

Product catalogue



Our mission is to enhance life safety at every fire door.

Because we believe that every building should **protect the life within it.**

Rutland develops, produces and supplies first-rate fire door hardware and components. But we also advise and inform on best practice, and take part in conversations in the industry on how to make buildings safer, because life safety is important for all of us.

Over the years, we've gained considerable industry expertise and knowledge – expertise that we will readily share with you, whether you are a door manufacturer, a reseller or a specifier. It's our job to help you to select the right fire door hardware for specific situations.

It's our mission to provide you with exceptional support, whether it's advice on ensuring compliance, or guidance on adjusting a door closer. **This is the Rutland way.**

If you can't find what you're looking for in our catalogue, do get in touch, we'd be happy to hear from you.







What our customers say about Rutland

“ I’m totally in awe at your commitment to the greater cause and putting your products through this level of testing. Congrats to you and the team. I wouldn’t hesitate recommending Rutland to any of our customers who we can influence.

“ It’s your aftersales support and technical help that really sets you apart and that’s why we’ve used you more this year. It’s easy to pick the phone up and talk to you.

“ The reliability and technical knowledge of the staff and the quality of the product are 10 out of 10. The products are always being updated and kept in line with current standards.

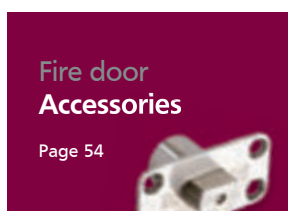
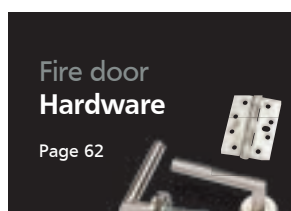
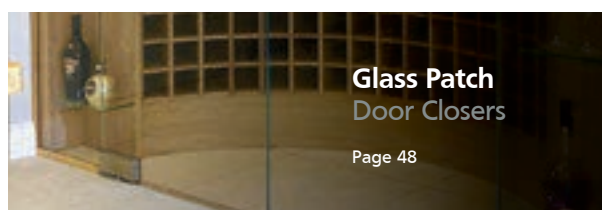
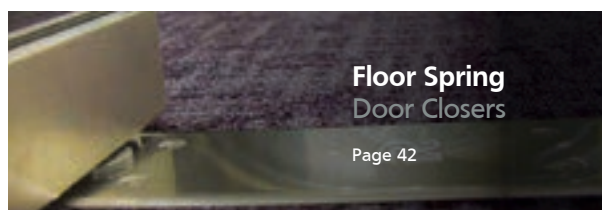
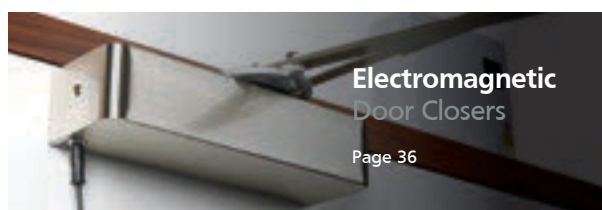
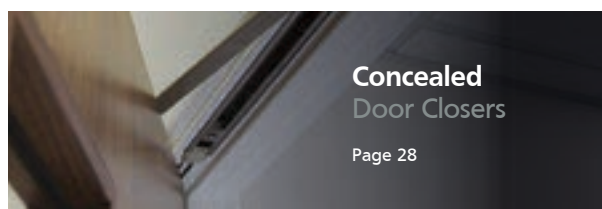
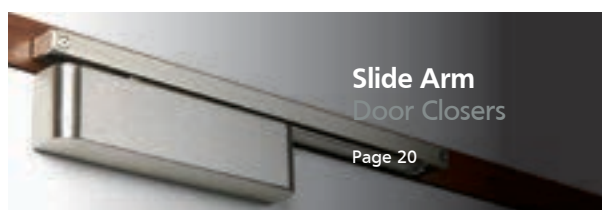
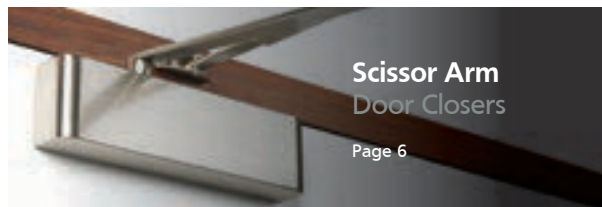
“ For a layman like me, this was very easy to fit. Very good instructions with template. I got slightly stuck, so called Rutland and their tech team were very helpful.

“ We’re happy to have such a high-spec, aesthetically appealing and technologically advantageous closer as our main closer.

↑
Our dedicated
Customer Happiness team

CONTENTS

The Rutland Range



Scissor Arm Door Closers Overview.....	6
TS.3204	EN 3 Fixed Power adjustable by template.....8
TS.4204	EN 2-4 Power adjustable by spring.....10
TS.5204	EN 2-4 Power adjustable by spring.....12
TS.9205	EN 2-5 Power adjustable by spring.....14
TS.9206	EN 2-6 Power adjustable by spring.....16
TS.10106	EN 1-6 Power adjustable by spring.....18

Slide Arm Door Closers Overview.....	20
TS.24	Rack & Pinion, power adjustable EN2-4 by spring.....22
TS.11204	Cam Action, Power adjustable EN 2-4 by spring.....24
TS.11205	Cam Action, Power adjustable EN 2-5 by spring.....26

Concealed Slide Arm Door Closers Overview.....	28
ITS.11204	Cam action, power adjustable EN2-4 by spring.....30
ITS.11205	Cam action, power adjustable EN2-5 by spring.....32
ITS.11204.3.5	Cam action (micro-rail) power adjustable size EN2-4.....34
ITS.H3	Heel Closer.....35

Electromagnetic Door Closers Overview.....	36
RESPONDER 24	Emag Door Closer, fixed power EN4.....38
TS.FIRETRAK.114	Emag Slide Arm Door Closer power adjustable EN2-4.....40
TS.FIRETRAK.115	Emag Slide Arm Door Closer power adjustable EN2-5.....41

Floor Spring Closers Overview.....	42
TS.7003+7004	Fixed power size EN3 or EN4.....44
TS.7104	Power adjustable EN 1-4.....46
TS.7306	Power adjustable EN 3-6.....47

Glass Patch Door Closers Overview.....	48
GP3	Glass Patch Door Closer fixed power size EN3.....50
GP35	Glass Patch Door Closer power adjustable EN3-5.....51

Transom Closers.....	52
-----------------------------	-----------

Door Restrictor.....	53
-----------------------------	-----------

Accessories.....	54
-------------------------	-----------

Fire & Security Door Hardware.....	62
RDL.DL	DIN Standard Dead Lock Size 55/60mm.....62
RDL.ESL	DIN Standard Euro Sash Lock Size 55/60mm.....63
RDL.BL	DIN Bathroom Lock Size 55/60mm.....64
RDL.L	DIN Standard Latch Size 55/60mm.....65
RL.RTD	Return to Door Lever Handle.....66
RL.STB	T-Bar Lever Handle.....66
RL.M	Mitred Lever Handle.....66
RH.DBSH	Dog Bolt Security Hinge.....67

Product Codes	68-88
----------------------------	--------------

Resources: Events, Installation & Guides.....	90-97
--	--------------

Colours / Finish & Design Style.....	98-99
---	--------------

FAQs.....	100
------------------	------------

NBS.....	101
-----------------	------------



Scissor Arm Door Closers

Surface-mounted door closers
with a reliable rack and pinion
closing mechanism.

Available in a variety of finishes, with
delayed action and back check options.



TS.3204 PAGE 8

- Fixed power size EN3/4, adjustable by template
- CE, UKCA marked
- Easy to use template fitting instructions



TS.4204 PAGE 10

- Variable power adjustment EN2-4
- CE, UKCA marked
- Back check and delayed action features are as standard on this model
- Easy to use template fitting instructions



TS.5204 PAGE 12

- Variable Power adjustment EN2-4
- CE, UKCA marked and UL listed
- Assists BS8300 (Suitable for Doc M Contracts)
- Available with delayed action and back check
- Easy to use template fitting instructions



TS.9205 PAGE 14

- Variable power size EN 2-5
- CE, UKCA marked and UL listed
- Assists BS8300 (Suitable for Doc M Contracts)
- Available with delayed action and back check
- Easy to use template fitting instructions



TS.9206 PAGE 16

- Variable power size EN 2-6, adjustable by spring
- CE, UKCA marked and UL listed
- Available with back check and delayed action
- Renown for high efficiency, immense torque and ultimate control
- Easy to use template fitting instructions



TS.10106 PAGE 18

- Variable power size EN 1-6
- ANSI and UL listed
- Extremely heavy duty with immense torque and strength
- Tested to 2 million cycles
- Easy to use template fitting instructions

SCISSOR ARM DOOR CLOSERS

TS.3204



SCISSOR ARM DOOR CLOSERS

TS.3204

The TS.3204 is a Certifire approved and ideal choice for mid-range contracts, with power size 3/4, adjustable by template, and optional back check.

