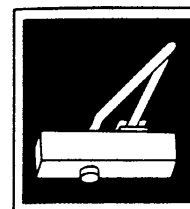


720 - 1084  
720 - 1060  
720 1059.

# JEBRON Doorclosers

## Product range



(31.59) X17

Jebron Limited

February 1992

### Introduction

Doorclosers contribute to privacy, heat saving and draught prevention, but in particular they are a means of checking the spread of fire and smoke as required by the 1985 Building Regulations. Their reliability is vital.



BS 5750  
FM 735



BS 6459: Part 1: 1984  
Licence no. 7534

Jebron's continuing concern for the quality of the doorclosers they make is exemplified by the fact that it is a registered firm of assessed capability to BS 5750. It was also the first manufacturer to receive a Kitemark for a doorcloser certified by BSI as conforming to BS 6459. Jebron doorclosers are designed and made in Great Britain.

This data sheet is an introduction to the different types of doorcloser made by Jebron.

### Product range

Jebron manufacture and market five series of surface mounted overhead doorclosers, apart from series made for and sold under merchants and ironmongers names. These series are:

Series 4000 (Universal)  
Series 5000 (J100)  
Series 6000 (Fineline)  
Series 7000 (Electroline)  
Series 8000 (Hotline)

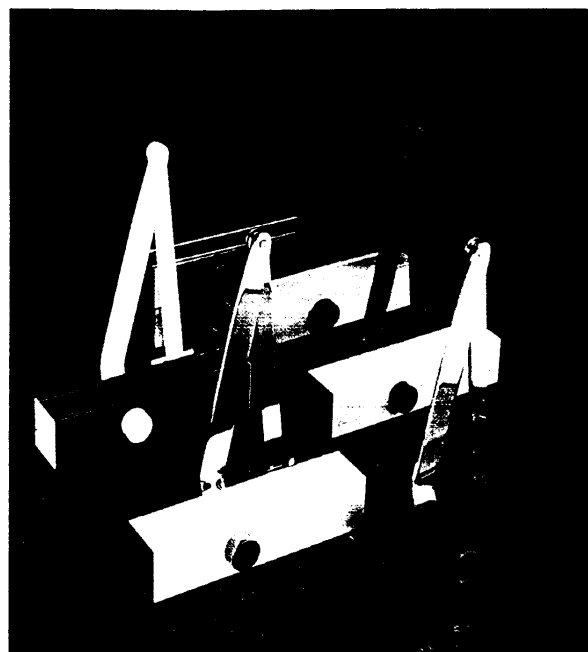
The Series 8000 was developed in association with the Architects Department of Oxford Regional Health Authority.

### This data sheet

The information given in this data sheet is presented in a comparative format, so that the differences in performance of the different series are readily apparent.

### Product warranty

Jebron doorclosers are guaranteed for 10 years, against faults in manufacture or material, in the United Kingdom, Isle of Man and the Channel Islands.



The Jebron range of Mix & Match doorclosers

### Supply

Jebron doorclosers are available through builders merchants and architectural ironmongers.

### Further data sheets

In addition to this introductory data sheet, there are detailed sheets covering the following:

Company profile

Design guide

Product selector

Series 4000 (Universal) product data  
Series 5000 (J100) product data  
Series 6000 (Fineline) product data  
Series 7000 (Electroline) product data **24VDC**  
Series 8000 (Hotline) product data

Product finishes

### References

The British Standard for doorclosers is BS 6459: Part 1: 1984, Specification for mechanical performance of crank and rack and pinion overhead closers  
MOB Statement of Requirements: Hardware for Doorsets: 1986  
Health Technical Memorandum 59: Ironmongery  
Guild of Architectural Ironmongers Code of Practice: 1986  
Association of Builders Hardware Manufacturers Code of Practice: 1983

