

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

<b>Brand</b>	D&D Technologies
<b>Model(s)</b>	TruClose Series 3 Heavy Duty Self-Closing Spring Hinges - Part Number / identifier listed below

Part Number / identifier	Bar code	Description/Type	Production type	NZ Building Product class
TCHD1AS3BT	736494008481	TruClose Series 3 Heavy Duty for Metal Gates – Black Trim	Batch or mass-produced products	Class 1
TCHD1AS3CT	736494008306	TruClose Series 3 Heavy Duty for Metal Gates – Chrome Trim	Batch or mass-produced products	Class 1
TCHD1AS3ST	736494008313	TruClose Series 3 Heavy Duty for Metal Gates – Brushed Trim	Batch or mass-produced products	Class 1
TCHD1AS3WT	736494009440	TruClose Series 3 Heavy Duty for Metal Gates – White Trim	Batch or mass-produced products	Class 1
TCHD1AS3RB	736494009778	TruClose Series 3 Heavy Duty for Metal Gates – Bunnings	Batch or mass-produced products	Class 1
TCHD1AL1S3BT	736494008498	TruClose Series 3 Heavy Duty for Metal Gates (1 side leg) – Black Trim	Batch or mass-produced products	Class 1
TCHD1AL2S3BT	736494008504	TruClose Series 3 Heavy Duty for Metal Gates (2 side legs) – Black Trim	Batch or mass-produced products	Class 1
TCHD1AL2S3CT	736494008344	TruClose Series 3 Heavy Duty for Metal Gates (2 side legs) – Chrome Trim	Batch or mass-produced products	Class 1
TCHD1AL2S3ST	736494008351	TruClose Series 3 Heavy Duty for Metal Gates (2 side legs) – Brushed Trim	Batch or mass-produced products	Class 1
TCHD1AL2S3WT	736494008603	TruClose Series 3 Heavy Duty for Metal Gates (2 side legs) – White Trim	Batch or mass-produced products	Class 1
TCHD1S3BT	736494008511	TruClose Series 3 Heavy Duty for Metal/Vinyl/Wood Gates – Black Trim	Batch or mass-produced products	Class 1
TCHD1L2S3BT	736494008535	TruClose Series 3 Heavy Duty for Metal/Vinyl/Wood Gates (2 side legs) – Black Trim	Batch or mass-produced products	Class 1
TCHD2L1SS3BT	736494008566	TruClose Series 3 Heavy Duty for Vinyl/Wood Gates (1 side leg) – Black Trim	Batch or mass-produced products	Class 1
TCHD2L2S3BT	736494008559	TruClose Series 3 Heavy Duty for Vinyl/Wood Gates (2 side legs) – Black Trim	Batch or mass-produced products	Class 1

This specification only covers the Part Number / identifier listed above – substitutions are not permitted.

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

Heavy Duty Self-Closing Spring Hinges – supplied as a pair.

Key Features:

- Combined hinge-closer with a self-closing gate capacity of up to 70kg on gate dimensions of 1,800mm H x 1,200mm W per hinge pair.
- Adjustable self-closing tension feature is provided on both ends of each hinge barrel. Ensure each hinge always have equal tension. Adjust tension on each hinge from the top adjustor only. Only adjust tension with the gate closed.
- TCHD1AS3RB is supplied with a safety cap. Safety cap to be installed on the lower hinge (optional). Always confirm local fence / barrier regulations before installation.
- Suitable for use on pool applications – Independently tested for “Durability, Strength and Rigidity, Closing and Latching and Security of Closure of Gate Unit to AS 1926-1 2012”.
- When used on pool gate applications: The top of the hinge barrel and adjuster 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.
- Certain models supplied with trim covers – refer to table below.
- Materials: Constructed from engineered polymer with internal stainless steel torsion spring.
- Operation Temperature range: -40 degrees C to 60 degrees C
- Recommended and Minimum post sections – refer to table below.
- Ideal Gate Gap and Gap Variance – refer to table below.

Part Number / identifier	Description/Type	Trim Covers	Side Fixing Legs	Ideal Gate Gap	Gap Variance	Recommended Minimum Fence Post Width
TCHD1AS3BT	TruClose Series 3 Heavy Duty for Metal Gates – Black Trim	Black	-	19mm	9 – 25mm	35mm
TCHD1AS3CT	TruClose Series 3 Heavy Duty for Metal Gates – Chrome Trim	Chrome	-	19mm	9 – 25mm	35mm
TCHD1AS3ST	TruClose Series 3 Heavy Duty for Metal Gates – Brushed Trim	Brushed	-	19mm	9 – 25mm	35mm
TCHD1AS3WT	TruClose Series 3 Heavy Duty for Metal Gates – White Trim	White	-	19mm	9 – 25mm	35mm
TCHD1AS3RB	TruClose Series 3 Heavy Duty for Metal Gates – Bunnings	-	-	19mm	9 – 25mm	35mm
TCHD1AL1S3BT	TruClose Series 3 Heavy Duty for Metal Gates (1 side leg) – Black Trim	Black	1 leg	19mm	9 – 25mm	35mm
TCHD1AL2S3BT	TruClose Series 3 Heavy Duty for Metal Gates (2 side legs) – Black Trim	Black	2 legs	Fixed at 21mm	-	35mm
TCHD1AL2S3CT	TruClose Series 3 Heavy Duty for Metal Gates (2 side legs) – Chrome Trim	Chrome	2 legs	Fixed at 21mm	-	35mm

