

Cavell Suite Door Closers

MHL 45.01

Power Size 2 - 4 Adjustable (CAM ACTION)

This high efficiency closer exhibits the low opening forces required to contribute to satisfying the recommendations in Document M and BS 8300 but also enables the closer to meet the conflicting requirement of closing force and comply with the exacting standard of EN 1154 and EN 1634-1 for fire safety.

The cam and linear drive yield a rapidly reducing opening torque, thereby minimising the effort needed to open the door, enabling the elderly, disabled, encumbered or very young to open the door with ease.

Standards and Certification



Quality & Performance: Successfully type tested for conformity to all the requirements of BS EN 1154: 1996 + A1. 2002



Manufactured by an ISO 9001: 2000 Registered Company



Fire Safety: Included in a successful fire test to BS EN 1634 Part 1: 2000. Assessed for use on 30 min, 1 hour & 2 hour fire doors



CE Marked: Declaration of conformity available on request



MHL 45.01

Standard Features

Power size 2-4 adjustable in accordance with BS EN 1154: 1996 + A1. 2002

Suitable for use on doors up to 1100mm wide/80kg weight
Cam action mechanism

Door fixing pull side, transom fixing pull side or door fixing push side

The slide track can be supplied with either a 'cushion stop' limiter to prevent the door being opened beyond a set position, or with a mechanical hold-open device which can be set to hold the door open at any position between 80° & 120° (please note: this feature must not be specified on fire door applications).

Delayed action - not available

Adjustable closing speed and latch action

Matching arms

DDA approved

Finishes

Silver, Gold, Polished Brass, Polished & Satin Stainless Steel/Chrome, RAL Colours.

Supported by a 10 Year Guarantee.

Cavell Suite Door Closers

MHL 45.02

Power Size 2 - 4 Variable by Template

Application

This versatile slim-line unit makes it ideally suited for many medium frequency commercial applications where style, finish and performance are required.

Standards and Certification



Quality & Performance: Successfully type tested for conformity to all the requirements of BS EN 1154: 1997



Manufactured by an ISO 9000 Registered Company



Fire Safety: Included in a successful fire test to BS EN 1634 Part 1: 2000. Assessed for use on 30 min, 1 hour & 2 hour fire doors



CE Marked: Declaration of conformity available on request

Standard Features

Power size 2-4 variable by template in accordance with BS EN 1154: 1997

Suitable for use on doors up to 1100mm wide/80kg weight

Extruded aluminium body

Rack and pinion mechanism

Universal application

Backcheck optional

Adjustable closing speed and latch action

Matching arms

DDA approved

Finishes

Silver, Gold, Polished Brass, Polished & Satin Stainless Steel/Chrome, RAL Colours.

Supported by a 10 Year Guarantee.



MHL 45.02

Cavell Suite Door Closers

MHL 45.03

Power Size 2 - 5 Adjustable

Application

Ideal for use on many high frequency doors in public buildings such as hospitals, nursing homes, surgeries, schools along with other commercial applications where style finish and performance are required.

Standards and Certification



Quality & Performance: Successfully type tested for conformity to all the requirements of BS EN 1154: 1997



Manufactured by an ISO 9000 Registered Company



Fire Safety: Included in a successful fire test to BS EN 1634 Part 1: 2000. Assessed for use on 30 min, 1 hour & 2 hour fire doors



CE Marked: Declaration of conformity available on request

Standard Features

Power size adjustable 2-5 in accordance with BS EN 1154: 1997

Suitable for doors up to 1250mm wide / 100kg weight

Rack and pinion mechanism

Universal application

Backcheck optional

Delayed action optional

Adjustable closing speed and latch action

Matching arms

DDA approved

Finishes

Silver, Gold, Polished Brass, Polished & Satin Stainless Steel/Chrome, RAL Colours.

Supported by a 10 Year Guarantee.



MHL 45.03

Cavell Suite Door Closers

MHL 45.04

Power Size 1 - 6 Adjustable

Application

A powerful yet elegant looking closer designed to meet a wide range of applications. The slide cover gives easy access to the adjustment valves.