### Technical services

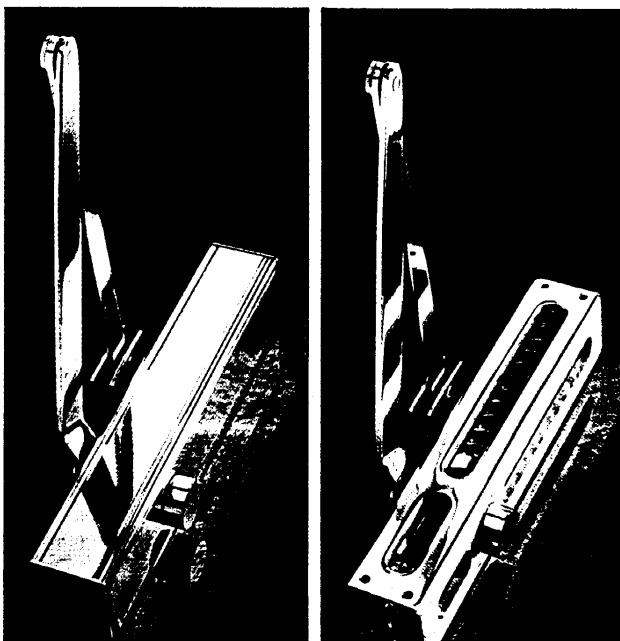
Technical advice including advice on special performance requirements is available to architects and other major specifiers from:

Technical Services Department,  
Jebron Limited,  
Bright Street, Wednesbury,  
West Midlands WS10 9HY.

Telephone 021-526 2212  
Telefax 021-526 5322

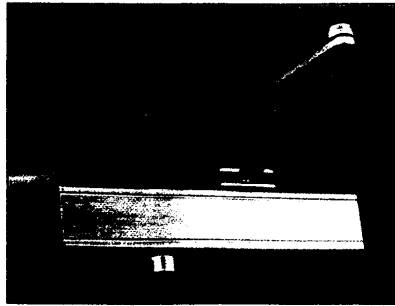
### Document reference

Product range:  
Issue 3: February 1992.



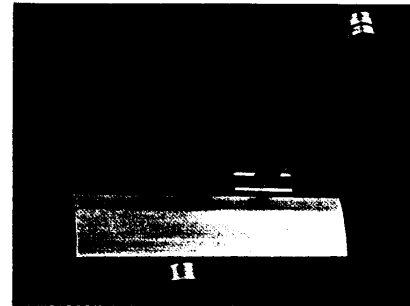
## Series 4000

Universal



## Series 5000

J100



### APPLICATIONS

A multi-purpose doorcloser designed to overcome the conflict between essential self-closing fire-doors and user convenience.

An economy doorcloser for applications which do not demand optional functions such as backcheck, hold open or adjustable delayed action.

### PRODUCT DESCRIPTION

Manually operated  
Surface mounted  
Aluminium  
Overhead doorclosers for single action doors

#### Construction/assembly

body – aluminium, with aluminium slide cover  
armset – steel  
accessories – steel

#### Finishes

normal finish – satin anodised  
optional finishes – polished anodised, dark bronze anodised, stove enamelled colours, silver stove enamelled and electroplated

#### Dimensions

body length, fixed power models without backcheck – 218mm  
adjustable power models without backcheck – 260mm  
fixed power models with backcheck – 260mm  
adjustable power models with backcheck – 287mm  
body projection, all models – 48mm

#### Weight

fixed power models without backcheck – 2.0kg  
adjustable power models without backcheck – 2.8kg  
fixed power models with backcheck – 2.8kg  
adjustable power models with backcheck – 3.0kg

Manually operated  
Surface mounted  
Aluminium  
Overhead doorclosers for single action doors

