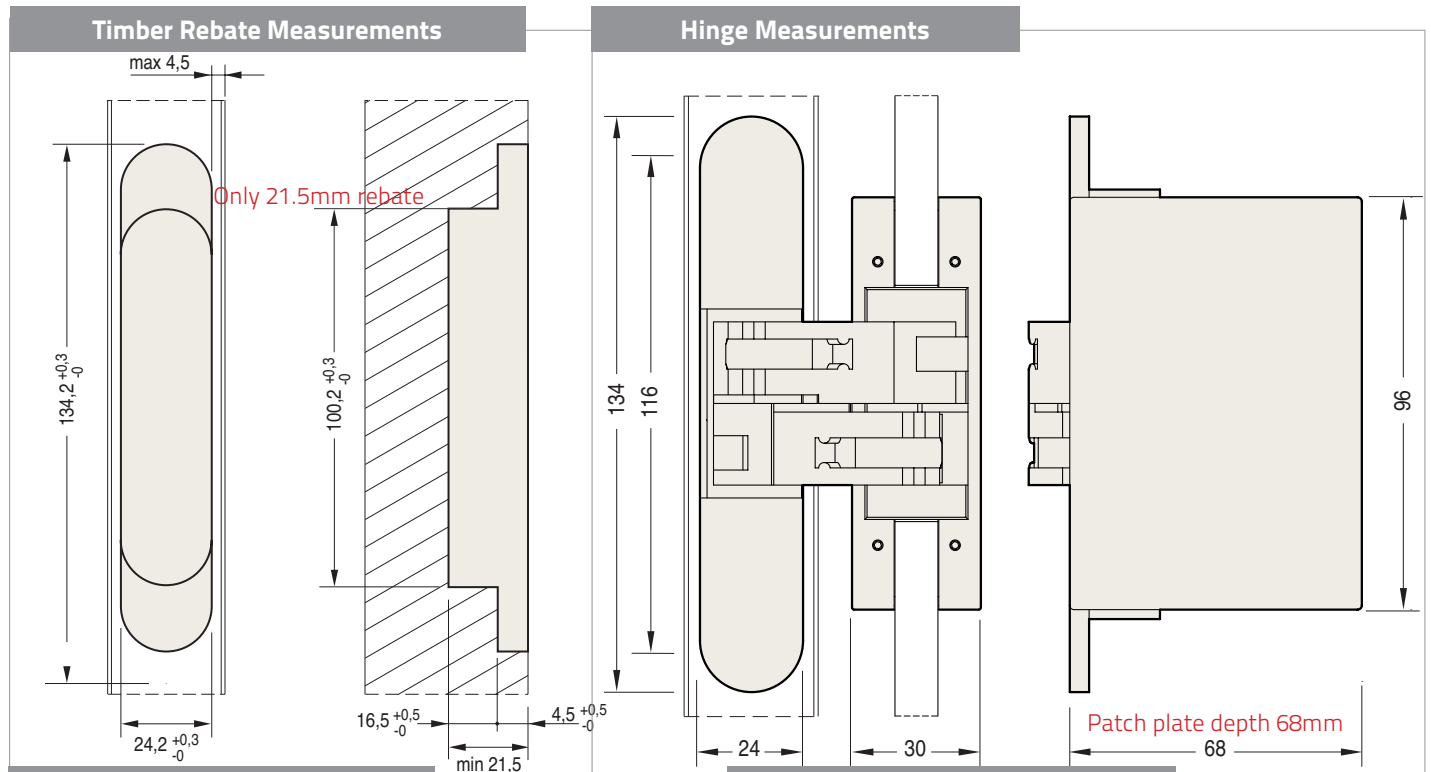
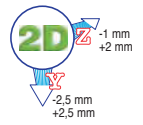
BAC2010 Quick Facts	
Min. door thickness	31mm
Max. door weight	60kg (subject to door size & weight)
Narrow rebate	27.5mm
Gap when closed	2mm
Working aperture	180°
Manufacturing location	100% Made in Italy
Reliability	Certified to over 100,000 cycles



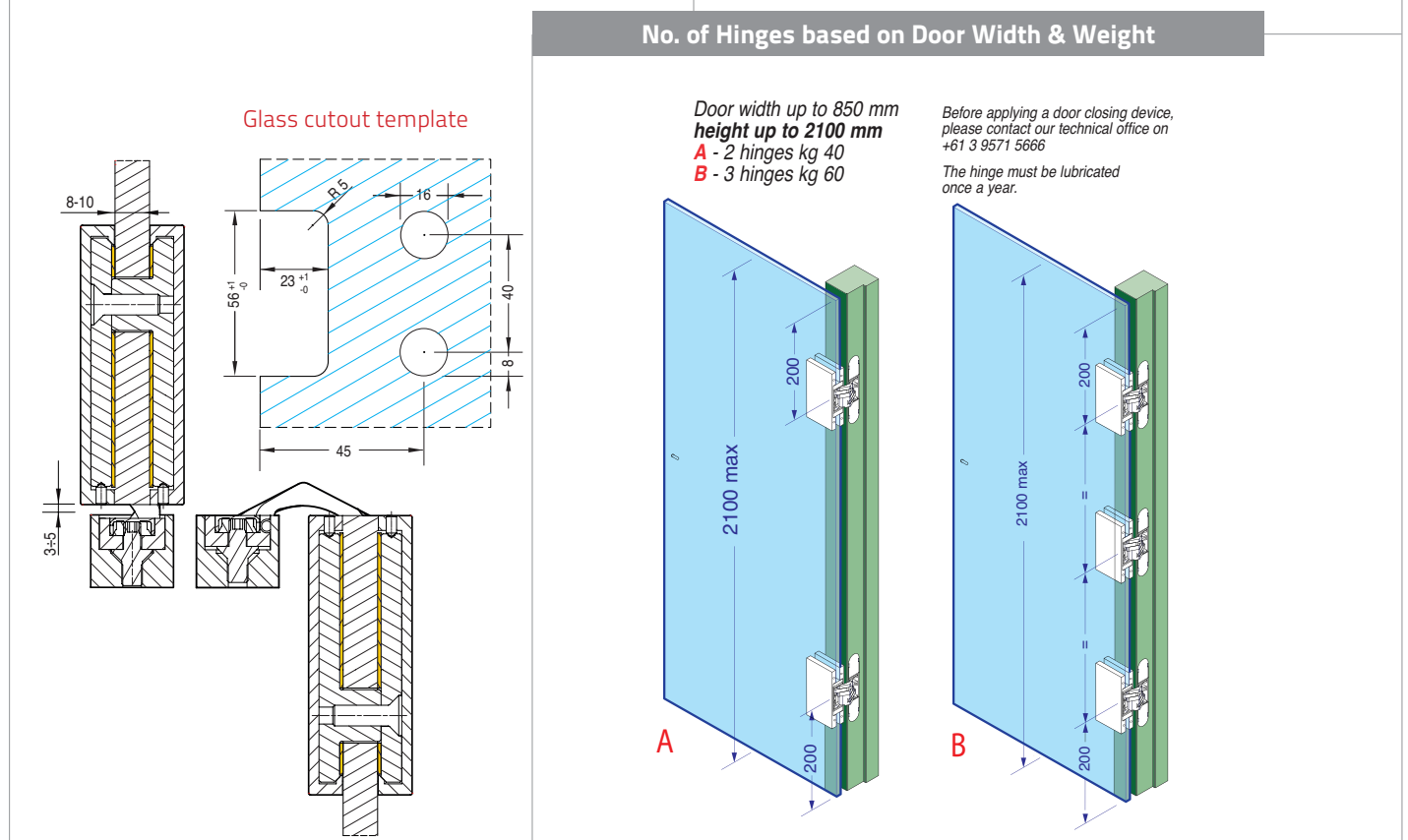
BAC2010 Order Codes	
BAC2010SS	Satin Stainless
BAC2010PB	Polished Brass with Stainless knuckle
BACJIG-BACT2010	Jig & hinge template (rent or buy) pg. 37 - 39

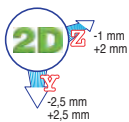
2D Concealed BAC1080 Glass Technical Data

Y & Z Adjustable: Max 60kg Glass Door



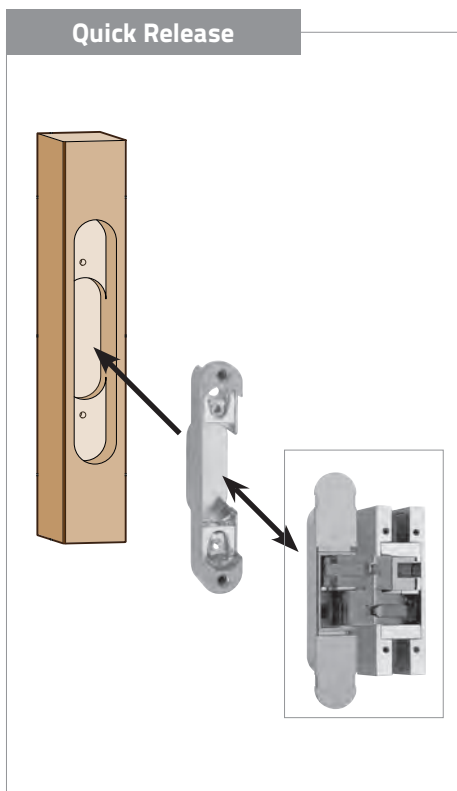
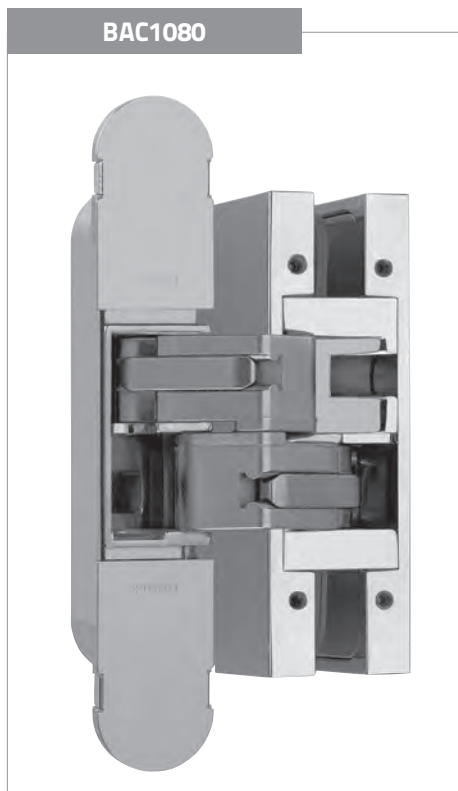
- ### BAC1080 Quick Facts
- 2D adjustable Glass Hinge
 - CEAM quick release system
 - Available in multiple finishes
 - Suitable for glass 8-10mm thick
 - 100% Made in Italy for over 50 years
 - Suitable for high frequency opening doors
 - Jig & router template available for easy of installation
 - Suitable for internal & external (under cover) locations
 - Suitable for residential, commercial & industrial locations
- Note: if being used with a door closer see page 40.**





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 a 8-10mm thick 60kg glass door. It's revolutionary in it's design by combining 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 touch the jamb again.

The hinge sits within a cup, the cup 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.

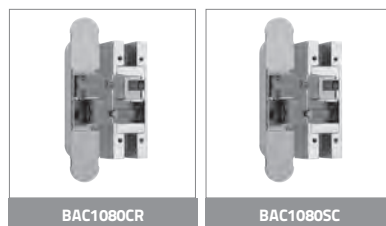
Door movement: Over time, this can be an expensive problem to fix. Not with the BAC1080 2D adjustable hinge; it specifically caters for door movement.

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 jamb needs to be planed and repainted; a costly and time consuming effort. Not any more.

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

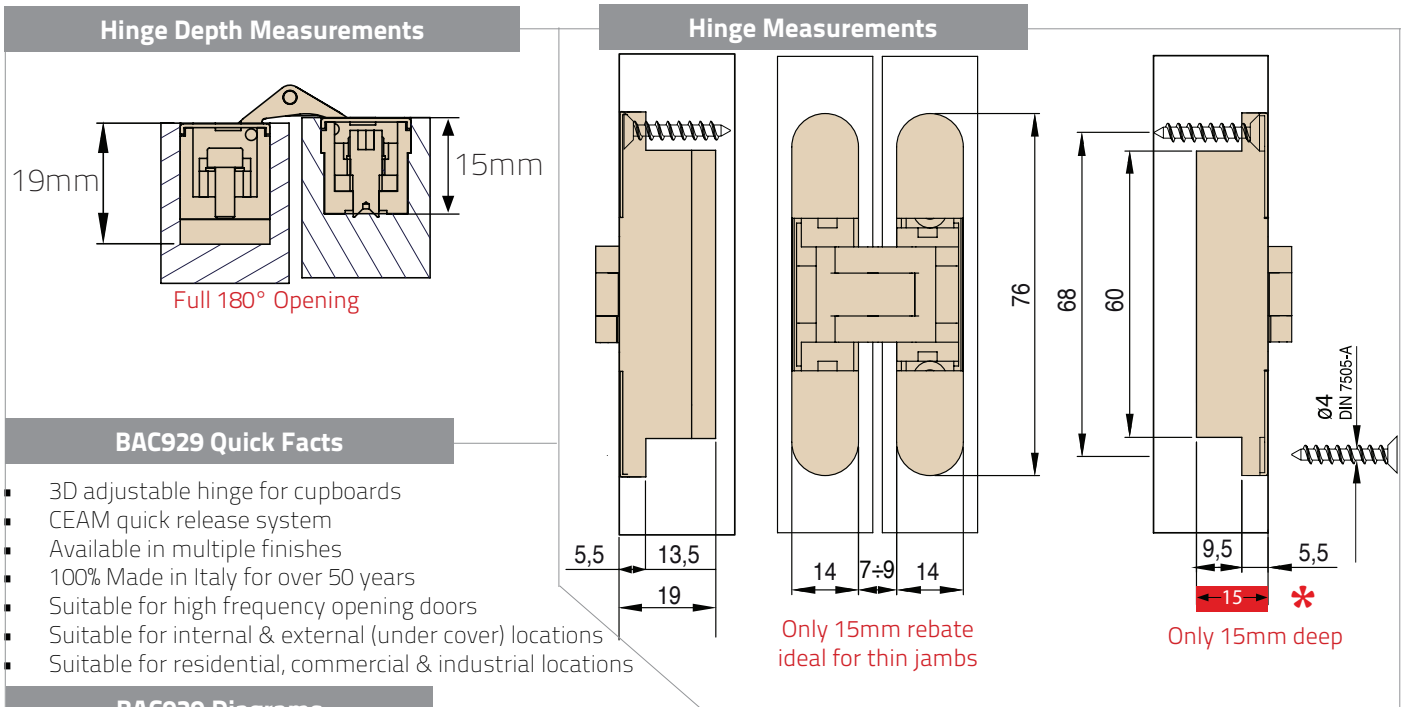
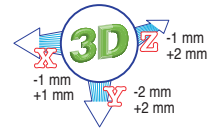
Min. glass thickness	8 -10mm
Min. Jamb thickness	30mm
Max. door weight	60kg (subject to door size & weight)
Narrow rebate	21.5mm
Gap when closed	3mm
Working aperture	180°
Manufacturing location	100% Made in Italy
Reliability	Certified to over 200,000 cycles
Adjustable	2D adjustment on 2 (Y, Z) axes
Quick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

