POLARIS
SOFT CLOSE HINGE
Product Guide
polarishinge.com
The Polaris Soft Close Hinge developed by Glass Hardware Australia is a unique self-closing hinge for use in all outdoor and indoor frameless glass applications. It was designed to meet the tough requirements of frameless glass pool fencing in Australia so can be used in all applications where glass doors or gates are needed. The Polaris Soft Close Hinge is designed to be resistant to chemicals, to operate in a wet environment and to withstand constant outdoor use and the harsh Australian weather.

To be used as a glass pool fence hinge meant it had to be durable, reliable and last for at least ten years. The sleek stainless steel construction makes it strong and durable but also makes it stylish and attractive. As an architectural feature it is minimalist and its design geometry is compatible with the toughened glass it supports.

The Polaris Soft Close Hinge uses a spring, high-powered magnets and shock absorbers to ensure gentle closing every time from any position, whether fully or only slightly open. The Polaris Soft Close Hinge closes with a soft and light action not only making it safe but also quiet in operation.

As a glass pool fence hinge it is the safest and most reliable hinge in the industry complying with the stringent Australian Standards AS1926 and AS 2820. Both the Royal Life Saving Society Australia and the Samuel Morris Foundation—organisations dedicated to preventing child drownings—have endorsed the product for use in Australian pools.

In 2010 the Polaris Soft Close Hinge was awarded a prestigious Australian International Design Mark™ Award. Presented by Standards Australia, the Australian International Design Awards is Australia’s premier design assessment program. Products were judged for their innovation, visual and emotional appeal, functionality, quality of manufacturing, usability (ergonomics and safety) and environmental sustainability.

Michael Stuart, the CEO of Glass Hardware Australia, is an industry insider with significant, first-hand experience of installation (and materials supply) and understands the needs of installers, customers and other major stakeholders in the industry. His passionate concern for the safety of glass pool fences has driven him to develop a soft close hinge that will not only meet Australia’s safety standards for glass pool fences but is suitable for a range of indoor and outdoor applications.

The Polaris Soft Close Hinge is a state-of-the-art product that is ahead of its rivals in design, style and safety.
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INTERIOR AUTO HINGE
GLASS TO WALL

CHARNIÈRE-AUTO INTERIEURE
AUTO SCHARNIER INTERIEUR
DU VERRE AU MUR
GLAS AN DER WAND

MODEL IGW

FINISHES AND FUNCTIONS
- GLASS TO WALL
- 304 GRADE STAINLESS STEEL
- MIRROR POLISHED
- SATIN POLISHED
- SINGLE ACTION
- SOFT CLOSE
- NON-HOLD OPEN

**INTERIOR AUTO HINGE**

**CHARNIÈRE-AUTO INTERIEURE**

**AUTO SCHARNIER INTERIEUR**

**DU VERRE AU MUR**

**GLAS AN DER WAND**

- USED WITH DOOR STOP
- AUTO CLOSE FROM ANY ANGLE
- WITH HYDRAULIC SOFT CLOSE
- CYCLE TESTED

**UTILISATION AVEC**

**BUTEE DE PORTE**

**FERMETURE AUTOMATIQUE DE N’IMPORE**

**QUEL ANGLE SANS JAMAIS CLAQUER**

**CYCLE TESTE**

**VERWENDUNG MIT TURANSCHLAG**

**SCHLIESSEN, AUS JEDEM WINKEL**

**OHNE ZUSCHLAGEN**

**ZYKLUS GETESTET**
TO ORDER SPECIFY:
- IGWP POLISHED FINISHED
- IGWS SATIN FINISH
INTERIOR AUTO HINGE
GLASS TO GLASS

FINISHES AND FUNCTIONS
- 304 Grade Stainless Steel
- Mirror Polished
- Satin Polished
- Single Action
- Soft Close
- No-Hold Open

INTERIOR AUTO HINGE
- Use with Door Stop
- Auto Close from Any Angle
- With Hydraulic Soft Close
- Cycle Tested