#### Construction/assembly

body – aluminium  
armset – steel  
accessories – steel

#### Finishes

normal finish – silver spray  
optional finish – gold spray

#### Dimensions

body length, all models – 218mm  
body projection, all models – 48mm

#### Weight

all models – 2.0kg

### PERFORMANCE

#### Force

fixed power: BS sizes 2, 3 and 4  
adjustable power: BS sizes 2-4

#### BS classes

all classes A, B and C

#### Angle of opening

up to 180°

#### Fitting

universal or slide arm

#### Handing

suitable for either hand of door

#### Standard functions

control – adjustable closing speed, selectable latching action and safety overload valves

#### Optional functions

backcheck – adjustable angle effective between 60° and 120°  
mechanical hold open at 90°  
adjustable delayed action – delayed closing between 180° and 70°

#### Force

fixed power: BS sizes 2, 3 and 4

#### BS classes

all classes A, B and C

#### Angle of opening

up to 180°

#### Fitting

universal, projecting arm or parallel arm

#### Handing

suitable for either hand of door

#### Standard functions

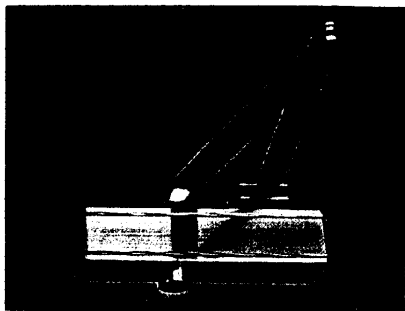
control – adjustable closing speed, selectable latching action and safety overload valves

#### Optional functions

not available

# Series 6000

Fineline



A high quality doorcloser with a number of optional functions.  
Series 4000, 7000 and 8000 are consistent in appearance with Series 6000.

Manually operated  
Surface mounted  
Aluminium  
Overhead doorclosers for single action doors

## Construction/assembly

body – aluminium  
armset – steel  
accessories – steel

## Finishes

normal finish – satin anodised  
optional finishes – polished anodised, dark bronze anodised, stove enamelled colours, silver stove enamelled and electroplated

## Dimensions

body length, models without backcheck – 218mm

models with backcheck – 260mm

models with adjustable power – 287mm

body projection, all models – 48mm

## Weight

models without backcheck – 2.0kg

models with backcheck – 2.8kg

models with adjustable power – 3.0kg

## Force

fixed power: BS sizes 2, 3 and 4

adjustable power: BS sizes 2-4

## BS classes

all classes A, B and C

## Angle of opening

up to 180°

## MOB type of code

without backcheck – 105, medium duty

with backcheck – 105-107, all grades to very heavy duty

## Fitting

universal, projecting arm, parallel arm or slide arm

## Handing

suitable for either hand of door

## Standard functions

control – adjustable closing speed, selectable latching action and safety overload valves

## Optional functions

backcheck – adjustable angle effective between 60° and 120°

mechanical hold open – at 90°

adjustable delayed action – delayed closing between 180° and 70°

## BSI Kitemark

Model code

example

Fineline size 2 delayed closing parallel arm

6 2 1 6

SERIES FORCE FUNCTION FITTING

key:

## Series

4 4000 Universal  
5 5000 J100  
6 6000 Fineline  
7 7000 Electroline  
8 8000 Hotline

## Force

1-6 fixed power size  
9 adjustable power

## Function

0 closing and latching  
1 delayed closing  
2 hydraulic hold open  
5 backcheck  
6 backcheck & delay  
7 electro hold open  
8 electro swing free

## Fitting

0 universal  
1 projecting arm  
2 ditto with mechanical hold open  
3 slide arm  
6 parallel arm  
7 ditto with mechanical hold open  
8 transom mounted

**N.B. The Jebron Product selector is now available as a separate booklet**

AUTHORITY cont'd.

## PSA

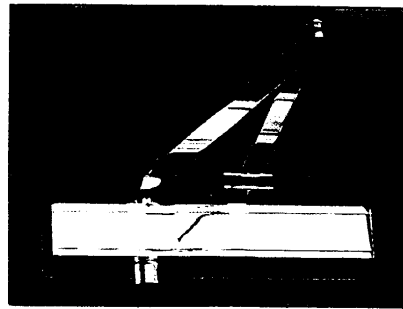
Series 6000 doorclosers are Method of Building (MOB) approved.