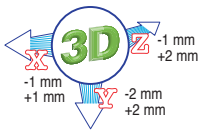


BAC1080 Order Codes	
BAC1080CR	Polished Chrome
BAC1080SC	Satin Chrome
BACJIG-BACT1080	Jig & hinge template (rent or buy) pg.45-47

3D Concealed Hinge BAC929 Technical Data

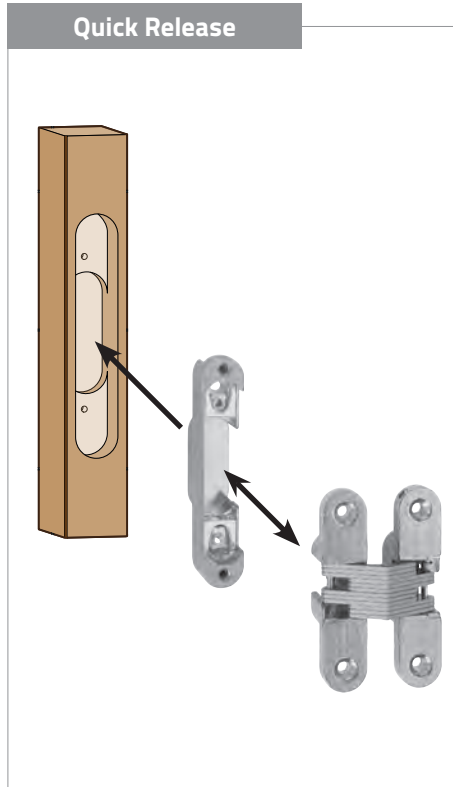
Fully Adjustable: Max 21kg (based on door 2040 x 600mm)





3D Concealed Hinge BAC929 Functional Data

Fully Adjustable: Max 21kg (based on door 2040 x 600mm)



3D Fully Concealed Adjustable Hinge for Cupboards.

The BAC929 3D adjustable concealed cupboard hinge is revolutionary in its design and is rated to carry a 24kg 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.

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, the cup 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.

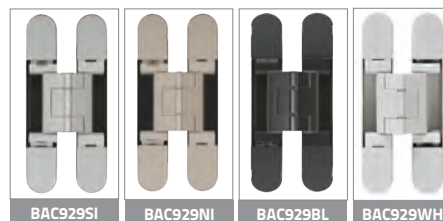
Once movement occurs, a door may not close properly or rub the paintwork. To fix, the door needs to come down and then the door and/or jamb needs to be planed and repainted; a costly and time consuming effort.

Using the BAC929, 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.

BAC929 Quick Facts

Min. door thickness	18mm
Max. door weight	24kg (subject to door size & weight)
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

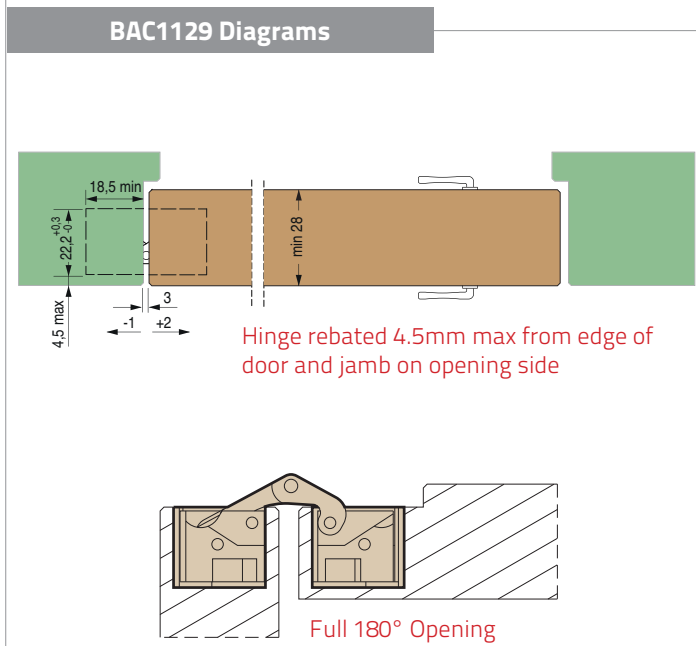
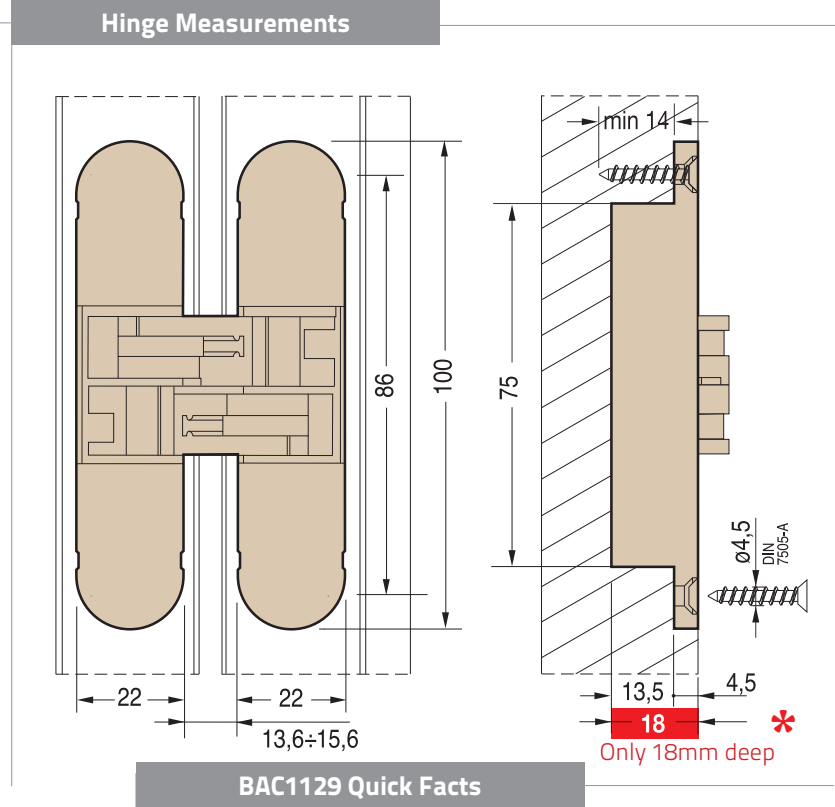
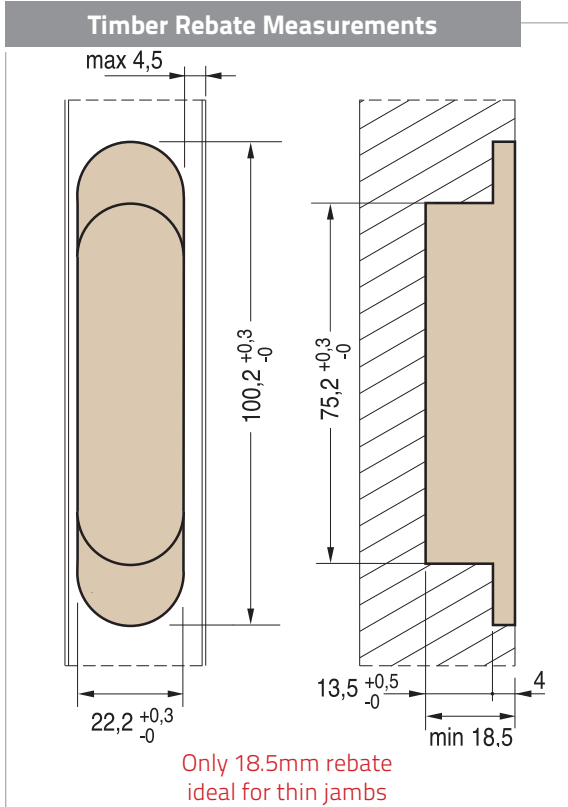
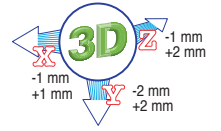


BAC929 Order Codes

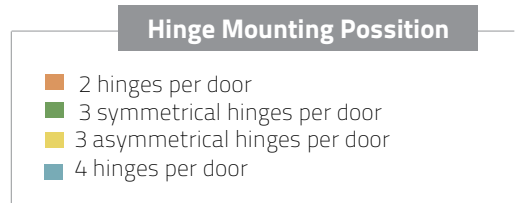
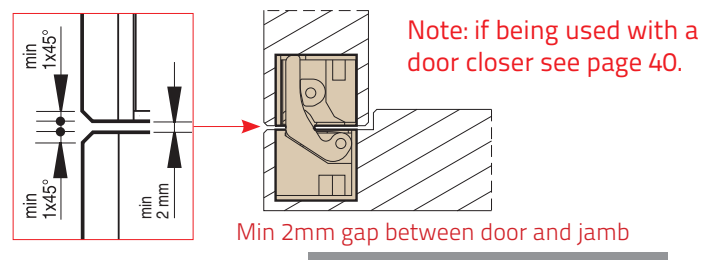
BAC929SI	Silver
BAC929NI	Polished nickel
BAC929BL	Black
BAC929WH	White

3D Concealed Hinge BAC1129 Technical Data

Fully Adjustable: Max 42kg (based on door 2040 x 920mm)

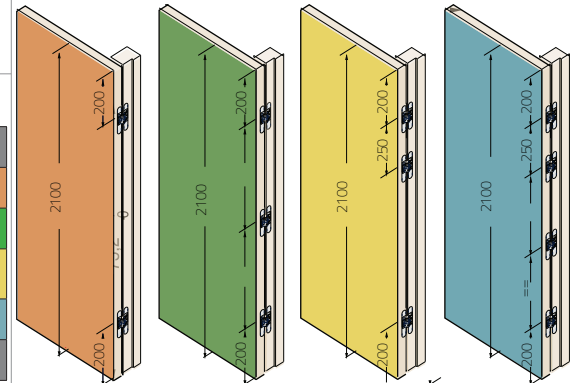


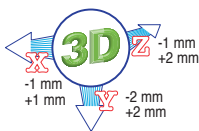
- ### BAC1129 Quick Facts
- 3D adjustable
 - CEAM quick release system
 - Available in multiple finishes
 - 100% Made in Italy for over 50 years
 - Suitable for high frequency opening doors
 - Jig & router template available for easy installation
 - Suitable for internal & external (under cover) locations
 - Suitable for residential, commercial & industrial locations



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

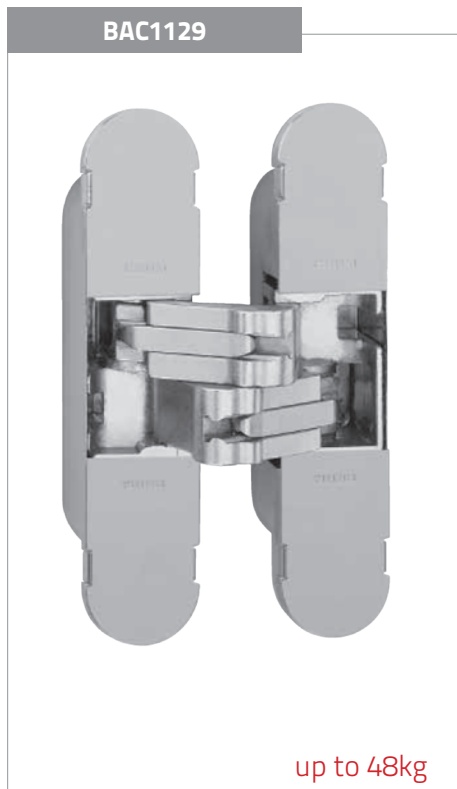
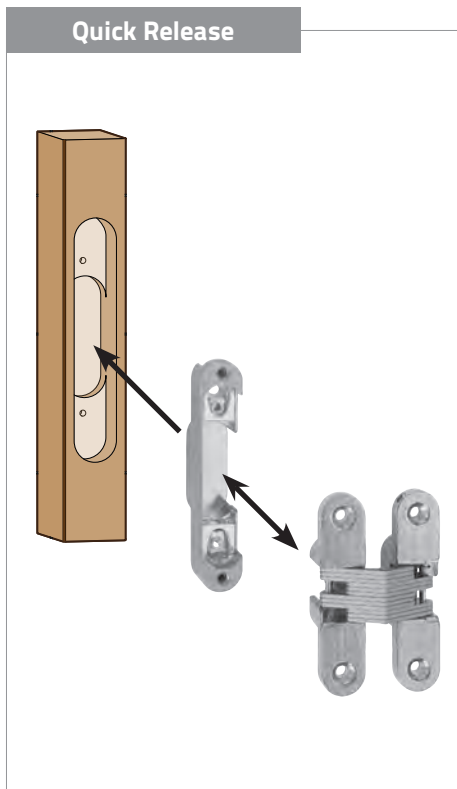
0 > door < 2100 mm	Max Door Weight in KG				
2 Hinges	20	23	25	28	30
3 Symmetrical hinges	25	38	30	35	40
3 asymmetrical hinges	35	38	40	42	45
4 Hinges	38	42	44	45	48
Max door width in mm	1001-1100	901-1000	801-900	701-800	601-700





3D Concealed Hinge BAC1129 Functional Data

Fully Adjustable: Max 42kg (based on door 2040 x 920mm)



The BAC1129 3D adjustable concealed hinge is revolutionary in its design and is rated to carry a 48kg 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, the cup 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.

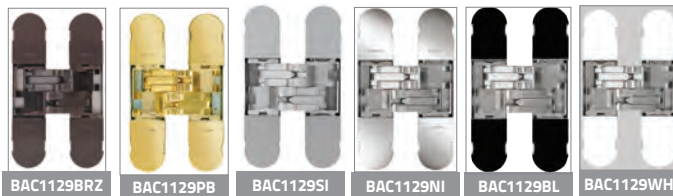
Once movement occurs, a door may not close properly or may rub the paintwork. To fix this, generally the door needs to come down and then the door and/or jamb needs to be planed and repainted; a costly and time consuming effort.

Using the BAC1129, 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.