- Available in Silver, Satin Nickel, Polished Nickel, Polished Brass White for next day delivery
- Easy to read instructions, saving over 12 minutes of fitting time
- Corrosion Grade 3 - Recommended for internal use



3rd Party
Certification



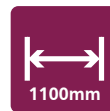
Opening Angle
180°



Two-Stage
Speed Regulation



Guarantee



Max Door
Width



Max Door
Weight



Finishes

See page 98 for more detail



SE
Silver



SNP
Satin Nickel



PNP
Polished Nickel



WH
White



PVD
Polished Brass

Product Features

TS.3204

Delayed Action	-
Back Check	TS.3204BC
Opening Angle	180°
Fig.1 Pull Side Door Width	300-1100mm
Fig.66 Push Side Door Width	470-950mm
Max Door Weight	<80kg
Power Adjustment	By Template
Hold Open (not for fire doors)	o
Dimensions (including cover)	W250 x H66 x D43mm
Certification Compliance	
Certifire (Not applicable for BC versions)	✓
UKCA	✓
CE	✓
BS EN 1154	✓
BS EN 1634	✓
UL10C	✓
UL228	✓
ANSI BHMA	-
IFCC	✓
Key: ✓ Yes - No o Option	



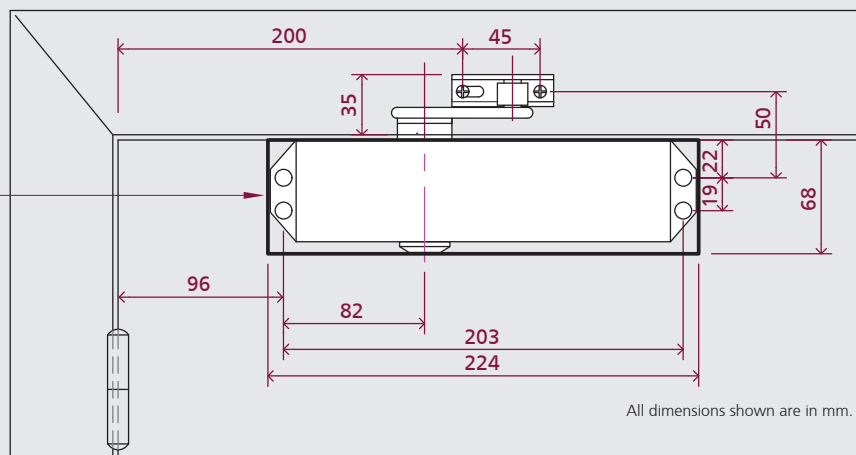
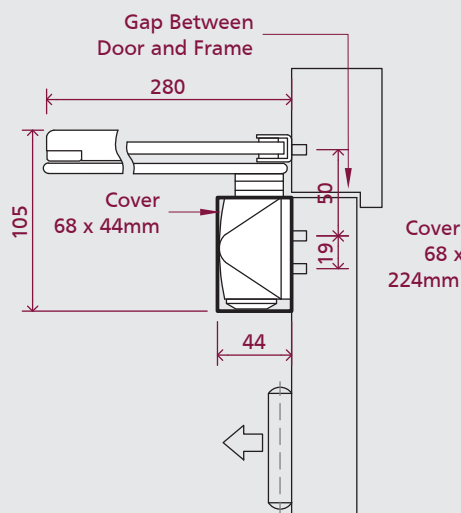
1720



Approved Product
CF 6018



1812



For fitting instructions see website

SCISSOR ARM DOOR CLOSERS

TS.4204



SCISSOR ARM DOOR CLOSERS

TS.5204



Townlands Hospital – Henley on Thames

SCISSOR ARM DOOR CLOSERS

TS.9205



The Shard, London UK



SCISSOR ARM DOOR CLOSERS

TS.9205

Designed to last, the TS.9205 is a popular and highly efficient door closer with both optional back check and delayed action, and assisting BS8300.

- Power Adjustable EN2-5.
- 15 Finishes available for next day delivery, including an anti-corrosion Marine316.
- Slimline body & cover with only 40mm projection.



3rd Party
Certification



Opening Angle
180°



Two-Stage
Speed Regulation



Guarantee



Max Door
Width



Max Door
Weight



Finishes

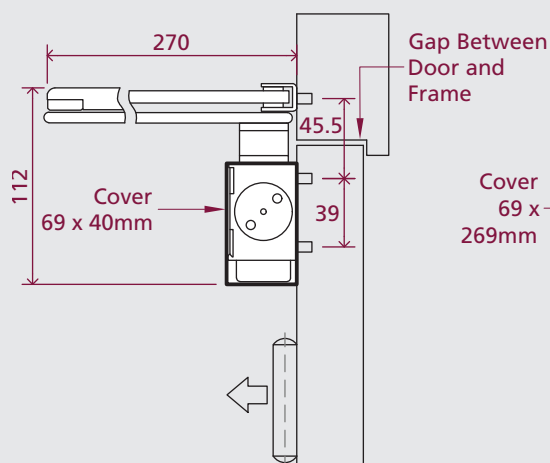
See page 98 for more detail

SE Silver	SNP Satin Nickel	PNP Polished Nickel	PVD Polished Brass	SSS Satin Stainless
PSS Polished Stainless	BK Black	AB Antique Brass	AC Antique Copper	SB Satin Brass
LB Light Bronze	MB Medium Bronze	DB Dark Bronze	WB Weathered Bronze	M Marine 316

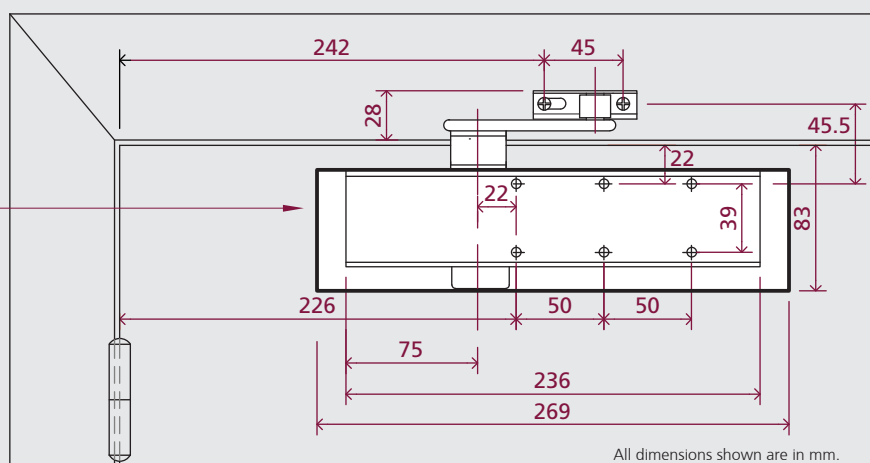
Product Features

TS.9205

Delayed Action	✓
Back Check	✓
Opening Angle	180°
Fig.1 Pull Side Door Width	390-1250mm
Fig.66 Push Side Door Width	390-1100mm
Fig.1 BS8300 Min Door Width	835mm
Fig.66 BS8300 Min Door Width	728mm
Max Door Weight	<110kg
Power Adjustment	By Spring
Hold Open (not for fire doors)	○
Dimensions (including cover)	W269 x H69 x D40mm
Certification Compliance	
Certifire	-
UKCA	✓
CE	✓
BS EN 1154	✓
BS EN 1634	✓
UL10C	✓
UL228	✓
ANSI BHMA	-
IFCC	✓
Key: ✓ Yes - No ○ Option	



Cover
69 x
269mm



All dimensions shown are in mm.

For fitting instructions see website

SCISSOR ARM DOOR CLOSERS

TS.9206



SCISSOR ARM DOOR CLOSERS

TS.9206

Ideal for heavy usage, the TS.9206 is power adjustable by spring size 2-6, has a unique slimline appearance and comes with back check and delayed action as standard.

- Suitable for use on doors up to 1400mm wide
- 35 Year Guarantee
- Available in 4 different finishes for next day delivery



3rd Party
Certification



Opening Angle
180°



Two-Stage
Speed Regulation



Guarantee



Max Door
Width



Max Door
Weight



Finishes

See page 98 for more detail



SE
Silver



SNP
Satin Nickel



PNP
Polished Nickel



M
Marine 316



1720

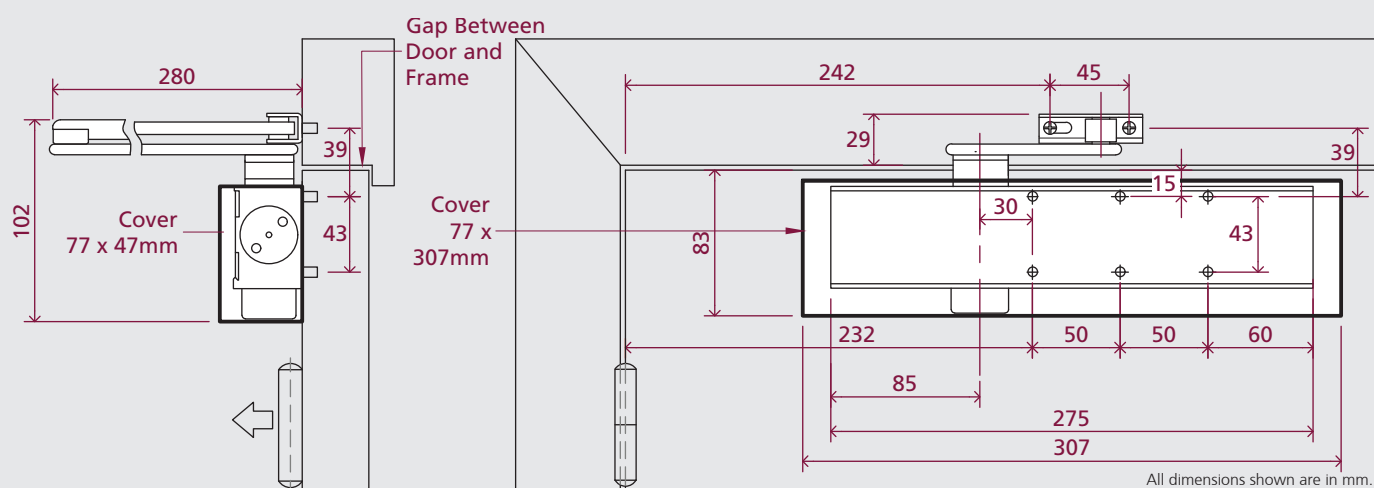


1812

Product Features

TS.9206

Delayed Action	✓
Back Check	✓
Opening Angle	180°
Fig.1 Pull Side Door Width	415-1400mm
Fig.66 Push Side Door Width	490-1250mm
Fig.1 BS8300 Min Door Width	835mm
Fig.66 BS8300 Min Door Width	728mm
Max Door Weight	<120kg
Power Adjustment	By Spring
Hold Open (not for fire doors)	○
Dimensions (including cover)	W307 x H77 x D47mm
Certification Compliance	
Certifire	-
UKCA	✓
CE	✓
BS EN 1154	✓
BS EN 1634	✓
UL10C	-
UL228	-
ANSI BHMA	-
IFCC	✓
Key: ✓ Yes - No ○ Option	



For fitting instructions see website

SCISSOR ARM DOOR CLOSERS

TS.10106





Slide Arm Door Closers

Slim and stylish surface-mounted door closers with minimal projections of no more than 43mm from the door.

