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Exploded Diagram
Grade 1 Standard Duty Door Closer

DC61 Series Door Closer Cross Reference Chart

1. Pinion Cap
2. Closer Body
3. Pinion Arm Screw
4. Main Arm
5. Arm Pin
6. Pivot Bushing
7. Pivot Screw
8. Round Adjustable Arm
9. Adjustable Arm Bolt
10. Arm Bolt Lock Nut
11. Regular Shoe Plate
12. Bushing
13. Reg / PA Screw

INOX® DC6126/6114 Door Closer
CROSS REFERENCES

<table>
<thead>
<tr>
<th>NORTON</th>
<th>DORMA</th>
<th>LCN</th>
<th>CAL-ROYAL</th>
<th>HAGER</th>
<th>SARGENT</th>
<th>DOR-O-MATIC</th>
<th>PARKER</th>
<th>YALE</th>
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ANSI CODE REFERENCES

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<th>ANSI No. Grade 1</th>
<th>Function (Surface Closers - Modern Type, with Cover)</th>
<th>INOX® Closer</th>
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<tr>
<td>C02011/C32011</td>
<td>Regular Mounting</td>
<td>DC6126/6114SLC</td>
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<td>C02021/C32021</td>
<td>Parallel Arm Mounting</td>
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<td>C02041/C32041</td>
<td>Top Jamb Mounting</td>
<td>DC6126/6114SLC</td>
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<th>Function (Surface Closers - Modern Type, No Cover)</th>
<th>INOX® Closer</th>
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<td>C03021/C33021</td>
<td>Parallel Arm Mounting</td>
<td>DC6126/6114LCV</td>
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<td>C03041/C33041</td>
<td>Top Jamb Mounting</td>
<td>DC6126/6114LCV</td>
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PT 4 Options A, B, C, D, E, F, H
# How to Order

## Product Identification

**DC61 26 HO -LCV -AL**

<table>
<thead>
<tr>
<th>Door Closer Series:</th>
<th>DC61 Series</th>
</tr>
</thead>
</table>
| Power Size:         | 26 = Power Size 2-6  
                     | 14 = Power Size 1-4 |
| Finish:             | -AL = US28 (689) Aluminum Painted  
                     | -DU = US20 (690) Duro/Dark Bronze Painted  
                     | -GD = Gold Painted |
| Cover:              | -LCV = Door Closer with Sleeve Arm, Less Cover (Standard)  
                     | -SLC = Door Closer with Standard Arm, Slim Plastic Cover |
| Function:           | Blank = Door Closer with Sleeve Arm, Less Cover (Standard)  
                     | HO = Door Closer with Friction Hold Open Arm  
                     | CUSH = Door Closer with Cush Arm  
                     | HCUSH = Door Closer with Hold Open Cush Arm  
                     | ST = Door Closer with Slide Track Arm*  
                     | STH = Door Closer with Slide Track Hold Open Arm* |

*Slide track arm is only available for AL finish*

## Accessory Product Identification

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
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<tr>
<td>DCCV61SLC</td>
<td>Plastic Slim Cover for DC61</td>
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<tr>
<td>DCAMHO</td>
<td>Friction Hold Open Arm for DC61 Series Door Closer</td>
</tr>
<tr>
<td>DCAMCUSH</td>
<td>Cush Arm for DC61 Series Door Closer</td>
</tr>
<tr>
<td>DCAMHCUSH</td>
<td>Hold Open Cush Arm for DC61 Series Door Closer</td>
</tr>
<tr>
<td>DCAMST</td>
<td>Slide Track Arm for DC61 Series Door Closer</td>
</tr>
<tr>
<td>DCAMSTH</td>
<td>Slide Track Hold Open Arm for DC61 Series Door Closer</td>
</tr>
<tr>
<td>DCDP61P1</td>
<td>Drop Plate for DC61 Series Door Closer Top Jamb, Narrow Drop Plate</td>
</tr>
<tr>
<td>DCDP61P2</td>
<td>Drop Plate for DC61 Series Door Closer Parallel Arm, Wide Drop Plate</td>
</tr>
<tr>
<td>DCBK</td>
<td>Parallel Arm Bracket for DC61</td>
</tr>
<tr>
<td>DCFP61</td>
<td>Standard Fixing Pack for DC61 Closor Body</td>
</tr>
<tr>
<td>DCFPBK</td>
<td>Standard Fixing Pack for Parallel Arm Bracket</td>
</tr>
<tr>
<td>DCFPSNB</td>
<td>Standard Sex Nuts and Bolts (SNB) Fixing Pack</td>
</tr>
</tbody>
</table>
DC6114/DC6126 Grade 1 Standard Duty Door Closer