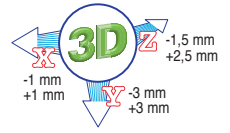
BAC1129 Quick Facts

Min. door thickness	28mm
Max. door weight	48kg (subject to door size & weight)
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

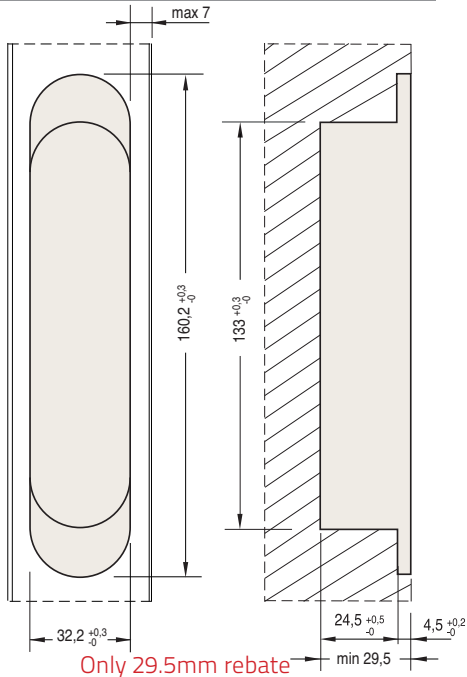
BAC1129SI	Silver
BAC1129NI	Polished nickel
BAC1129PB	Brass
BAC1129WH	White (Cover Plates Only)
BAC1129BL	Black (Cover Plates Only)
BAC1129BRZ	Bronze
BACJIG-BAC1129	Jig & hinge template (rent or buy) pg.45-47



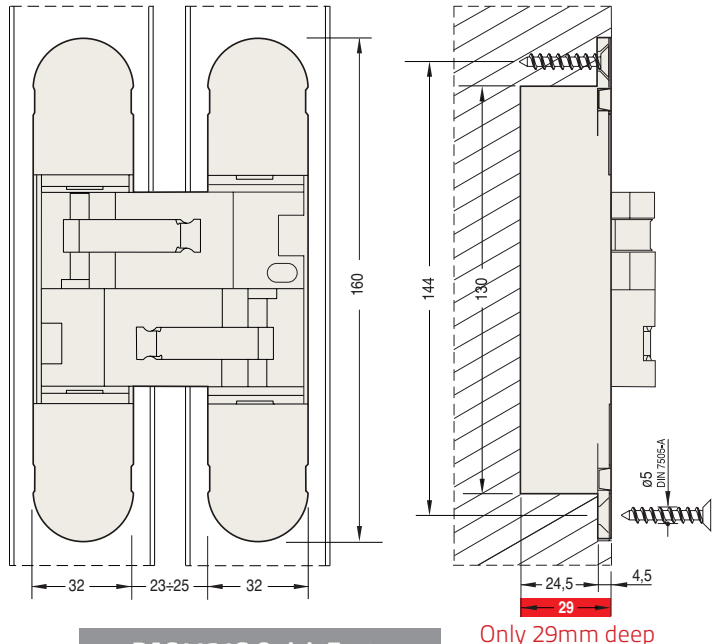
3D Concealed Hinge BAC1131S Technical Data

Fully Adjustable: Max 150kg (based on door 2040 x 900mm)

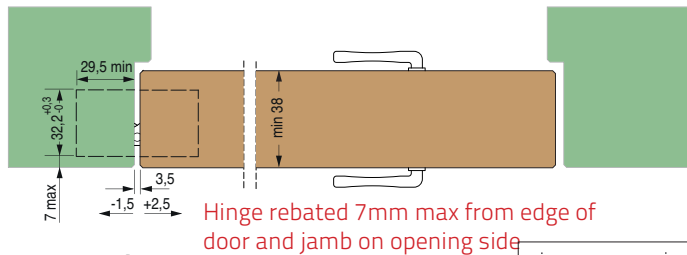
Timber Rebate Measurements



Hinge Measurements



BAC1131S Diagrams



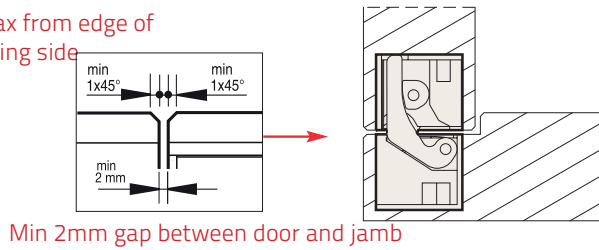
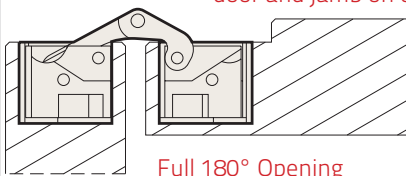
BAC1131S Quick Facts

- 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

Note: if being used with a door closer see page 40.

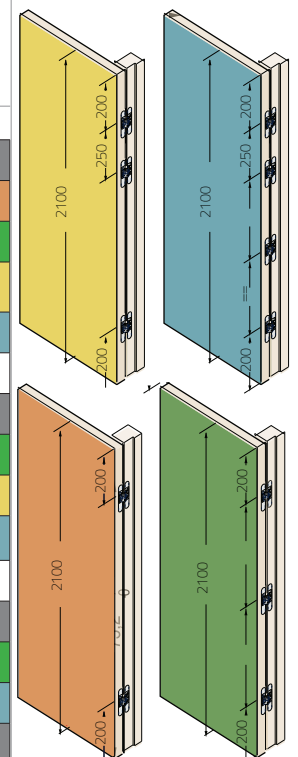
Hinge Position

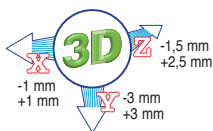
- 2 hinges per door
- 3 symmetrical per door
- 3 asymmetrical per door
- 4 hinges per door



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

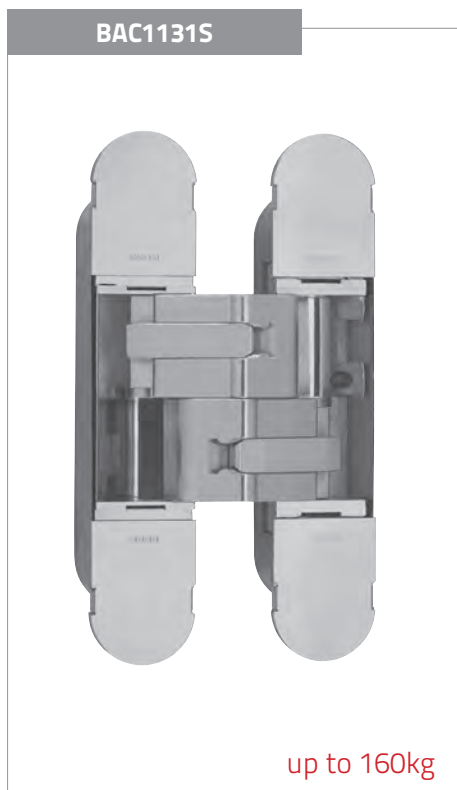
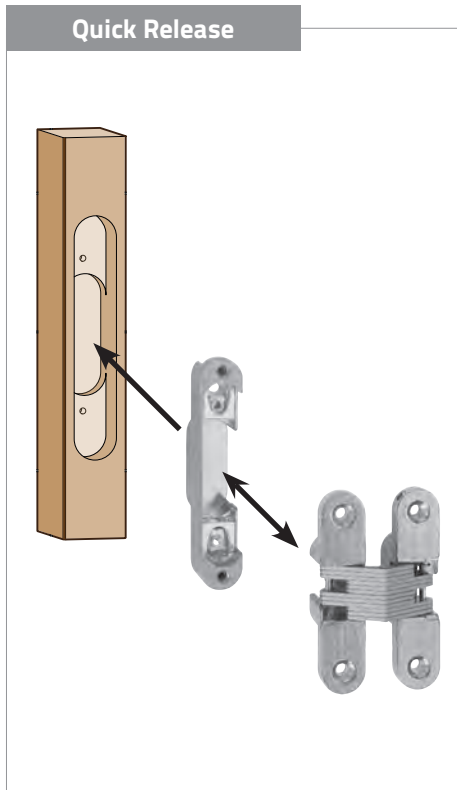
0 > door < 2100 mm	Max Door Weight in KG						
2 Hinges	n.a.	60	70	80	85	90	100
3 Symmetrical hinges	n.a.	90	108	120	125	130	140
3 asymmetrical hinges	80	98	112	130	135	140	150
4 Hinges	90	105	120	140	150	156	160
2101 > door < 2700 mm	Max Door Weight in KG						
3 Symmetrical hinges	80	90	95	105	115	120	125
3 asymmetrical hinges	90	100	110	120	130	135	140
4 hinges	95	110	120	130	140	145	145
2701 > door < 3200 mm	Max Door Weight in KG						
3 Symmetrical hinges	70	75	80	90	100	105	110
4 hinges	80	90	105	110	120	130	135
Max door width in mm	1201-1300	1101-1200	1001-1100	901-1000	801-900	701-800	601-700





3D Concealed Hinge BAC1131S Functional Data

Fully Adjustable: Max 150kg (based on door 2040 x 900mm)



The BAC1131S 3D adjustable concealed hinge is revolutionary in its design and is rated to carry a 160kg 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, the cup 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.

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 BAC1131S, 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.

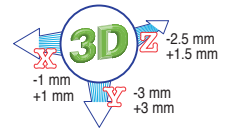
BAC1131S Quick Facts

Min. door thickness	38mm
Max. door weight	160kg (subject to door size & weight)
Narrow timber rebate	29.5mm
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



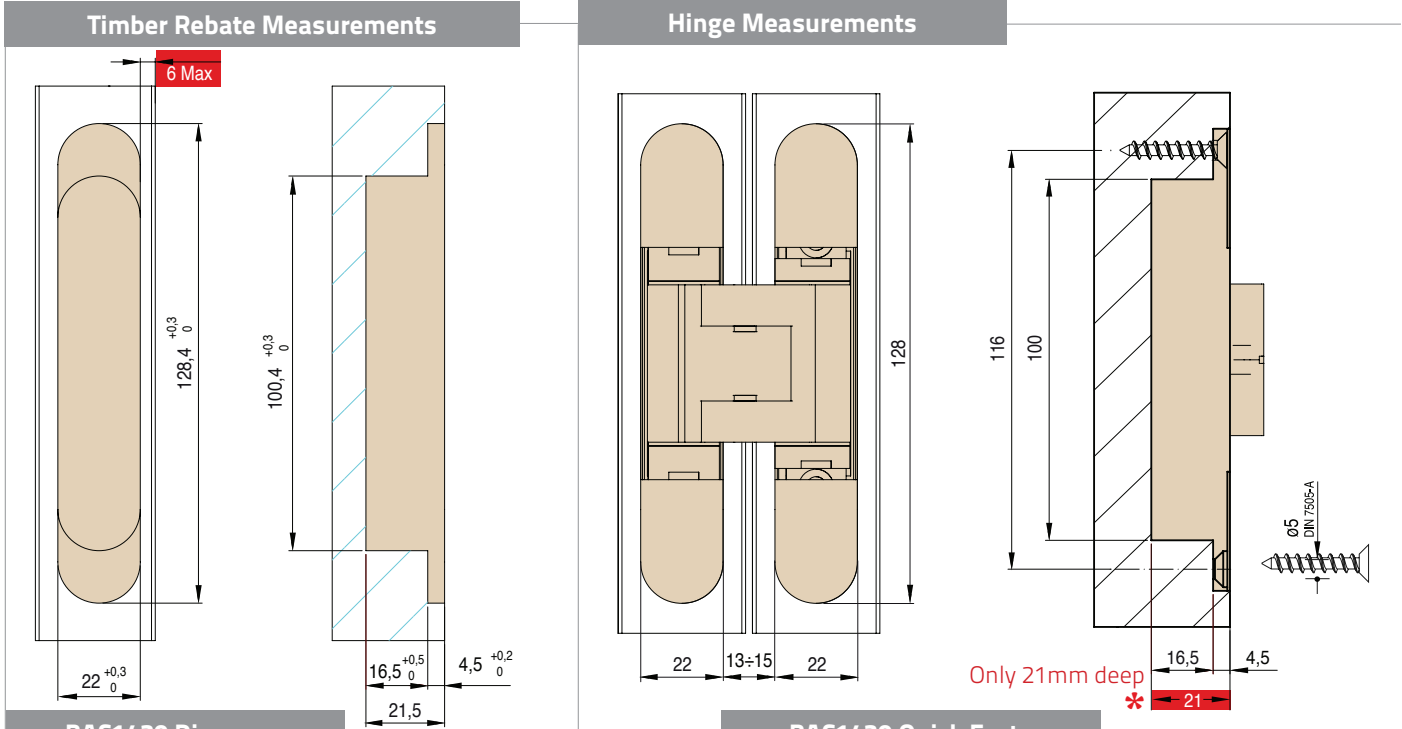
BAC1131S Order Codes

BAC1131SSI	Silver
BAC1131SNI	Polished Nickel
BAC1131SPB	Polished Brass
BAC1131SBZ	Bronze
BAC1131SBL	Black
BACJIG-BACT1131S	Jig & hinge template (rent or buy) pg.45-47

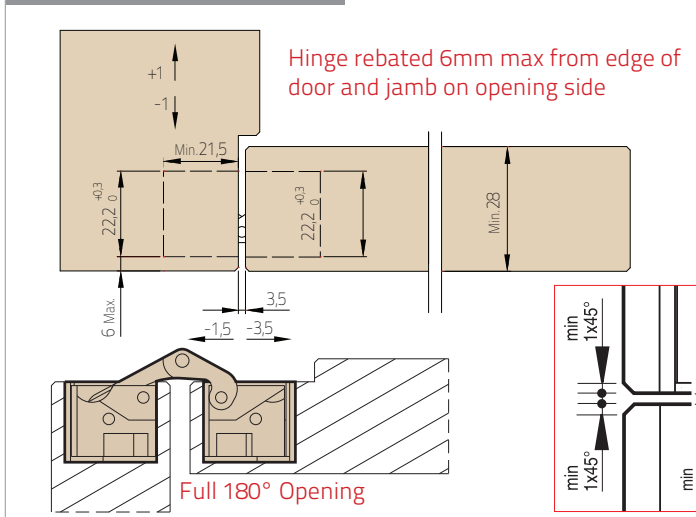


3D Concealed Hinge BAC1430 Technical Data

Fully Adjustable: Max 75kg (based on door 2040 x 920mm)



BAC1430 Diagrams



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

Note: if being used with a door closer see page 40.