Available in a variety of finishes, with delayed action and back check options.



TS.24 PAGE 22

- Variable power size EN 2-4
- CE, UKCA marked
- Ezykam™ motion technology for immense control throughout the full opening and closing cycle of the door
- Easy to use template fitting instructions



TS.11204 PAGE 24

- Variable power size EN 2-4
- CE, UKCA marked and UL listed
- Renown for high efficiency & ease of opening
- Easy to use template fitting instructions



TS.11205 PAGE 26

- Variable power size EN 2-5
- CE, UKCA marked and UL listed
- Available with back check and adjustable delayed action
- Easy to use template fitting instructions

SLIDE ARM DOOR CLOSERS

TS.24



SLIDE ARM DOOR CLOSER

TS.24

With a rack+pinion mechanism giving fine control throughout both the opening and closing cycle, the Rutland TS.24 slide arm door closer has an opening angle of up to 180° and is power adjustable by spring, power size 2-4.

- 180° Opening Angle
- Total projection of 40mm from the door
- Available in Silver, Satin Nickel & White for next day delivery



3rd Party
Certification



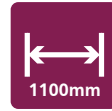
Opening Angle
180°



Two-Stage
Speed Regulation



Guarantee



Max Door
Width



Max Door
Weight



Finishes

See page 98 for more detail



SE
Silver



SNP
Satin Nickel



WH
White



Certification
✓✓✓



1720



1812

Product Features

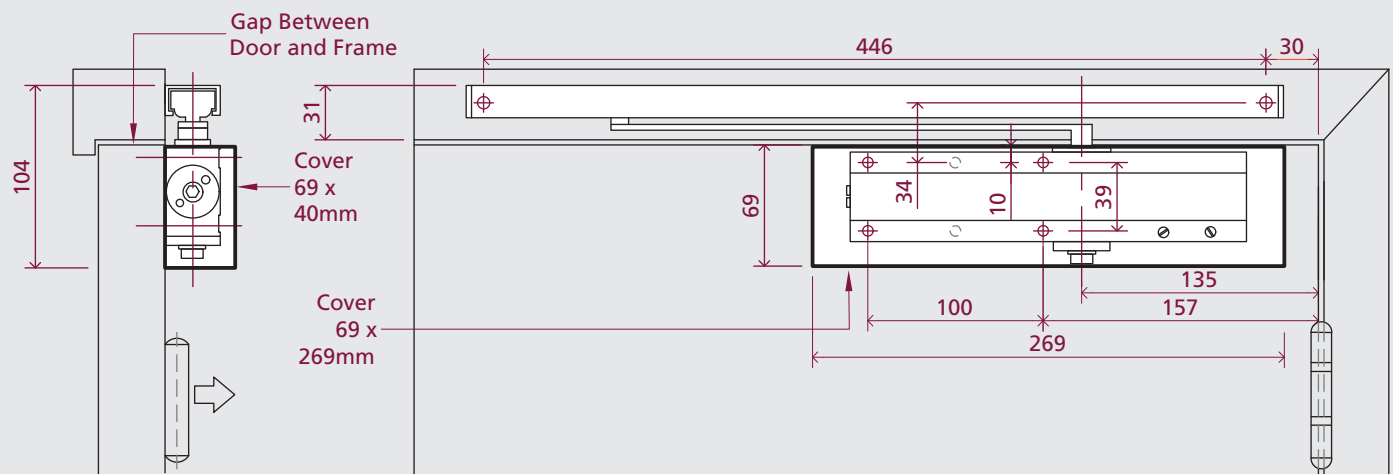
TS.24

Delayed Action	-
Back Check	-
Opening Angle	180°
Fig.1 Pull Side Door Width	490-1100mm
Fig.66 Push Side Door Width	490-1100mm
Max Door Weight	80kg
Power Adjustment	By Spring
Hold Open (not for fire doors)	o
Dimensions (including cover)	W269 x H69 x D40mm

Certification Compliance

Certifire	-
UKCA	✓
CE	✓
BS EN 1154	✓
BS EN 1634	✓
UL10C	-
UL228	-
ANSI BHMA	-
IFCC	✓

Key: ✓ Yes - No o Option

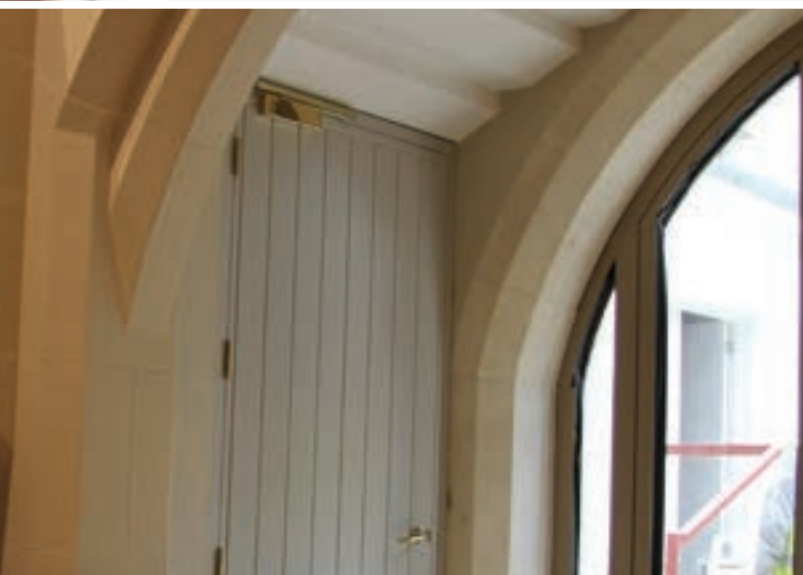


All dimensions shown are in mm.

For fitting instructions see website

SLIDE ARM DOOR CLOSERS

TS.11204



SLIDE ARM DOOR CLOSERS

TS.11204

Being renowned for its high efficiency and ease of opening with a cam action mechanism, the TS.11204 is a Certifire approved door closer for both push and pull side applications. This surface fixed slide arm door closer has a slimline projection of only 39mm, and is power adjustable by spring, power size 2-4.

- Universal fitting – can be fitted in pull-side, push-side or transom fitting position
- Option of Square (Satin Nickel only) or Semi-Radius cover
- Available in Silver, Satin Nickel, Polished Nickel, Polished Brass, Black & Antique Brass for next day delivery



3rd Party
Certification



Opening Angle
110°



Two-Stage
Speed Regulation



Guarantee



Max Door
Width



Max Door
Weight



Square Cover (SQ)



Semi Radius Cover (SR)

Finishes

See page 98 for more detail



SE
Silver



SNP
Satin Nickel



PNP
Polished Nickel



PVD
Polished Brass



AB
Antique Brass



BK
Black



Certification
✓✓✓



1720



Approved Product
CF 6006



1812

Product Features

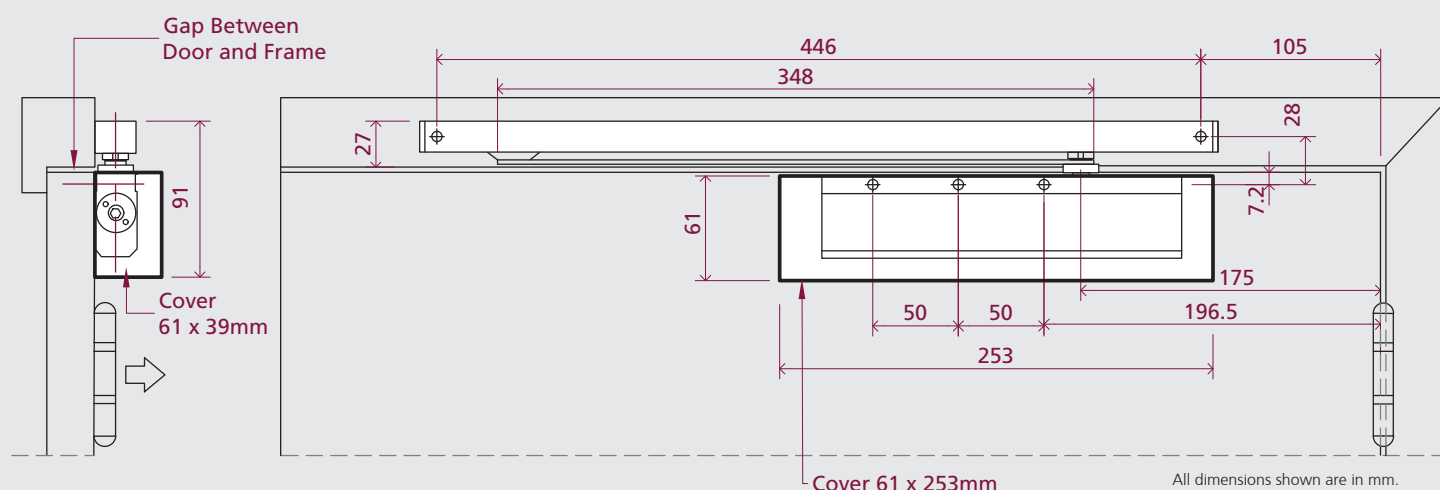
TS.11204

Delayed Action	-
Back Check (Cushion stop available)	-
Opening Angle	110°
Fig.1 Pull Side Door Width	575-1100mm
Fig.66 Push Side Door Width	575-1100mm
Fig.1 BS8300 Min Door Width	857mm
Max Door Weight	<80kg
Power Adjustment	By Spring
Hold Open (not for fire doors)	-
Dimensions (including cover)	W253 x H61 x D39mm

