

# 3D Concealed Hinge BAC1431SC Functional Data

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



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

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

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

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

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

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

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

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

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

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

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

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

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

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



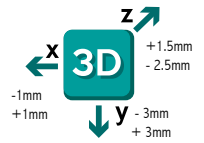
## BAC1431SC Quick Facts

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



## BAC1431SC Order Codes

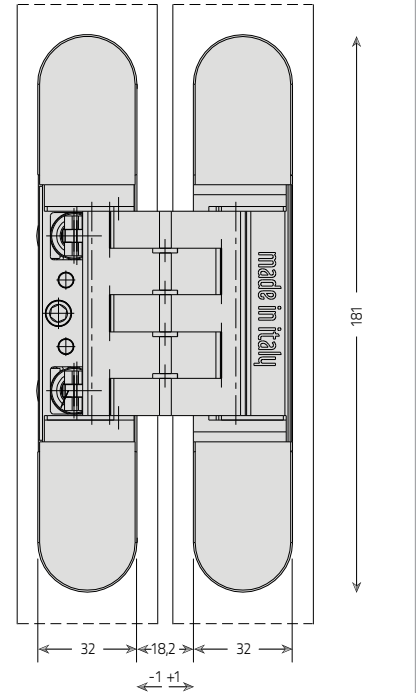
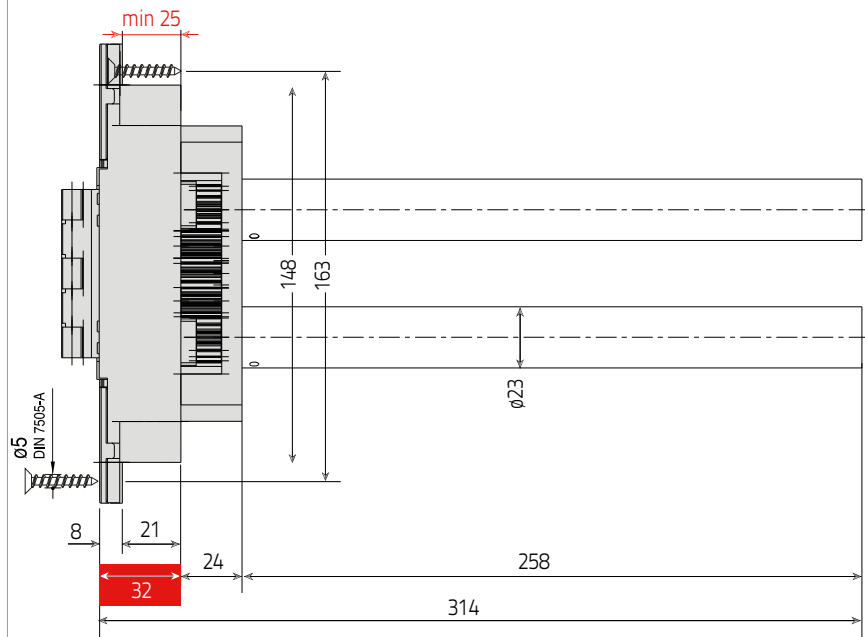
|                   |                                                |
|-------------------|------------------------------------------------|
| BAC1431SCSI       | Silver                                         |
| BAC1431SCPB       | Polished Brass (by request)                    |
| BAC1431SCBL   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