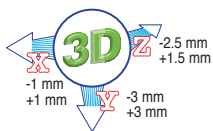
Hinge Position

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



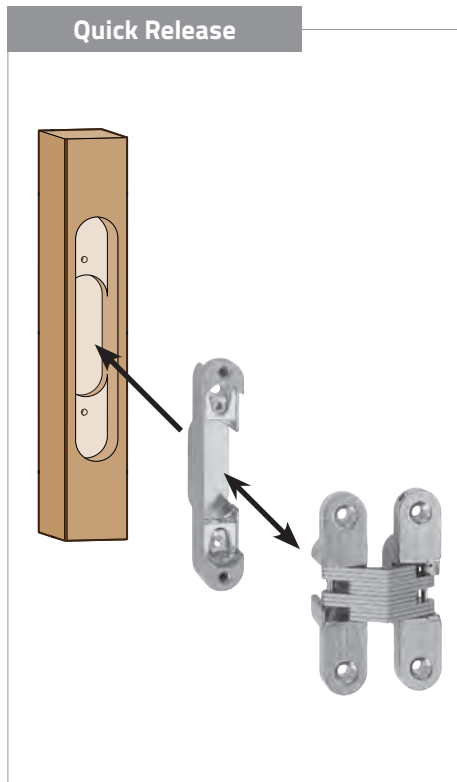
No. of Hinges based on Door Height, Width & Weight

0 > door < 2100 mm	Max Door Weight in KG									
	2 Hinges	3 Symmetrical hinges	3 asymmetrical hinges	4 Hinges	40	50	60	70	75	80
2 Hinges	n.a.	30	34	40	47	53	55			
3 Symmetrical hinges	n.a.	43	51	60	65	70	73			
3 asymmetrical hinges	n.a.	47	54	65	68	72	75			
4 Hinges	40	50	60	70	75	78	80			
2101 > door < 2700 mm	Max Door Weight in KG									
	3 Symmetrical hinges	35	40	45	52	60	64	67		
3 asymmetrical hinges	40	48	50	58	62	67	71			
4 hinges	42	51	55	60	65	72	78			
2701 > door < 3200 mm	Max Door Weight in KG									
	3 Symmetrical hinges	35	40	47	50	59	65	70		
4 hinges	41	49	50	55	64	70	78			
Max door width in mm	1201-1300	1101-1200	1001-1100	901-1000	801-900	701-800	601-700			



3D Concealed Hinge BAC1430 Functional Data

Fully Adjustable: Max 75kg (based on door 2040 x 920mm)



up to 80kg

The BAC1430 3D adjustable concealed hinge is revolutionary in its design and is rated to carry a 80kg 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.

NEW 3D fully adjustable Concealed Hinge now available in white. 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, the cup 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.

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 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	80kg (subject to door size & weight)
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

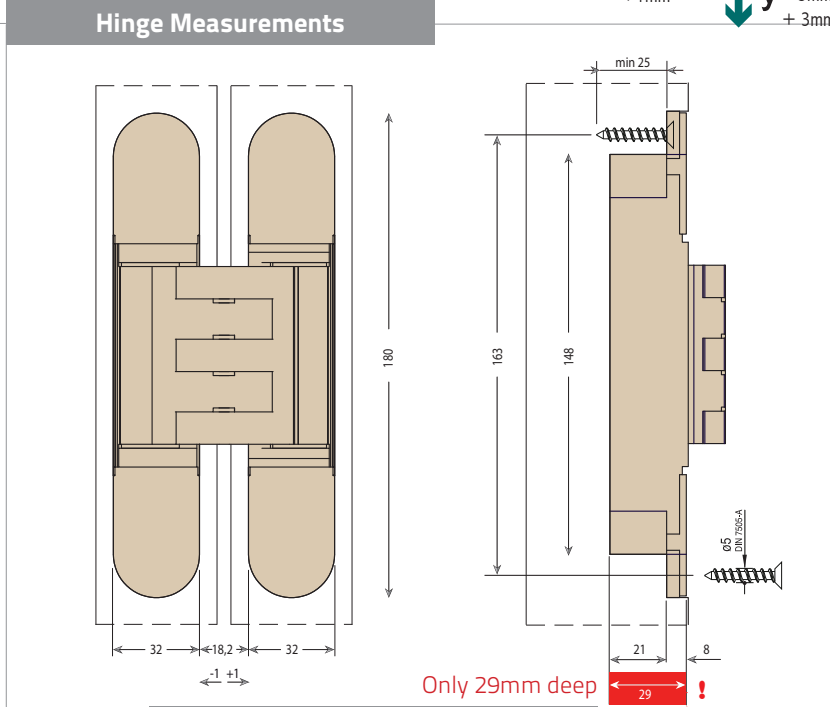
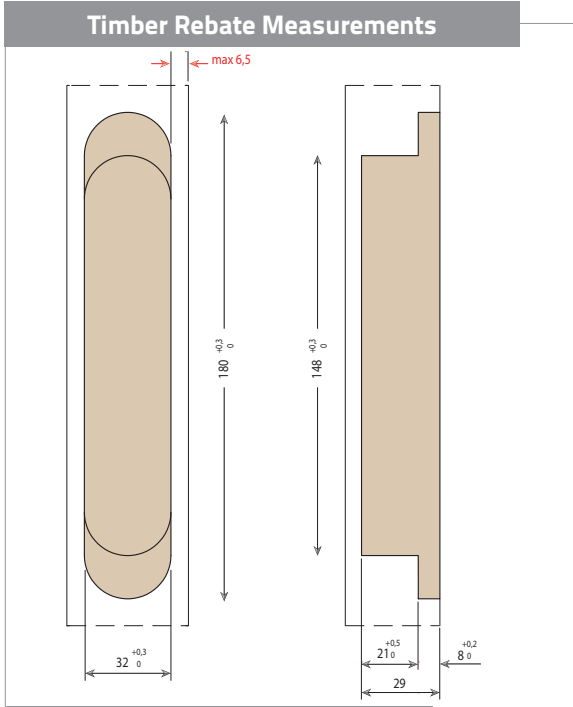
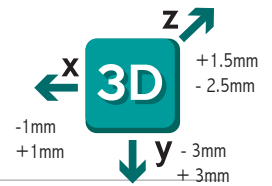


BAC1430 Order Codes

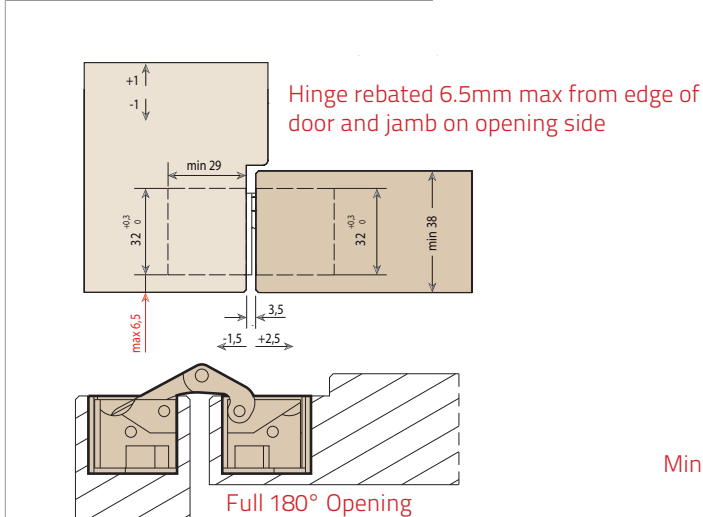
BAC1430SI	Silver
BAC1430PB	Polished Brass
BAC1430BL	Black
BAC1430WH	White
BAC1430BZ	Bronze
BAC1430SN	Satin Nickel
BAC1430CR	Polished Chrome
BACJIG-BACT1430	Jig & hinge template (rent or buy) pg.45-47

3D Concealed Hinge BAC1431 Technical Data

Fully Adjustable: Max 165kg (based on door 2040 x 920mm)



BAC1431 Diagrams



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
- Note: if being used with a door closer see page 40.**

Hinge Position

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

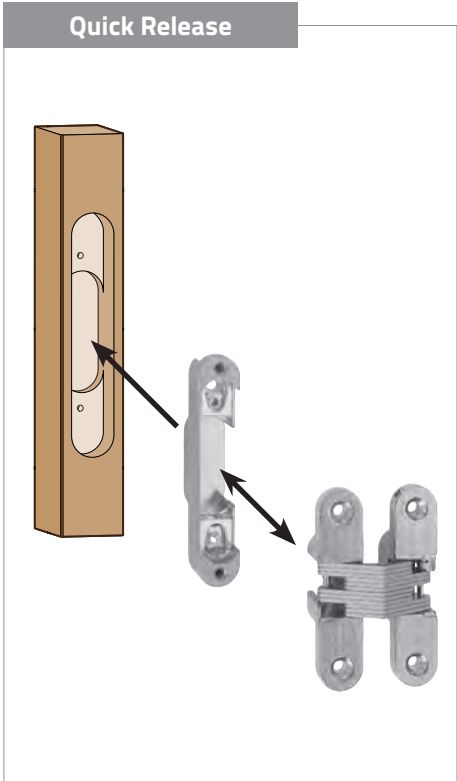
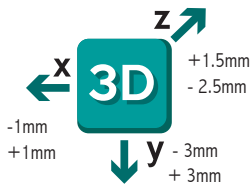


No. of Hinges based on Door Height, Width & Weight

0 > door < 2100 mm	Max Door Weight in KG						
2 Hinges	n.a.	75	85	95	100	105	115
3 Symmetrical hinges	75	105	123	135	140	145	155
3 asymmetrical hinges	96	110	127	145	150	155	165
4 Hinges	100	120	135	155	165	171	175
2101 > door < 2700 mm	Max Door Weight in KG						
3 Symmetrical hinges	85	105	110	120	125	130	140
3 asymmetrical hinges	105	115	120	135	140	145	155
4 hinges	110	125	130	145	150	160	165
2701 > door < 3200 mm	Max Door Weight in KG						
3 Symmetrical hinges	75	78	80	90	100	105	110
4 hinges	85	95	105	110	120	130	135
Max door width in mm	1201-1300	1101-1200	1001-1100	901-1000	801-900	701-800	601-700

3D Concealed Hinge BAC1431 Functional Data

Fully Adjustable: Max 165kg (based on door 2040 x 920mm)



up to 175kg

NEW 3D fully adjustable Concealed Hinge for heavy doors up to 175Kg. Solid Colour Including the knuckle.

The BAC1431 3D adjustable concealed hinge is revolutionary in its design and is rated to carry a 175kg 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, the cup 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.

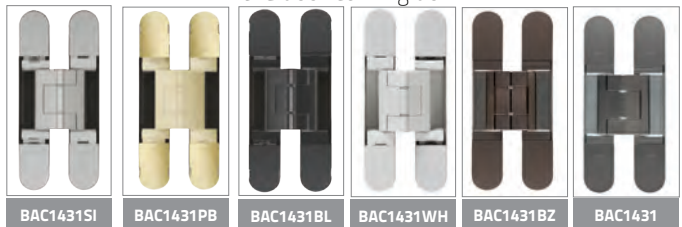
Once movement occurs, a door may not close properly or rub the paintwork. To fix, the door needs to come down and then the door and/or jamb needs to be planed and repainted; a costly and time consuming effort.

Using the 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

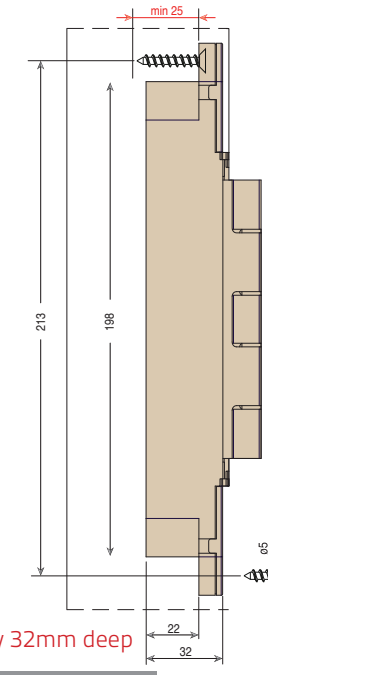
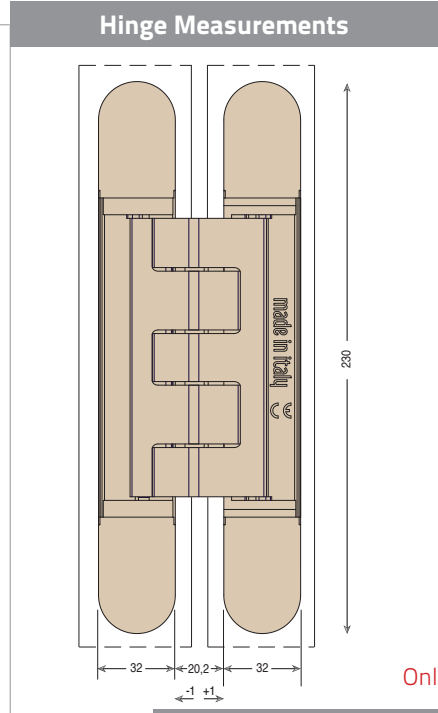
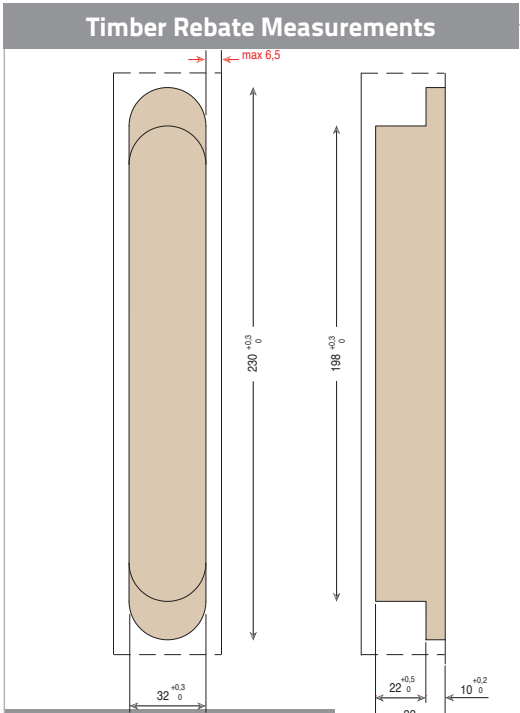
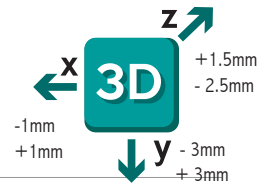
Min. door thickness	38mm
Max. door weight	175kg (subject to door size & weight)
Narrow timber rebate	29mm (ideal for thin jambs)
Gap when closed	2mm
Working aperture	180°
Manufacturing location	100% Made in Italy
Reliability	Certified to over 200,000 cycles
Adjustable	3D adjustment on 3 (X,Y,Z) axes
Quick Release	CEAM quick release system, never need to touch the door or jamb again