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	Chrome Trim					
TCHD1AL2S3ST	TruClose Series 3 Heavy Duty for Metal Gates (2 side legs) – Brushed Trim	Brushed	2 legs	Fixed at 21mm	-	35mm
TCHD1AL2S3WT	TruClose Series 3 Heavy Duty for Metal Gates (2 side legs) – White Trim	White	2 legs	Fixed at 21mm	-	35mm
TCHD1S3BT	TruClose Series 3 Heavy Duty for Metal/Vinyl/Wood Gates – Black Trim	Black	-	19mm	9 – 25mm	50mm
TCHD1L2S3BT	TruClose Series 3 Heavy Duty for Metal/Vinyl/Wood Gates (2 side legs) – Black Trim	Black	2 legs	Fixed at 21mm	-	50mm
TCHD2L1SS3BT	TruClose Series 3 Heavy Duty for Vinyl/Wood Gates (1 side leg) – Black Trim	Black	-	19mm	9 – 25mm	78mm
TCHD2L2S3BT	TruClose Series 3 Heavy Duty for Vinyl/Wood Gates (2 side legs) – Black Trim	Black	2 legs	Fixed at 21mm	-	78mm

## Applications:

- Gates weighing 70kg with dimensions of 1,800mm H x 1,200mm W.
- Pool Gates: Observe the following:
  - TruClose Series 3 Heavy Duty Self-Closing Hinges listed in this document must be paired with suitable self-latching devices for the gate.
  - The top of the hinge barrel and adjuster 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.
- Residential Gates.
- Light Commercial Gates.
- Gate material and fencing material – refer to table below.

Part Number / identifier	Description/Type	Fence Post Material	Gate Material
TCHD1AS3BT	TruClose Series 3 Heavy Duty for Metal Gates – Black Trim	Metal	Metal
TCHD1AS3CT	TruClose Series 3 Heavy Duty for Metal Gates – Chrome Trim	Metal	Metal
TCHD1AS3ST	TruClose Series 3 Heavy Duty for Metal Gates – Brushed Trim	Metal	Metal
TCHD1AS3WT	TruClose Series 3 Heavy Duty for Metal Gates – White Trim	Metal	Metal
TCHD1AS3RB	TruClose Series 3 Heavy Duty for Metal Gates – Bunnings	Metal	Metal
TCHD1AL1S3BT	TruClose Series 3 Heavy Duty for Metal Gates (1 side leg) – Black Trim	Metal	Metal

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TCHD1AL2S3BT	TruClose Series 3 Heavy Duty for Metal Gates (2 side legs) – Black Trim	Metal	Metal
TCHD1AL2S3CT	TruClose Series 3 Heavy Duty for Metal Gates (2 side legs) – Chrome Trim	Metal	Metal
TCHD1AL2S3ST	TruClose Series 3 Heavy Duty for Metal Gates (2 side legs) – Brushed Trim	Metal	Metal
TCHD1AL2S3WT	TruClose Series 3 Heavy Duty for Metal Gates (2 side legs) – White Trim	Metal	Metal
TCHD1S3BT	TruClose Series 3 Heavy Duty for v Gates – Black Trim	Metal/Vinyl/Wood	Metal/Vinyl/Wood
TCHD1L2S3BT	TruClose Series 3 Heavy Duty for Metal/Vinyl/Wood Gates (2 side legs) – Black Trim	Metal/Vinyl/Wood	Metal/Vinyl/Wood
TCHD2L1SS3BT	TruClose Series 3 Heavy Duty for Vinyl/Wood Gates (1 side leg) – Black Trim	Vinyl/Wood	Vinyl/Wood
TCHD2L2S3BT	TruClose Series 3 Heavy Duty for Vinyl/Wood Gates (2 side legs) – Black Trim	Vinyl/Wood	Vinyl/Wood

### 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>
AS1926-1 2012 – Swimming pool safety Part 1: Safety barriers for swimming pools.	Tests to AS1926-1 2012: Durability, Strength and Rigidity, Closing and Latching and Security of Closure of Gate Units.
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.

Clause 3.6 – Durability of a Gate Unit and Appendix F: Swimming pool safety Part 1: Safety barriers for swimming pools (AS1926-1 2012).

Clause 3.5 – Strength and Rigidity of a Gate Unit and Appendix E: Swimming pool safety Part 1: Safety barriers for swimming pools (AS1926-1 2012).

Clause 3.4 – Closing and Latching of Gates: Swimming pool safety Part 1: Safety barriers for swimming pools (AS1926-1 2012).

Clause 2.4.1.3 – Security of Closure: Swimming pool safety Part 1: Safety barriers for swimming pools (AS1926-1 2012).

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

- Suitable for gates weighing 70kg with dimensions of 1,800mm H x 1,200mm W.
- TCHD1AS3RB is supplied with a safety cap. Safety cap to be installed on the lower hinge (optional). Always confirm local fence / barrier regulations before installation.
- Pool Gates: Observe the following:
  - TruClose Series 3 Heavy Duty Self-Closing Hinges listed in this document must be paired with suitable self-latching devices for the gate.
  - The top of the hinge barrel and adjuster 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.
- TCHD1AS3RB is supplied with a safety cap. Safety cap to be installed on the lower hinge (optional). Always confirm local fence / barrier regulations before installation.
- Pool Gates: Observe the following:
  - TruClose Series 3 Heavy Duty Self-Closing Hinges listed in this document must be paired with suitable self-latching devices for the gate.
  - The top of the hinge barrel and adjuster 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 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 tension adjustment, ensure each hinge always have equal tension 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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