Certification Compliance

Certifire	✓
UKCA	✓
CE	✓
BS EN 1154	✓
BS EN 1634	✓
UL10C	-
UL228	✓
ANSI BHMA	-
IFCC	✓

Key: ✓ Yes - No ◦ Option

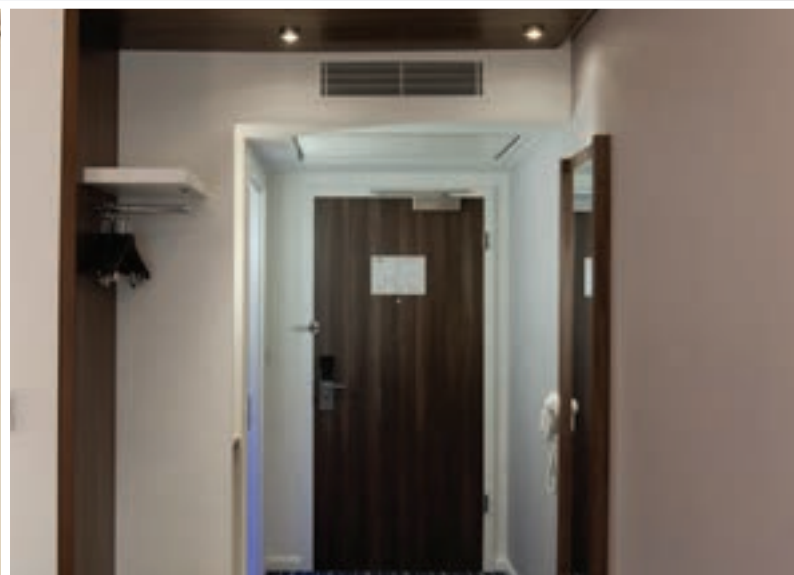


All dimensions shown are in mm.

For fitting instructions see website

SLIDE ARM DOOR CLOSERS

TS.11205



SLIDE ARM DOOR CLOSERS

TS.11205

The Rutland Certifire approved TS.11205 Cam Action door closer gets the perfect balance between ease of opening for the less able whilst having enough power to close doors up to 1250mm wide and 110kg, making it ideal for contracts where requirements include meeting Doc M and BS8300 (or formerly DDA).

- Available with optional back check and delayed action
- Power Adjustable by spring, size 2-5
- Available in Silver, Satin Nickel, Polished Nickel & Polished Brass for next day delivery



3rd Party
Certification



Opening Angle
120°



Two-Stage
Speed Regulation



Guarantee



Max Door
Width



Max Door
Weight



Finishes

See page 98 for more detail



SE
Silver



SNP
Satin Nickel



PNP
Polished Nickel



PVD
Polished Brass



Certification
✓✓✓



1720



Approved Product
CF 6006



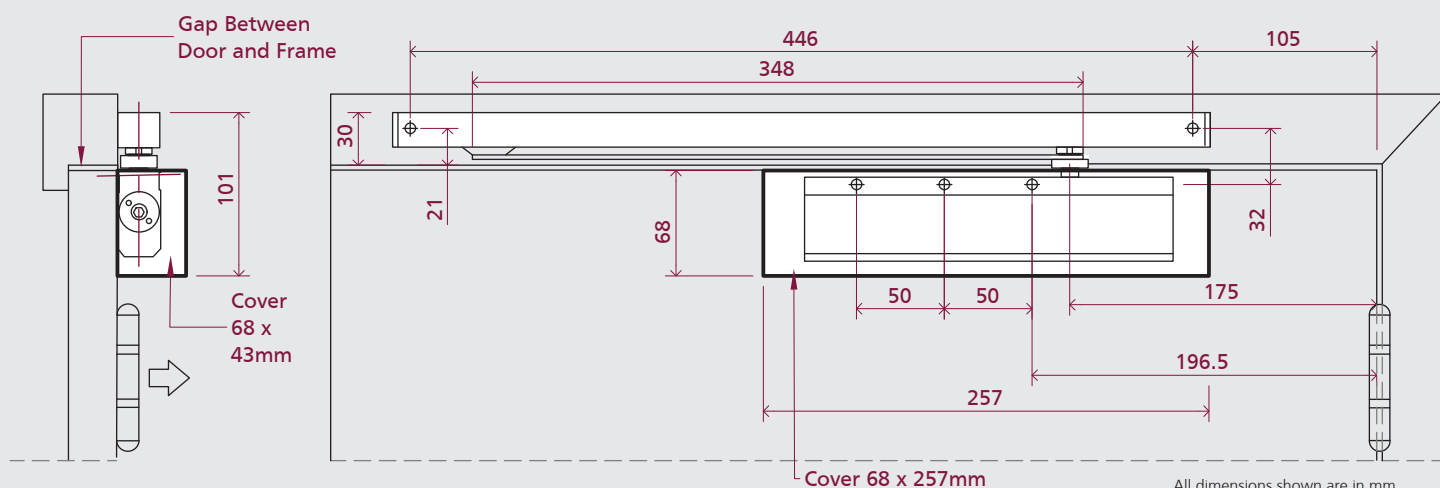
1812



Product Features

TS.11205

Delayed Action	TS.11205DA
Back Check	TS.11205BC
Opening Angle	120°
Fig.1 Pull Side Door Width	575-1250mm
Fig.66 Push Side Door Width	575-1250mm
Fig.1 BS8300 Min Door Width	857mm
Max Door Weight	<110kg
Power Adjustment	By Spring
Hold Open (not for fire doors)	o
Dimensions (including cover)	W257 x H68 x D43mm
Certification Compliance	
Certifire	✓
UKCA	✓
CE	✓
BS EN 1154	✓
BS EN 1634	✓
UL10C	-
UL228	✓
ANSI BHMA	-
IFCC	✓
Key: ✓ Yes - No o Option	



All dimensions shown are in mm.

For fitting instructions see website



Concealed Slide Arm Door Closers

Highly efficient with a slimline mechanism, some being suitable for 44mm thick doors.

Available in a variety of finishes.



ITS.11204 PAGE 30

- Variable power adjustment EN2-4
- CE, UKCA marked and UL listed
- Easy to use template fitting instructions
- Suitable for both 44 and 54mm thick doors



ITS.11205 PAGE 32

- Variable power adjustment EN2-5
- Engineered from exceptional high quality components
- Easy to use template fitting instructions
- Suitable for 54mm+ thick doors



ITS.11204.3.5 PAGE 34

- Variable power adjustment EN2-4
- Assists Document M and BS 8300
- Easy to use template fitting instructions
- Designed for hollow profile frames, but can be used in solid frames

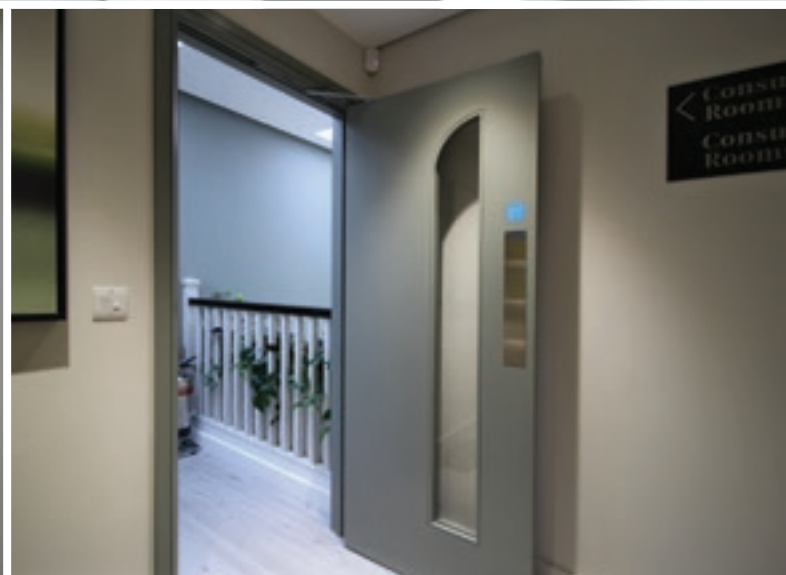
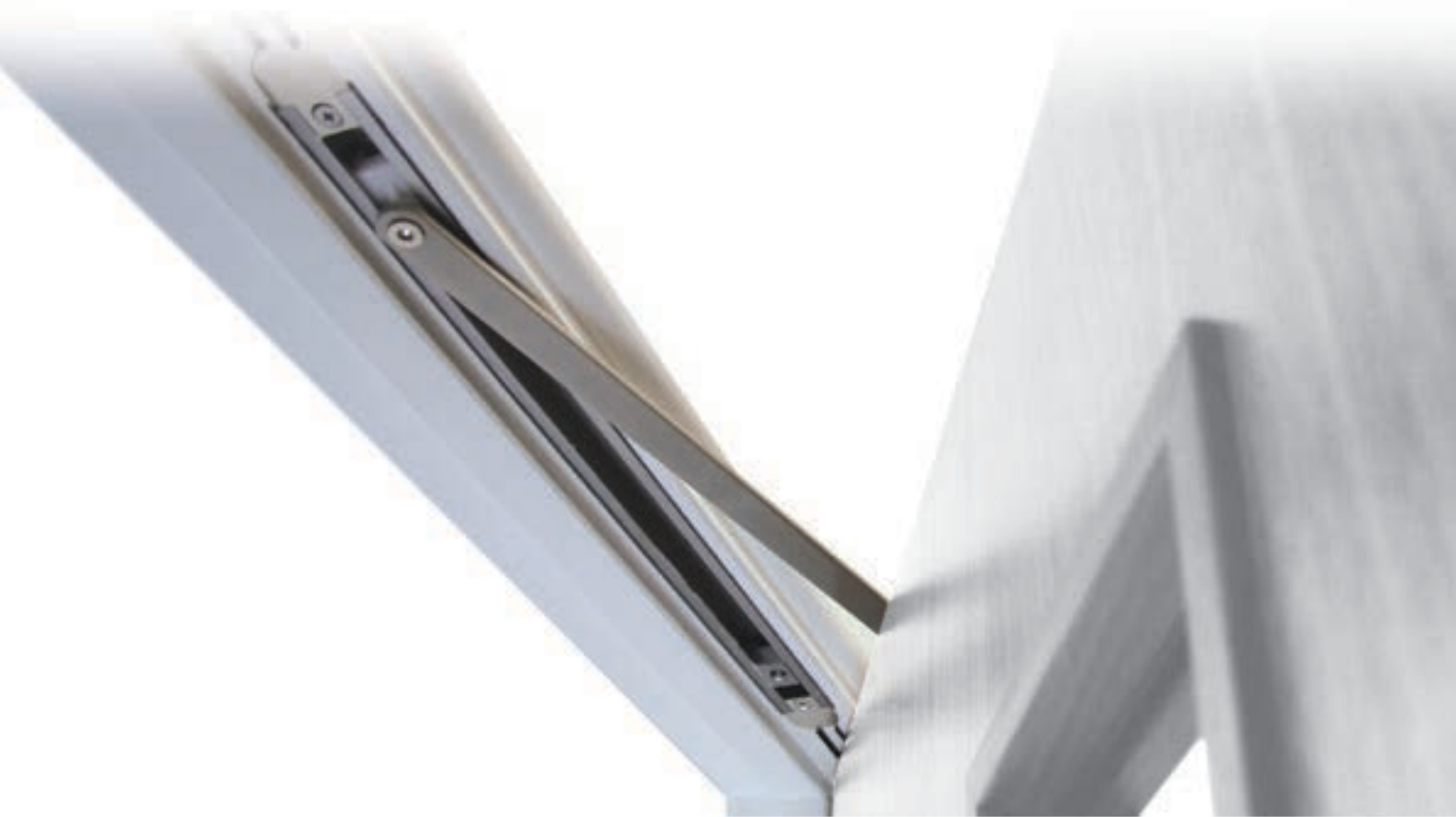


