



## Door Closer

NSK600 series

**king**  
ASSA ABLOY

ASSA ABLOY, the global leader in  
door opening solutions

# NSK600 series Door Closer

## Overview

### Features

- Aluminum Alloy Body
- Standard, separate and independent, latch and sweep and back-check intensity valve
- Non-handed
- Fixed size or power adjustable 1~4 or 2~5
- Rack-and-pinion design
- All standard arm applications (with cover) allow doors to swing 180 degrees, conditions permitting.


### Optional Features

- Built in hold-open function.
- Plastic cover
- For size 4,5 and adjustable size
- Back-Check
- Tri-packed

### Color Available

- AL : Aluminum
- BZ : Hardware Bronze (Gold)
- DU : Storefront Bronze

### Compliance Standards

- ANSI/BHMA A156.4, Grade1 certified 
- UL listed and cUL
- ADA compliance

## Normal Fixed Size Closers

MODEL				W x H Door Size(mm)	Weight of Door (Kg)	Mounting Hole Dimension (mm)
Standard Installation Or Top Jamb		Parallel Installation				
Non Hold-Open	Hold- Open	Non Hold-Open	Hold- Open			
610	1610	610P	1610P	800 x 1800	15 – 30	181 x 43 x 62.5
620	1620	620P	1620P	800 x 2100	25 – 45	204 x 46.8 x 65.8
630	1630	630P	1630P	950 x 2100	40 – 65	226 x 47.2 x 66.5
640	1640	640P	1640P	1050 x 2400	60 – 85	248 x 47.2 x 66.5
650	1650	650P	1650P	1200 x 2400	80 - 120	248 x 47.2 x 66.5

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# NSK600 series Door Closer

## Features

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### **Aluminum Alloy Body**

Closer bodies are constructed of special aluminum alloy, carefully selected to accommodate interactive steel component and 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, hardware and arm function do not interfere

### **Non-handed**

With few exceptions all series NSK600 door closers are non-handed and can be installed on either right or left hand swing doors. Pinion shaft extends vertically through the closer body in both directions.

### **Sweep Speed Control Valve**

Allows adjustment of door speed from the door's full open position down to approximately 10° from the closed position.

### **Latch Speed Control Valve**

Allows adjustment of door speed from approximately 10° down to the door's fully closed position.

### **Tri-Packed (optional)**

NSK600 series come with screws, brackets and soffit plates 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. it cushions the door opening when the door is forcibly opened beyond its pre-adjusted limits.

### **Optional Molded Cover**

Molded high impact material. These covers are non-handed for all applications.

### **Multi-Sized Door Closer**

Adjustable through the power range of sizes 1~4 or 2~5

The series NSK600 also confirms to the minimum opening force requirements of the ADA and ANSI/BHMA standard A117.1 for interior doors.

### **Compliance Standards**

ANSI/BHMA A156.4, Grade1 certified. UL listed and cUL

## Optional Features - Cover

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# NSK600 series Door Closer

## Optional Features – DA

### Adjustable Delayed Action Closing

An optional hydraulic feature that add a third speed range to closing cycle. This feature becomes effective when the door is opened and released at any point beyond 70°. The amount of time delay depends upon the combination of the angle of door released and valve adjustment. The valve can be adjusted with 4mm hex key from no delay time up to maximum delay times of :

Door opened	Approximate Time of Delay Cycle
180°	4~5 minutes
120°	2~3 minutes
90°	25~30 seconds

### Pressure Relief Safety Valve

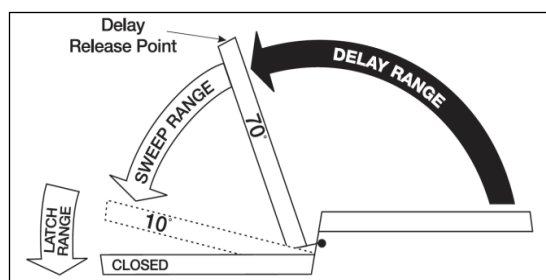
The delayed action hydraulic system contains a pressure relief valve. Any time the door is forced toward the closed direction while it is in the closing cycle, the valve will open and permit the door to close. This prevents damage to door, frame and closer.

## Optional Features – Arm

### Non-Hold Open

Self-closes door every time door is opened.  
Auxiliary stop (by others) required.

Model	Adjustable spring sizes	Weight of Door (Kg)
Non-Hold Open		
NSK600	2 ~ 5.	25~120
NSK600BF	1~4	15~85



### Suggested Application

Delayed action closing allows slow-moving traffic to clear the opening before the door closer's normal closing cycle begins. This feature can be helpful in health care facilities such as hospitals and nursing homes. It provides sufficient time for persons on crutches or in wheelchairs to pass through a door without concern of closing. At the same time, it can accommodate the facility's staff with movement of food service carts, bed, and other wheeled traffic.

Use of delayed action closers on many doors throughout industrial and commercial buildings can also assist the flow of traffic. Locations where additional time to clear the opening is advantageous are doors between office, doors to workshops or laboratories, kitchens and food processing area.

### Built in Hold-Open function.

#### Hold Open.

Achieved by means of friction or ball and detent / roller. Friction hold open has a range of 90° to 180° using a template location and mechanical adjustment.

**Hold open arm door closers are not permitted to be use on fire door assemblies.**

ASSA ABLOY is the global leader  
in door opening solutions,  
dedicated to satisfying end-user  
needs for security, safety and  
convenience



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