

# LCN®

## 6030 Series

Door controls



The LCN 6030 Series is a heavy duty non-handed, fixed strength, double acting, concealed overhead closer designed to fit in a narrow 44mm aluminium transom. The track arm and roller assembly, provides smooth, quiet door control. The closer cylinder is fitted in the aluminium frame, with the track fitted in the top rail of the door, providing complete concealment of the closer and it's arm.

The LCN 6030 Series is designed to be used on aluminium, hollow metal or wood swinging commercial exterior and interior doors and is ideally suited for institutional or heavy usage double acting doors. The door is pivoted independent of the door closer. It is recommended that Ives 7253 centre pivots be used in conjunction with 6030 Closers.

### Features

- Suitable for both interior and exterior doors
- Closer cylinder constructed of high strength cast iron for increased durability
- Tested to 1,500,000 cycles
- Available as either a fixed strength 3 or strength 4 closer
- Independent adjustment valves for adjusting backcheck, closing and latching speeds
- Backcheck and closing speed adjustments are common for both swings
- Adjustment of latching speed is independent for either swing
- Adjustable backcheck prevents damage to closer, door and frame
- Closers installed according to LCN installation instructions require minimal periodic maintenance or adjustments
- The 15 year warranty provides specifiers and users with assured quality and performance

## Specification guide

Series	Function	Finish
Strength 3 ..... LCN6033	Regular ..... R	Aluminium ..... ALUM
Strength 4 ..... LCN6034	Hold open ..... HO	

- Series  
Select the desired series e.g. LCN 6030 Series ..... LCN6033
- Function  
Select the required function ..... LCN6033HO
- Finish  
Select the desired finish e.g. Aluminium ..... LCN6033HOALUM

## Selection chart

Select closer based on width of door

Strength	Exterior door	Interior door
<b>3</b>	762mm min/max	864mm - 965mm
<b>4</b>	762mm - 914mm	965mm - 1219mm

### Specifications

<b>Door type</b>	Timber (wood clip set optional) or hollow metal
<b>Door size</b>	Size 3 - External door 762mm max. width Size 3 - Internal door 965mm max. width Size 4 - External door 914mm max. width Size 4 - Internal door 1219mm max. width
<b>Applications</b>	Regular Hold open
<b>Adjustment controls</b>	Closing speed Latching speed Backcheck
<b>Strength</b>	Size 3 - fixed strength Size 4 - fixed strength
<b>Options</b>	Hold open clip
<b>Finish</b>	Aluminium
<b>Warranty</b>	15 year mechanical

Refer to the 'Ives 7253 Centre Hung Pivot Set'. LCN 6030 Series door closers are designed to operate doors which have been independently pivoted. This feature allows the door closer to offer optimum performance as there is no door load bearing on the closer, which is a common feature on typical overhead transom mounted door closers. The Ives 7253 Pivot Set is designed to work with and is recommend for all LCN 6030 Series installations.  
Refer to 'Ives 7253 Centre Hung Pivot Set' pages.

## Regulating Controls

The LCN 6030 has independent regulators to control:

<b>Closing speed</b>	Adjustment to increase or decrease the speed at which the door closes. This allows the appropriate momentum to close the door in a safe and secure manner. Closing speed adjustment operates from the maximum opening to 15°. Closing speed adjustment is common to both directions of swing
<b>Latching speed</b>	The latching speed allows the door to close quietly and firmly. It can be adjusted to increase or decrease the speed at which the door finally closes. This assists the final stage of the closing cycle to help centre the door within the opening latch bolts or air pressure conditions. The latching speed adjustment operates from 15° to closing. Latching speed adjustment operates independently on each cylinder
<b>Backcheck</b>	Adjustable hydraulic backcheck provides a cushioning effect when the door is forcibly thrown open to prevent damage to the closer, door and frame. The backcheck adjustment allows the level of resistance in the latter stage of opening to be set at the level required. Backcheck is effective from 75°