ITS.H3 PAGE 35

- Fixed power size EN3
- Available with 'hold-open' or 'non-hold-open'
- Adjustable closing and latching speed

CONCEALED SLIDE ARM DOOR CLOSERS

ITS.11204



CONCEALED SLIDE ARM DOOR CLOSERS

ITS.11204

Renowned for its slimline mechanism (32mm body) and suitability for assisting BS8300 requirements, the Rutland ITS.11204 Cam Action door closer has been successfully fire tested numerous times in 44mm fire doors, making it a perfect door closer for situations where minimal aesthetics are required.

- Certifire Approved
- Power Adjustable by spring, size 2-4
- Suitable for both 44 and 54mm thick doors
- Available in Silver, Satin Nickel, Polished Nickel, Polished Brass & Antique Brass for next day delivery



3rd Party
Certification



Opening Angle
110°



Two-Stage
Speed Regulation



Guarantee



Max Door
Width



Max Door
Weight



Intumescent kit
(IP.114)



Finishes

See page 98 for more detail



SE
Silver



SNP
Satin Nickel



PNP
Polished Nickel



PVD
Polished Brass



AB
Antique Brass



BK
Black



Certification
✓✓✓



1720



Approved Product
CF 5902



1812



Product Features

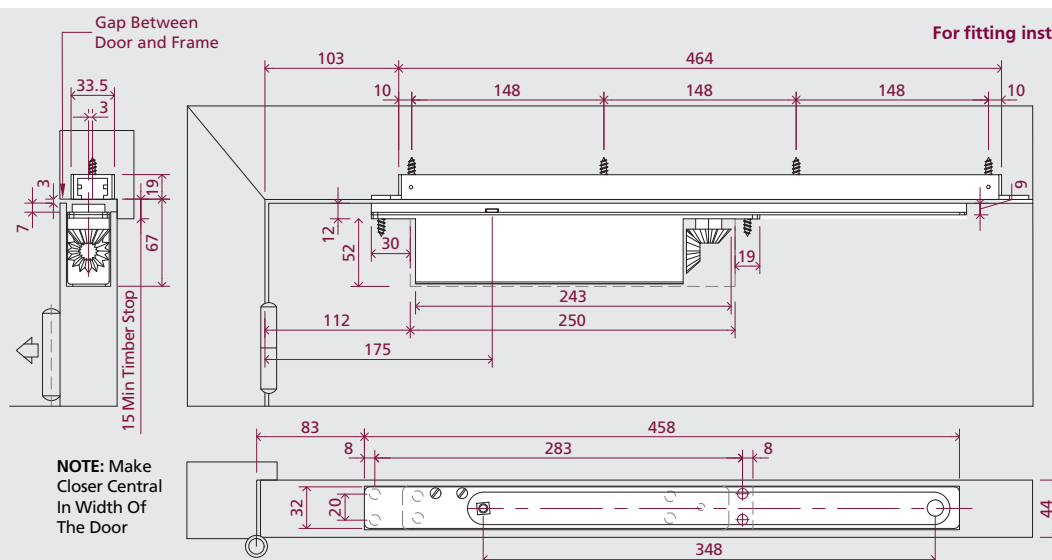
ITS.11204

Delayed Action	-
Back Check	-
Opening Angle	110°
Fig.1 Pull Side Door Width	595-1100mm
Fig.66 Push Side Door Width	595-1100mm
Fig.1 BS8300 Min Door Width	835mm
Max Door Weight	<130kg
Power Adjustment	By Spring
Hold Open (not for fire doors)	o
Dimensions	W243 x H52 x D32mm

Certification Compliance

Certifire	✓
UKCA	✓
CE	✓
BS EN 1154	✓
BS EN 1634	✓
UL10C	-
UL228	✓
ANSI BHMA	-
IFCC	✓

Key: ✓ Yes - No o Option



CONCEALED SLIDE ARM DOOR CLOSERS

ITS.11205



CONCEALED SLIDE ARM DOOR CLOSERS

ITS.11205

Renowned for its high efficiency, the Rutland ITS.11205 cam action door closer has size 2-5 power adjustment and is suitable for use in doors 54mm thick. With its cam and roller mechanism, and ease of opening, this closer is suitable for assisting Document M and BS8300 requirements.

- Fully concealed when the door is closed
- Power Adjustable by spring, size 2-5
- Available in Silver, Satin Nickel, Polished Nickel, Polished Brass & Black for next day delivery



3rd Party
Certification



Opening Angle
120°



Two-Stage
Speed Regulation



Guarantee



Max Door
Width



Max Door
Weight



Intumescent kit
(IP.115)

Finishes

See page 98 for more detail



SE
Silver



SNP
Satin Nickel



PNP
Polished Nickel



PVD
Polished Brass



BK
Black

Product Features

ITS.11205

Delayed Action	-
Back Check	-
Opening Angle	120°
Fig.1 Pull Side Door Width	595-1250mm
Fig.66 Push Side Door Width	595-1250mm
Fig.1 BS8300 Min Door Width	835mm
Max Door Weight	<110kg
Power Adjustment	By Spring
Hold Open (not for fire doors)	o
Dimensions	W243 x H58 x D42mm

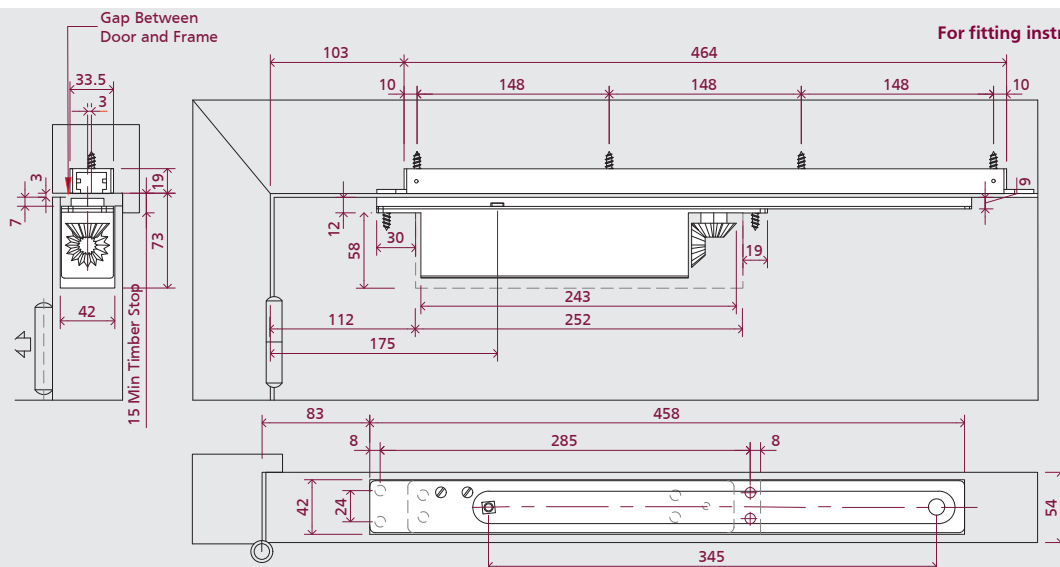
Certification Compliance

Certifire	-
UKCA	✓
CE	-
BS EN 1154	✓
BS EN 1634	✓
UL10C	-
UL228	✓
ANSI BHMA	-
IFCC	✓

Key: ✓ Yes - No o Option



1720



All dimensions
shown are in mm.

CONCEALED SLIDE ARM DOOR CLOSERS

ITS.11204.3.5

Renowned for its slimline mechanism (32mm body) and suitability for assisting BS8300 requirements, the key difference between the ITS.11204 and the ITS.11204.3.5 is the slimline micro rail that comes as standard on the ITS.11204.3.5, allowing the concealed closer to be used in door frames of thinner and more shallow widths.