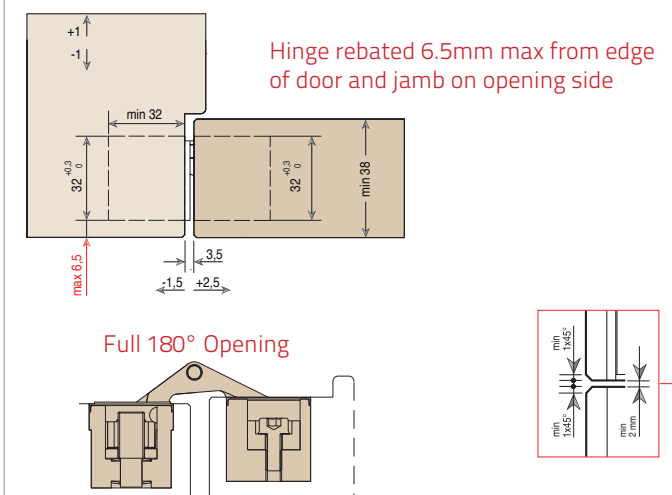
BAC1431 Order Codes	
BAC1431SI	Silver
BAC1431PB	Polished Brass
BAC1431BL	Black
BAC1431WH	White
BAC1431BZ	Bronze
BAC1431SN	Satin Nickel
BAC1431CR	Polished Chrome
BACJIG-BACT1431	Jig & hinge template (rent or buy) pg.45-47

3D Concealed Hinge BAC1432 Technical Data

Fully Adjustable: Max 230kg (based on door 2040 x 920mm)



BAC1432 Diagrams



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
- Note: if being used with a door closer see page 40.**

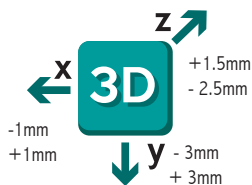
Hinge Position

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



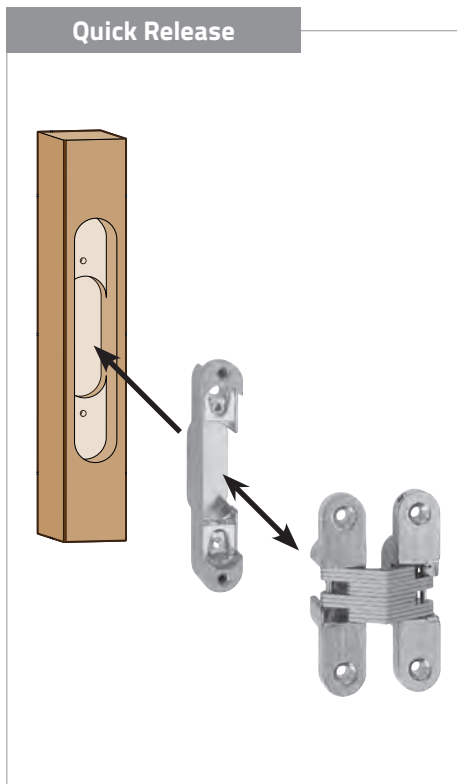
No. of Hinges based on Door Height, Width & Weight

0 > door < 2100 mm	Max Door Weight in KG						
2 Hinges	120	140	155	170	180	185	190
3 Symmetrical hinges	140	160	185	200	215	220	225
3 asymmetrical hinges	160	180	200	215	235	240	245
4 Hinges	170	190	215	230	250	255	260
2101 > door < 2700 mm	Max Door Weight in KG						
3 Symmetrical hinges	150	160	170	180	195	200	200
3 asymmetrical hinges	170	180	185	195	205	215	220
4 hinges	180	190	195	210	230	230	235
2701 > door < 3200 mm	Max Door Weight in KG						
3 Symmetrical hinges	145	155	160	165	175	195	200
4 hinges	175	185	190	200	210	220	235
Max door width in mm	1201-1300	1101-1200	1001-1100	901-1000	801-900	701-800	601-700



3D Concealed Hinge BAC1432 Functional Data

Fully Adjustable: Max 230kg (based on door 2040 x 920mm)



The BAC1432 3D adjustable concealed hinge is revolutionary in its design and is rated to carry a 260kg 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.

NEW 3D fully adjustable Concealed Hinge for heavy doors upto 260Kg. 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, the cup 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.

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 BAC1432, 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.

BAC1432 Quick Facts

Min. door thickness	38mm
Max. door weight	260kg (subject to door size & weight)
Narrow timber rebate	32mm (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

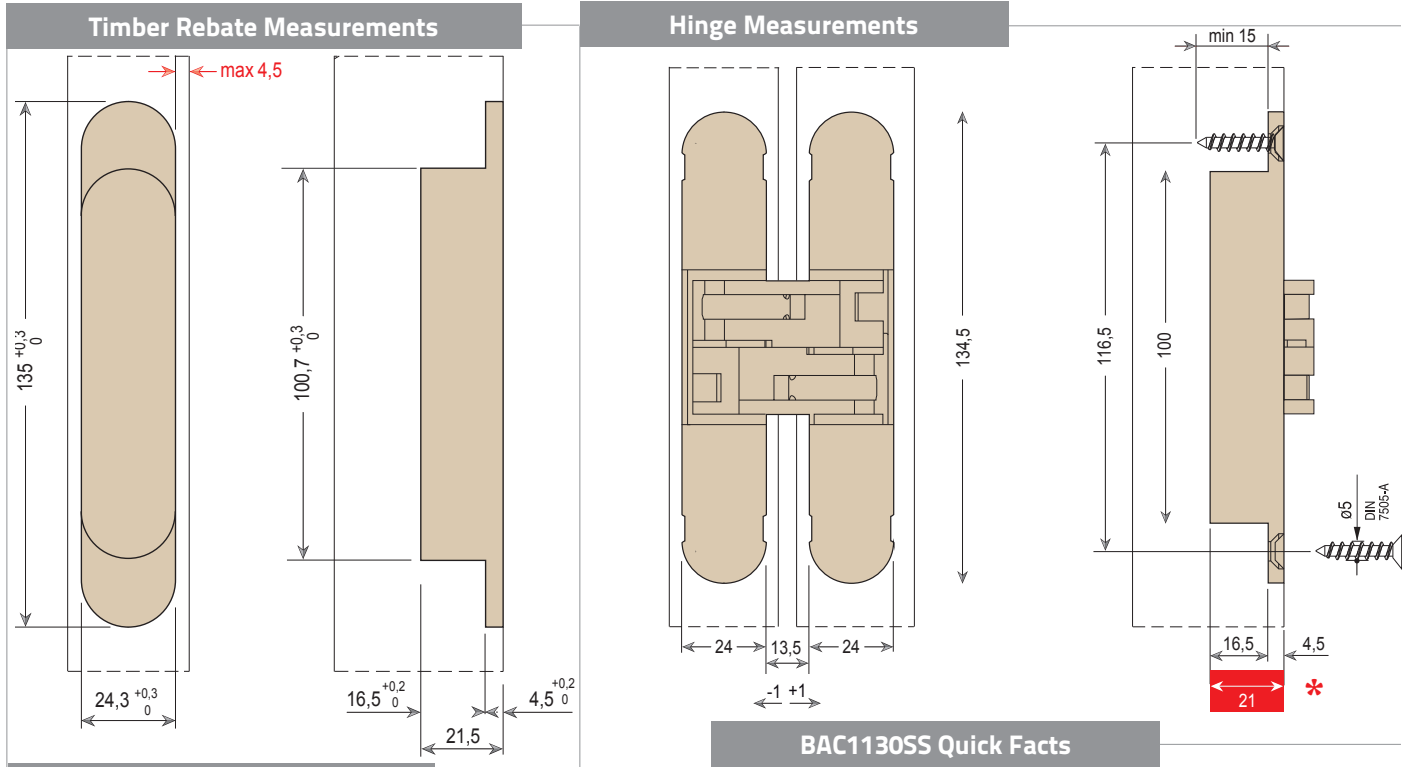
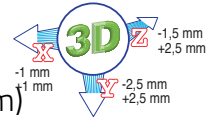


BAC1432 Order Codes

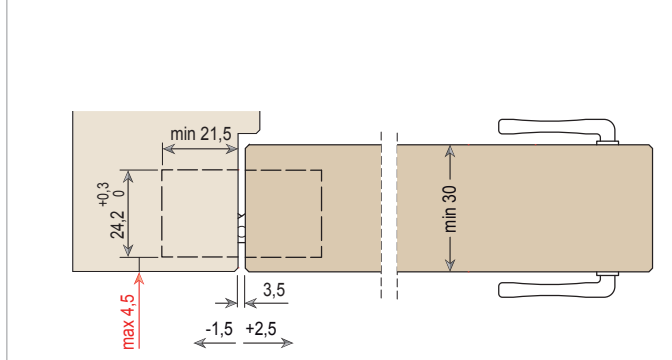
BAC1432SI	Silver
BAC1432PB	Polished Brass
BAC1432BL	Black
BAC1432WH	White
BAC1432BZ	Bronze
BAC1432SN	Satin Nickel
BACJIG-BACT1432	Jig & hinge template (rent or buy) pg.45-47

3D Concealed Hinge BAC1130SS Technical Data

Fully Adjustable Stainless Steel: Max 75kg (based on door 2040 x 900mm)



BAC1130SS Diagrams



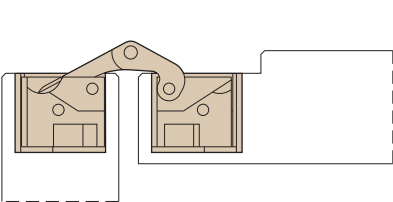
BAC1130SS Quick Facts

- 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 (under cover) locations
 - Suitable for residential, commercial & industrial locations
- Note: if being used with a door closer see page 40.**

Hinge Position

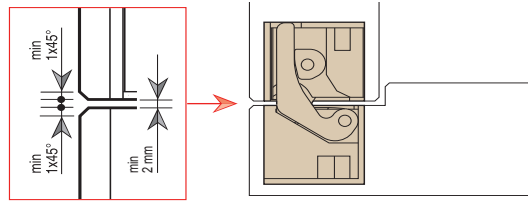
- 2 hinges per door
- 3 symmetrical per door
- 3 asymmetrical per door
- 4 hinges per door

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



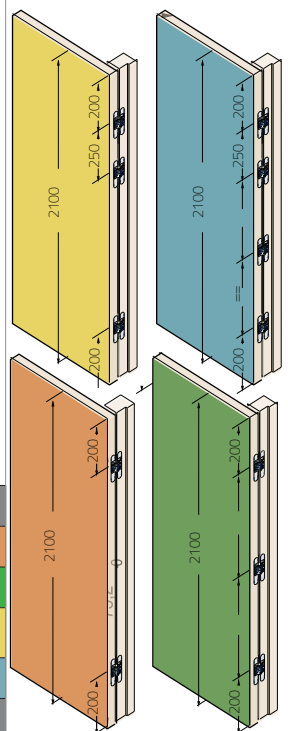
Full 180° Opening

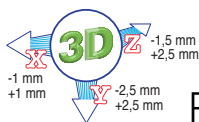
Min 2mm gap between door and jamb



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

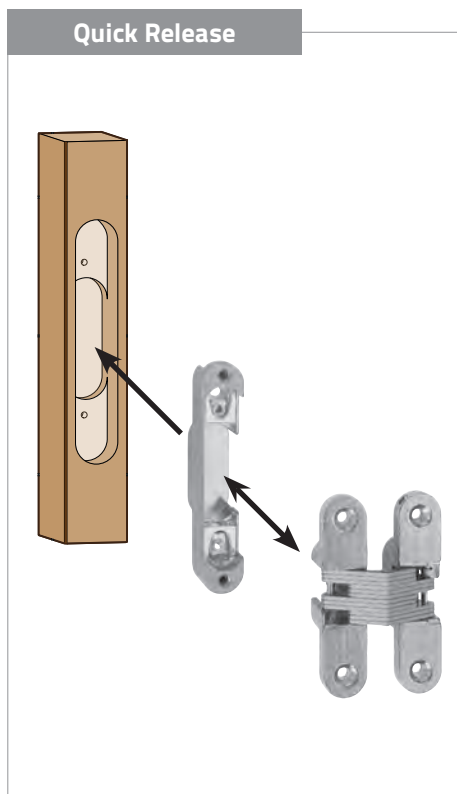
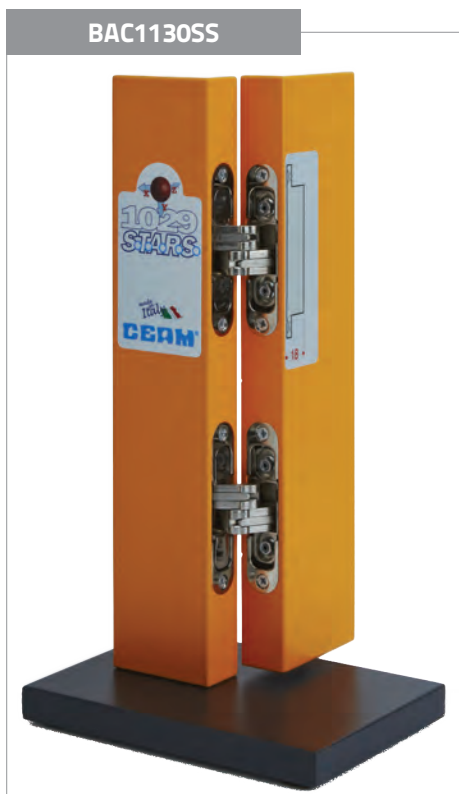
0 > door < 2100 mm	Max Door Weight in KG						
2 Hinges	n.a.	30	39	43	47	52	56
3 Symmetrical hinges	n.a.	43	58	65	68	73	75
3 asymmetrical hinges	n.a.	47	63	68	71	76	80
4 Hinges	40	50	68	72	75	80	85
Max door width in mm	1201-1300	1101-1200	1001-1100	901-1000	801-900	701-800	601-700





3D Concealed Hinge BAC1130SS Functional Data

Fully Adjustable Stainless Steel: Max 75kg (based on door 2040 x 900mm)



The BAC1130SS is made from AISI 304L Stainless Steel making ideally suited for internal and external environments, the BAC1130SS 3D adjustable concealed hinge is revolutionary in its design & is rated to carry upto 85kg 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, the cup 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. 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 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	75kg (subject to door size & weight)
Narrow timber rebate	21mm
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