Standards and Certification



Quality & Performance: Successfully type tested for conformity to all the requirements of BS EN 1154: 1997



Manufactured by an ISO 9000 Registered Company



Fire Safety: Included in a successful fire test to BS EN 1634 Part 1: 2000. Assessed for use on 30 min, 1 hour & 2 hour fire doors



CE Marked: Declaration of conformity available on request

Standard Features

Power size 1-6 adjustable in accordance with BS EN 1154: 1997 - when fitted in regular position.

Size 5 only in parallel arm position

Suitable for use on doors up to 1400mm wide/120kg weight

Rack & pinion mechanism

Universal application

Backcheck optional

Delayed action optional

Adjustable closing speed and latch action

Matching arms

DDA approved

Finishes

Silver, Gold, Polished Brass, Polished & Satin Stainless Steel/Chrome, RAL Colours.

Supported by a 10 Year Guarantee.



MHL 45.04

Cavell Suite Door Closers

MHL 45.05 Fixed Power Size 3

Application
Suitable for light duty internal doors.

Standards and Certification

ISO Manufactured by an ISO 9000 Registered Company



Fire Safety: Included in a successful fire test to BS 476 to 30 min

Standard Features

Fixed power size 3 – Suitable for doors up to 950mm wide/60kg weight

Diecast body

Rack and pinion mechanism

Universal application

Adjustable arm

Adjustable closing speed and latch action

Matching armsets

Finishes

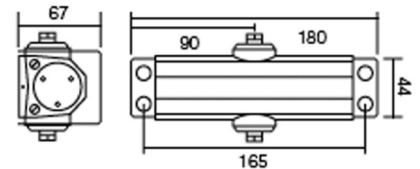
Silver, Gold

Guarantee

Supported by a 10 Year Guarantee.



MHL 45.05



MHL 45.06 Fixed Power Size 3

Application
MHL 45.05 unit with small rectangular metal cover. Suitable for light duty internal doors.

Standards and Certification

ISO Manufactured by an ISO 9000 Registered Company



Fire Safety: Included in a successful fire test to BS 476 to 30 min

Standard Features

Fixed power size 3 – Suitable for doors up to 950mm wide/60kg weight

Diecast body

Rack and pinion mechanism

Universal application

Adjustable arm

Adjustable closing speed and latch action

Black arms

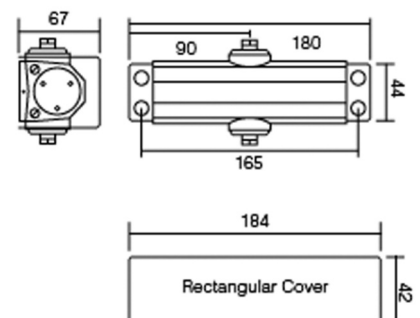
Cover Finishes

Silver, Gold, Polished Brass, Polished & Satin Stainless/Chrome, RAL Colours

Supported by a 10 Year Guarantee.



MHL 45.06



Cavell Suite Floor Spring

MHL 45.07

Size 1 to 4 Floor Spring

Application

An adjustable power unit which incorporates a proven cam action roller system combining smooth performance with reliability.

Standards and Certification



Quality & Performance: Successfully type tested for conformity to all the requirements of BS EN 1154: 1997



Manufactured by an ISO 9000 Registered Company



Fire Safety: Included in a successful fire test to BS EN 1634 Part 1: 2000. Assessed for use on 30 min, 1 hour & 2 hour fire doors



CE Marked: Declaration of conformity available on request



Certifire Approved Product: Certificate CF495

Features

Adjustable power size 1-4 (max door width 1100mm/max door weight 300kgs)

Closing Speed Adjustment Range: Adjustment can be made throughout whole of 360° range (180° for single action)

Latch Adjustment Range: Latching action can be adjusted final 10° of closing

Backcheck Range: Backcheck can be adjusted between 70° and 90° or deactivated

Stand Open (optional extra): Doors will stand open 90°. This feature must not be used on fire resisting doors

Gel packs for wet areas available

DDA approved

Available Kits:

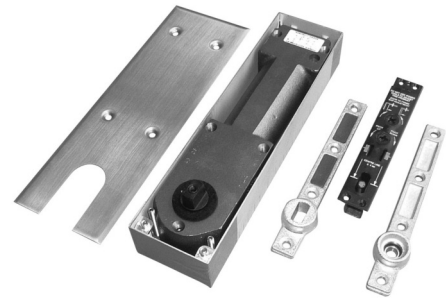
Single Action Unit complete with accessories comprises: mechanism, floor box, accessory pack and cover plate

