

# Building Product Information Sheet

D&D Technologies®

Generic Model: SureClose ReadyFit Hydraulic Hinge-Closers and Hinges

Part of ASSA ABLOY

Type: SureClose ReadyFit Safety Model Configurations

## 1. Unique identification code of the product-type:

<b>Brand</b>	D&D Technologies
<b>Model(s)</b>	SureClose ReadyFit Hydraulic Hinge-Closer Safety Model Configurations - Part Number / identifier listed below

Part Number / identifier	Bar code	Description/Type	Production type	NZ Building Product class
74108323T	736494011023	SureClose ReadyFit Safety Hinge-Closer with aluminum mounting bracket	Batch or mass-produced products	Class 1
74001313T	736494011016	SureClose ReadyFit Hinge only with aluminum mounting bracket	Batch or mass-produced products	Class 1
74108325T	736494011030	SureClose ReadyFit Safety Hinge-Closer with steel mounting bracket	Batch or mass-produced products	Class 1
74001315T	736494011085	SureClose ReadyFit Hinge only with steel mounting bracket	Batch or mass-produced products	Class 1
7403	736494011153	SureClose ReadyFit Gate Stop	Batch or mass-produced products	Class 1

Refer to Configurations below self-closing gate capacities.

This specification only covers the Configurations listed below – substitutions are not permitted.

## 2. Product description and its intended use(s)

SureClose ReadyFit Hydraulic Hinge-Closer Safety Model Configurations.

Key Features:

- Combined hinge-closer models with a self-closing gate capacity of up to 120kg on gate dimensions of 1,800mm H x 1,000mm W per hinge pair – refer to table below for self-closing gate capacity configurations.
- Safety models self-close from 88°– 0° – refer to table below. Gate stop required on safety models (SF) to prevent hinge-closer from opening pass 85°.
- SureClose ReadyFit Gate Stop (7403) – Recommended for use with SureClose ReadyFit Safety Hinge-Closer. **Note:** Adjust Gate Stop (7403) to prevent hinge-closer from opening pass 85°.
- Adjustable self-closing speed / force.
- Adjustable Final Snap Action.
- Mounting brackets come in steel or aluminium versions and suitable for weld-on or screw-on mounting.
- Horizontal adjustment. **Note: When making horizontal adjustment ensure the gate is supported. Adjustment tool is provided to make horizontal adjustment. CAUTION: Do not exceed the gate gap variance when making horizontal adjustment.**
- Vertical adjustment. **Note: When making vertical adjustment ensure the gate is supported.**
- When used on pool gate applications: SureClose ReadyFit Hydraulic Hinge-Closer Safety Configurations listed in this document must be paired with suitable self-latching devices for the gate.

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- When used on pool gate applications: The top of the hinge may be considered as horizontal climbable members, so observe a minimal distance of 900mm between two consecutive hinges. Always confirm local fence / barrier regulations before installation.
- When used on pool gate applications: Gates shall be hung so that they only swing outwards from the pool area. Always confirm local fence / barrier regulations before installation.
- Materials:
  - Aluminium models have 50-micron thick hard anodizing.
  - Steel models have high performance proprietary non-electrolytic zinc flake coating.
- Recommended and Minimum post sections – refer to table below.
- Ideal Gate Gap and Gap Variance – refer to table below.

Part Number / identifier	Description/Type	Gap Variance	Recommended Minimum Post Width
74108323T	SureClose ReadyFit Safety Hinge-Closer with aluminum mounting bracket	13 – 35mm	50mm
74001313T	SureClose ReadyFit Hinge only with aluminum mounting bracket	13 – 35mm	35mm
74108325T	SureClose ReadyFit Safety Hinge-Closer with steel mounting bracket	13 – 35mm	35mm
74001315T	SureClose ReadyFit Hinge only with steel mounting bracket	13 – 35mm	50mm
7403	SureClose ReadyFit Gate Stop	-	75mm