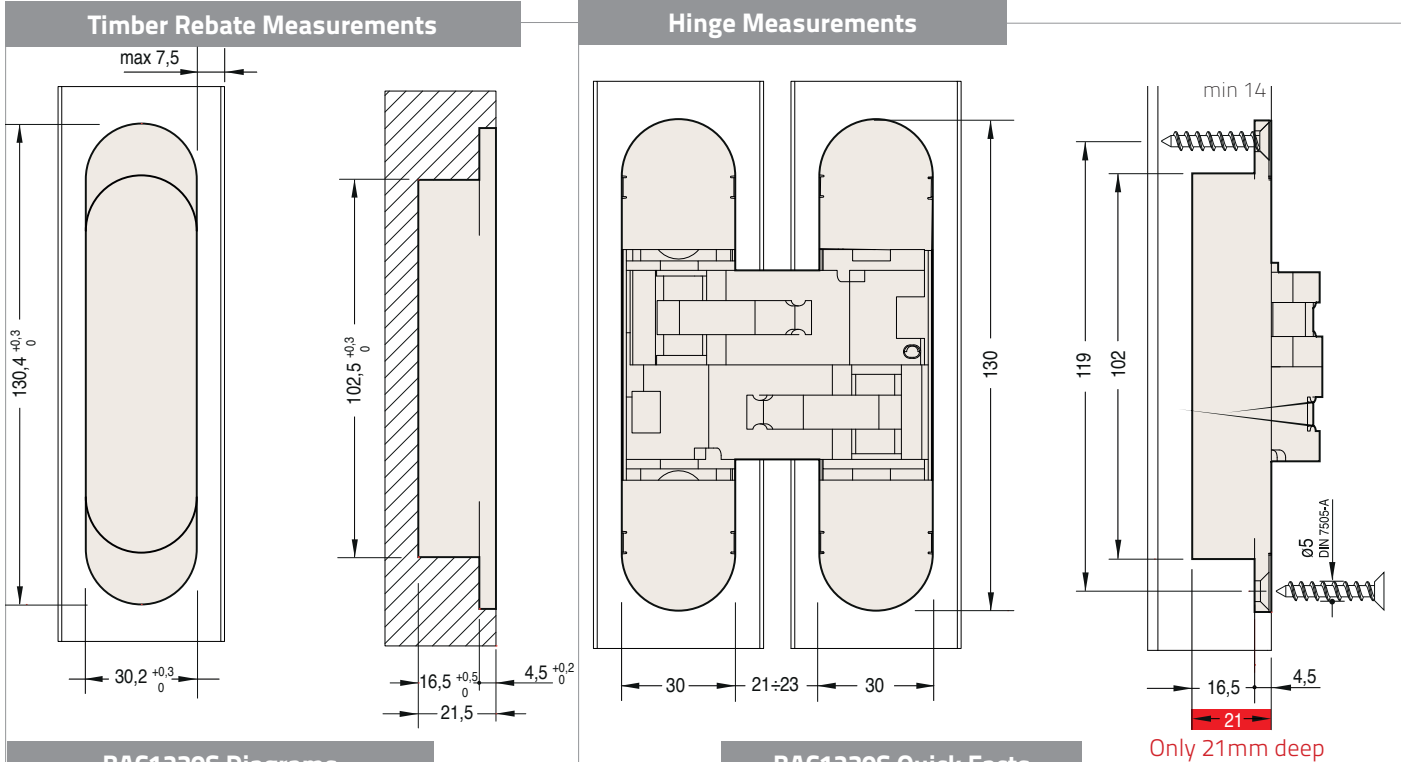
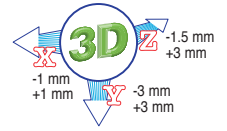
AISI 304L Stainless Steel
Ideal for internal & external use

BAC1130SS Order Codes

BAC1130SS	Stainless Steel (AISI 304L Grade)
BACJIG-BACT1130	Jig & hinge template (rent or buy) pg.45-47

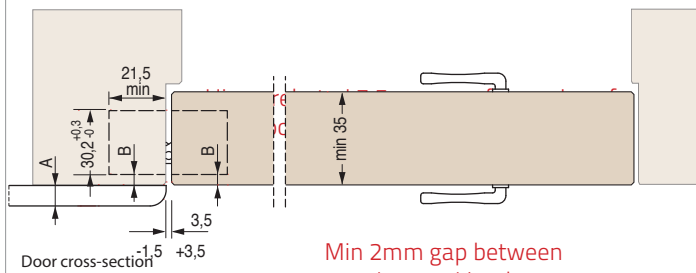
3D Concealed Hinge BAC1230S Technical Data

Fully Adjustable: Max 85kg (based on door 2040 x 900mm)



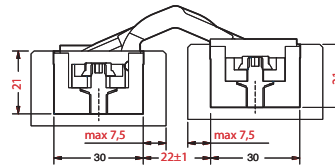
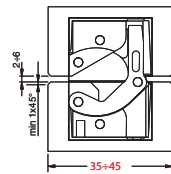
Only 21mm deep

BAC1230S Diagrams



Min 2mm gap between door and jamb

A	B
15,5	2,5
14,5	3
13,5	3,5
12	4
10	4,5
8	5



Full 180° Opening

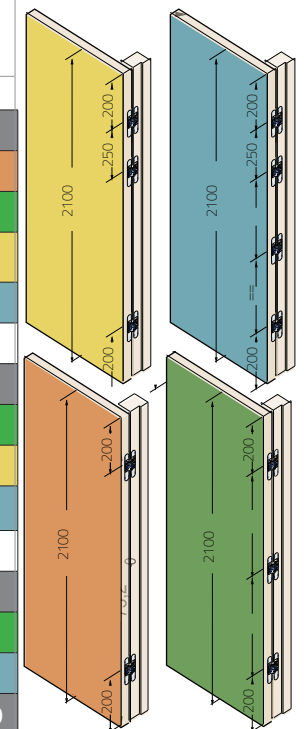
BAC1230S Quick Facts

- 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

Note: if being used with a door closer see page 40.

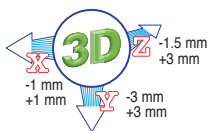
Hinge Position

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



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

0 > door < 2100 mm	Max Door Weight in KG						
2 Hinges	n.a.	30	40	50	53	60	63
3 Symmetrical hinges	n.a.	44	60	70	73	80	85
3 asymmetrical hinges	n.a.	49	62	74	76	83	90
4 Hinges	40	54	68	80	85	90	95
2101 > door < 2700 mm	Max Door Weight in KG						
3 Symmetrical hinges	39	45	50	60	64	67	70
3 asymmetrical hinges	43	52	58	62	67	71	75
4 hinges	46	55	60	65	72	78	83
2701 > door < 3200 mm	Max Door Weight in KG						
3 Symmetrical hinges	n.a.	41	44	50	59	65	70
4 hinges	40	44	48	53	64	70	78
Max door width in mm	1201-1300	1101-1200	1001-1100	901-1000	801-900	701-800	601-700



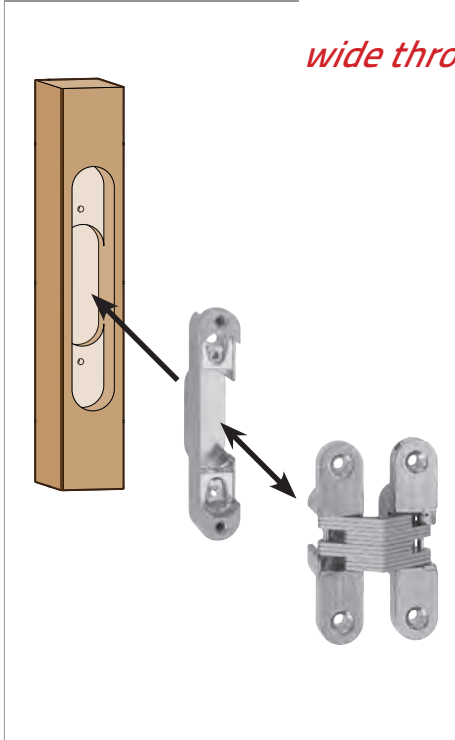
3D Concealed Hinge BAC1230S Functional Data

Fully Adjustable: Max 85kg (based on door 2040 x 900mm)

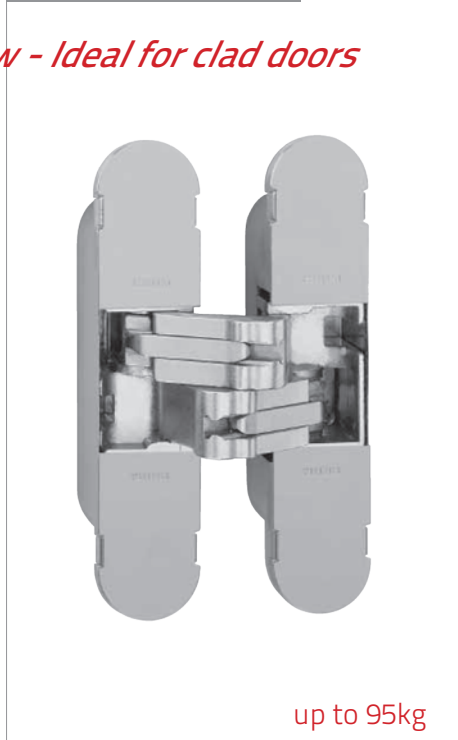
BAC1230



Quick Release



BAC1230



The BAC1230S 3D adjustable concealed hinge is revolutionary in its design and is rated to carry a 95kg 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, the cup 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

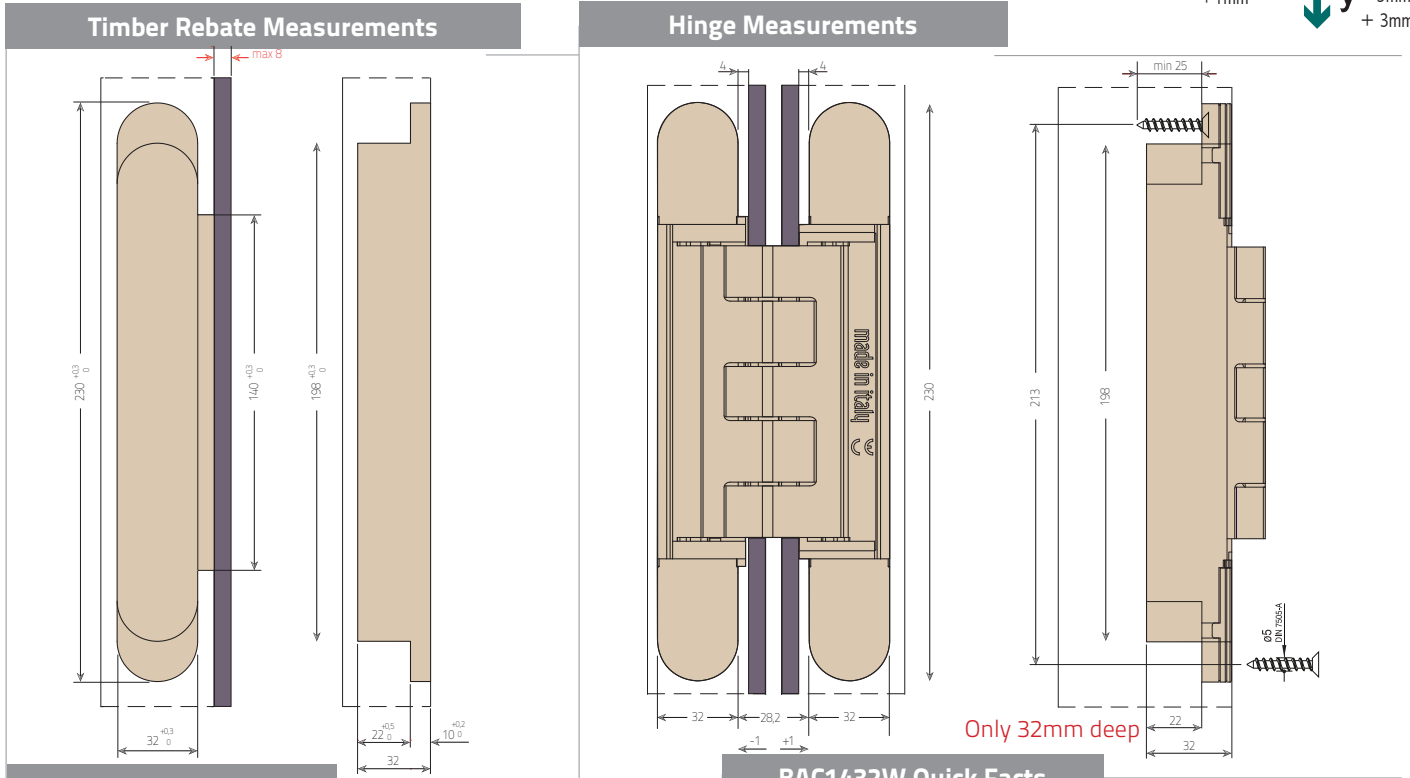
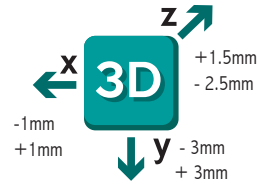
Min. door thickness	35mm
Max. door weight	95kg (subject to door size & weight)
Narrow timber rebate	21mm (ideal for thin jambs)
Gap when closed	2mm
Working aperture	180°
Manufacturing location	100% Made in Italy
Reliability	Certified to over 200,000 cycles
Adjustable	3D adjustment on 3 (X,Y,Z) axes
Quick Release	CEAM quick release system, never need to touch the door or jamb again



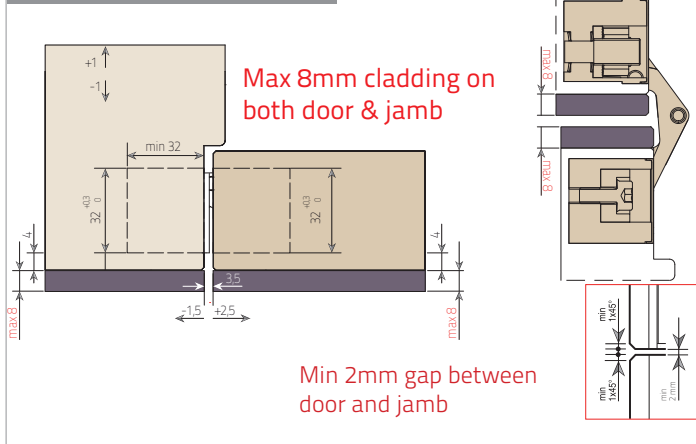
BAC1230S Order Codes	
BAC1230SSI	Silver
BAC1230SNI	Polished Nickel
BAC1230SBZ	Bronze
BAC1230SBL	Black
BACJIG-BACT1230S	Jig & hinge template (rent or buy) pg.45-47

3D Concealed Hinge BAC1432W Technical Data

Fully Adjustable: Max 230kg (based on door 2040 x 920mm)



BAC1432W Diagrams



BAC1432W 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

Note: if being used with a door closer see page 40.