Double Action Unit complete with accessories comprises: mechanism, floor box, accessory pack and cover plate

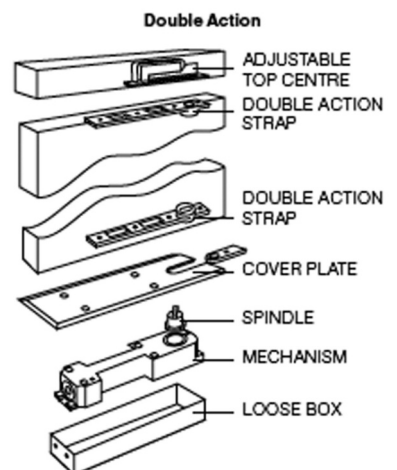
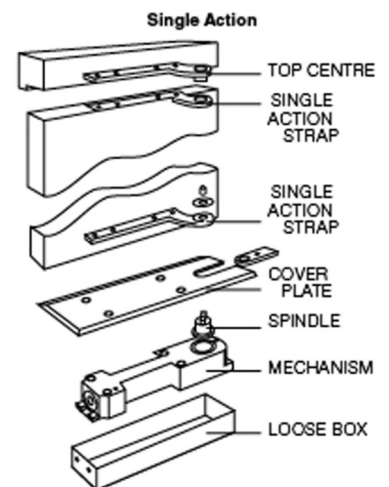
Finishes:

Satin Stainless Steel, Polished Stainless Steel and Polished Brass

Supported by a 10 Year Guarantee.



MHL 45.07



Cavell Suite Floor Spring Accessories

MHL 45.07

Universal Mechanisms

PRODUCT REF	DESCRIPTION
MHL 45.07-M	Universal floor spring mechanism only
MHL 45.07-M-SO	Universal floor spring mechanism only – Stand open



MHL 45.07-M

Cover Plates

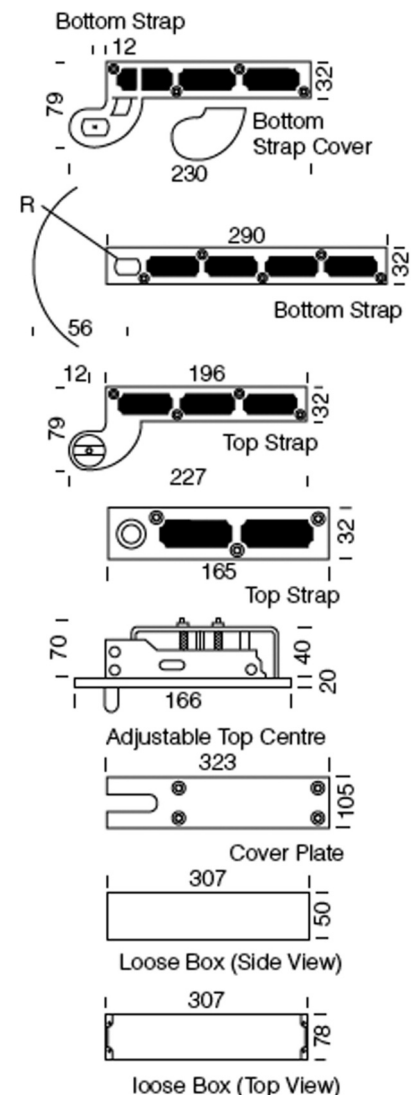
PRODUCT REF	DESCRIPTION	FINISH
MHL 45.07-CP-SSS	Universal cover plate	SSS
MHL 45.07-CP-PSS	Universal cover plate	PSS
MHL 45.07-CP-PB	Universal cover plate	PB



MHL 45.07-CP

Single Action

PRODUCT REF	DESCRIPTION	FINISH
MHL 45.07-ACC-SA-SSS	Single action accessory pack	SSS
MHL 45.07-ACC-SA-PSS	Single action accessory pack	PSS
MHL 45.07-ACC-SA-PB	Single action accessory pack	PB
MHL 45.08-SSS	Single action bottom strap	SSS
MHL 45.08-PSS	Single action bottom strap	PSS
MHL 45.08-PB	Single action bottom strap	PB
MHL 45.09-SSS	Single action top centre	SSS
MHL 45.09-PSS	Single action top centre	PSS
MHL 45.09-PB	Single action top centre	PB



