

Building Product Information Sheet

Generic Model: SureClose Flush Mount Hydraulic Hinge-Closers and Hinges

Type: SureClose Flush Mount Safety Model Configurations

D&D Technologies®

Part of ASSA ABLOY

1. Unique identification code of the product-type:

Brand	D&D Technologies
Model(s)	SureClose Flush Mount Hydraulic Hinge-Closer Safety Model Configurations - Part Number / identifier listed below

Part Number / identifier	Bar code	Description/Type	Production type	NZ Building Product class
75108223M	736494008016	SureClose Flush Mount Safety Hinge-Closer with Final Snap and aluminum gate frame bracket	Batch or mass-produced products	Class 1
75057223M	736494007910	SureClose Flush Mount Safety Hinge-Closer with aluminum gate frame bracket	Batch or mass-produced products	Class 1
75001213	736494007613	SureClose Flush Mount Hinge only with aluminum gate frame bracket	Batch or mass-produced products	Class 1
7515	736494007675	SureClose Flush Mount aluminum post bracket	Batch or mass-produced products	Class 1
75108224M	736494008030	SureClose Flush Mount Safety Hinge-Closer with Final Snap and steel gate frame bracket	Batch or mass-produced products	Class 1
75057224M	736494008061	SureClose Flush Mount Safety Hinge-Closer with steel gate frame bracket	Batch or mass-produced products	Class 1
75001214	73649400762	SureClose Flush Mount Hinge only with steel gate frame bracket	Batch or mass-produced products	Class 1
7525	736494007774	SureClose Flush Mount steel post bracket	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 Flush Mount 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 90°– 0° – refer to table below. Gate stop required on safety models (SF) to prevent hinge-closer from opening pass 90°.
- Safety models with snap-close will self-close from 90°– 0° with final snap-close action – refer to table below. Gate stop required on safety models (SF) to prevent hinge-closer from opening pass 90°.
- Adjustable self-closing speed / force.
- Adjustable Final Snap Action (75108223M and 75108224M).
- Mounting brackets come in steel or aluminium versions and suitable for weld-on or screw-on mounting.

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- Separate SureClose Flush Mount post brackets are required to complete installation (7515 or 7525)
- When used on pool gate applications: SureClose Flush Mount Hydraulic Hinge-Closer Safety Configurations listed in this document must be paired with suitable self-latching devices for the gate.
- 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 Fence Post Depth
75108223M	SureClose Flush Mount Safety Hinge-Closer with Final Snap and aluminum gate frame bracket	Fixed at 13mm	76mm
75057223M	SureClose Flush Mount Safety Hinge-Closer with aluminum gate frame bracket	Fixed at 13mm	50mm
75001213	SureClose Flush Mount Hinge only with aluminum gate frame bracket	Fixed at 13mm	50mm
7515	SureClose Flush Mount aluminum post bracket	-	-
75108224M	SureClose Flush Mount Safety Hinge-Closer with Final Snap and steel gate frame bracket	Fixed at 13mm	76mm
75057224M	SureClose Flush Mount Safety Hinge-Closer with steel gate frame bracket	Fixed at 13mm	50mm
75001214	SureClose Flush Mount Hinge only with steel gate frame bracket	Fixed at 13mm	50mm
7525	SureClose Flush Mount steel post bracket	-	-

Configuration	Part Number / identifier Hinge 1	Part Number / identifier Hinge 2	Self-Closing Gate Capacity
1	75057223M	75001213	40kg
2	75057223M	75057223M	80kg
3	75108223M	75001213	80kg
4	75108223M	75108223M	120kg

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5	75057224M	75001214	40kg
6	75057224M	75057224M	80kg
7	75108224M	75001214	80kg
8	75108224M	75108224M	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 Flush Mount 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.
- Commercial Gates.
- Gate material and fencing material – refer to table below.

Part Number / Identifier	Description/Type	Fence Post Material	Gate Material
75108223M	SureClose Flush Mount Safety Hinge-Closer with Final Snap and aluminum gate frame bracket	Aluminium	Aluminium
75057223M	SureClose Flush Mount Safety Hinge-Closer with aluminum gate frame bracket	Aluminium	Aluminium
75001213	SureClose Flush Mount Hinge only with aluminum gate frame bracket	Aluminium	Aluminium
7515	SureClose Flush Mount aluminum post bracket	Aluminium	Aluminium
75108224M	SureClose Flush Mount Safety Hinge-Closer with Final Snap and steel gate frame bracket	Steel	Steel
75057224M	SureClose Flush Mount Safety Hinge-Closer with steel gate frame bracket	Steel	Steel
75001214	SureClose Flush Mount Hinge only with steel gate frame bracket	Steel	Steel
7525	SureClose Flush Mount steel post 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

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

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

ASSA ABLOY New Zealand Ltd

Address for Service

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

6. Relevant Building Code clauses:

Standard	Clause(s)
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 — <ul style="list-style-type: none">a. open away from the pool; andb. 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); andc. 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 90°– 0° – refer to table above. Gate stop required on safety models (SF) to prevent hinge-closer from opening pass 90°.
- Safety models with snap-close will self-close from 90°– 0° with final snap-close action – refer to table above. Gate stop required on safety models (SF) to prevent hinge-closer from opening pass 90°.
- Pool Gates: Observe the following:
 - SureClose Flush Mount 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 90°– 0° – refer to table above. Gate stop required on safety models (SF) to prevent hinge-closer from opening pass 90°.
- Safety models with snap-close will self-close from 90°– 0° with final snap-close action – refer to table above. Gate stop required on safety models (SF) to prevent hinge-closer from opening pass 90°.
- Pool Gates: Observe the following:
 - SureClose Flush Mount 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.

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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 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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