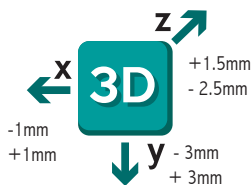
Hinge Position

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



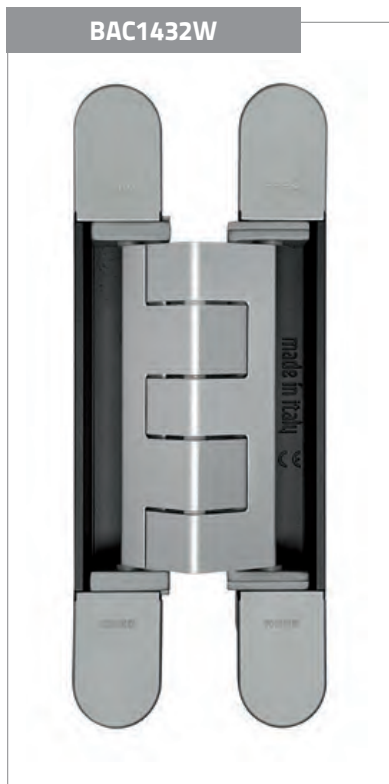
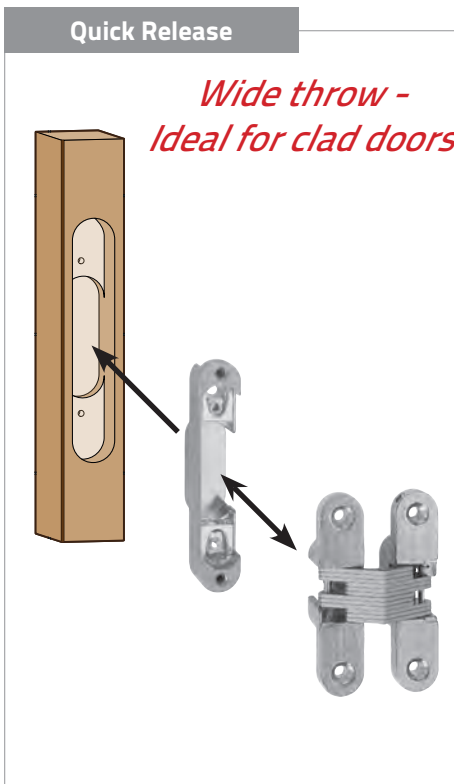
No. of Hinges based on Door Height, Width & Weight

0 > door < 2100 mm	Max Door Weight in KG						
2 Hinges	120	140	145	150	160	165	170
3 Symmetrical hinges	140	160	165	180	195	200	205
3 asymmetrical hinges	160	180	180	195	215	220	225
4 Hinges	170	190	195	210	230	235	240
2101 > door < 2700 mm	Max Door Weight in KG						
3 Symmetrical hinges	150	160	165	170	175	180	190
3 asymmetrical hinges	170	185	185	175	185	195	210
4 hinges	180	190	190	190	200	210	220
2701 > door < 3200 mm	Max Door Weight in KG						
3 Symmetrical hinges	145	145	145	150	160	170	180
4 hinges	175	175	175	180	190	200	215
Max door width in mm	1201-1300	1101-1200	1001-1100	901-1000	801-900	701-800	601-700



3D Concealed Hinge BAC1432W Functional Data

Fully Adjustable: Max 230kg (based on door 2040 x 920mm)



The BAC1432W 3D adjustable concealed hinge is revolutionary in its design and is rated to carry a 175kg 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.

NEW 3D fully adjustable Concealed Hinge for heavy doors upto 240Kg. 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, the cup 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.

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 BAC1432W, 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.

BAC1432W Quick Facts

Max Cladding:	8mm on door & Jam
Min. door thickness	38mm
Max. door weight	240kg (subject to door size & weight)
Narrow timber rebate	29mm (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



BAC1432W Order Codes

BAC1432WSI	Silver
BAC1432WPB	Polished Brass
BAC1432WBL	Black
BAC1432WWH	White
BAC1432WBZ	Bronze
BAC1432WSNI	Satin Nickel
BACJIG-BACT1432W	Jig & hinge template (rent or buy) pg.45-47

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 850 mm and 2100 x 1000mm in size. For an ideal performance, it is advisable to lubricate the hinge 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 / 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 it 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 several: 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 reasonable to expect 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 1000 mm it is preferable to place a hinge in support of the upper hinge (yellow and blue drawing), 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 better suited model 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 +3.5 mm (see individual specifications)

Vertical from -3.0 mm to +3.0 mm (see individual specifications)

Depth +/- 1.0 mm

HORIZONTAL ADJUSTMENT

Slightly loosen the locking nuts. With the aid of the allen key, move the internal cage to find the preferred position. Tighten all lock nuts.

VERTICAL ADJUSTMENT

Slightly loosen the locking nuts. By acting on the door leaf, raise it to the required level. Tighten all lock nuts.

DEPTH ADJUSTMENT

Slightly loosen the locking nuts. Act with hexagonal allen key to make the adjustment. Tighten all lock nuts.

All adjustments are carried out with 8mm hex wrench and allen key 2.5 mm (for art. BACW1131s to be made with a hexagonal 10mm & 3mm allen key).

Installation, Jig, Templates & Routers

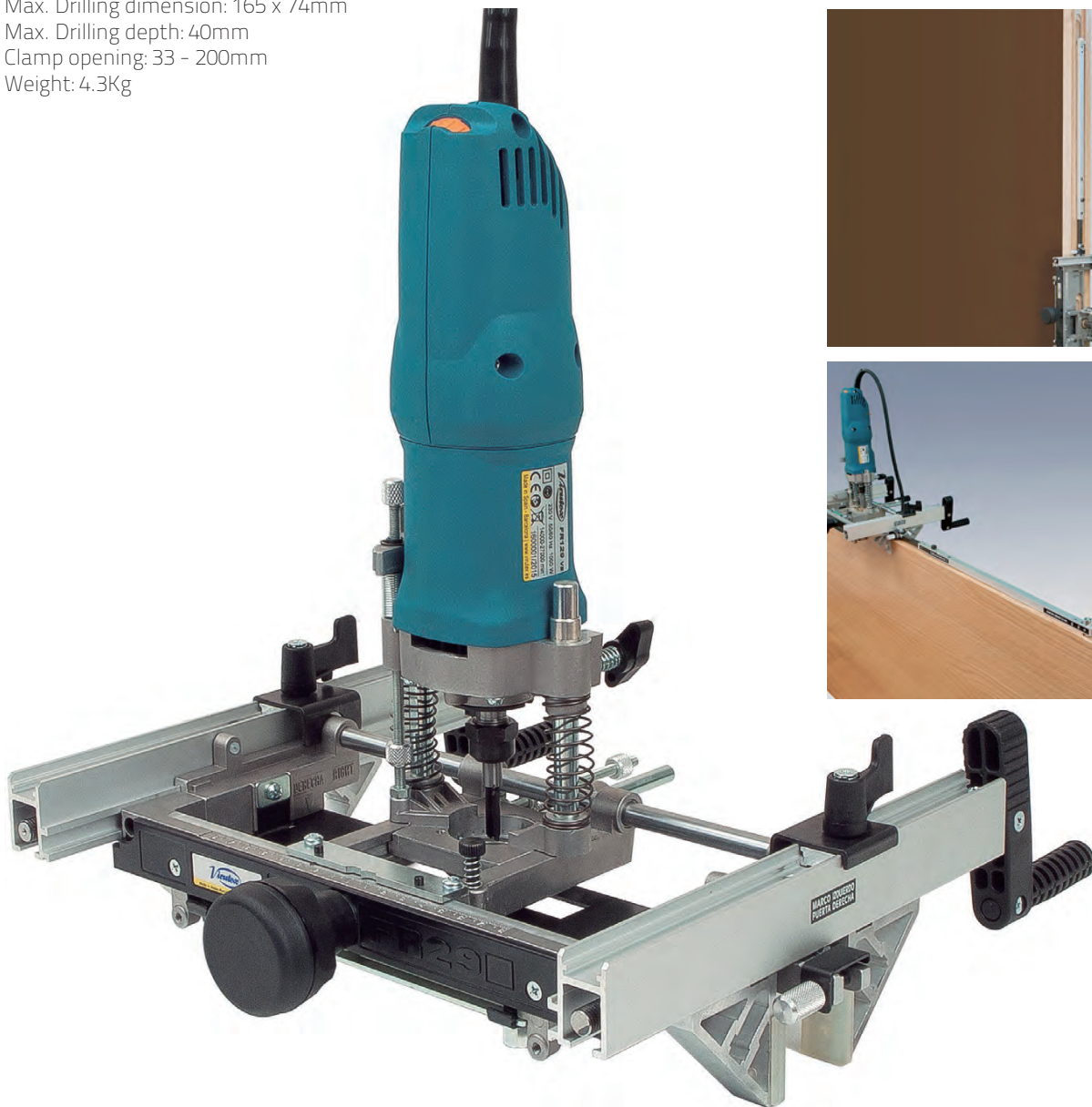
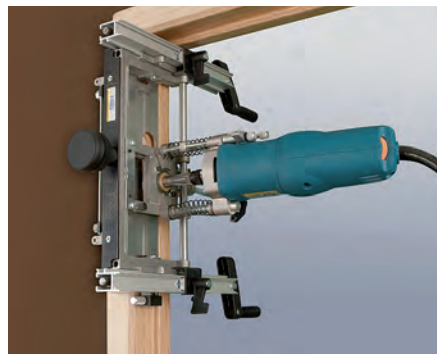
Jig Type 1: Jig, Templates & Router - Purchase.

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

Main Features:

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

- Designed for on-site installation.
- 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



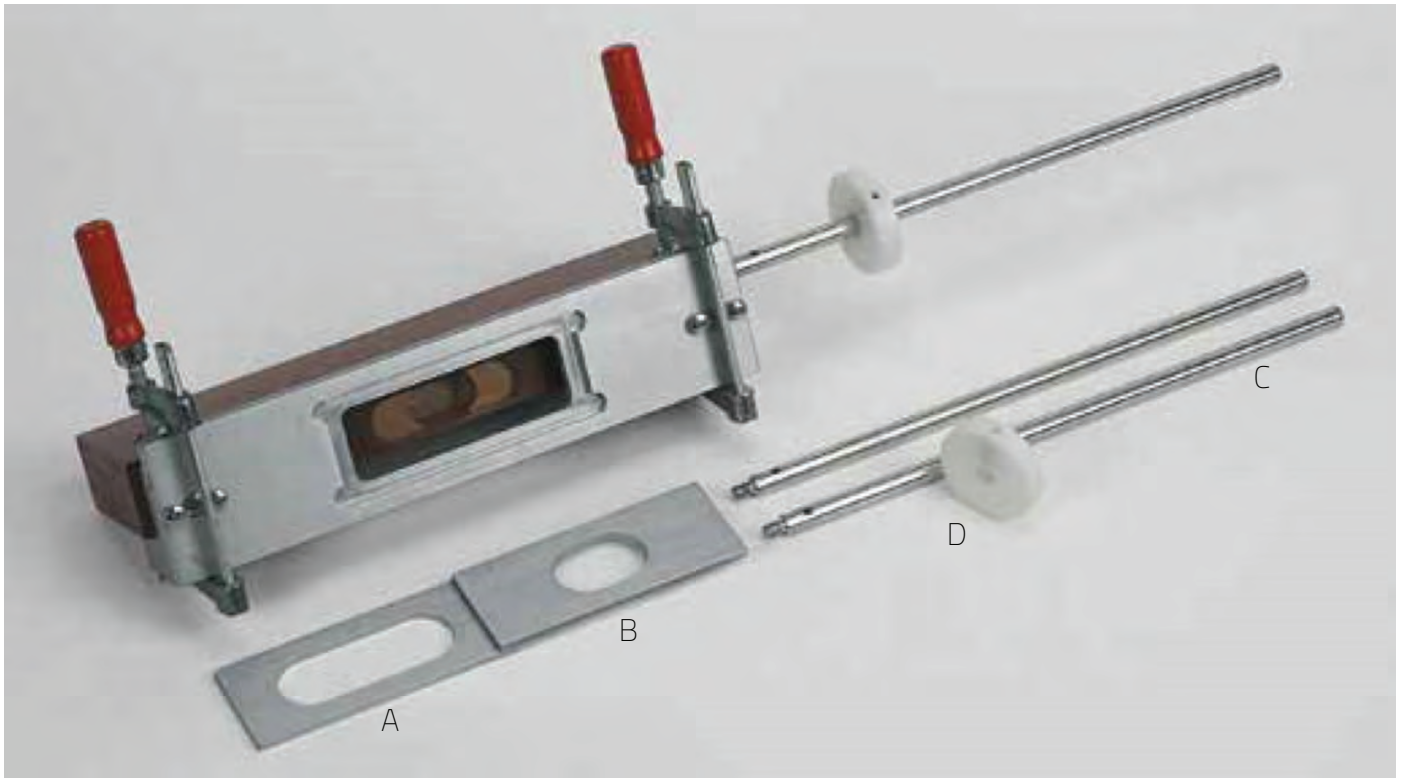
JIG Type 1.	
BACJIGX1B	Purchase of complete kit including all hinge templates
Kit Contents	Router, guide, Jig and all hinge templates

A complete video of the installation process using both jig types is available for viewing 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 5 mm thick aluminium plates.



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

Note; 16 mm diam. router cutter and the 27 mm external router template guide are not supplied with the templates.

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.

