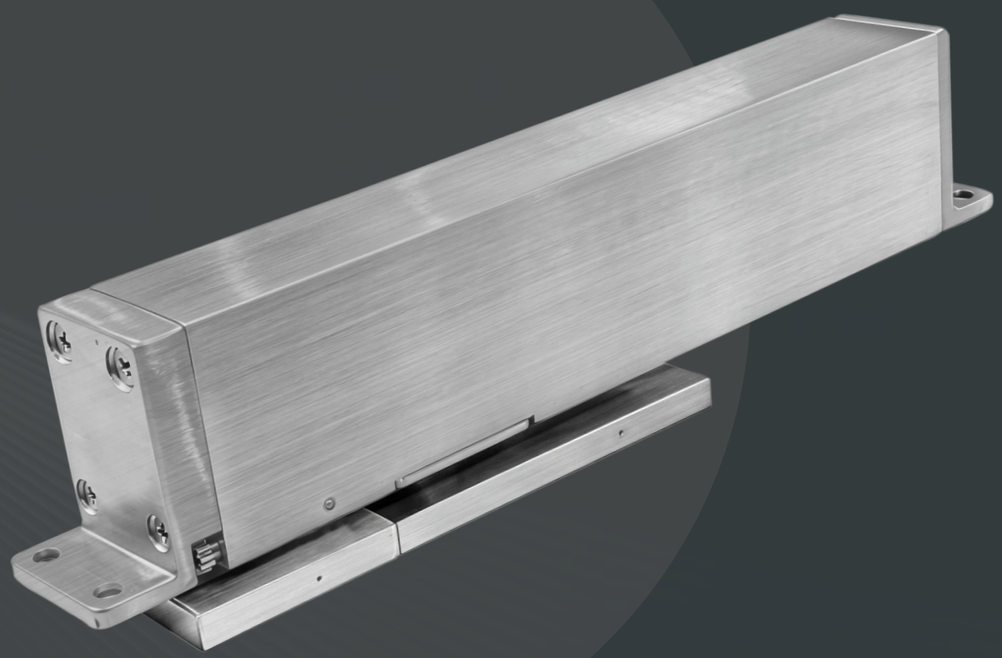
D-1068

Heavy-duty Hydraulic Pivot Door Closer



Two adjustment valves

Forged bearing-steel cam

90-degree hold-open

Technical Specifications & Features

Model	D-1068.200	D-1068.300
Main body material	No. 45 steel	No. 45 steel
Double-action opening / closing	Yes	Yes
Max. width: pivot axis to far door edge	<=1350 mm	<=1500 mm
Minimum door thickness	>=60 mm	>=60 mm
Maximum door weight	200 kg	300 kg
Maximum opening angle	125 degrees	125 degrees
90-degree hold-open	Yes	Yes
Two-stage closing-speed adjustment	Yes	Yes
Closing force size	EN6	EN7

Source legend: solid circle = applicable; hollow circle = not applicable; square = optional.
Fatigue test: 500,000 cycles (as stated in the source).

Forged bearing-steel cam spindle

For pivot timber or metal doors >=60 mm thick

Two-stage valve control

90-degree hold-open; final closing force

High-strength steel body
Extra-heavy load capacity



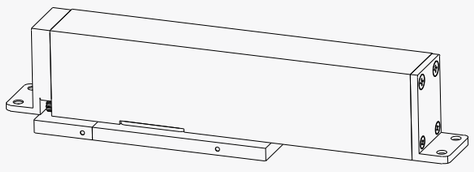
Stable and secure
Clean look; easy installation

Solid cam spindle
Sealed design; water and rust resistance



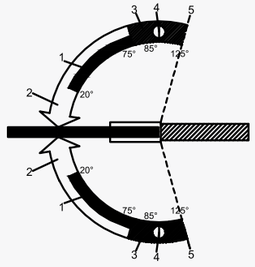
No floor recess required
Base adjusted with hex screws

Product Drawing



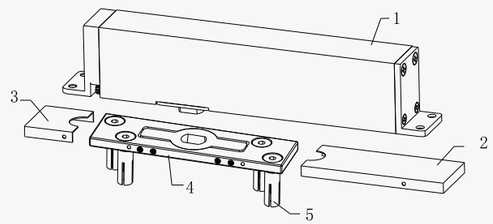
Body dimensions (mm)
40 x 60 x 310

Operating Angles



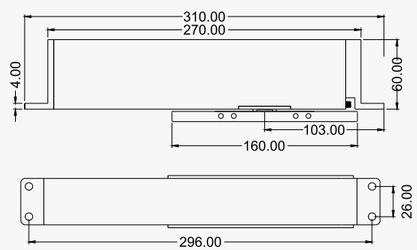
1. Closing range: 75 to 20 degrees (valve 1).
2. Closing range: 75 to 0 degrees (valve 2).
3. Closing range: 85 to 75 degrees (not adjustable).
4. Hold-open angle: 90 degrees.
5. Maximum opening: 125 degrees.

