



Weatherglaze

CHALLENGER 3D

butt hinge for doors

3D adjustable hinges for composite and timber doors

The Challenger range of butt hinges have been engineered with a unique 3D-adjustability for ease of application and long term trouble-free performance.

The composite door butt hinge provides an attractive solution for all types of doors.

The hinge has been designed with a unique frame adjustment and is supplied with alternative packers for PVC and timber applications.

3D adjustment for lateral, height and compression may be carried out whilst the door is closed.

Security of the pin is achieved by a concealed grub screw fixing protected by the closed door.

The Challenger hinge is available in a range of finishes including white, brown, zircon gold and chrome.



Technical information

Corrosion resistance:	Meets the Requirements of BS EN 1670:2007 - White/Brown polyester powder paint & PVD Zircon Gold/Chrome - 240 hrs, Electroplated Gold - 96 hrs
Operation:	Endurance tested to over 50,000 cycles
Max weight per door:	3 hinges up to 100kgs

Material specification

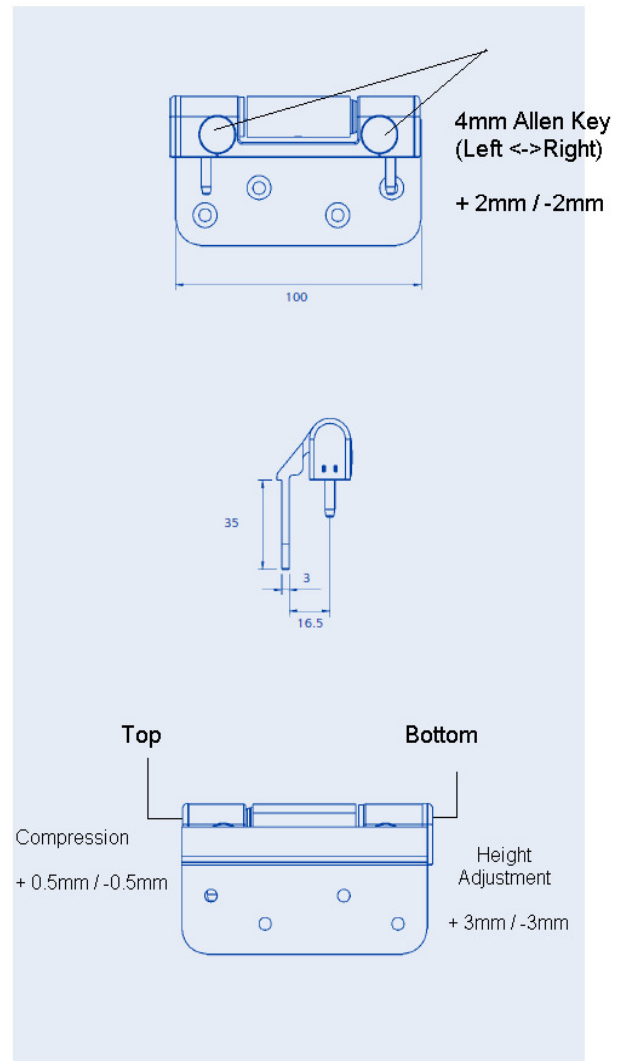
Hinge body:	Zinc alloy casting
Composite hinge flag:	Aluminium extrusion
Coatings:	Zircon Gold/Chrome - PVD
	White - powder coated White
	Brown - powder coated Ral 8019
Hinge pins:	Stainless steel
Grub screw:	Stainless steel
Bushes:	Black POM (Acetal)
Cover caps:	White, brown or black POM (Acetal)
Packers:	White, brown or black PA Nylon

Adjustability

Lateral:	+2mm / -2mm
Height:	+3mm
Compression:	-0.5mm / +0.5mm

Product Options

Available in White, Brown, Zircon Gold (PVD) and Chrome (PVD) finishes.
See opposite for complete list of product codes.



CHALLENGER 3D COMPOSITE

door hinges

180



PAINTED



GOLD ELECTROPLATED



ZIRCON GOLD



CHROME



COMPOSITE DOORS



TIMBER DOORS



SARACEN SECURE



10 YEAR GUARANTEE