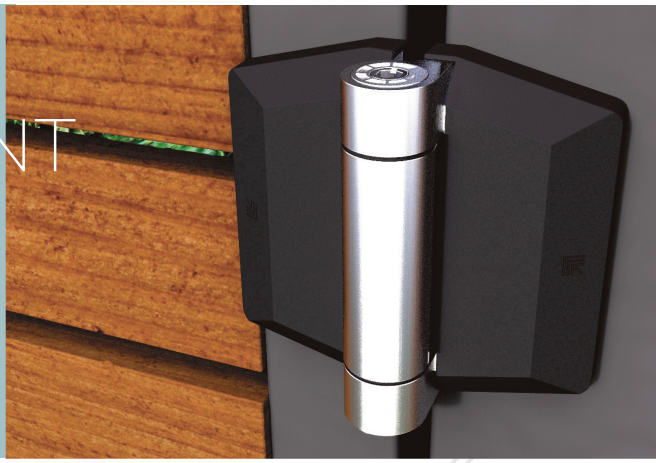
POLARIS
SOFT CLOSE HINGE
GLASS GATE SPECIALISTS

International Call: +61 8753 0244
WWW.POLARISHINGE.COM
E: info@polarishinge.com

UTILITY SURFACE MOUNT
156 SOFT CLOSE HINGE
I N N O V A T I V E



The Polaris 156 Hinge was purposely designed to fit a broad range of gates and doors. No need for specific fitment and is able to suit almost every gate option. Featuring our "QUIK-ADJUST" Ratchet cap for simple speed adjustment and interchangeable dampers for a customised closing force. Polaris Hinges are tested to 25,000 cycles and will perform beyond that.

After 3 years of intensive research and development, Polaris is proud to introduce a new Soft-Close Hinge, the Polaris 156 soft close Hinge. The 156 hinge's adaptive design allows for multiple fixing points through the gate, its frame and/or post, making it adaptable to literally any hinge assembly on the market. Sometimes there is limitations on certain gate fixing points, so pick the hole positions that suits your gate.

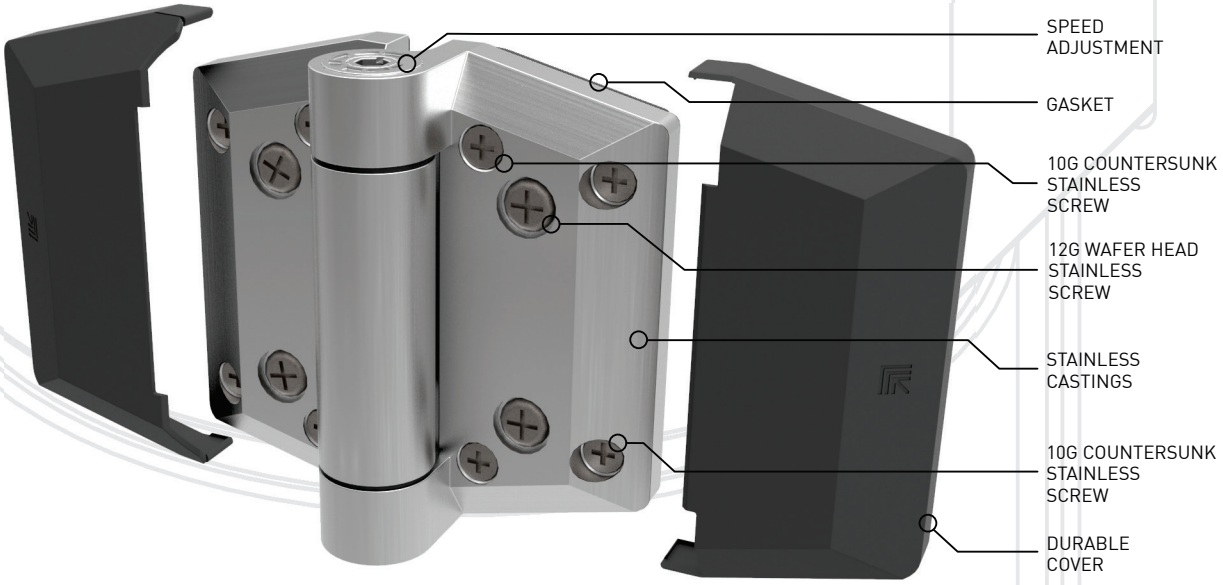
The 156 also features interchangeable dampers to switch out for various dampening setups. It's very fast and simple to do. Even installation is DIY possible with simple hand tools and safety equipment. Constructed out of 2205 Duplex Stainless Steel and High quality plastic covers which can handle the harsh outdoors.