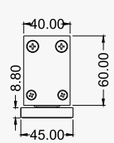
Exploded View



1. Hydraulic body x 1
2. Long cover x 1
3. Short cover x 1
4. Load-bearing base x 1
5. Fixing screws x 4

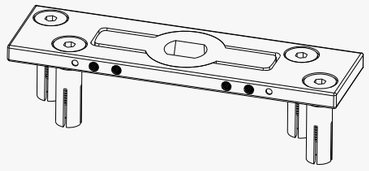
Dimensions





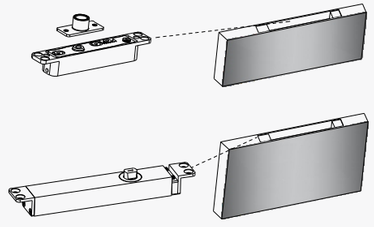
Unit: mm

Installation - Step 1



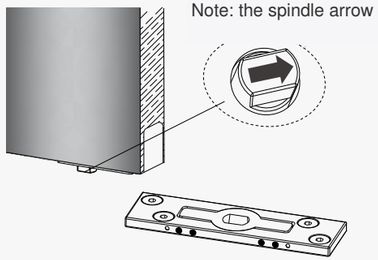
Mark the installation position using a laser level and drill the holes. Tighten the base screws. Cut the door recess to suit the drawing and actual unit. Recheck the side, top and bottom clearances.

Installation - Step 2



Secure the hydraulic body and upper assembly to the door leaf; fit the top pivot to the frame. Retract the top pin and turn the hydraulic spindle to 90 degrees. Install with the door open at 90 degrees.

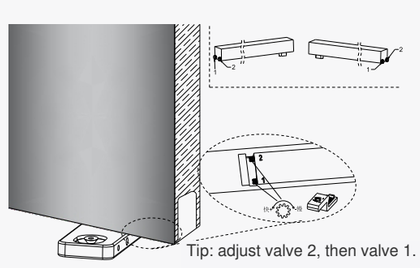
Installation - Step 3



Note: the spindle arrow must point toward the adjustment valves (oil needles).

Support the door on spacer blocks. Tilt it slightly, align the spindle with the base and engage it. Set the door upright and use a hex key to extend and lock the top pin into its receiver. Ensure at least 12 mm of pin engagement.

Installation - Step 4

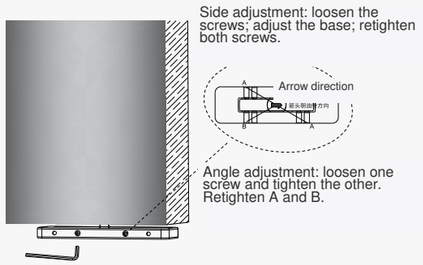


Identify valves 1 and 2 relative to the pivot axis as shown. Factory closing time: 6-8 seconds. Adjust by about two clock-face minute marks at a time until the desired speed is reached.

Open and close the door to check hydraulic closing speed. Follow the valve guide and set a speed appropriate to the installation.

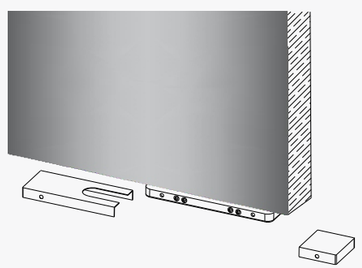
Tip: adjust valve 2, then valve 1.

Installation - Step 5



Check the door alignment at its closed position. Adjust the return-to-zero angle to align the door leaf with the opening and suit site conditions.

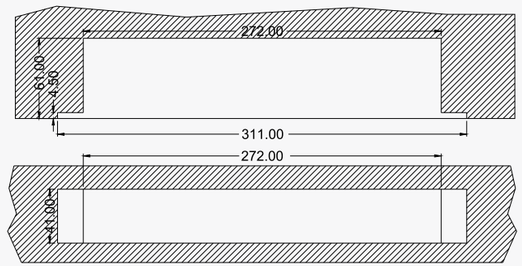
Installation - Step 6



Operate the door repeatedly and check for smooth movement. Check that all screws are tight. Once secure, fit the decorative covers. Installation is complete.

