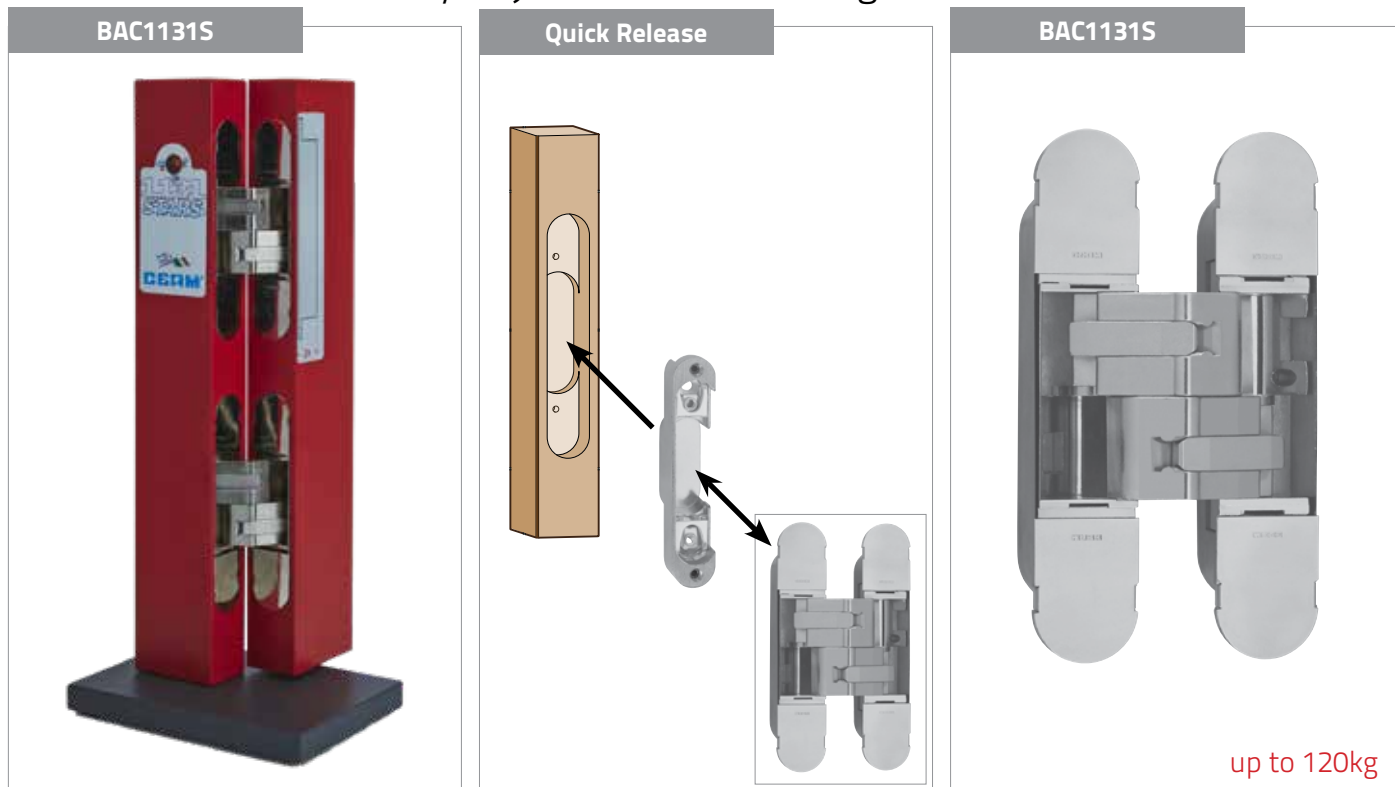


# 3D Concealed Hinge BAC1131S Functional Data

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



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

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

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

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

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

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

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

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

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

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



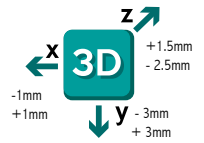
### BAC1131S Quick Facts

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



### BAC1131S Order Codes

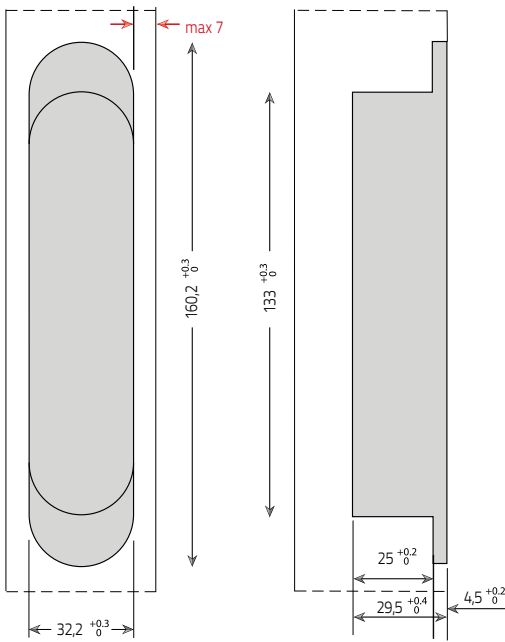
|                   |                                               |
|-------------------|-----------------------------------------------|
| BAC1131SSI        | Silver                                        |
| BAC1131SNI        | Polished Nickel                               |
| BAC1131SPB        |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