Specifications
- DC6114: Adjustable Power Size: 1 Thru 4
- DC6126: Adjustable Power Size: 2 Thru 6
- One piece Aluminum Alloy Body
- Rack-and-Pinion Design
- Separate and independent, latch, sweep and back-check pressure valves
- DC6114 door closer meets ADA Barrier-Free requirements (adjustable power size 1 thru 4)
- Non-Handed
- Standard Closer comes Less Cover. Optional Slim Cover available by special order.
- Tri-packed
- 34mm (1-11/32") diameter piston
- 16mm (5/8") diameter pinion journals
- 66.7mm (2-5/8") projection, without cover
- All standard arm applications with or without cover will allow doors to swing 180°, conditions permitting

Options
- Hold Open Arm (DCAMHO), Cush Arm (DCAMCUSH), Hold Open Cush Arm (HCUSH)
- Slide Track (DCAMST): push or pull side mounting
- Slide Track Hold Open Arm (DCAMSTH)
- Drop Plates for Narrow Top Rail (DP)
- Slim Cover (DCCV61SLC)

Features
- Aluminum Alloy Body
  Closer bodies are cast of special aluminum alloy and machined to accommodate interactive steel components under operation conditions
- Rack & Pinion Operation
  Provides a smooth constant control of the door through its full opening and closing cycle. 180° door swing, can be achieved when door, frame, and/or arm do not interfere
- Non-Handed
  DC6126/DC6114 door closer is non-handed and can be installed on either right or left hand swing doors
- Sweep Speed Control Valve
  Allows adjustment of door speed from the doors 90° open position down to approximately 10° from the closed position
- Latch Speed Control Valve
  Allows adjustment of door latch speed from approximately 10° down to the door's fully closed position
- Tri-Packed
  DC61 Series come with self-tapping (SRT), sex nuts & bolts (SNB) and parallel arm (PA) bracket to allow for regular, top jamb, and parallel arm installations
- Adjustable Back-Check Valve
  Provides control of the door in the opening cycle, beginning at approximately 75° of door opening. Back check cushions the door opening when the door is forcibly opened beyond its preadjusted setting
- Multi-Sized Door Closer
  Adjustable through the power range of 1 through 4. DC6114 door closer also confirms to the opening force requirements of the ADA and ANSI/BHMA standard A117.1 for interior doors

Warranty
10 Year Warranty
DC61 SERIES DOOR CLOSER

**Application Chart**

Use 4mm Hex Wrench

<table>
<thead>
<tr>
<th>Door Closer Size</th>
<th>Full Turns of Power Adjusting Screw</th>
<th>Applicable Door Leaf Width</th>
<th>Applicable Door Weight</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>-6</td>
<td>32&quot; (0.81m) 28&quot; (0.71m)</td>
<td>33–66LBS (15–30kg)</td>
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<tr>
<td>2</td>
<td>-4</td>
<td>36&quot; (0.91m) 32&quot; (0.81m)</td>
<td>66–99LBS (30–45kg)</td>
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<tr>
<td>3</td>
<td>0 (PRE SET)</td>
<td>42&quot; (1.07m) 36&quot; (0.91m)</td>
<td>99–143LBS (45–55kg)</td>
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<tr>
<td>4</td>
<td>+5</td>
<td>48&quot; (1.22m) 42&quot; (1.07m)</td>
<td>143–187LBS (65–85kg)</td>
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<tr>
<td>5</td>
<td>+9</td>
<td>54&quot; (1.37m) 48&quot; (1.22m)</td>
<td>187–264LBS (85–120kg)</td>
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<tr>
<td>6</td>
<td>+12</td>
<td>58&quot; (1.47m) 54&quot; (1.37m)</td>
<td>264–330LBS (120–150kg)</td>
</tr>
</tbody>
</table>

