



## ADJUSTABLE SPRING POWER - OVERHEAD CONCEALED CLOSER

# D500-HD SERIES

Grade 1 • Medium to Extra Heavy Spring Tension



CERTIFIED GRADE 1  
ANSI 156.4



10 YEAR WARRANTY

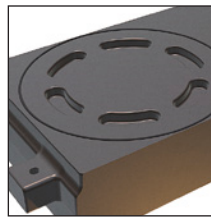


## FEATURES

- I.D.C. provides **LEAK-FREE guaranteed performance** under the most demanding conditions.
  1. Steel spring cap is now on top of closer body utilizing a new high performance O-Ring and epoxy sealed threads for double protection.
  2. New automotive type heavy duty spindle seal replacing old standard O-ring technology.
  3. All three adjustment valves now with two high performance O-rings for double protection.
  4. Steel end caps incorporating new high performance O-rings and also epoxy sealed threads for double protection.
  5. Adjustable back check after 80° to prevent the door from slamming open.
- **Certified ANSI 156.4 Grade 1**
- **D500-HD multi-size closer for MEDIUM, HEAVY and EXTRA HEAVY.** Spring Tension, fully adjustable after installation.

- Underwriters' Laboratories Inc. Fire Endurance Tested, conforming to UL10C and UBC7.2 (1997) for Fire Safety.
- UL/C-UL Listed. UL 10B and UL 10C Compliant for positive pressure. Certified to conform to UBC 7-2 (1997, UL 228)
- Built-in positive back stop and hold-open positions available:
  - 105° Back Stop with Hold-Open
  - 105° Back Stop - no Hold-Open
  - 90° Back Stop with Hold-Open
  - 90° Back Stop - no Hold-Open
- Suitable for both Center Hung (Double or Single Acting) and Offset Doors.
- Three control valves: Closing speed, latching speed and back check, fully adjustable after installation.
- Fits in an aluminum header or transom bar as small as 1 3/4" x 4".
- Stable hydraulic door check fluid for any climatic operation and constant lubrication.
- Optional 3/4" Spindle Available.

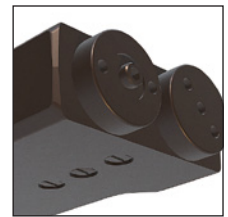
## NEW IMPROVED FEATURES



1) Steel spring cap is now on top of closer body utilizing a new high performance O-Ring and epoxy sealed threads for double protection.



2) New automotive type heavy duty spindle seal replacing old standard O-ring technology.



3) All three adjustment valves now with two high performance O-rings for double protection.

4) Now with steel end caps incorporating new high performance O-rings and epoxy sealed threads for double protection.

5) Adjustable back check after 80° to prevent the door from slamming open.



[View 3D Model Online](#)

**Center Hung Doors:** Complete units for aluminum doors and frames are furnished with top arm assembly (adjustable 'S' side loading, "A" end loading, "K" end loading or "PT" end loading), adjustable dual purpose 3010-DP bottom pivot set for floor or threshold mounting (side or end loading) and 3010-FS anchor set with all fasteners.

"S" type side loading, "A" type, "K" type, or "PT" type end loading top arms are available for center pivoted applications.

"A" type, "K" type or "PT" type end loading and "JO" or "VO" type offset arms are optional, but must be specified.

"G" and "GE" type pivot sets are available, but must be ordered separately.

**Offset Hung Doors:** Complete units for offset pivoted or butt hinged aluminum doors and frames are furnished with a "JO" or "VO" type offset arm and 3010-FS anchor set with all fasteners.

3010-DP dual purpose radial ball bearing bottom pivot set is standard for floor or threshold center pivoted installation. Optional 3010-GE bottom pivot sets

**International Door Closers, Inc.**

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**West: 800-544-4422 • East: 800-225-6737**












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## SCHEDULE OF MODELS AND TYPES

<b>NOTE:</b> Doors of varying sizes, or of excessive weight, or doors subject to severe wind or draft conditions, or abusive usage, refer to Series D200 Overhead Concealed Closers.  <b>SPECIFY:</b> Closer Model Number and Type of Top Arm, Anchor and/or Pivot Set.  <b>SPECIFY FINISH:</b> For 3010-JO or 3020-VO Arms AL - Satin Aluminum DU - Storefront Bronze	TYPE	MODEL NO.
	105° Back Stop with Hold-Open	D510-HD
	105° Back Stop - no Hold-Open	D511-HD
	90° Back Stop with Hold-Open	D512-HD
90° Back Stop - no Hold-Open	D513-HD	
	3/4" SPINDLE	MODEL NO.
105° Back Stop with Hold-Open	D510-HD-20-A-DP	
105° Back Stop - no Hold-Open	D511-HD-20-A-DP	

## PARTS AND ACCESSORIES

## PART NO.

	Unit Body (Specify: Spring Tension & degree of Back Stop & Hold open)	D5000-HD-B	
	"S" Type Adjustable Side Loading Top Arm Assembly (1/2" Depth Top Rail)	3010-S	
	"A" Type End Loading Top Arm Assembly (1" Depth Top Rail)	3010-A	
	"K" Type End Loading Top Arm Assembly (5/8" Depth Top Rail)	3010-K	
	"PT" Type End Loading Top Arm Assembly (7/8" Depth Top Rail)	3010-PT	
	"JO" Type Offset Top Arm Assembly Mortised Type (9/16" Depth Top Rail)	Painted Arm -Aluminum Storefront Bronze	3010-JO x AL 3010-JO x DU
	"VO" Type Offset Top Arm Assembly Surface Type (7/8" Depth Top Rail)	Painted Arm -Aluminum Storefront Bronze	3020-VO x AL 3020-VO x DU
	Anchor Set (Standard)	3010-FSP	
	Adjustable Dual Purpose Bottom Pivot Set (Standard)	3010-DP	
	Adjustable Floor Mount Bottom Pivot Set (Optional)	3010-G	
	Adjustable Threshold Mount Bottom Pivot Set (Optional)	3010-GE	