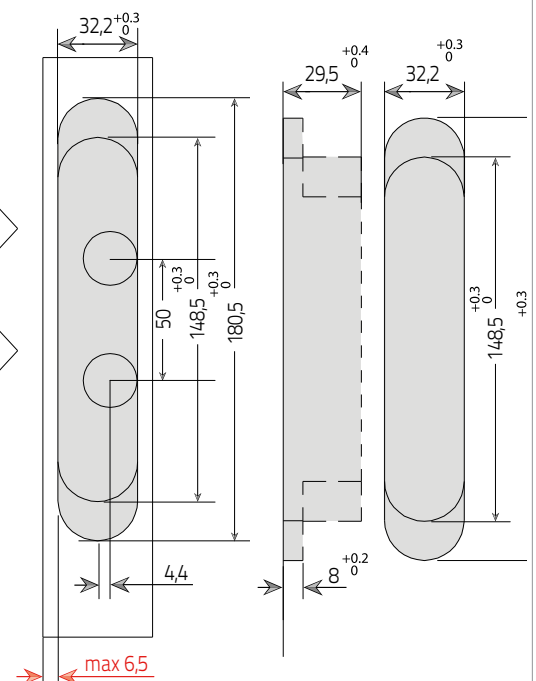
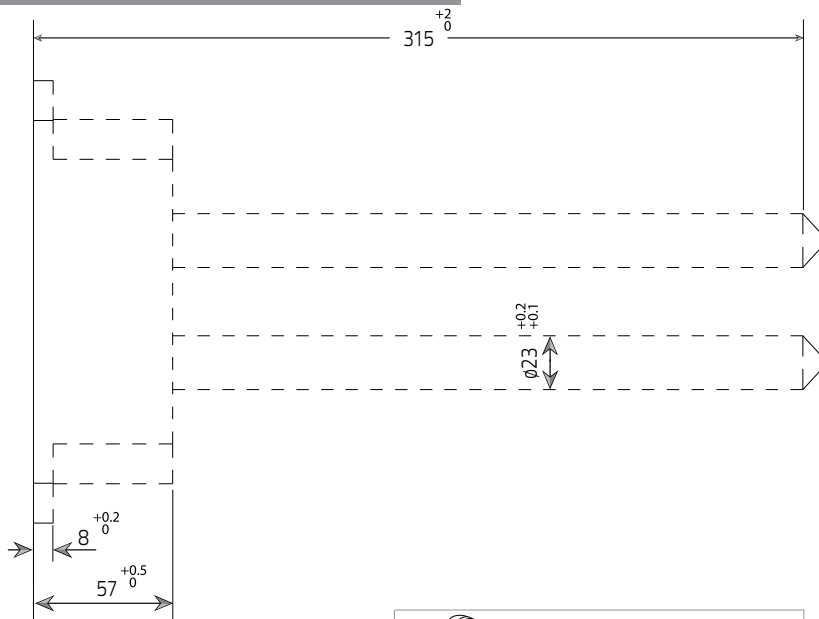
# 3D Concealed Hinge BAC1431SC Technical Data

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

### Hinge Measurements

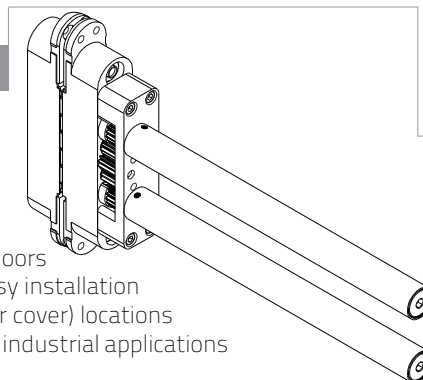


### Timber Rebate Measurements



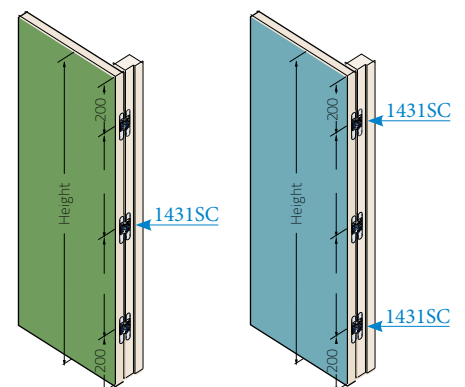
### BAC1431SC Quick Facts

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



### Hinge Mounting Position

3 symmetrical hinges per door



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

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