- Slim micro rail of 20 x 30mm
- Power Adjustable by spring, size 2-4
- Available in Silver & Satin Nickel for next day delivery
- Designed for hollow profile frames, but can be used in solid timber frames



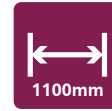
Opening Angle
110°



Two-Stage
Speed Regulation



Guarantee



Max Door
Width



Max Door
Weight



Intumescent
kit (IP.114M)



Finishes

See page 98 for more detail



SE
Silver

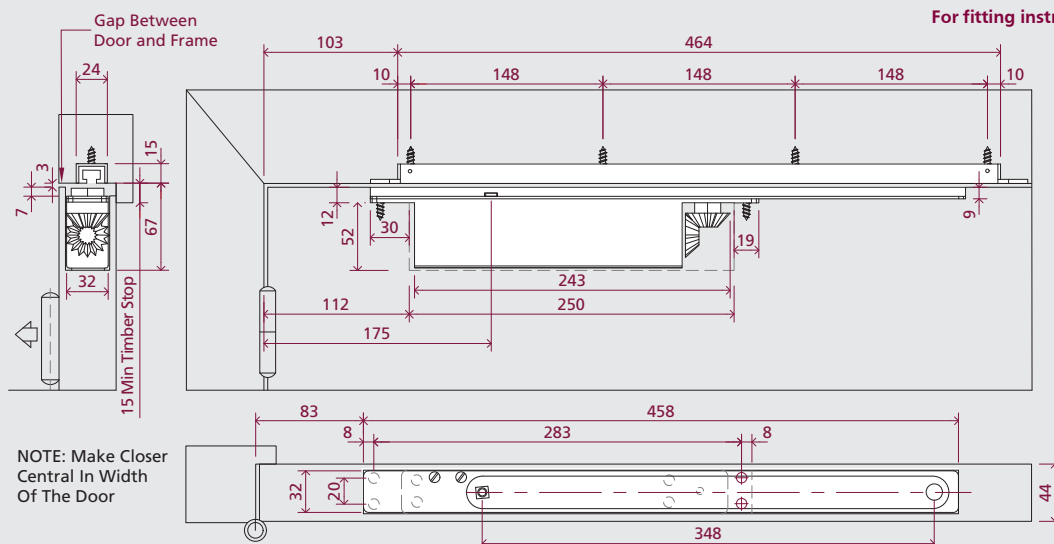


SNP
Satin Nickel

Product Features

ITS.11204.3.5

Delayed Action	-
Back Check	-
Opening Angle	110°
Door Width	595-1100mm
BS8300 Min Door Width	835mm
Max Door Weight	<130kg
Power Adjustment	By Spring
Hold Open (not for fire doors)	o
Dimensions	W243 x H52 x D32mm
Key: ✓ Yes - No o Option	



CONCEALED DOOR CLOSERS

ITS.H3 – Heel Closer

The Rutland concealed Heel Closer requires no cut-out in the floor or frame of the door and can be used in doors of minimum thickness 40mm.

- Available with 'Hold-open' or 'non-hold-open'
- Fixed power size 3
- Adjustable closing and latching speed



Opening Angle
150°



Two-Stage
Speed Regulation



Guarantee



Max Door
Width



Max Door
Weight



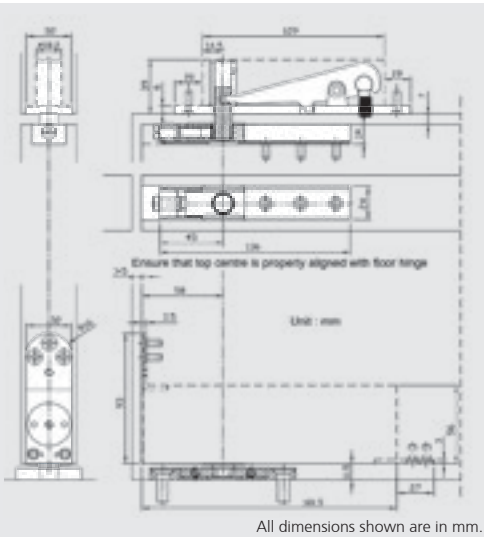
Finishes

See page 98 for more detail



SE
Silver

Product Features	ITS.H3 – Heel Closer
Hold Open	o
Opening Angle	150°
Max Door Width	1000mm
Max Door Weight	<100kg
Power Adjustment	By Spring
Hold Open (not for fire doors)	90°
Dimensions	W181 x H93 x D32mm
Key: ✓ Yes - No o Option	



All dimensions shown are in mm.





Electromagnetic Door Closers

Highly adaptable closers, suitable for use in varying applications, from care-homes to airports.

Available in a variety of finishes.



Responder 24 PAGE 38

- Fixed power size EN 4
- Available as either Hold open or Swing free
- UKCA marked
- Activated by fire alarm or over ridden on the switch if required
- Power supply unit available on request
- Easy to use template fitting instructions



TS.Firetrak.114 PAGE 40

- Variable power size EN 2-4
- CE marked
- Electromagnet is activated by the fire alarm or over-ridden on the switch



TS.Firetrak.115 PAGE 41

- Variable power size EN 2-5
- CE marked
- Electromagnet is activated by the fire alarm or over-ridden on the switch

ELECTROMAGNETIC DOOR CLOSERS

Responder 24

Power Supply Unit

Please see page 55
for more detail.



ELECTROMAGNETIC DOOR CLOSERS

Responder 24

Offering Hold-Open & Swing-free modes, and being fully universal fitting with left, right, push & pull available from one box, the Responder 24 is a highly adaptable closer, suitable for use in varying applications, from care-home scenarios where swing-free is in demand, to airports and schools, where high-traffic passes through a door.

- Electromagnetic technology ensuring safe closure in a fire alarm activation
- 5 Finishes available for next day delivery
- Fire tested to EN1634-1 standard



3rd Party
Certification



Opening Angle
150°



Two-Stage
Speed Regulation



Guarantee



Max Door
Width



Max Door
Weight



Finishes

See page 98 for more detail



SE
Silver



SNP
Satin Nickel



PNP
Polished Nickel



PVD
Polished Brass



AB
Antique Brass



Certification
✓✓✓



1720



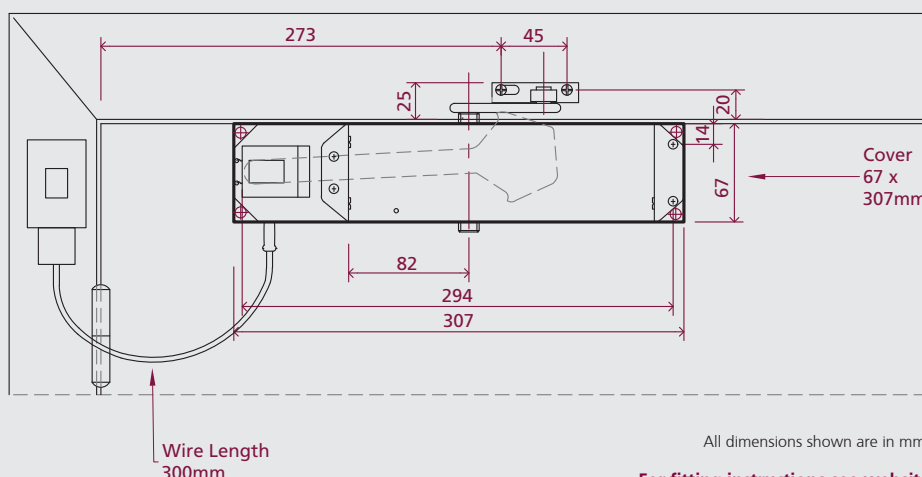
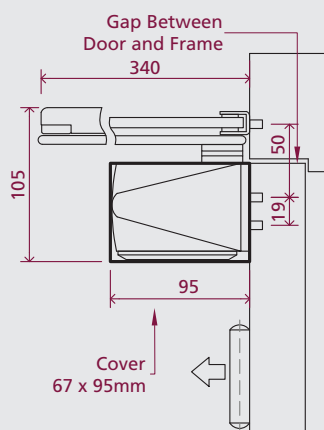
1812

Product Features

Responder 24

Delayed Action	-
Back Check	-
Opening Angle	150°
Fig.1 Pull Side Door Width	385-1100mm
Fig.66 Push Side Door Width	502-1100mm
Max Door Weight	<80kg
Power Adjustment	-
Hold Open	o
Dimensions (including cover)	W307 x H67 x D95mm
Certification Compliance	
Certifire	-
UKCA	✓
CE	✓
BS EN 1154	✓
BS EN 1155	✓
BS EN 1634	✓
UL10C	-
UL228	-
ANSI BHMA	-
IFCC	✓

Key: ✓ Yes - No o Option



All dimensions shown are in mm.

For fitting instructions see website

ELECTROMAGNETIC DOOR CLOSERS

TS.FIRETRAK.114

The TS.FIRETRAK.114 Electromagnetic Slide Arm Closer is a surface mounted Electromagnetic hold open slide arm with cam action door closer designed for fire and smoke compartmentation doors. Fire and smoke doors will operate in a controlled close with the TS.FIRETRAK.114 when the fire or smoke alarm is activated.

