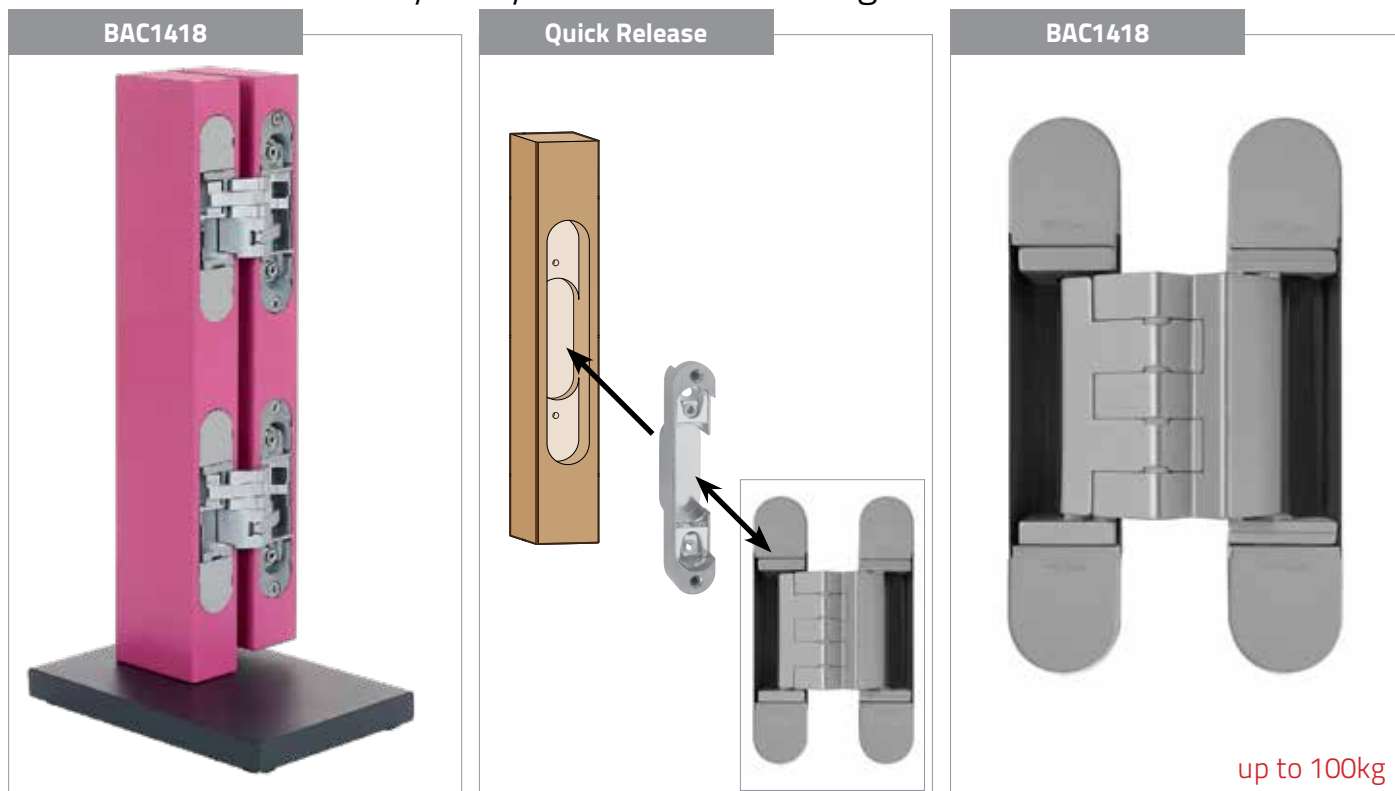


3D Concealed Hinge BAC1418 Functional Data

Heavy Duty Off Set: Max 100kg (based on door 3000 x 1300mm)



Heavy Duty Off Set Hinge - Upto 14mm of Wall Cladding

The BAC1418 3D adjustable concealed heavy duty hinge is revolutionary in its design and is suitable for cladding upto 14mm thick on the wall. Its rated to carry a 100kg door to 120° opening aperture.

A blended door to wall look and feel: once closed, the BAC1418 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 BAC1418 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 BAC1418, simply adjust the position of the door via the settings within the hinge. This adjustment is done without the door coming down.



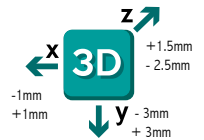
BAC1418 Quick Facts

Cladding	Upto 14mm on the wall
Max. door weight	100kg (subject to door dimensions)
Timber rebate	42.5 & 28mm
Gap when closed	2mm
Working aperture	Max 120° (door stop used at 120°)
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



BAC1418 Order Codes

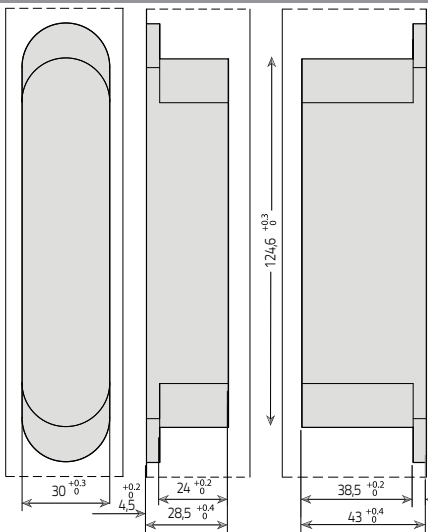
BAC1418SI	Silver
BAC1418SN	Satin Nickel
BAC1418BZ	Bronze
BAC1418PB	Polished Brass (by request)
BAC1418WH	White
BAC1418BL	Black
BACJIGX3-BACT1418	Jig & hinge template (rent or buy) pg. 59 - 61



