

Building Product Information Sheet

D&D Technologies®

Generic Model: TruClose Series 3

Type: Heavy Duty Round Post Self-Closing Spring Hinges

Part of ASSA ABLOY

1. Unique identification code of the product-type:

Brand	D&D Technologies
Model(s)	TruClose Round 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
TCHDRND1S3	736494012402	TruClose Round Series 3 Heavy Duty for Round Post Metal Gates	Batch or mass-produced products	Class 1
TCHDRND2S3	736494012419	TruClose Round Series 3 Heavy Duty for Round Post Metal Gates	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 Round Post 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.
- Supplied with round post shims to suit various post diameters – 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.
- Gate Gap– refer to table below.

Part Number / identifier: TCHDRND1S3			
Diameter Fitments			
Gate Diameter	Fence Diameter	Distance between Gate and Fence	Gate Gap
35mm	48 – 51mm	67mm	Fixed at 25mm
	60mm	72mm	
	73mm	78mm	
41mm	48 – 51mm	70mm	
	60mm	75mm	
	73mm	80mm	

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Part Number / identifier: TCHDRND1S3 Round Post shim fitments	
Post Size	Shim type
Fence post diameter 48 – 51mm	Use shim marked 2"
Fence post diameter 60mm	Use shim marked 2-3/8"
Fence post diameter 73mm	Use shim marked 2-7/8"
Gate frame diameter 35mm	Use shim marked 1-3/8"
Gate frame diameter 41mm	Use shim marked 1-5/8"

Part Number / identifier: TCHDRND2S3 Diameter Fitments			
Gate Diameter	Fence Diameter	Distance between Gate and Fence	Gate Gap
48 – 51mm	48 – 51mm	75mm	Fixed at 25mm
	73mm	86mm	

Part Number / identifier: TCHDRND2S3 Round Post shim fitments	
Post Size	Shim type
Fence post diameter 48 – 51mm	Use shim marked 2"
Fence post diameter 73mm	Use shim marked 2-7/8"
Gate frame diameter 48 – 51mm	Use shim marked 2"

Applications:

- Gates weighing 70kg with dimensions of 1,800mm H x 1,200mm W.
- Residential Gates.
- Light Commercial Gates.
- Gate material and fencing material – round post metal fencing and chain link fencing.

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)

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

8. Limitations on the use of the building product:

- Suitable for gates weighing up to 70kg with dimensions of 1,800mm H x 1,200mm W.
- Round post metal fencing and chain link fencing

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

10. Installation requirements

- Refer to supplied fitting instructions.

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 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.
 2. 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.
 3. 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

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N/A

13. Date

Date of document completion (day/month/year)

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