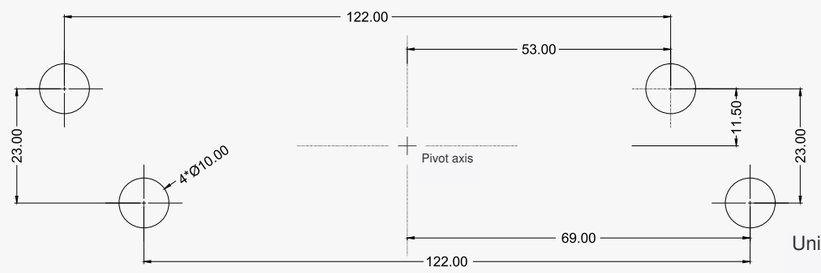


Door Recess



Unit: mm

Base Drilling Pattern



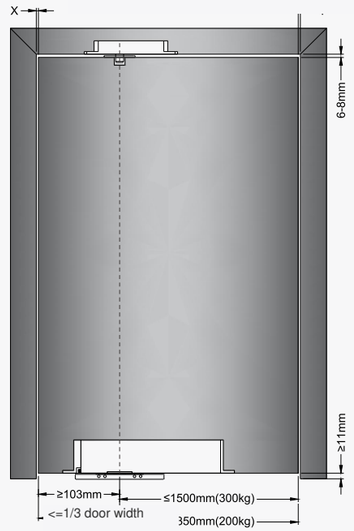
Unit: mm

Door Clearance & Pivot Position

Top pivot in door leaf

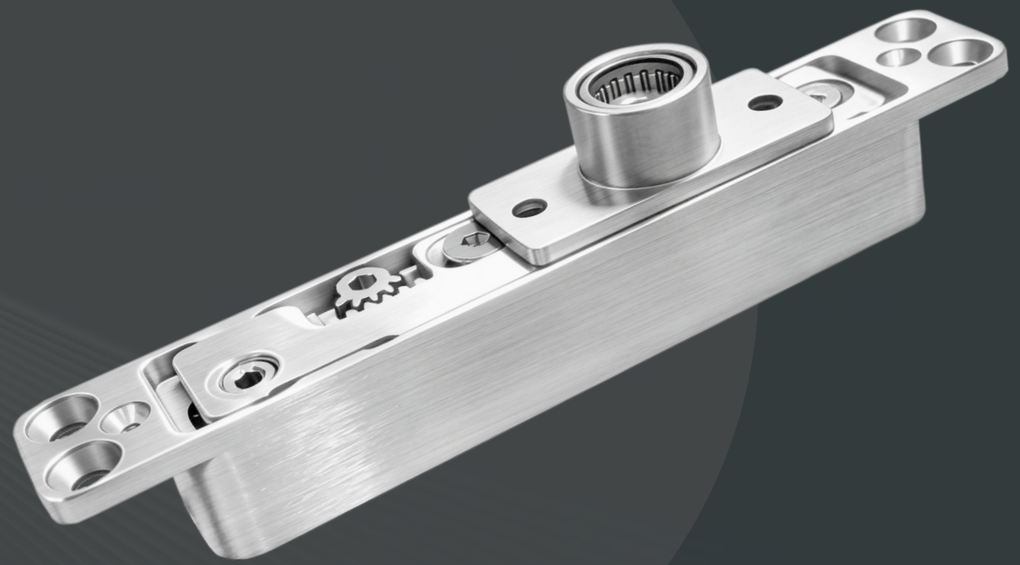


Top pivot in door frame



D-3019

Adjustable Top Pivot

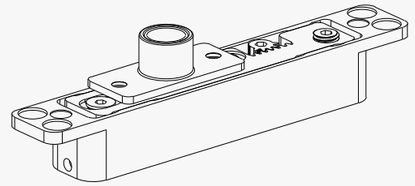


Adjustable design

High-strength stainless steel

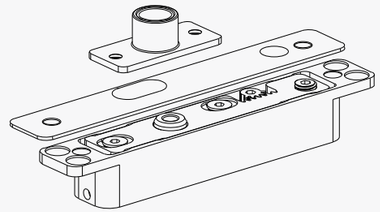
Concealed; wiring hole provided

Product Drawing



Body dimensions (mm)
28 x 26 x 180

Exploded View

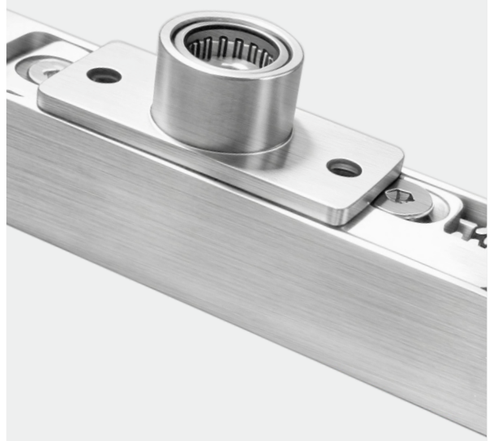


Outlines, structural details and dimension lines are schematic. Refer to the actual product for final dimensions.

304 Stainless Steel

For framed center-pivot or offset-pivot doors with a thickness of at least 38 mm.

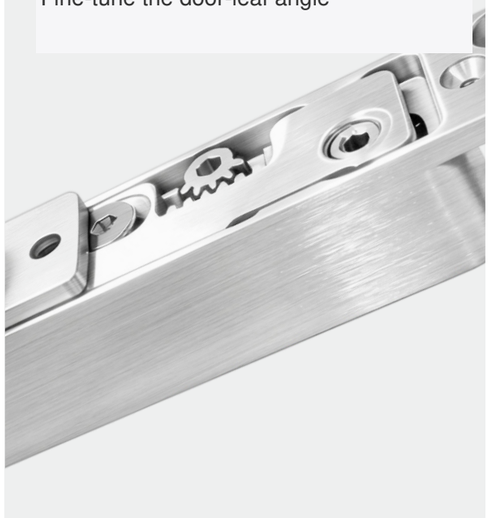
Brushed stainless steel
Corrosion and rust resistance



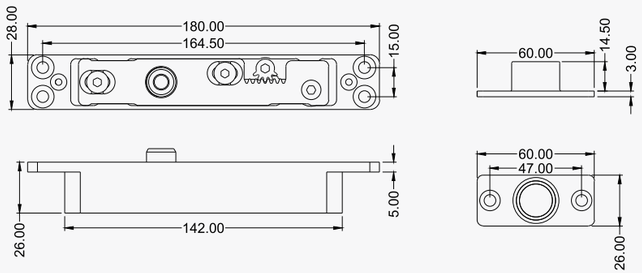