Polaris Hinge revolutionised glass gates over a decade ago by introducing well thought of "cut-outs" into glass gates and hinge panels. This is generally limited to glass only but now with the 156 hinge with its Soft-Close technology, moves into a diverse range of gate applications. Adding Soft-Close technology to any gate and stop the slamming.

MAX 45Kg 100lbs

MIN. -10°C/+50°F
MAX. +50°C/+122°F

180°



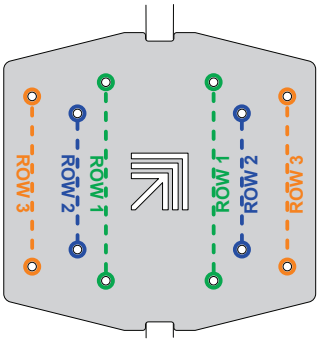
INSTALLATION FEATURES

POLARIS
SOFT CLOSE HINGE
GLASS GATE SPECIALISTS

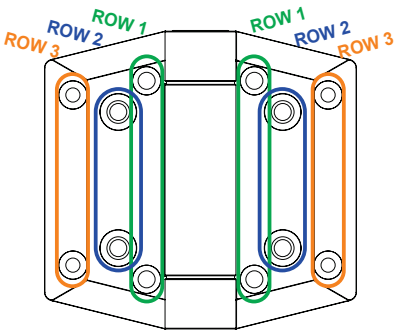
1. A gates vertical post should be plumb and level as this impacts the performance of the hinges to keep them aligned and manage the balance of the gate weight. Use the installation template provided to help align the hinges with a straight edge of the post or gate

2. Best to support the gates weight underneath with chocks/spacer, set at your desired height. An extra 2mm (1/8) higher at the latch end, avoids the gate droop from its weight. When installing we recommend using clamps etc. to hold things in good alignment.

3. Positioning the installation template square before securing it with some temporary tape. Clearly mark the holes centres for either **ROW's 1** or **3**. These rows are for the smaller countersunk screws which are for initial securing the hinges and doing the first 'open-close' test. Accurately drill 3mm (1/8) pilot holes in those marked centres to make the installation accurate and easier.



INSTALL TEMPLATE



HINGE FRONT

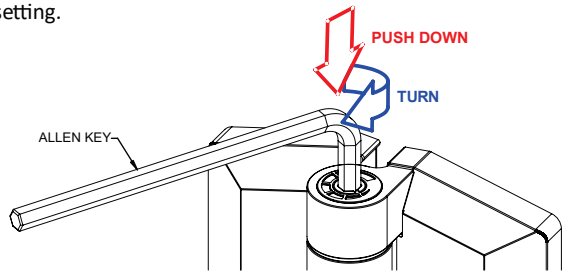
The unused fastener holes in the installation/hinge are for either re-alignment (**ROW 1** or **3** depending) after the first test IF there is a misalignment, and **ROW 2** which is for final securing of the hinges.

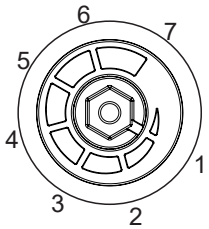
6. The hinge should align with the pilot holes when in position. Screw down the hinges, with the 10G countersunk self-drilling screws, into the post and the gates new holes.

7. Gently do the first test 'open-close' of the gate to see if your pilot holes where correct from your installation templates alignment. If it is not correct, you will need to mark new centre holes with the installation template re-positioned. Use the next unused ROW of holes (**ROW 1** or **3** which depends on what you already used). When you are happy you have it aligned and tested, you can finally secure the hinges with the larger screws into holes of **ROW 2**

8. Timber gate applications should use self-tapping timber screws instead (not provided). Using all the screw holes is not necessary but can be used.

9. The gates closing speed/strength can be adjusted by inserting an Allen key into the top slot of the speed adjustment endcap. Gently push down whilst rotating the adjustment end cap clockwise to the next setting (this increases the tension). Should you want to Dis-engage the mechanism or lower the tension setting, push down whilst holding the Allen key firmly as it rotates anti-clockwise. Lifting the Allen key out of the endcap engages tension again and holds your chosen setting.





ADJUSTMENT CAP SETTINGS

10. The covers are outdoor suitable plastic that slide over and clip onto the hinge. They hide the screw heads, therefore the heads must finish below the casting surface for the covers to go over. These covers can also be spray painted to match a particular colour scheme if desired