The closing force for DC61 series door closers is adjustable from size 1 to size 4, as outlined in ANSI Standard A156.4. When this series of door closers are installed and adjusted to confirm to ADA reduced opening force requirements (5 lbs max.) for interior door, they may not have adequate closing force to reliably close and latch door. Power adjustments charted on this page are recommended where possible, to ensure proper door control.

**CAUTION!!**
Do not turn speed adjusting valve more than two (2) full turns counter-clockwise from its order; do not back the valves out of closer or a leak will result.
**Standard Arms**

- **Regular / Parallel Arm with PA Bracket**
  - Regular Non-handed arm with adjustable slider can be used for a wide range of frame conditions, can be mounted to hinge (pull) side, top jamb.
  - For Parallel arm, use parallel arm bracket to mount on stop of frame on (push) side of the door. Frame should be reinforced for parallel arm bracket.

**Optional Drop Plates – Narrow Top Rail**

- For use on doors with glass where the drop plates cover the back of the closer for a pleasing view from the front.
- Also used when the top rail is narrow preventing the closer to be mounted to surface of wood or metal.
- Correct installations will permit 180° Maximum Opening.
  Please see Drop Plate Installation Guide for detail applications.

**Optional Arms**

- **Hold Open Arm (DCAMHO)**
  Non-handed arm with adjustable round slide arm for a wide range of frame conditions. Open to desired range then tighten screw & lock nut and door will hold in that position every time until changed. For parallel mount use parallel arm bracket.

- **Cush Arm (DCAMCUSH)**
  Non-handed heavy duty forged arm with cushion stop, parallel arm mount. Must use frame reinforcement in stop to mount.

- **Hold Open Cush Arm (DCAMHCUSH)**
  (Optional) Non-handed heavy duty forged arm with cushion stop and hold open parallel arm mount. Handle controls the hold open function. Must use frame reinforcement in stop to mount.

- **Sliding Track (DCAMST)**
  Single lever (track) arm with a surface mounted closer designed for interior use on narrow head frames and top rails. Offers three mounting positions: Pull Side, Push Side and Top Jamb.

**Sliding Track Hold Open Arm (DCAMSTH)**

The Hold-Open options allows for hold-open points at 85°, 90°, 95°, 100°, 105° or 110° depending on clip location in track.

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**DCDP61P1**: Drop Plate for DC61 Series Door Closer Regular arm, narrow drop plate

**DCDP61P2**: Drop Plate for DC61 Series Door Closer Parallel arm, wide drop plate
## DC61 SERIES DOOR CLOSER

### Optional Covers
- Plastic Slim Cover

![Plastic Slim Cover](image)

**DCCV61SLC**

### Parallel Arm Bracket
- Parallel Arm Bracket

![Parallel Arm Bracket](image)

**DCBK**

### Fixing Packs
- Standard fixing pack for closer body

![Screws and Nuts](image)

**DCFP61**

- Standard fixing pack for parallel arm bracket

![Screws and Nuts](image)

**DCFPBK**

- Standard sex nuts and bolts (SNB) fixing pack

![Screws and Nuts](image)

**DCFPSNB**
Mounting Diagrams

- **Regular Mounting (Pull Side)**
  - Regular arm is the most common and strongest mounting option. Usually the closer is mounted on the door and the arm is mounted on the frame.

- **Top Jamb Mounting (Push Side)**
  - Closer body is mounted to the frame with the arm straight out. Ideal for exterior door installations. You must consider frame depth reveal. Extended arm may be required.

- **Parallel Arm Mounting (Push Side)**
  - Closer body on door with parallel bracket on stop of frame. Arm is parallel to the door and does not stick out. Parallel arm installations have 25% less power than regular pull side mounting.
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http://www.inoxproducts.com
for more technical and new product information.