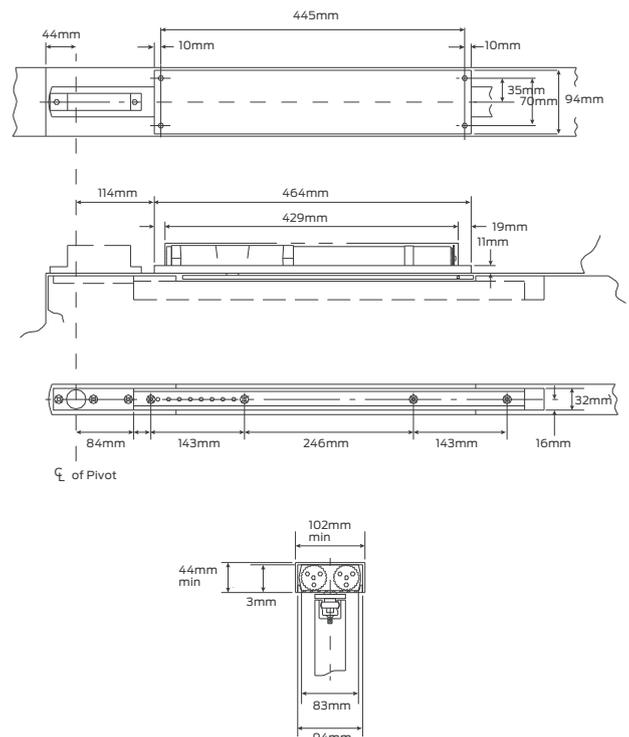
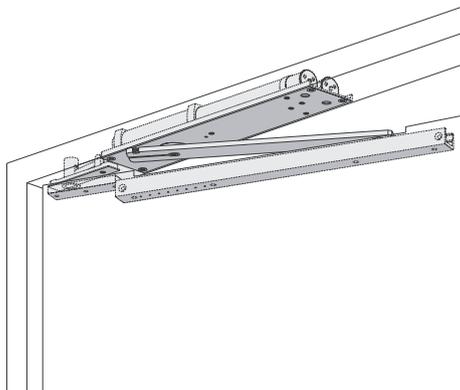
## Functions

<b>Regular</b>	For applications where the door must fully close after each opening
<b>Hold open</b>	Suitable for doors where the door may need to be left in a hold open position. The hold open function can be set to hold open at 85° to 95°

## Mounting details

### Concealed mounting

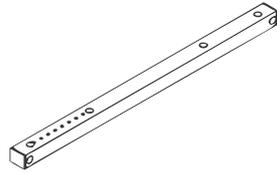
Double acting cylinder in cased frame, with the arm and track concealed in the top rail of the door  
 Centre pivot template allows a maximum opening of 95°  
 The hold open function allows the door to be set at these hold open points; 85°, 90°, and 95°.  
 The Ives 7253 Series pivot set must be ordered separately.  
 A minimum door width of 762mm is required, with 44mm pivot centres.  
 The top rail requires a 36mm mortise, as well as 10mm cutouts, at the top and both sides of the door.  
 The minimum door thickness required is 44mm.  
 Aluminium transom requires minimum dimensions of 102mm x 44mm



## 6030 Series accessories

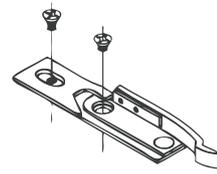
### Track arm 6030-3077T

Non-handed track arm. Track roller not included with arm  
**Finish:** Aluminium



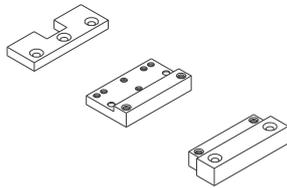
### Hold open clip 6030-3054

Mounts in track to provide hold open function.  
 Hold open point controlled by clip location



### Wood clip set 6030-416

Simplifies mounting closer in wood frame.  
 Includes latch stile clip, hinge stile clip and cover. For use with offset pivots



### Ives 7253 centre hung pivot set