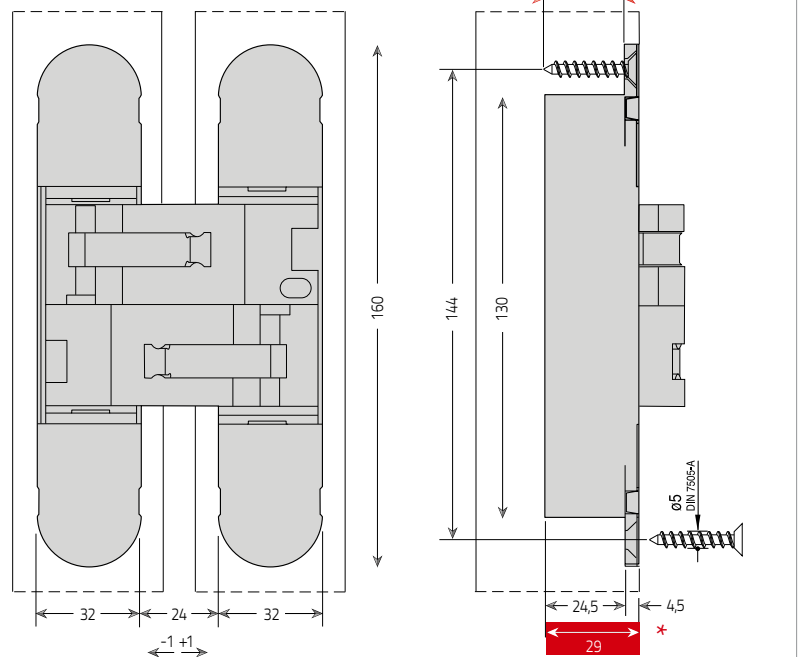
# 3D Concealed Hinge BAC1131S Technical Data

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

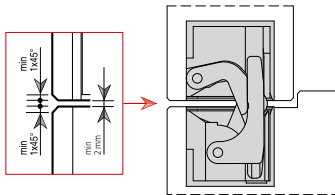
### Timber Rebate Measurements



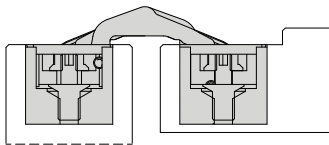
### Hinge Measurements



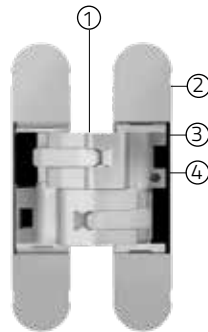
### BAC1131S Diagrams



Min 2mm gap between door and jamb



Full 180° Opening



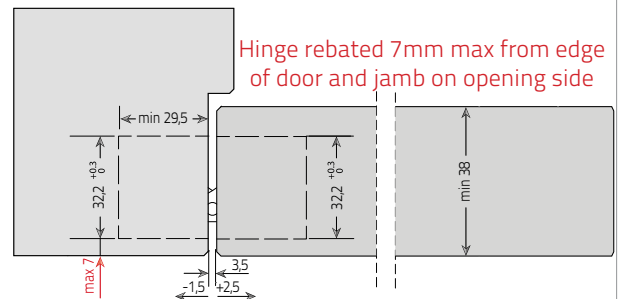
- 1 Mechanism made from Zinc-alloy
- 2 Galvanized steel covers
- 3 Zinc-alloy internal body
- 4 Zinc-alloy external body

### BAC1131S Quick Facts

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

Only 29mm rebate

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



### 4 x BAC1131 for doors 2700 - 3000mm high

|      |     |     |     |     |     |     |     |
|------|-----|-----|-----|-----|-----|-----|-----|
| 3000 | 120 | 120 | 120 | 120 | 120 | 120 | 120 |
| 2900 | 120 | 120 | 120 | 120 | 120 | 120 | 120 |
| 2800 | 120 | 120 | 120 | 120 | 120 | 120 | 112 |
| 2700 | 120 | 120 | 120 | 120 | 120 | 120 | 105 |

### 3 x BAC1131 for doors 2000 - 2600mm high

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

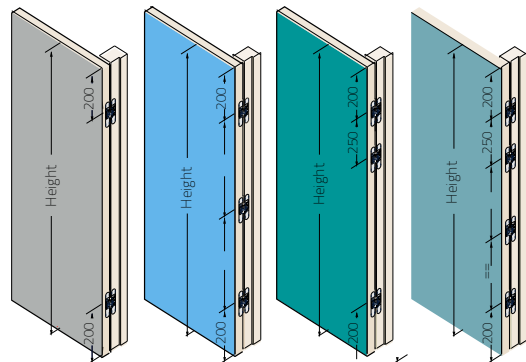
### 2 x BAC1131 for doors 1900 - 2200mm high

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

Height x Width in mm | Weight in Kg

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

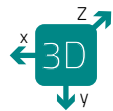
If used with a door closer, double the door weight.  
A higher hinge class may be required - See page 58



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

Use asymmetric for heavy usage or commercial use.

### Adjustment



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