MODEL IGG
TO ORDER SPECIFY:
- IGGP POLISHED FINISHED
- IGGS SATIN FINISH
INTERIOR AUTO HINGE
GLASS TO OFFSET WALL PLATE

FINISHES AND FUNCTIONS
- Glass to wall
- 304 grade stainless steel
- Mirror polished
- Satin polished
- Single action
- Soft close
- Non-Hold open

USED WITH DOOR STOP
AUTO CLOSE FROM ANY ANGLE
WITH HYDRAULIC SOFT CLOSE
CYCLE TESTED

MODEL IOW
TO ORDER SPECIFY:
- 10WP POLISHED FINISHED
- 10WS SATIN FINISH
POLARIS SOFT CLOSE SHOWER HINGE
GLASS TO GLASS

SHOWER SOFT CLOSE HINGE
- SELF CLOSING SOFT CLOSE HINGE FOR GLASS SHOWER DOORS

FINISHES AND FUNCTIONS
- SATIN CHROME
- POLISHED CHROME
- SINGLE ACTION
- SOFT CLOSE ACTION
- NON-HOLD OPEN

MAX 50KG
-10°C to +50°C
90° OPENING
10mm
12mm
Up to 750mm x 2200mm
TO ORDER SPECIFY:
- SGGP POLISHED CHROME FINISH
- SGGS SATIN CHROME FINISH
POLARIS SOFT CLOSE SHOWER HINGE
GLASS TO WALL
TO ORDER SPECIFY:
- SGWP POLISHED CHROME FINISH
- SGWS SATIN CHROME FINISH
POLARIS SOFT CLOSE SHOWER HINGE
GLASS TO OFFSET WALL PLATE
TO ORDER SPECIFY:
- 5OWP POLISHED CHROME FINISH
- 5OWS SATIN CHROME FINISH
POOL FENCE SAFETY HINGE

GLASS TO GLASS

FINISHES AND FUNCTIONS

- 316 GRADE STAINLESS STEEL
- MIRROR POLISHED
- SATIN POLISHED
- SINGLE ACTION
- SOFT CLOSE ACTION
- NON-HOLD OPEN

POOL FENCE SAFETY HINGE

- SELF-CLOSING SAFETY HINGE FOR GLASS POOL FENCING
- TO BE USED WITH CHILD RESISTANT SAFETY LATCH
- COMPLIES WITH AUSTRALIAN STANDARDS FOR POOL GATE HARDWARE AS 2820 & AS 1926
- NATA ACCREDITED AND INDEPENDENTLY TESTED TO 10,000 CYCLES OR 10 YEARS NORMAL USE (NATA = NATIONAL ASSOCIATION OF TESTING AUTHORITIES, AUSTRALIA)
- ENDORSED BY ROYAL LIFE SAVING SOCIETY, AUSTRALIA
TO ORDER SPECIFY:
- PGGP POLISHED FINISHED
- PGGS SATIN FINISH
POOL FENCE SAFETY HINGE
GLASS TO WALL

FINISHES AND FUNCTIONS
- 316 GRADE STAINLESS STEEL
- MIRROR POLISHED
- SATIN POLISHED
- SINGLE ACTION
- SOFT CLOSE ACTION
- NON-HOLD OPEN

POOL FENCE SAFETY HINGE
- SELF-CLOSING SAFETY HINGE FOR GLASS POOL FENCING
- TO BE USED WITH CHILD RESISTANT SAFETY LATCH
- COMPLIES WITH AUSTRALIAN STANDARDS FOR POOL GATE HARDWARE AS 2820 & AS 1926
- NATA ACCREDITED AND INDEPENDENTLY TESTED TO 10,000 CYCLES OR 10 YEARS NORMAL USE (NATA = NATIONAL ASSOCIATION OF TESTING AUTHORITIES, AUSTRALIA)
- ENDORSED BY ROYAL LIFE SAVING SOCIETY, AUSTRALIA