## Certifire

All Series 6000 doorclosers, except those with mechanical hold open, are Certifire approved.

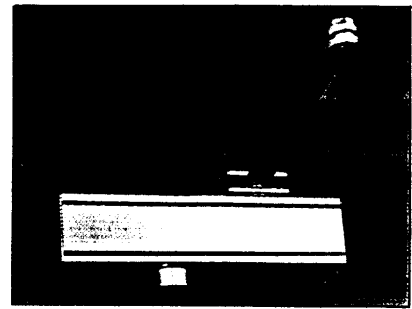
## Series 7000

Electroline 24Vdc



## Series 8000

Hotline



### APPLICATIONS

Two alarm-activated automatic release models for use on fire/smoke doors. The door leaf may be held open or allowed to swing free until activated.

For use where fire resistance is of particular importance. No loadbearing part has a melting point under 850°C. Series 8000 is consistent in appearance with Series 4000, 6000 and 7000.

### PRODUCT DESCRIPTION

Alarm activated  
Surface mounted  
Aluminium  
Overhead doorclosers for single action doors

#### Construction/assembly

body – aluminium  
armset – steel  
accessories – steel

#### Finishes

normal finish – satin anodised  
optional finishes – polished anodised, dark bronze anodised, stove enamelled colours, silver stove enamelled and electroplated

#### Dimensions

body length, all models – 306mm  
body projection, all models – 51mm

#### Weight

all models – 3.6kg

Manually operated  
Surface mounted  
Steel  
Overhead doorclosers for single action doors

#### Construction/assembly

body – steel  
armset – steel  
accessories – steel

#### Finishes

normal finish – silver stove enamelled  
optional finishes – stove enamelled colours and electroplated

#### Dimensions

body length, models without backcheck – 218mm

models with backcheck – 260mm  
body projection, all models – 48mm

#### Weight

models without backcheck – 3.3kg  
models with backcheck – 4.75kg

### PERFORMANCE

#### Force

fixed size: BS size 3

#### BS classes

all classes A, B and C

#### Angle of opening

up to 180°

#### Fitting

projecting or parallel arm, or transom mounted

#### Handing

suitable for either hand of door

#### Standard functions

control – adjustable closing speed, selectable latching action and safety overload valves

#### Optional functions

hold open – the door leaf is held open electromagnetically at any position between 90° and 180°. It can be released manually or will close automatically when activated by alarm or power failure  
swing free – once opened manually the door leaf can be opened and closed without effort until activated by alarm when it will close automatically. Swing free models incorporate a device to prevent the door slamming in a draught. Under conditions of power failure, models in both series will function as normal doorclosers

#### Force

fixed power: BS sizes 2, 3 and 4

#### BS classes

all classes A, B and C

#### Angle of opening

up to 180°

#### MOB type code

without backcheck – 105, medium duty  
with backcheck – 105-107, all grades to very heavy duty

#### Fitting

projecting or parallel arm

#### Handing

suitable for either hand of door

#### Standard functions

control – adjustable closing speed, selectable latching action and safety overload valves

#### Optional functions

backcheck – adjustable angle effective between 60° and 120°  
adjustable delayed action – delayed closing between 180° and 70°

### AUTHORITY

#### Building Regulations

Electromagnetic doorclosers have been accepted by fire officers and local authorities as complying with the 1985 Building Regulations, Approved Document, Part B, Appendix F.

#### DHSS

Series 7000 doorclosers comply with HTM 59 recommendations.

#### PSA

Series 8000 doorclosers are Method of Building (MOB) approved.

#### Warrington Research Centre

A specimen of the Series 8000 doorcloser has been successfully included in fire tests to BS 476: Part 22: 1987.

#### DHSS