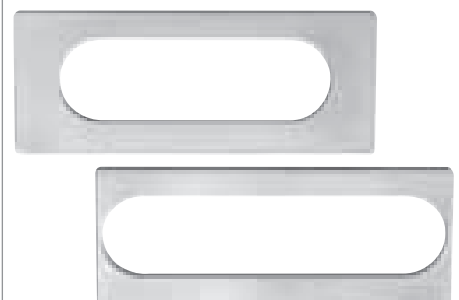
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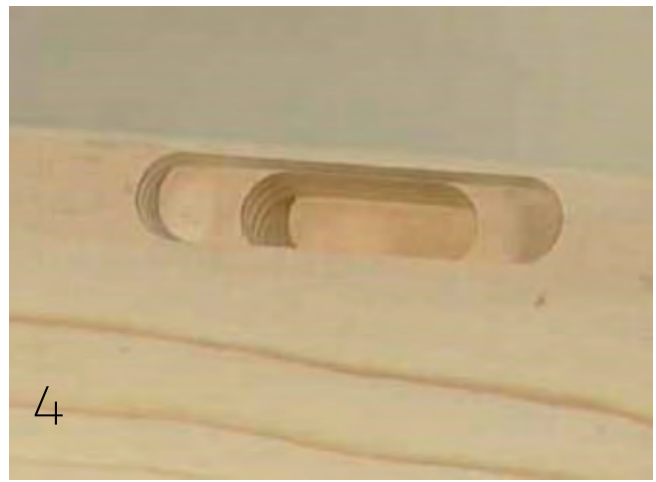
Blocking Clamps

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

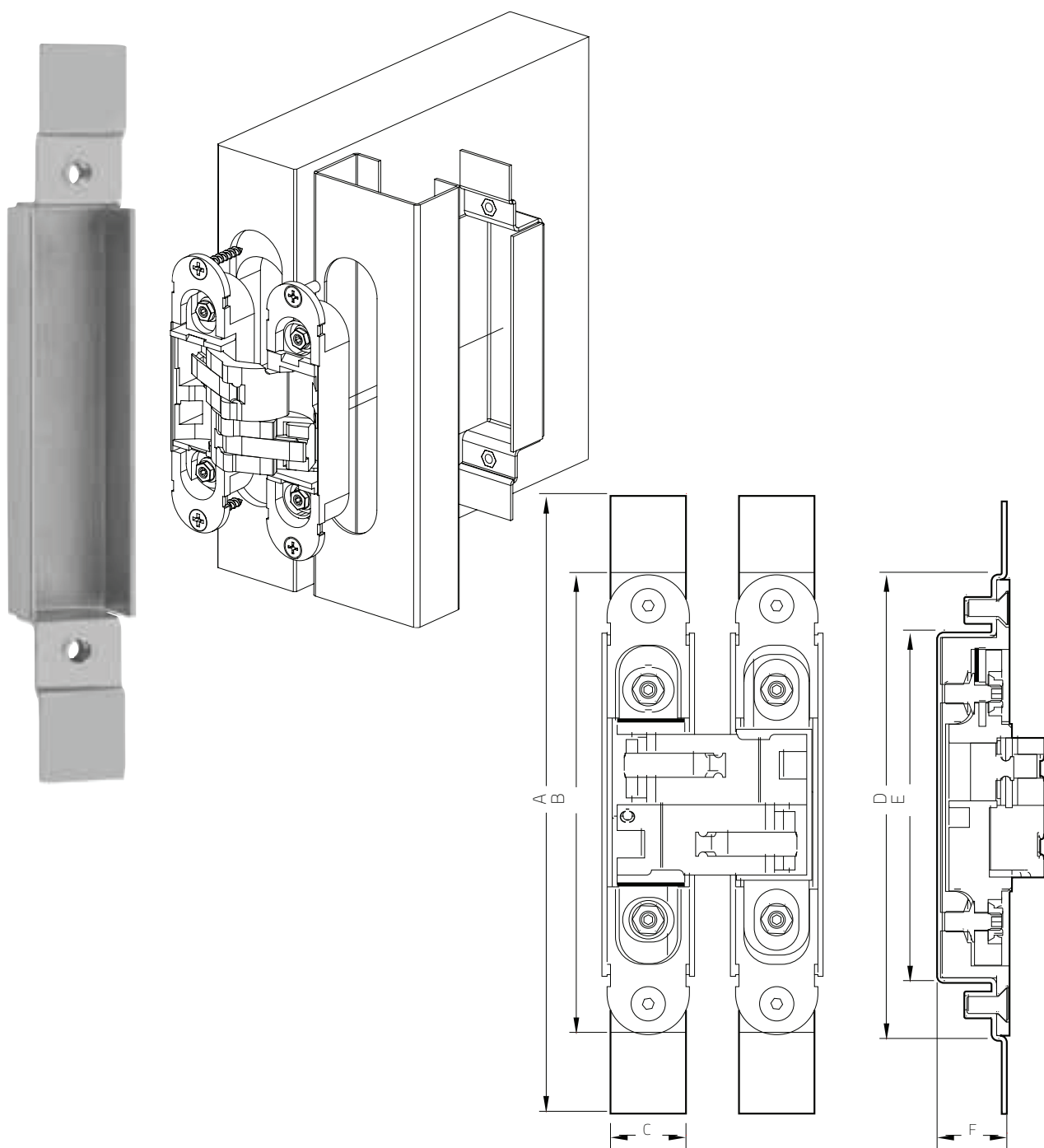
JIG Type 2.

BACJIGB	Purchase jig only (all models except BAC1131S, BAC1230 & BAC1431)
BACJIGB1131SB	Purchase jig only (only for BAC1131S, BAC1230 & BAC1431)
BACJIGB1431/2	Rent P/W jig only (only for BAC1431, BAC1432 & BAC1432W)
BACJIGR	Rent P/W jig only (all models except BAC1131S & BAC1230)
BACJIGR1131SR	Rent P/W jig only (only for BAC1131S & BAC1230)
BACJIGR1431/2	Rent P/W jig only (only for BAC1431, BAC1432 & BAC1432W)
BACTXXXXB	Purchase template to suit model of hinge
BACTXXXXR	Rent P/W template to suit model of hinge
Kit Contents	Jig only





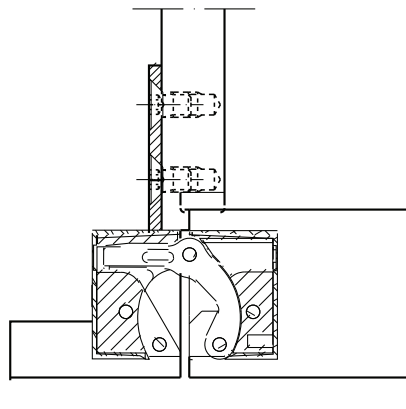
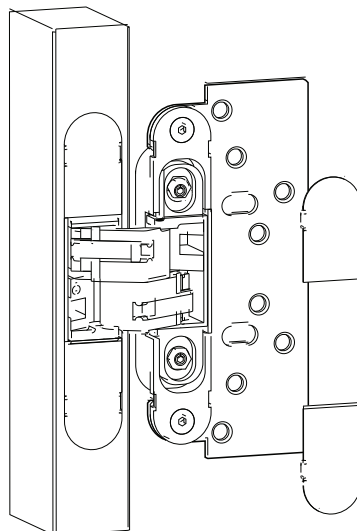
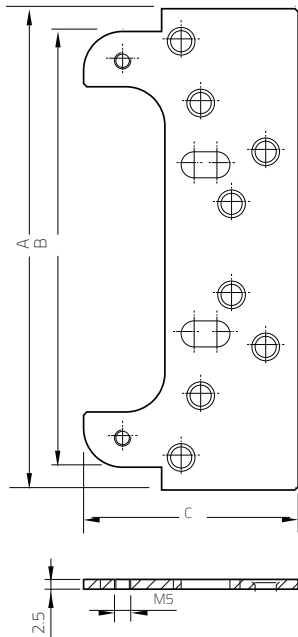
Fixing box for metal jambs & doors



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	100m	21mm

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



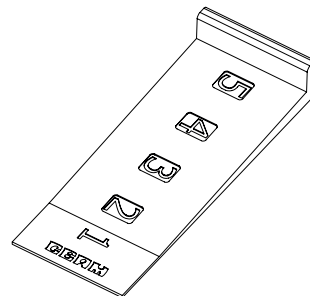
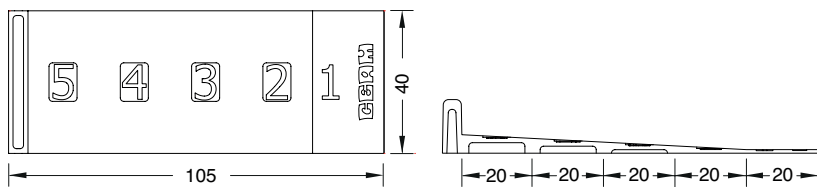
Offset Fixing Plate Dimensions

Code.	A	B	C	D
BAC1130SXFP	148mm	134mm	134mm	2.5mm
BAC1230SXFP	136mm	136mm	70mm	3mm
BAC1131SXFP	180mm	166mm	74mm	3mm
BAC1430SXFP	134mm	120mm	66mm	3mm

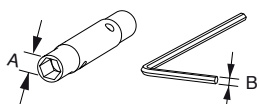
The BAC1XFP offset fixing plate, when used in conjunction with the concealed hinge, allows a door to be hung offset to a wall or timber / metal post or door jamb where required.

Adjustment wedge

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



Adjustment keys

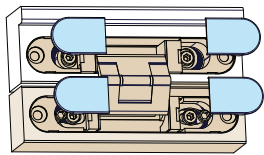


	A	B	Used for Models
BACKEY1	8	2,5	929, 1129, 1080, 1030, 1230S, 1430
BACKEY2	10	3	1131S, 1431

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

3D Adjustability Diagram

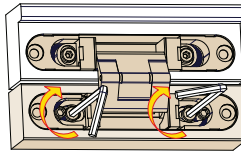
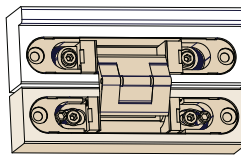
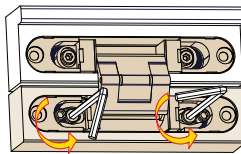
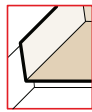
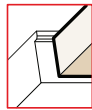
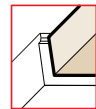
Adjustment guidelines



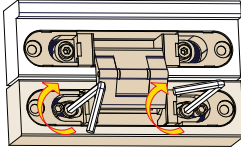
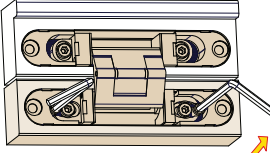
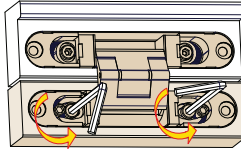
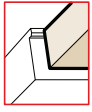
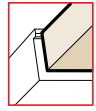
BAC1430
BAC929

Remove the covers

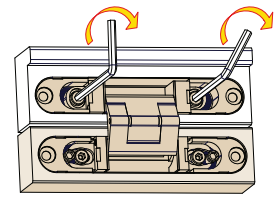
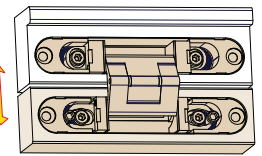
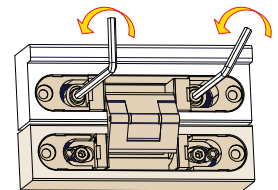
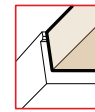
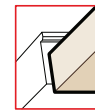
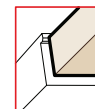
Invisible adjustable hinges for doors



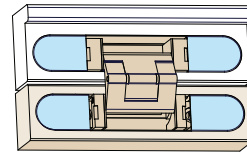
Vertical adjustment



Depth adjustment



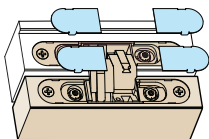
Horizontal adjustment



Replace the covers

3D Adjustability Diagram

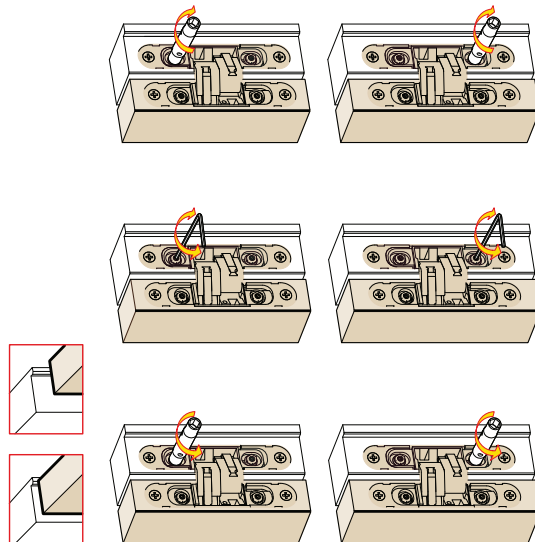
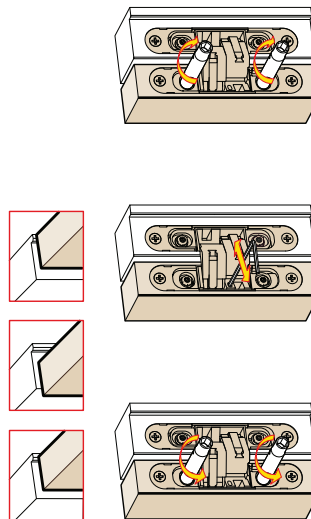
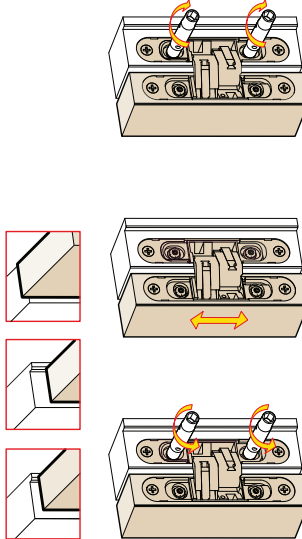
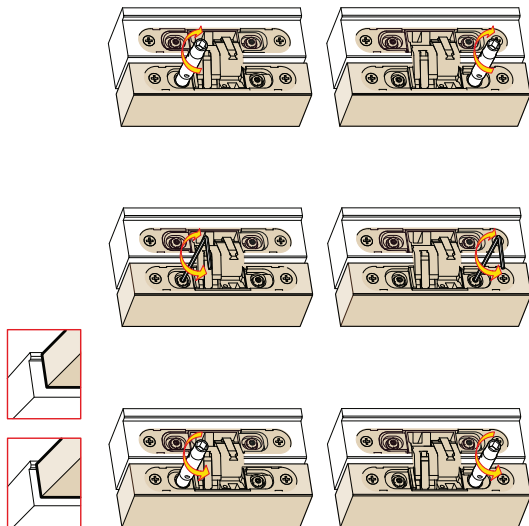
Adjustment guidelines



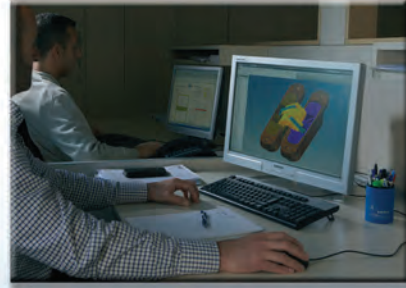
BAC1131S
BAC1230S
BAC1129
BAC1030 inox

Remove the covers

Invisible adjustable hinges for doors



Replace the covers



Bellevue Architectural
954 Glen Huntly Road
Caulfield South Vic 3162

PH: (03) 9571 5666

Info@bellevuearch.com.au
www.bellevuearch.com.au

*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 6.2/23