- Universal Application
- Power Adjustable by spring, size 2-4
- Available in Silver or Satin Nickel for next day delivery



3rd Party
Certification



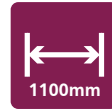
Opening Angle
130°



Two-Stage
Speed Regulation



Guarantee



Max Door
Width



Max Door
Weight



Finishes

See page 98 for more detail



SE
Silver



SNP
Satin Nickel



Certification
✓✓✓

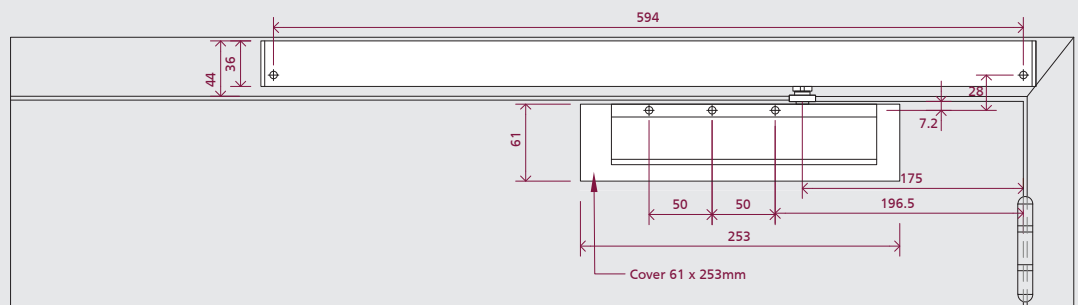
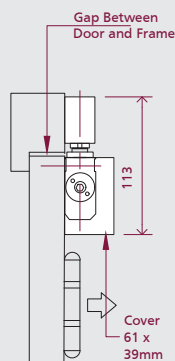


1812

Product Features

TS.FIRETRAK.114

Delayed Action	-
Back Check	-
Opening Angle	130°
Door Width	600-1100mm
BS8300 Min Door Width	857mm
Max Door Weight	<80kg
Power Adjustment	By Spring
Hold Open	✓
Dimensions (including cover)	W253 x H61 x D39mm
Certification Compliance	
Certifire	-
UKCA	-
CE	✓
BS EN 1154	✓
BS EN 1155	✓
BS EN 1634	✓
UL10C	-
UL228	-
ANSI BHMA	-
IFCC	✓
Key: ✓ Yes - No ◦ Option	



For fitting instructions see website

All dimensions shown are in mm.

ELECTROMAGNETIC DOOR CLOSERS

TS.FIRETRAK.115

The TS.FIRETRAK.115 Electromagnetic Slide Arm Closer is a surface mounted Electromagnetic hold-open slide arm with cam action door closer designed for fire and smoke compartmentation doors. Fire and smoke doors will operate in a controlled close with the TS.FIRETRAK.115 when the fire alarm is activated.

- Universal Application
- Power Adjustable by spring, size 2-5
- Available in Silver or Satin Nickel for next day delivery



3rd Party
Certification



Opening Angle
130°



Two-Stage
Speed Regulation



Guarantee



Max Door
Width



Max Door
Weight



Finishes

See page 98 for more detail



SE
Silver



SNP
Satin Nickel



Certification
✓✓✓

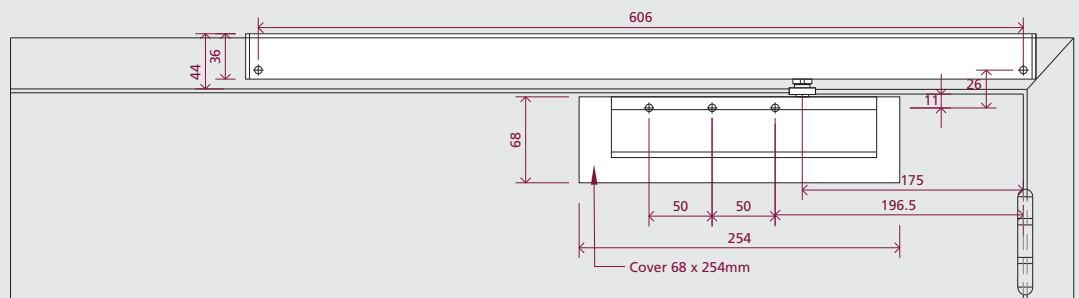
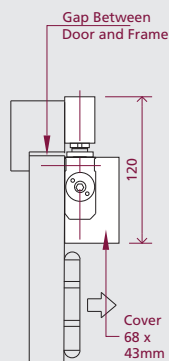


1812

Product Features

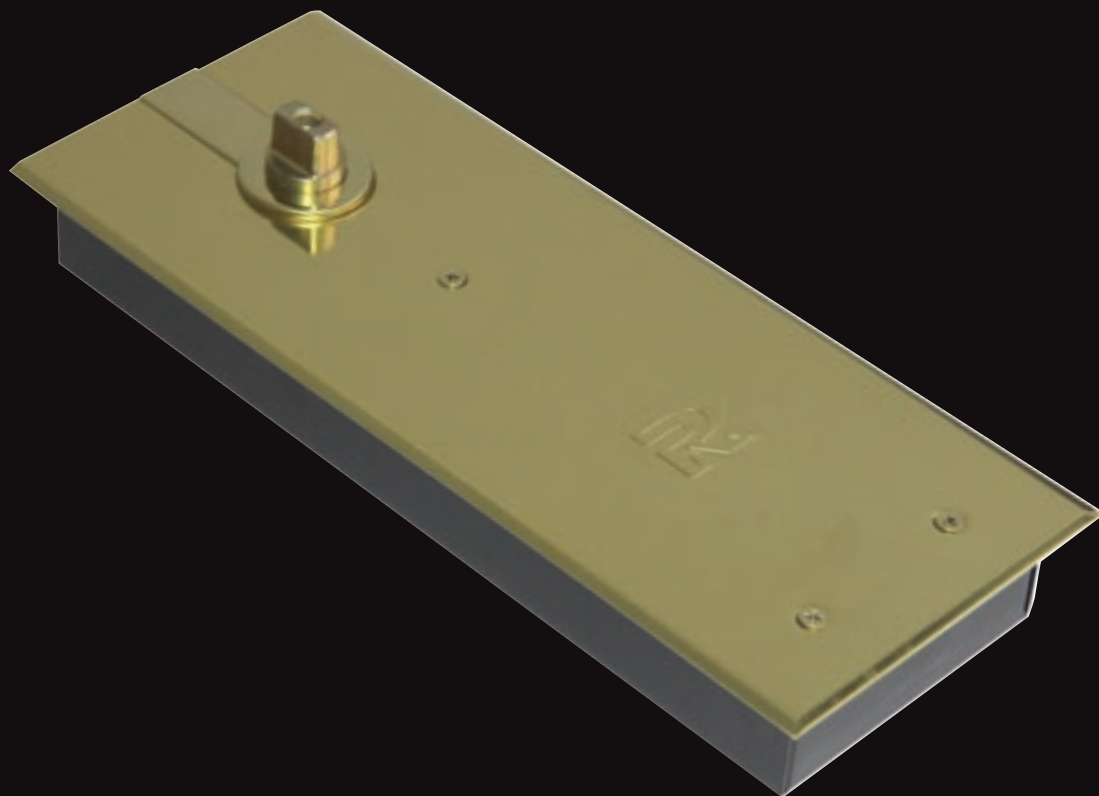
TS.FIRETRAK.115

Delayed Action	-
Back Check	-
Opening Angle	130°
Door Width	600-1250mm
BS8300 Min Door Width	857mm
Max Door Weight	<110kg
Power Adjustment	By Spring
Hold Open	✓
Dimensions (including cover)	W254 x H68 x D43mm
Certification Compliance	
Certifire	-
UKCA	-
CE	✓
BS EN 1154	✓
BS EN 1155	✓
BS EN 1634	✓
UL10C	-
UL228	-
ANSI BHMA	-
IFCC	✓
Key: ✓ Yes - No ◦ Option	



For fitting instructions see website

All dimensions shown are in mm.



Floor Spring Door Closers

Ideal for locations such as hospitals
and care homes where easy opening
is essential.

Available in a variety of finishes.



TS.7003 + TS.7004 PAGE 44

- Available in two power sizes – EN 3/4
- UKCA marked and UL listed
- Renown for its Adaptability and Reliability
- Standard spindle size - 8mm



TS.7104 PAGE 46

- Adjustable power size EN 1-4
- UKCA marked
- Standard spindle size - 8mm



TS.7306 PAGE 47

- Variable power size EN3-6, adjustable by spring
- Available in double or single action kits
- Standard spindle size - 8mm

FLOOR SPRING DOOR CLOSERS

TS.7003 + TS.7004



FLOOR SPRING DOOR CLOSERS

TS.7003 + TS.7004

The Rutland TS.7003 + TS.7004 Floor Spring range is made up of two different power sizes - EN3 and EN4. These closers are ideal for locations such as hospitals and care homes where easy opening is essential. They are enhanced with powerful, user friendly cam and roller action mechanisms.

- Varying spindle options from 3mm-48mm (8mm supplied as standard)
- Available in Satin Stainless finish, special finishes available on request
- Hollow mount cradle available for hollow floor mounting