Double Action

PRODUCT REF	DESCRIPTION	FINISH
MHL 45.07-ACC-DA-SSS	Double action accessory pack	SSS
MHL 45.07-ACC-DA-PSS	Double action accessory pack	PSS
MHL 45.07-ACC-DA-PB	Double action accessory pack	PB
MHL 45.10-Z	Double action bottom strap	ZINC
MHL 45.11-SSS	Double action top centre	SSS
MHL 45.11-PSS	Double action top centre	PSS
MHL 45.11-PB	Double action top centre	PB

Cavell Suite Electromagnetic Door Closers

MHL 45.12

Electromagnetic Door Closer - available in 3 sizes

Application

Ideal for use in care homes, hospitals, clinics, municipal buildings, schools, colleges, libraries, museums, theatres, pubs, clubs and hotels.

When fitted in Swing Free mode the door operates as if no hydraulic door closer is fitted, until such times as the Fire Alarm or other hazard warnings are activated, at which time the door automatically closes to prevent the spread of fire.

Standards and Certification



Quality & Performance: Successfully type tested for conformity to all the requirements of BS EN 1155: 1997 + A1: 2002



Manufactured by an ISO 9000 Registered Company



Fire Safety: Included in a successful fire test to BS EN 1634 Part 1: 2000. Assessed for use on 30 min, 1 hour & 2 hour fire doors



CE Marked: Declaration of conformity available on request



Certifire Approved Product: Certificate CF498



MHL 45.12

Standard Features

BS EN 1155 sizes 3 4 5

Suitable for use on doors up to 1250mm wide/100kg weight

Extruded aluminium body

Rack and pinion mechanism

Swing free or hold open application

Universal application

Flexible link and terminal box

Switch for testing purposes

Adjustable arm

Adjustable closing speed and latch action

Voltage 24v DC (requires a transformer)

Matching arms

Accessories

Power supply unit to suit 1-8 units (MHL 45.12-PSU-A) 1-50 units (MHL 45.12-PSU-B)

Cover Finishes

Silver, Gold, Polished Brass, Polished & Satin Stainless/Chrome, RAL Colours

Supported by a 2 Year Guarantee.

Technical Information (when installed in Regular Arm configuration).

Model	Closing Force to EN 1154	Maximum Width	Door Mass KG
MHL 45.12-3HO Hold open only	3	950	60
MHL 45.12-3SF Hold open & swing free	3	950	60
MHL 45.12-4HO Hold open only	4	1100	80
MHL 45.12-4SF Hold open & swing free	4	1100	80
MHL 45.12-5HO Hold open only	5	1250	100
MHL 45.12-5SF Hold open & swing free	5	1250	100

Cavell Suite Electromagnetic Door Holders

MHL 45.13

Application

Electromagnetic door holders are designed to hold the door in the open position allowing it to close when the fire alarm is activated or the power fails. Recommended for use in conjunction with overhead door closers or floor springs.

Technical details

Self handed can be flush, surface or floor mounted

Tested to: EN1155

Standard voltage: 24V. D.C.

Resistance: 330 Ohms

Power: 1.75 watts

Holding Force: 155N

Finishes

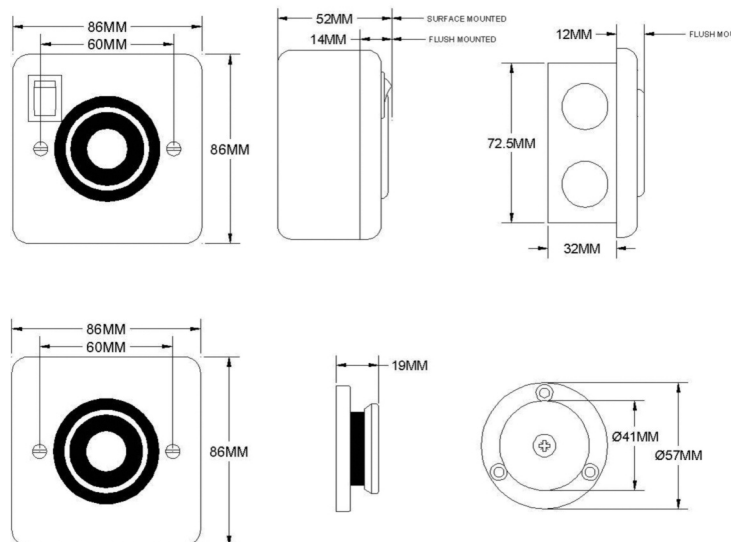
Silver as standard.