Configuration	Part Number / identifier Hinge 1	Part Number / identifier Hinge 2	Self-Closing Gate Capacity
1	74108323T	774001313T	80kg
2	74108325T	74001315T	80kg
3	74108323T	74108323T	120kg
4	74108325T	74108325T	120kg

## Applications:

- Combined hinge-closer models with a self-closing gate capacity of up to 120kg on gate dimensions of 1,800mm H x 1,000mm W per hinge pair – refer to table below for self-closing gate capacity configurations.
- Pool Gates: Observe the following:
  - SureClose ReadyFit Hydraulic Hinge-Closer Safety Configurations listed in this document must be paired with suitable self-latching devices for the gate.
  - The top of the hinge may be considered as horizontal climbable members, so observe a minimal distance of 900mm between two consecutive hinges. Always confirm local fence / barrier regulations before installation.

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- Gates shall be hung so that they only swing outwards from the pool area. Always confirm local fence / barrier regulations before installation.
- Commercial Gates.
- Gate material and fencing material – refer to table below.

Part Number / identifier	Description/Type	Fence Post Material	Gate Material
74108323T	SureClose ReadyFit Safety Hinge-Closer with aluminum mounting bracket	Aluminium	Aluminium
74001313T	SureClose ReadyFit Hinge only with aluminum mounting bracket	Aluminium	Aluminium
74108325T	SureClose ReadyFit Safety Hinge-Closer with steel mounting bracket	Steel	Steel
74001315T	SureClose ReadyFit Hinge only with steel mounting bracket	Steel	Steel

### 3. Place of Manufacture:

Place of Manufacture

Aotearoa New Zealand

Overseas, see manufacturer section for details

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## 4. Legal and trading name of the manufacturer(s):

D&D Technologies Pty Ltd.

### Address for Service

<b>Street name and number</b>	Unit 6, 4-6 Aquatic Drive
<b>Suburb</b>	Frenchs Forest
<b>Region/state</b>	New South Wales
<b>Country</b>	Australia
<b>Post code</b>	2086
<b>Website</b>	<a href="https://www.ddtech.com/">https://www.ddtech.com/</a>
<b>Email</b>	<a href="https://au.ddtech.com/pages/contact-us">https://au.ddtech.com/pages/contact-us</a>
<b>Phone</b>	+61 2 9454 7888
<b>Business number</b>	ABN: 94 059 413 430

## 5. Legal and trading name of the importer (if applicable):

ASSA ABLOY New Zealand Ltd

### Address for Service

<b>Street name and number</b>	6 Armstrong Road
<b>Suburb</b>	Albany
<b>Region/state</b>	Auckland
<b>Country</b>	New Zealand
<b>Post code</b>	0632
<b>Website</b>	<a href="https://www.assaabloy.com/nz/en">https://www.assaabloy.com/nz/en</a>
<b>Email</b>	nzsales@assaabloy.com
<b>Phone</b>	+64 (0)9 448 9188
<b>Business number</b>	NZBN: 9429036762194

## 6. Relevant Building Code clauses:

<b>Standard</b>	<b>Clause(s)</b>
NZS 8500: 2006 - Safety Barriers and Fences Around Swimming	Clause 3.3.4 – Horizontal claimable members – Hinges shall be not less than 900mm apart.

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Pools, Spas and Hot Tubs	Clause 3.4.3 – Self-Closing device
NZ Building Regulations 1992	Clause F9.9.3 - Means of restricting access to residential pools: Any gates must — a. open away from the pool; and b. not be able to be readily opened by children (when paired with suitable self-closing and self-latching devices – see Sections 8 to 11 below); and c. automatically return to the closed position after use.