10mm
12mm
Up to 950mm x 1250mm
MAX 50KG
- 10°C
+ 50°C
90°
TO ORDER SPECIFY:
- PGWP POLISHED FINISHED
- PGWS SATIN FINISH
POOL FENCE SAFETY HINGE
GLASS TO OFFSET WALL PLATE

FINISHES AND FUNCTIONS
- 316 GRADE STAINLESS STEEL
- MIRROR POLISHED
- SATIN POLISHED
- SINGLE ACTION
- SOFT CLOSE ACTION
- NON-HOLD OPEN

EXTERIOR AUTO HINGE
- AUTO CLOSE FROM ANY ANGLE
- WITH HYDRAULIC SOFT CLOSE
- CYCLE TESTED

10mm
12mm
Up to 950mm x 1250mm
MAX 50KG
- 10°C
+ 50°C
90°
TO ORDER SPECIFY:
- PWSP POLISHED FINISHED
- PWS SATIN FINISH
POOL FENCE SAFETY HINGE
GLASS TO SQUARE POST

FINISHES AND FUNCTIONS
- 316 GRADE STAINLESS STEEL
- MIRROR POLISHED
- SATIN POLISHED
- SINGLE ACTION
- SOFT CLOSE ACTION
- NON-HOLD OPEN

POOL FENCE SAFETY HINGE
- SELF-CLOSING SAFETY HINGE FOR GLASS POOL FENCING
- TO BE USED WITH CHILD RESISTANT SAFETY LATCH
- COMPLIES WITH AUSTRALIAN STANDARDS FOR POOL GATE HARDWARE AS 2820 & AS 1926
- NATA ACCREDITED AND INDEPENDENTLY TESTED TO 10,000 CYCLES OR 10 YEARS NORMAL USE (NATA = NATIONAL ASSOCIATION OF TESTING AUTHORITIES, AUSTRALIA)
- ENDORSED BY ROYAL LIFE SAVING SOCIETY, AUSTRALIA
TO ORDER SPECIFY:
- PSPP POLISHED FINISHED
- PSPS SATIN FINISH
POOL FENCE SAFETY HINGE
GLASS TO ROUND POST

FINISHES AND FUNCTIONS
- 316 GRADE STAINLESS STEEL
- MIRROR POLISHED
- SATIN POLISHED
- SINGLE ACTION
- SOFT CLOSE ACTION
- NON-HOLD OPEN

POOL FENCE SAFETY HINGE
- SELF-CLOSING SAFETY HINGE FOR GLASS POOL FENCING
- TO BE USED WITH CHILD RESISTANT SAFETY LATCH
- COMPLIES WITH AUSTRALIAN STANDARDS FOR POOL GATE HARDWARE AS 2820 & AS 1926
- NATA ACCREDITED AND INDEPENDENTLY TESTED TO 10,000 CYCLES OR 10 YEARS NORMAL USE (NATA = NATIONAL ASSOCIATION OF TESTING AUTHORITIES, AUSTRALIA)
- ENDORSED BY ROYAL LIFE SAVING SOCIETY, AUSTRALIA
TO ORDER SPECIFY:
- PRPP POLISHED FINISHED
- PRPS SATIN FINISH
SHOWER LATCH GLASS
GLASS TO GLASS 90°
**LATCH GLASS TO GLASS 90°**

**TOP VIEW**

- **GLASS GATE**
- **M6 DOME NUT**
- **M6X30 DOMED CAP HEAD BOLT**
- **MAGNALOCK ASSEMBLY**
- **GLASS PANEL**

**GLASS GATE HOLES**

**TO ORDER SPECIFY:**
- LAGG90P POLISHED FINISH
- LAGG90S SATIN FINISH
SHOWER LATCH GLASS
GLASS TO GLASS 180°
LATCH GLASS TO GLASS 180°

TO ORDER SPECIFY:
- LAGG180P POLISHED FINISH
- LAGG180S SATIN FINISH
GLASS PREPARATION
GLASS TO GLASS

GLASS CUT-OUT TOP AND BOTTOM
GLASS PREPARATION
GLASS TO WALL/POST

GLASS CUT-OUT TOP AND BOTTOM