



# PRODUCT BULLETIN

## greenteQ Sigma Door Hinge

### Sigma Flag Hinge For Rebated Doors

greenteQ Sigma is a premium quality flag hinge for rebated doors with upstand heights between 13.5 and 26.5mm, utilising either of the two body sizes along with additional packers if required (supplied separately).

The hinge is available in 9 colour options (white, brown, tan, black, PVD gold, brushed satin and polished, satin and smokey chromes) and all have been tested to achieve a corrosion resistance of grade 5, BS EN 1670.

Sigma is able to carry sashes of 100kg, and provides a maximum opening angle of 190°.

Adjustment is carried out in three directions with a standard 5mm Allen key. Lateral adjustment of +/- 5mm is available, along with +/- 0.75mm for compression. An additional compression adjustment of +/- 0.75mm can be achieved by rotating the pin bush during assembly. Height adjustment of +/- 1mm is possible, whilst any gap between the sash and frame parts is hidden by the gap cover.

The Sigma hinge has been styled to match the existing range of greenteQ door furniture and is designed to comply with EN 1935:2002 Single-Axis Hinges Requirements and Test Methods.

To help reduce the effectiveness of a direct attack, there is minimal space between the flag and body. Using the large fixing screws supplied, these hinges are able to help obtain and exceed the requirements of PAS24:2012 (Enhanced Security Performance Requirements for Doorsets and Windows)

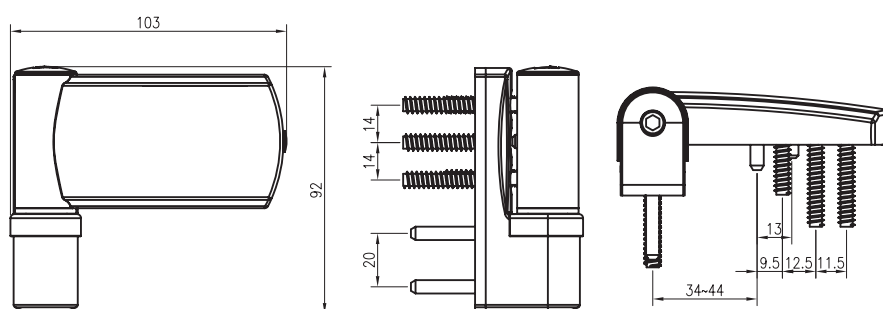
#### Benefits at a glance:

- Adjustment gap cover
- Allows up to 190° opening angle
- Full 3D adjustment
- Capable of exceeding PAS24:2012
- Complies with EN1935:2002 (Classification 475014012)
- Styled to complement greenteQ range
- Supplied with fixings
- 9 colour options

## greenteQ Sigma Flag Hinge



Max sash weight: 100Kg with 2 hinges  
 Lateral adjustment: +/-5mm  
 Height adjustment: +/-1mm  
 Compression adjustment: +/- 0.75mm  
 Complies with EN1935:2002  
 Adjustment gap cover  
 Allows 190° opening  
 Hinges are supplied with all covers and fixings



| Upstand      | White<br>RAL9016 | Brown<br>RAL8019 | Tan<br>RAL8003 | Black<br>RAL9005 | PVD<br>Gold | Polished<br>Chrome | Satin<br>Chrome | Smokey<br>Chrome | Brushed<br>Satin | Box<br>Qty |
|--------------|------------------|------------------|----------------|------------------|-------------|--------------------|-----------------|------------------|------------------|------------|
| 13.5-16.5mm* | 2QDH0001         | 2QDH0002         | 2QDH0003       | 2QDH0004         | 2QDH0005    | 2QDH0006           | 2QDH0007        | 2QDH0008         | 2QDH0009         | 24         |
| 18.5-21.5mm* | 2QDH0011         | 2QDH0012         | 2QDH0013       | 2QDH0014         | 2QDH0015    | 2QDH0016           | 2QDH0017        | 2QDH0018         | 2QDH0019         | 24         |

\*Higher upstands can be catered for by fitting packers under the frame body

### Sigma Under Packers



Contoured packers have a flat base and contoured top to sit between hinge and profile.

If the door profile has an upstand greater than the contoured packer provides, a flat packer can also be fitted to provide an additional 3mm.

| Description                | VBH Code | Box Qty |
|----------------------------|----------|---------|
| 1mm Contoured Packer White | 2QDH0021 | 100     |
| 2mm Contoured Packer White | 2QDH0022 | 100     |
| 3mm Contoured Packer White | 2QDH0023 | 100     |
| 4mm Contoured Packer White | 2QDH0024 | 100     |
| 5mm Contoured Packer White | 2QDH0025 | 100     |
| 3mm Flat Packer White      | 2QDH0029 | 100     |
| 1mm Contoured Packer Black | 2QDH0031 | 100     |
| 2mm Contoured Packer Black | 2QDH0032 | 100     |
| 3mm Contoured Packer Black | 2QDH0033 | 100     |
| 4mm Contoured Packer Black | 2QDH0034 | 100     |
| 5mm Contoured Packer Black | 2QDH0035 | 100     |
| 3mm Flat Packer Black      | 2QDH0039 | 100     |

### Spares



| Description                 | VBH Code | Box Qty |
|-----------------------------|----------|---------|
| White Cover Pack            | 2QDH0054 | 1       |
| Black Cover Pack            | 2QDH0055 | 1       |
| Fixing Screw Pack (40/28mm) | 2QDH0053 | 1       |
| Fixing Screw Pack (50/28mm) | 2QDH0052 | 1       |

### Fitting Jig



| Description   | VBH Code | Box Qty |
|---------------|----------|---------|
| Aluminium Jig | 2QDH0050 | 1       |
| Plastic Jig   | 2QDH0051 | 1       |