## 7. Statement on how the building product is expected to contribute to compliance.

## 8. Limitations on the use of the building product:

- Specification only covers the Configurations listed above.
- Suitable for gates weighing up to 120kg with dimensions of 1,800mm H x 1,000mm W – refer to table above for self-closing gate capacity configurations.
- Safety models self-close from 88°– 0° – refer to table above. Gate stop required on safety models (SF) to prevent hinge-closer from opening pass 85°.
- SureClose ReadyFit Gate Stop (7403) – Recommended for use with SureClose ReadyFit Safety Hinge-Closer. **Note:** Adjust Gate Stop (7403) to prevent hinge-closer from opening pass 85°.
- Pool Gates: Observe the following:
  - SureClose ReadyFit Hydraulic Hinge-Closer Safety Configurations listed in this document must be paired with suitable self-latching devices for the gate.
  - The top of the hinge may be considered as horizontal climbable members, so observe a minimal distance of 900mm between two consecutive hinges. Always confirm local fence / barrier regulations before installation.
  - Gates shall be hung so that they only swing outwards from the pool area. Always confirm local fence / barrier regulations before installation.

## 9. Design requirements that would support the appropriate use of the building product.

Pools must have or be provided with physical barriers that restrict access to the pool. A barrier surrounding a pool must have no permanent objects or projections on the outside that could assist children in negotiating the barrier. Refer to the following references for further details:

- Clause F9 - Means of restricting access to residential pools of the NZ Building Regulations 1992.
- NZS 8500: 2006 - Safety Barriers and Fences Around Swimming Pools, Spas and Hot Tubs.

## 10. Installation requirements

- Refer to supplied fitting instructions.
- Safety models self-close from 88°– 0° – refer to table above. Gate stop required on safety models (SF) to prevent hinge-closer from opening pass 85°.
- SureClose ReadyFit Gate Stop (7403) – Recommended for use with SureClose ReadyFit Safety Hinge-Closer. **Note:** Adjust Gate Stop (7403) to prevent hinge-closer from opening pass 85°.
- Pool Gates: Observe the following:
  - SureClose ReadyFit Hydraulic Hinge-Closer Safety Configurations listed in this document must be paired with suitable self-latching devices for the gate.
  - The top of the hinge may be considered as horizontal climbable members, so observe a minimal distance of 900mm between two consecutive hinges. Always confirm local fence / barrier regulations before installation.
  - Gates shall be hung so that they only swing outwards from the pool area. Always confirm local fence / barrier regulations before installation.

## 11. Maintenance requirements

**NOTE:** Gates and Fencing can move due to wind loading, ground movement, and/or other factors. This can cause alignment to shift. Therefore, Site Operator and/or Site Owner must ensure the following inspection and maintenance is carried out on a regular basis or when the gate(s) is

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prevented from being self-closed and its self-latching device is prevented from self-latching, i.e., the latching pin engaging with the keeper.

- Refer to supplied fitting instructions.
- Observe the following:
  - Check self-closing hinges will self-close the gate from any position and allow the latching pin of the self-latching device to engage with the keeper. Where applicable, make necessary adjustment(s) as per manufacturer's recommendation. When making closing adjustment, ensure each hinge always have equal closing speed at all times.
  - Always carry out maintenance on both self-latching devices and self-closing hinges for the gate at the same time. The key points are as follow:
    1. Check placement and position of the release mechanism knob with respect to the standards mentioned above.
    2. If a MagnaLatch Side Pull self-latching device is installed, ensure there is shielding around the release mechanism knob.
    3. Check alignment between the latching pin of the latch and the keeper of the striker to ensure the latching pin is engaged with the keeper when the gate is in the closed position. If a MagnaLatch Series 3 Top Pull device is installed, check the alignment indicators provided on the MagnaLatch Series 3 Top Pull for optimal alignment. Where applicable, make necessary adjustment(s) as per manufacturer's recommendation.
    4. Check paired self-closing hinges for the gate to enable the gate to be closed from any position and allow the latching pin to be engaged with the keeper. Where applicable, make necessary adjustment(s) as per manufacturer's recommendation.
    5. Check for any obstruction(s) or potential obstruction(s) that prevents the latching pin being engaged with the keeper when the gate is in the closed position.
- Gate alignment and maintenance is essential to maintain self-closing, latching alignment and performance.

## 12. Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?

Yes

No

If yes, description of the warning or ban under section 26

N/A

## 13. Date

Date of document completion (day/month/year)

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