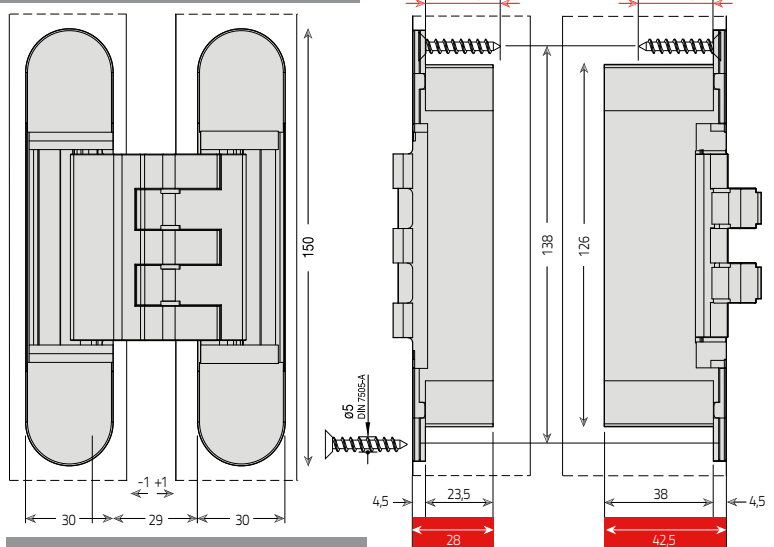
3D Concealed Hinge BAC1418 Technical Data

Heavy Duty Off Set: Max 100kg (based on door 3000 x 1300mm)

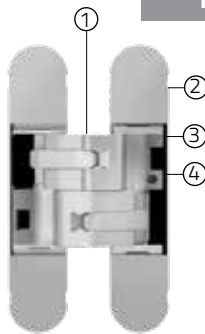
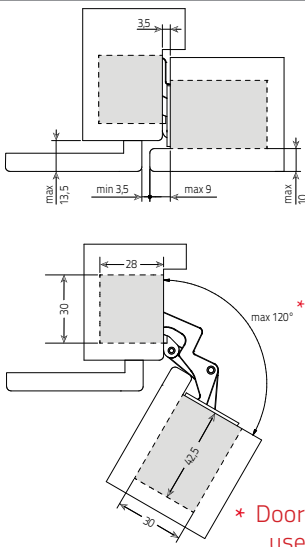
Timber Rebate Measurements



Hinge Measurements



BAC1418 Diagrams

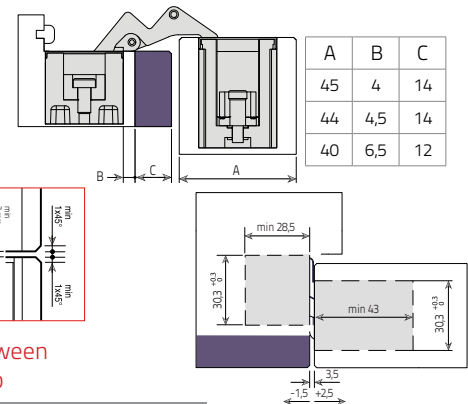


BAC1418 Quick Facts

- Upto 14mm Cladding
- CEAM quick release system
- Available in multiple finishes
- 100% Made in Italy for over 50 years
- Suitable for high frequency opening doors
- Fluid sliding mechanism and 3D adjustable
- Jig & router template available for easy installation
- Suitable for internal & external (under cover) locations
- Suitable for residential, commercial & industrial locations

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

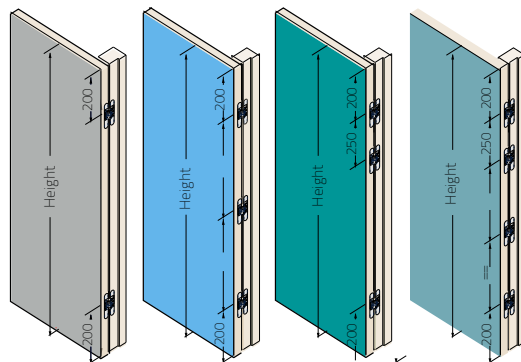
* Door Stop to be used at 120°



Min 2mm gap between door and jamb

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

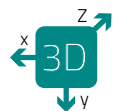
If used with a door closer, double the door weight.
A higher hinge class may be required - See page 58



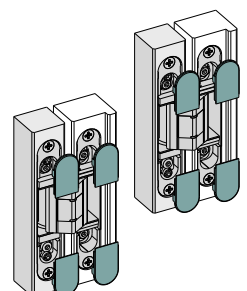
- 2 hinges
- 3 symmetrical hinges
- 3 asymmetrical hinges
- 4 hinges

Use asymmetric for heavy usage or commercial use.

Adjustment



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



4 x BAC1418 for doors 2700 - 3000mm high

Door Height (mm)	100	100	100	100	100	100	100
3000	100	100	100	100	100	100	100
2900	100	100	100	100	100	100	100
2800	100	100	100	100	100	100	94
2700	100	100	100	100	100	100	88

3 x BAC1418 for doors 2000 - 2600mm high

Door Height (mm)	100	100	100	100	100	100	100
2600	100	100	100	100	100	95	82
2500	100	100	100	100	100	88	77
2400	100	100	100	100	97	82	73
2300	100	100	100	100	89	77	69
2200	100	100	100	98	82	72	66
2100	100	100	100	90	76	68	63
2000	100	100	100	82	72	65	60

2 x BAC1418 for doors 1900 - 2200mm high

Door Height (mm)	80	80	80	78	66	59	54
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

Height x Width in mm | Weight in Kg