Adjustable Door Alignment

Adjust the top pivot for a neat door fit.

Adjustable design
Fine-tune the door-leaf angle

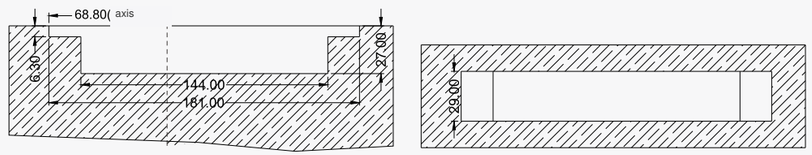


Dimensions



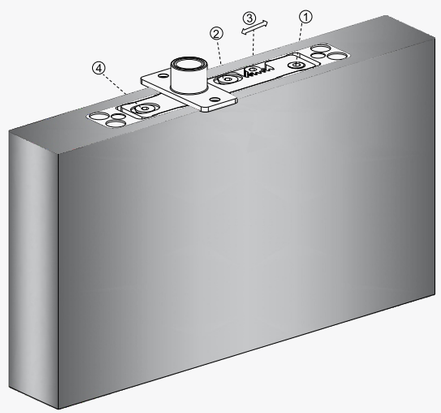
Unit: mm

Door Recess



Unit: mm

Adjustment Procedure



VERTICAL ADJUSTMENT
1. Secure the pivot sleeve to the frame with screws and the upper assembly to the door leaf. Open the door to 90 degrees, tilt it into the bottom base and set it upright. Extend the retractable pin so that it engages the upper receiver by at least 12 mm for safe operation.

LATERAL ADJUSTMENT
1. Secure and support the open door. To adjust the side gaps, loosen the two hex screws shown.
2. Use a hex key to turn the gear left or right until both side gaps are correct.
3. Tighten both hex screws, then fit the decorative cover.

PRODUCT NOTES
Stainless steel construction. Can be fitted upright or inverted. Retractable pin diameter: 15 mm. Suitable for heavy doors.