

# TRU-CLOSE®

ADJUSTABLE, SELF-CLOSING GATE HINGES

## INSTALLATION INSTRUCTIONS

for most "TCA" and "TCHD" models

Congratulations on your purchase of D&D Technologies' Tru-Close® self-closing, tension adjustable gate hinges. We are confident that these hinges will provide you with a lifetime of

reliable gate closure (see limited Lifetime Warranty below). Enclosed in this package is a tension-adjustment sticker that you can place on your gate or keep in a drawer for future reference.

**Tools required:** Electric or cordless drill with #2 Phillips-head driver, Phillips head #2 hand screwdriver, large slot-head hand screwdriver. For "TCA" models, use 10 gauge screws (pre-drill with  $\frac{5}{32}$ " [4mm] drill bit). Use 12-gauge screws for all "TCHD" models (pre-drill with  $\frac{11}{64}$ " [4.5mm] drill bit).

Hinge RANGE	Maximum Self-Closing Weight	Maximum Gate Dimensions
REGULAR RANGE	55lb (25kg) per pair	*5'Hx3'W (1524x915mm)
HEAVY DUTY RANGE	132lb (60kg) per pair	*6'Hx4'W (1830x1220mm)

*\*Always space the hinges as far apart from each other as possible for maximum holding strength.*

### Maintenance Requirements

**Note:** The hinges will operate properly, and warranty is valid, only if installed in accordance with the instructions and specifications shown herein.

- Use only two (2) Tru-Close hinges on any one gate.
- Remove all other types of hinges and self-closing devices.
- Each hinge must have equal tension at all times.
- Ensure the gate does not swing through the line of the fence. Use a "gate stop" or a latch (with striker) to prevent this.
- Do not lubricate these hinges with petroleum-based lubricants at any time. Use only powdered graphite.
- Ensure the hinges are kept free of sand, ice and other debris that could impair effective operation.
- Do not disassemble these hinges at any time.
- Do not paint or apply an additional finish to the hinges.
- Never remove hinges from gate until spring tension is released.
- Do not physically cut, drill, countersink, machine or grind any part of the hinge leaves.
- For safety, remove protruding bolts/screws after installation by cutting, grinding and/or filing.

### INSTALLATION PROCEDURE

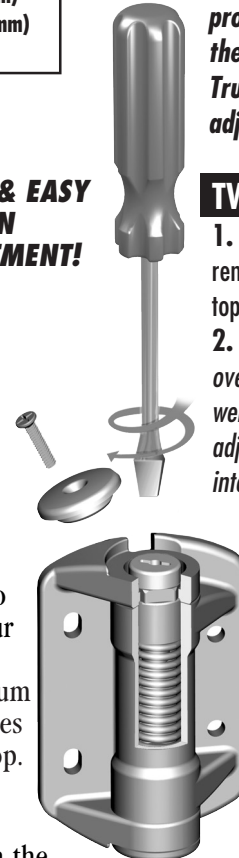
1. Where possible, the "adjustable" end of the hinge should be pointed upwards to allow for easy tension adjustment. This may determine the direction in which your gate will swing. Determine the location of the hinges on the gate and fence post. Remember to space the hinges as far apart from each other as possible for maximum holding strength. A "GATE STOP" MUST BE INSTALLED to prevent the gate/hinges closing back through the line of the fence - do not operate gate without a gate stop.
2. Install the hinges using the screws provided. If screws were not supplied with your hinge model, consult your local hardware expert for the proper fasteners. Do not use countersinking screws/bolts and do not countersink the screw holes on the hinges. **Ensure the gate and hinges are level at all times.**
3. Once hinges have been installed, close the gate. Follow the tension adjustment procedure (shown at right). For optimal, long-lasting performance, each hinge must have equal tension at all times. After adjusting tension, replace the endcaps using a #2 Phillips heads screwdriver.
4. Replace endcaps. Hand-tighten the end-cap screws; do not use screw gun. The gate is now ready for use. Check tension regularly, adjusting as required to ensure reliable gate closure.

**NOTE:** This adjustment procedure represents the procedure for all Tru-Close tension-adjustable hinges

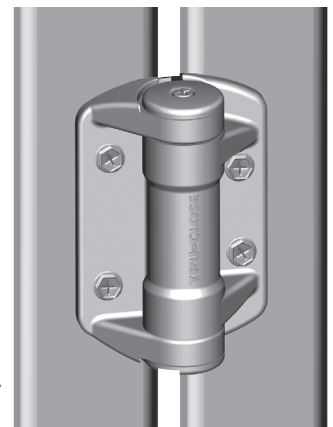
### QUICK & EASY TENSION ADJUSTMENT!

### TWO EASY STEPS

1. Use Phillips screwdriver to remove screw & endcap from the top of hinge.
2. **Important:** For heavier gates over 33lb (15kg), support the weight of the gate during tension adjustment to ensure the hinge's internal adjuster rises back into position.

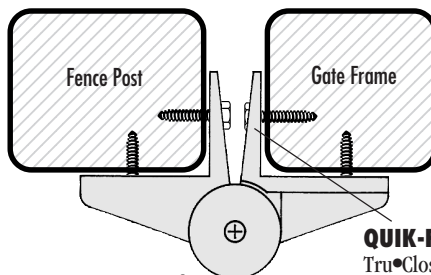


Using a large slot-head screwdriver, depress and rotate the spring-loaded adjuster as shown, allowing the adjuster to rise back into the desired location within the hexagonally shaped sleeve. Ensure equal tension in both hinges.



### Fitting Option (hinges with "legs")

(For "L" coded models only)



**NOTE:** If necessary, drill all fixing holes along molded channels in "leg". Do not countersink. Fasteners shown here are indicative only; obtain fasteners appropriate for fencing materials used.

### QUICK-FIT ALIGNMENT LEG/S

Tru-Close's "Alignment Leg" models provide the added strength of double face-fixing. Models with two legs require a  $\frac{3}{4}$ " (19mm) gate gap.



D&D Technologies

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### WARRANTY & LIMITATION OF LIABILITY

D&D Technologies' ("D&D") products are warranted to be free of defects in materials and workmanship to the original purchaser for as long as he/she owns the product. This product will operate properly, and warranty is valid, only if installed in accordance with the instructions and specifications shown. If a structural defect appears, the original purchaser may return the item, freight prepaid, together with proof of purchase to D&D or its approved international agents. D&D or its agent will, at their discretion, repair or replace the defective item or part without charge to the purchaser. THIS WARRANTY SHALL NOT APPLY WHEN the product has been tampered with, when repairs or attempted repairs have been made by unauthorized persons, where the item has been subjected to misuse, abuse, accident or damage in transit, or where the installer has not followed the instructions set out during installation, operations, or Maintenance Requirements. IN NO EVENT SHALL THE COMPANY BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES. No warranty is given other than that set out above. No other express or implied warranties (including statutory warranties) apply, other than warranties which may not be legally excluded.

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