

NHN[®]
DOOR CLOSER 30



CERTIFIRE
APPROVED
No CF 159

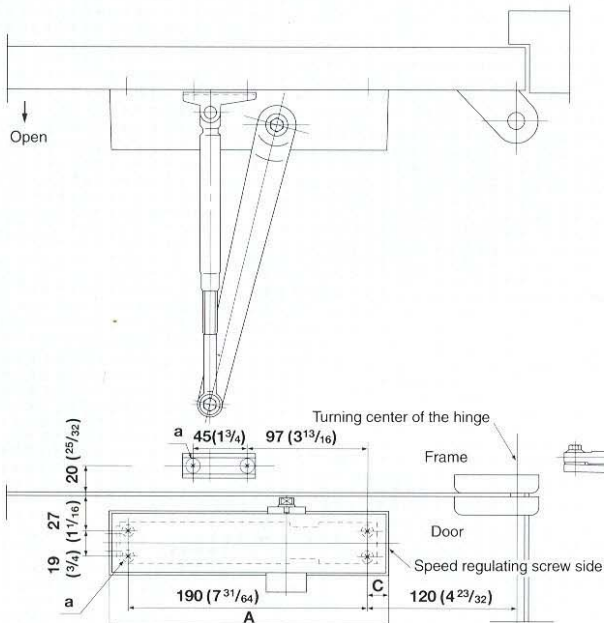
FEATURES

- Three valve system: Three independent valves to regulate and control closing speed in 180° — 25° / 25° — 3° / 3° — 0°.
- Attractive outlook by concealed bracket-mounting, eliminating exposed screws.
- Slim closer projection (48mm minimum).
- High quality extruded aluminium closer-body, eliminating oil-leaking problem associated with cast aluminium closer body.

SELECTION CHART

Approximate Width and Weight of Door				For Regular and Top Jamb Installation				For Parallel Arm Installation		Bracket
Width		Weight		Regular	Back-check	Delayed	Hold Open	Parallel	Parallel Hold Open	Soffit Bracket Drop Plate
mm	inch	kg	lbs							
800 × 1,800	31 × 71	15 ~ 40	33 ~ 88	31	1031	31H	131	31P	131P	31
900 × 2,100	35 × 83	25 ~ 45	55 ~ 99	32	1032	32H	132	32P	132P	32
1,000 × 2,100	39 × 83	40 ~ 65	88 ~ 143	33	1033	33H	133	33P	133P	33
1,050 × 2,400	41 × 95	55 ~ 85	121 ~ 187	34	1034	34H	134	34P	134P	34
1,200 × 2,400	47 × 95	80 ~ 120	176 ~ 264	35	1035	35H	135	35P	135P	35
1,500 × 2,700	59 × 106	100 ~ 140	220 ~ 300	36	1036	36H	136	36P	136P	36

Non Hold-Open Regular Arm Application

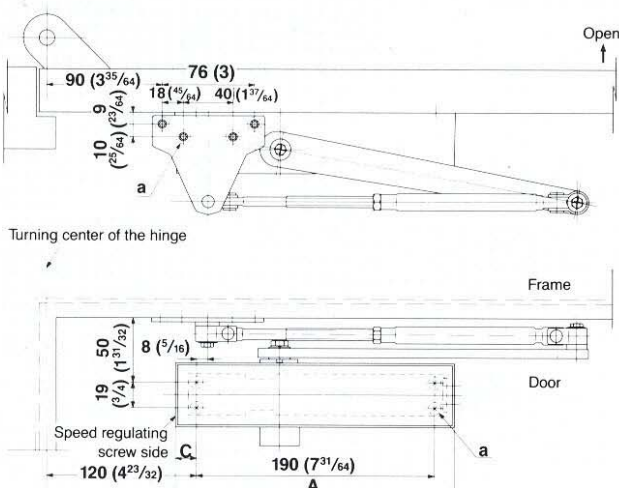


Dimension Chart

TYPE	Unit	A	B	C	D	Diameter of hole a
31	mm	222	48	17	49	5.5
32	inch	8 47/64	1 57/64	43/64	1 15/16	7/32
33	mm	258	56	28	52	5.5
34	inch	10 5/32	2 13/64	1 7/64	2 3/64	7/32
35	mm	258	56	28	52	5.5
36	inch	10 5/32	2 13/64	1 7/64	2 3/64	7/32

With No. 36, the maximum door opening angle is 120°.

Non Hold-Open Parallel Arm Application



Dimension Chart

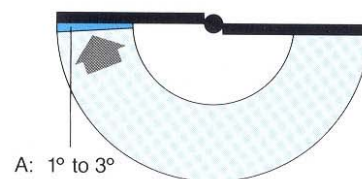
TYPE	Unit	A	B	C	D	E	Diameter of hole a
31P	mm	222	48	17	77	49	5.5
32P	inch	8 47/64	1 57/64	43/64	3 1/32	1 15/16	7/32
33P	mm	258	56	28	90	52	5.5
34P	inch	10 5/32	2 13/64	1 7/64	3 35/64	2 3/64	7/32
35P	mm	258	56	28	90	52	5.5
36P	inch	10 5/32	2 13/64	1 7/64	3 35/64	2 3/64	7/32

- Fully reversible.
- Also available with backcheck or delayed-closing functions.
- Four (4) standard finishes: Silver (No. 005), Ivory (No. 002), Brown (No. 011) and Black (No. 014).
- Special paint finish is available upon request and discussion.

Latching function (standard)



This function increases the door closing speed over the last 1° to 3° before the fully closed position, to ensure rapid and complete door closure. It is very useful with air-tight doors or doors with strong latches. The latching angle can be adjusted by the No. 3 speed adjusting valve.



