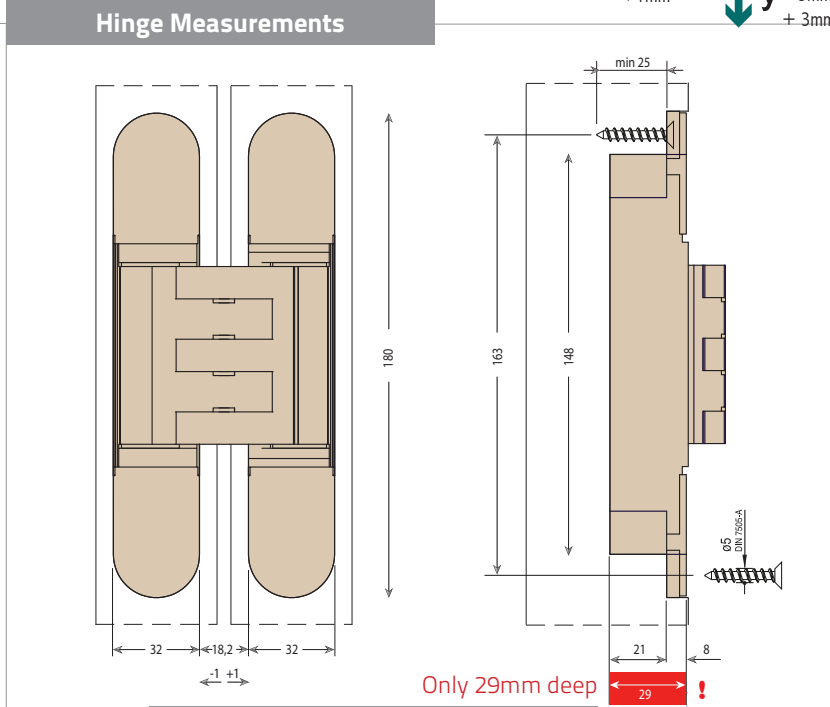
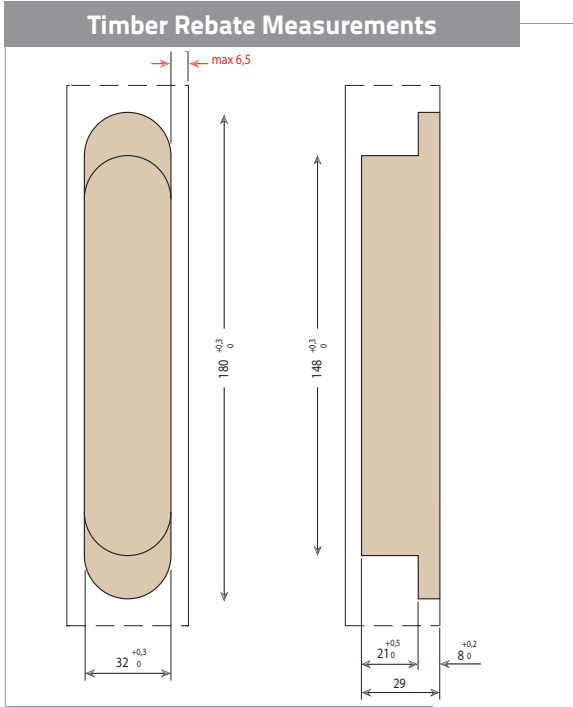
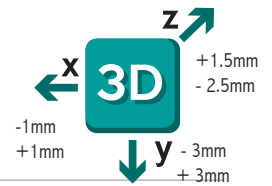
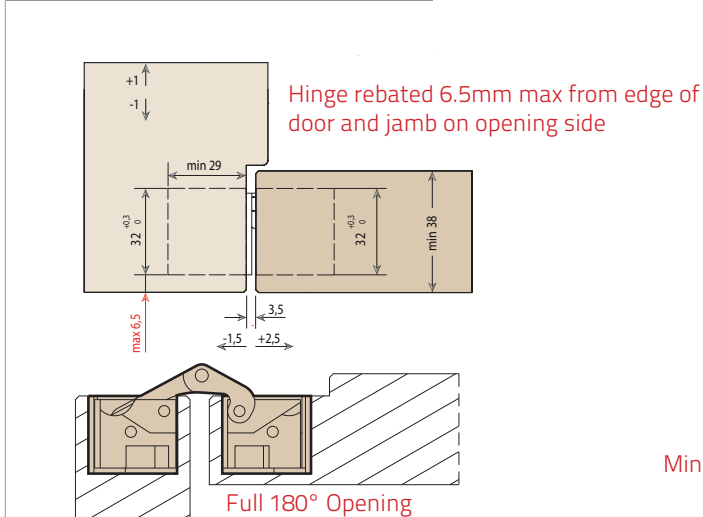


3D Concealed Hinge BAC1431 Technical Data

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



BAC1431 Diagrams

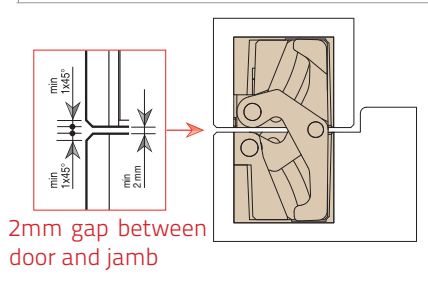


BAC1431 Quick Facts

- 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



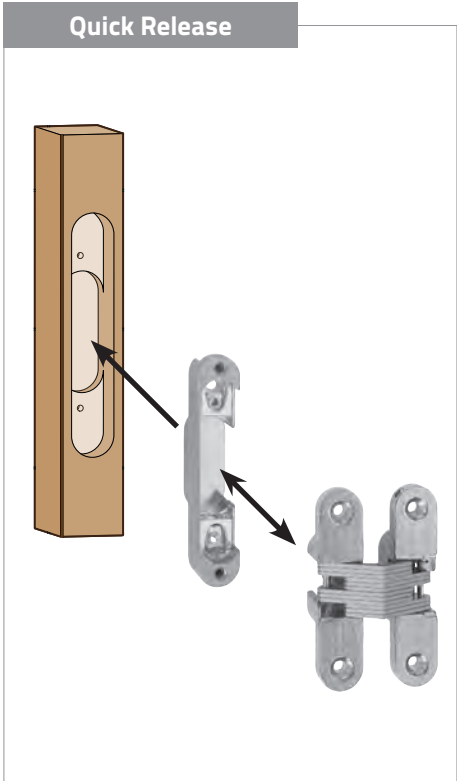
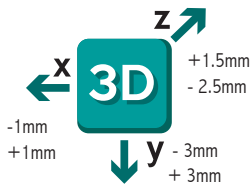
No. of Hinges based on Door Height, Width & Weight

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.

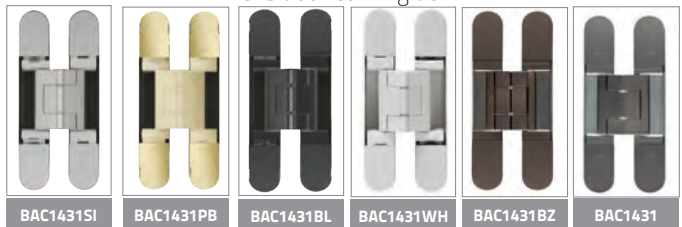
Once movement occurs, a door may not close properly or rub the paintwork. To fix, the door needs to come down and then the door and/or jamb needs to be planed and repainted; a costly and time consuming effort.

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