Plated Finishes including Brass, Chrome, Satin and Polished Stainless Steel.



MHL 45.13

PRODUCT REF	DESCRIPTION
MHL 45.13-1	Surface mounted
MHL 45.13-1/S	Surface mounted with push off switch
MHL 45.13-2	Flush mounted
MHL 45.13-2/S	Flush mounted with push off switch
MHL 45.13-FB-1	Floor mounting bracket



Door Closers

MHL 45.14

Perko Concealed Closer

Perko® is the original concealed door closer, offering an economic means of providing automatic closing for internal doors up to 50 kg / 100 lbs in weight in light to medium use applications.

Solid brass anchor plates, powder coated mechanism housing and precision-engineered chain add to its appeal.

Supplied with fixing screws and full fitting instructions.



MHL 45.14

MHL 45.15

Perkomatic Hydraulic Concealed Closer

Designed for light to medium use situations on internal doors up to 75 kg / 165 lbs in weight, Perkomatic® offers the ultimate in uncontrolled concealed door closing devices, with outstanding performance and excellent durability.

Housed in a lightweight aluminium casing, the hydraulic mechanism can be easily adjusted to provide the desired latching action for each application, whilst the precision engineered chain ensures smooth and lasting service.

Supplied with fixing screws and full fitting instructions.



MHL 45.15

MHL 45.16

Perko Powermatic Concealed Closer

Perko Powermatic® has a unique twin-power mechanism that possesses the necessary force to provide controlled closing of doors up to 80 kg in weight and 950 mm wide.

Perko Powermatic® meets the performance requirements of BS EN 1154: 1997 for power size 3 controlled door closers and has been endurance tested in excess of 500,000 closing cycles. Together with successful fire testing to BS EN 1634-1 and factory production control to BS EN ISO 9001: 2000, this outstanding performance and durability qualifies Perko Powermatic® to carry the CE mark.



MHL 45.16

Cavell Suite Door Selector/Closers

MHL 45.17

Door Selector/ Co-ordinator Mk1

Application

The **ARRONE**® door selector enables a pair of self-closing doors with rebated meeting stiles to close in correct sequence automatically, no matter which door is opened first, maintaining the fire resistant seal.

Standards and Certification



Quality & Performance: Successfully type tested (1,000,000 cycles) in accordance with BS EN 1158

Features

Suitable for use with power size 3-5 door closers

Suitable for use on timber doors of any width up to 1220mm, and all standard thicknesses

Suitable for rebates up to 25mm

Extended arms available for special applications

Finishes

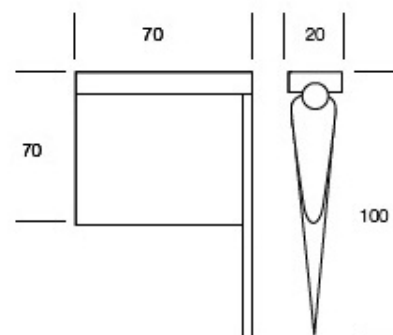
Satin Anodised Aluminium.

Guarantee

Supported by a 10 Year Guarantee.



MHL 45.17



MHL 45.18

Concealed Chain Door Closer (Square or Radiused Forend)

Application

Suitable for use on 30 minute fire doors.

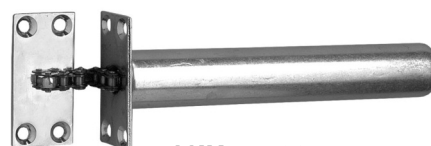
Standards and Certification



Fire Safety: Included in a successful fire test to BS 476 to 30 min.

Finishes

Electro Brass, Satin Chrome, Polished Chrome and Polished Brass.



MHL 45.18

MHL 45.19

Hercules Domestic Door Closer

Application

Suitable for internal doors.

Finishes

White, Polished Brass & Satin Stainless Steel.



MHL 45.19