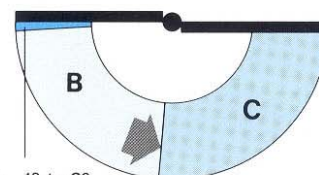
A: 1° to 3°

A: Latching section

Back check function (optional)



If a gust of wind or similar hits the door in the opening direction, it can damage the wall or cause injury. The back check function works within the door opening range of 70° — 85° to 180° to prevent this. The back check power can be adjusted with the back check valve.



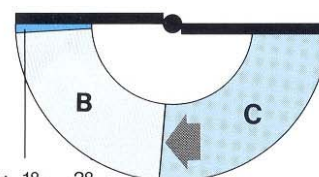
A: 1° to 3°
70° — 85°

A: Latching section
B: No. 1 and No. 2 door closing sections
C: Back check section

Delayed door closing function (optional)

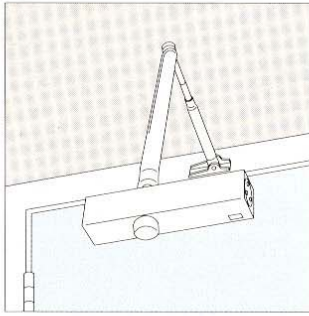


With this function, the door can be hold-opened 2 — 10 seconds (adjustable) and then closes normally. This delayed-closing time, operative between 85° and 180°, facilitate passage by physically handicapped people, wheelchairs etc.



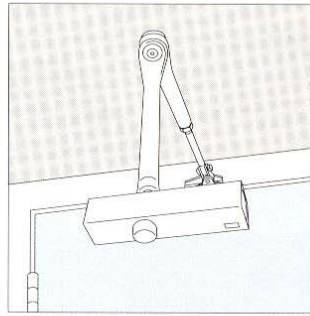
A: 1° — 3°
85°

A: Latching section
B: No. 1 and No. 2 door closing sections
C: Delayed door closing section



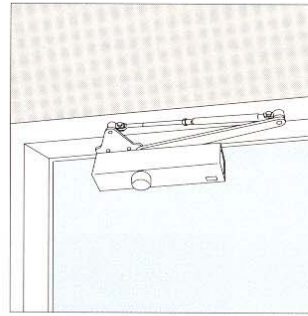
Non Hold-Open Regular Arm Application

This is the standard application where the closer is fitted to the door on the opening face and is generally used on internal doors. The closer is fully reversible.



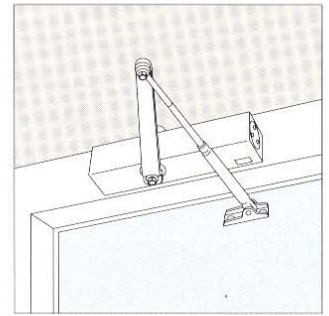
Hold-Open Regular Arm Application

For use in similar locations to the regular arm, the hold-open arm is fitted with a unique cam hold-open device which is easily adjustable to allow the door to be held open in any position up to 135°. It can be engaged or disengaged with little effort. When needed, the fusible link can be used in conjunction with the hold-open device. It is easily installed and is used on fire doors to retard the spread of fire and smoke.



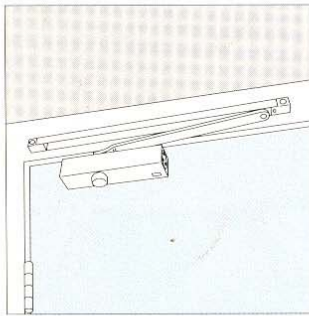
Non Hold-Open Parallel Arm Application

The parallel arm application is fitted to the closing face of the door and can be used where top jamb application is impractical or a drop plate is not suitable. Parallel arm application should also be used when the reveal is deeper than 70mm (2 3/4") or where the closer arm is required not to project into the room. It is recommended that a door closer one size greater than the equivalent regular arm is used.



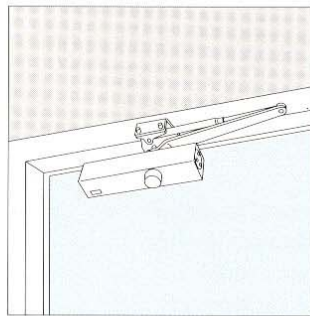
Non Hold-Open Top Jamb Application

This application is suitable for both the regular and hold-open arm models and is fully reversible. The narrow design of the 30 series — 47mm (1-27/32") — is ideally suited to top jamb application. This allows the closer to be fitted on the inside of an external outward-opening door, thus protecting the closer from the weather. With the optional longer link, the dimension of (Z) becomes to 140mm.



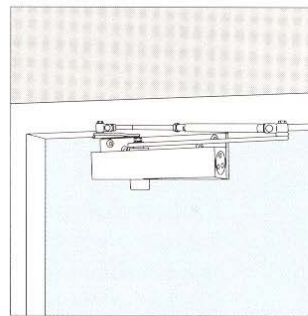
Non Hold-Open Sliding Arm

The door closer body projects only slightly from the door frame; this is very convenient for room designing.



Conversion Bracket Application

It is possible to install the regular closer in the parallel manner by employing the conversion bracket. Note that in this application the speed regulating valves face in the opposite direction compared to the one in the regular application (toward the door knob).



Drop Plate Application

A special drop plate is available for use where the top band of the door is not broad enough to mount all four screws securely.

All specifications are subject to change without prior notice.
NHN is a registered brandname of DAIHATSU DIESEL MFG. CO., LTD.

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