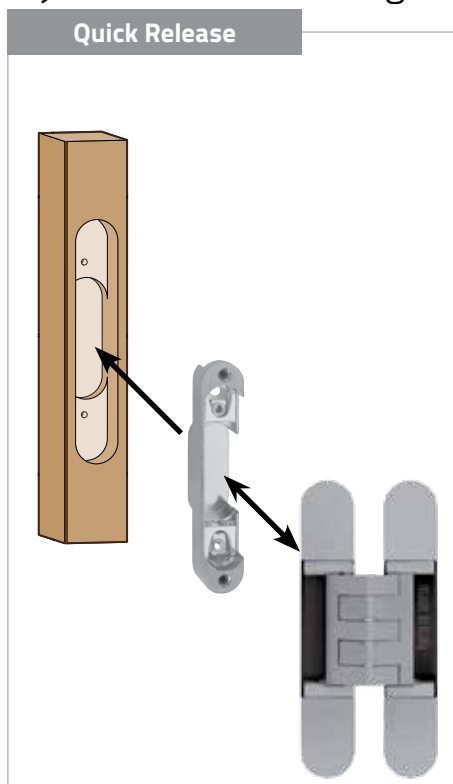


3D Concealed Hinge BAC1431 Functional Data

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.



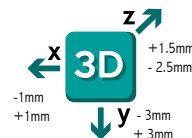
BAC1431 Quick Facts

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

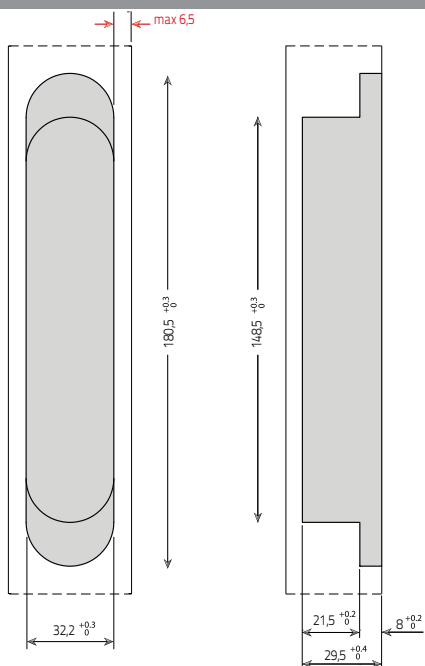
BAC1431SI	Silver
BAC1431PB	Polished Brass
BAC1431BL	Black
BAC1431WH	White
BAC1431BZ	Bronze
BAC1431SN	Satin Nickel
BAC1431CR	Polished Chrome
BACJIGX3-BACT1431	Jig & hinge template (rent or buy) pg. 59 - 61



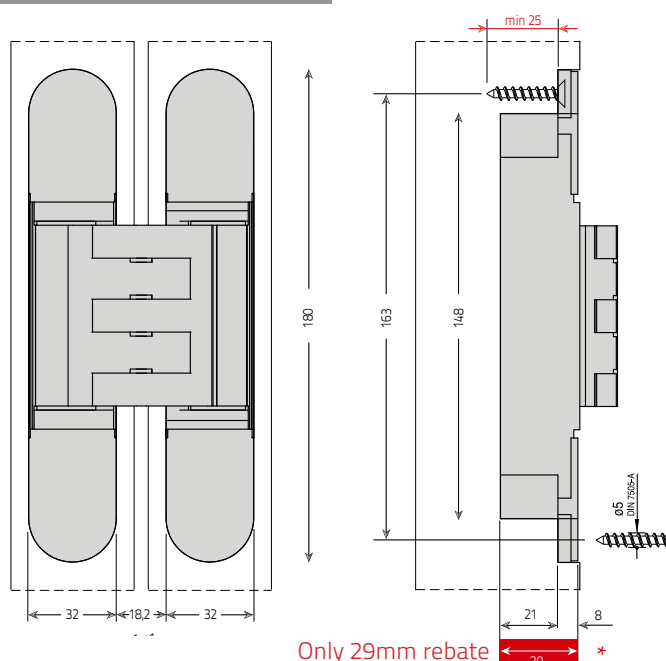
3D Concealed Hinge BAC1431 Technical Data

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

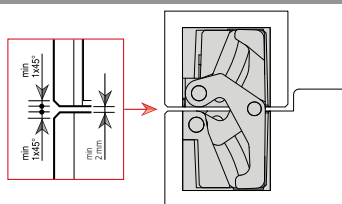
Timber Rebate Measurements



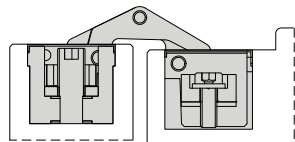
Hinge Measurements



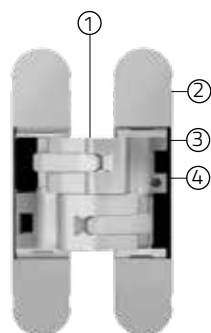
BAC1431 Diagrams



Min 2mm gap between door and jamb



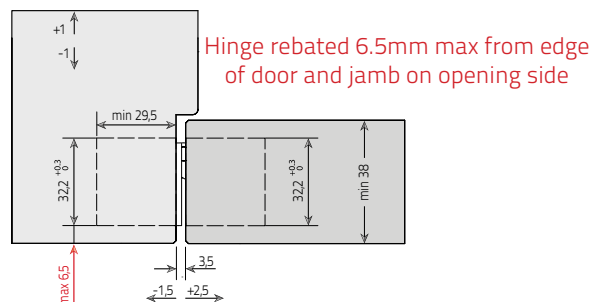
Full 180° Opening



- 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

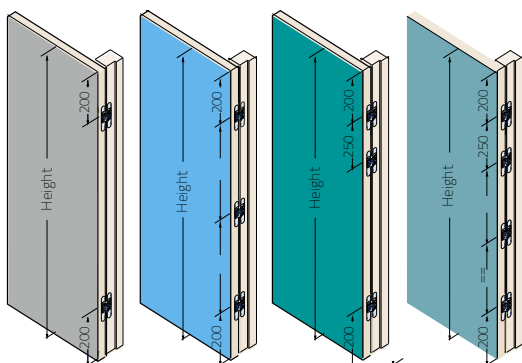
2 x BAC1431 for doors 1900 - 2200mm high

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

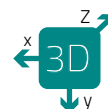
If used with a door closer, double the door weight.
A higher hinge class may be required - See page 58



- 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