3rd Party
Certification



Opening Angle
130°



Two-Stage
Speed Regulation



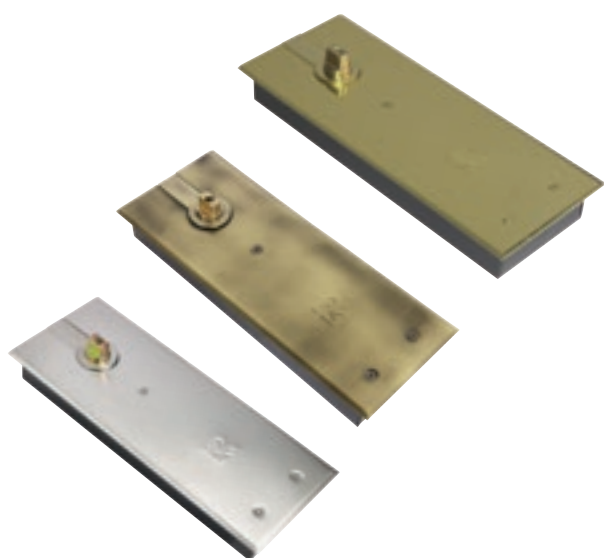
Guarantee



Max Door
Width

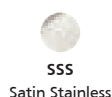


Max Door
Weight



Finishes

See page 98 for more detail



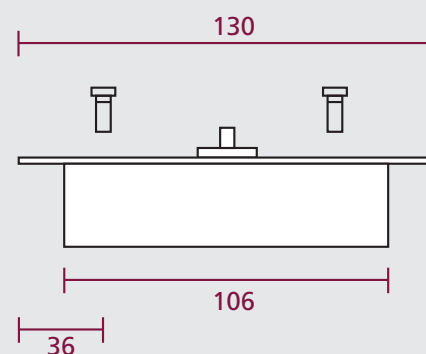
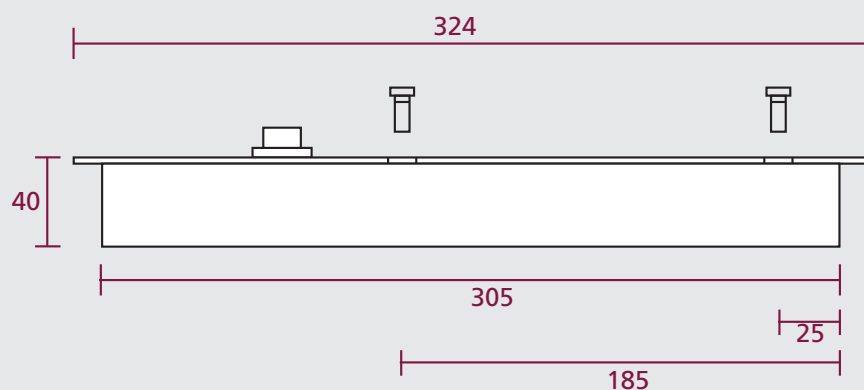
Special finishes
available upon request



Product Features

TS.7003 + TS.7004

Delayed Action	-
Back Check	-
Opening Angle	130°
Max Door Width EN3	950mm
Max Door Width EN4	1150mm
Max Door Weight EN3	<105kg
Max Door Weight EN4	<150kg
Power Adjustment	-
Hold Open (not for fire doors)	o
Dimensions (including cover)	W305 x H40 x D106mm
Certification Compliance	
Certifire	-
UKCA	✓
CE	-
BS EN 1154	✓
BS EN 1634	✓
UL10C	✓
UL228	✓
ANSI BHMA	-
IFCC	✓
Key: ✓ Yes - No o Option	



All dimensions shown are in mm.

For fitting instructions see website

FLOOR SPRING DOOR CLOSERS

TS.7104

The Rutland TS.7104 Floor Spring is a slimline floor spring ideal for locations such as hospitals and care homes where ease of opening is essential. It comes with adjustable power size EN1-4 and is enhanced by a powerful, user friendly cam and roller action mechanism.

- Variable Power size EN1-4 – doors up to 150kg & 1150mm wide
- available in Satin Stainless finish, special finishes available on request
- Varying spindle options from 3mm-48mm (8mm supplied as standard)



3rd Party
Certification



Opening Angle
130°



Two-Stage
Speed Regulation



Guarantee



Max Door
Width



Max Door
Weight



Finishes

See page 98 for more detail



Special finishes
available upon request

UK
CA
1720

Product Features

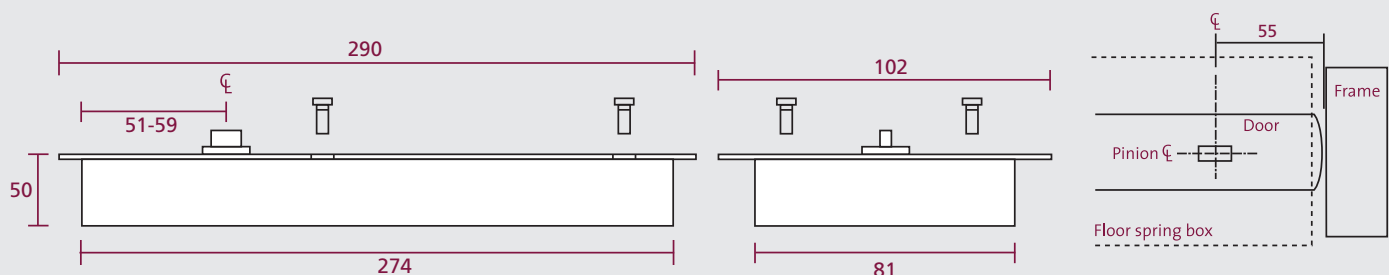
TS.7104

Delayed Action	-
Back Check	-
Opening Angle	130°
Max Door Width	1150mm
Max Door Weight	<150kg
Power Adjustment	By Spring
Hold Open	o
Dimensions (including cover)	W274 x H50 x D81mm

Certification Compliance

Certifire	-
UKCA	✓
CE	-
BS EN 1154	✓
BS EN 1634	✓
UL10C	-
UL228	-
ANSI BHMA	-
IFCC	-

Key: ✓ Yes - No o Option



For fitting instructions see website

All dimensions shown are in mm.

FLOOR SPRING DOOR CLOSERS

TS.7306

The Rutland TS.7306 Heavy Duty Floor Spring has a variable power size EN3-6 adjustable by spring. Available as double or single action units as well as hold open and non-hold open.

- Variable Power size EN3-6 – doors up to 300kg & 1450mm wide
- Power Adjustable by spring, size 3-6
- Varying spindle options from 3mm-48mm (8mm supplied as standard)



Opening Angle
150°



Two-Stage
Speed Regulation



Guarantee



Max Door
Width



Max Door
Weight



Finishes

See page 98 for more detail

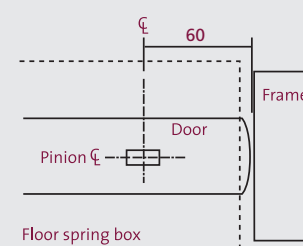
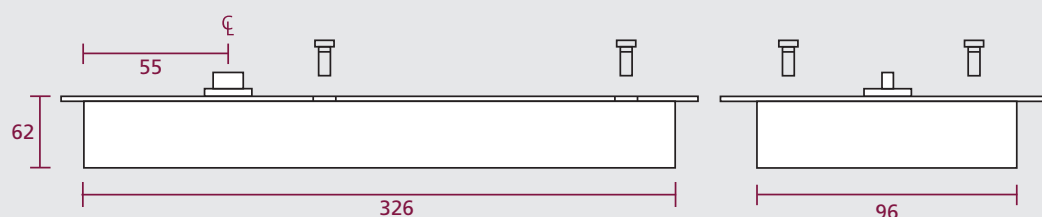


SSS
Satin Stainless

Product Features

TS.7306

Delayed Action	-
Back Check	-
Opening Angle	150°
Max Door Width	1450mm
Max Door Weight	<300kg
Power Adjustment	By Spring
Hold Open	o
Dimensions (including cover)	W326 x H62 x D96mm
Key: ✓ Yes - No o Option	



For fitting instructions see website

All dimensions shown are in mm.



Glass Patch Closers

Ideal for situations such as concrete floors where it's difficult to use the traditional Floor Spring closers.

For use with glass thicknesses from 8-13mm.



GP.3 PAGE 50

- Fixed power size EN 3
- UL listed
- Ideal for concrete floors with underfloor services, pipes and mains
- Average saving of 1 hour for fitting compared to traditional floor springs



GP.35 PAGE 51

- Variable power size EN 3-5
- UL listed
- Ideal for concrete floors with underfloor services, pipes and mains
- Average saving of 1 hour fitting compared to traditional floor springs

GLASS PATCH DOOR CLOSERS

GP.3

The Rutland GP.3 Hydraulic Glass Patch Closer is a size EN 3 closer and has been used in many varied applications globally, ideal for situations such as concrete floors where it's difficult to use the traditional Floor Spring closer due to underfloor heating and services. Glass thickness can vary from 8mm to 13mm due to the necessary fitting packs, spacers and supports. This is available in a non-hold open mechanism.

- Universal Application
- Available in Satin Stainless Steel or Black
- Hold-Open or Non-Hold-Open available



Opening Angle
130°



Two-Stage
Speed Regulation



Guarantee



Max Door
Width



Max Door
Weight



Finishes

See page 98 for more detail



SSS
Satin Stainless



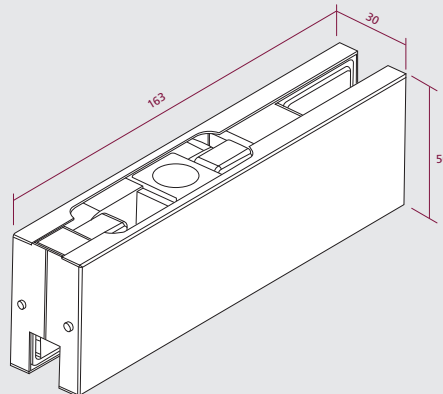
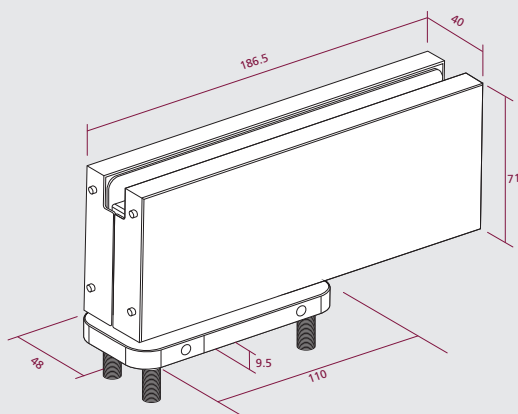
BK
Black



Product Features

GP.3

Delayed Action	-
Back Check	-
Opening Angle	130°
Max Door Width	950mm
Max Door Weight	<80kg
Power Adjustment	-
Hold Open	0
Dimensions (including cover)	W186.5 x H71 x D40mm
Key: ✓ Yes - No ◦ Option	



For fitting instructions see website

All dimensions shown are in mm.

GLASS PATCH DOOR CLOSERS

GP.35

Similar to the GP.3 door closer, the GP.35 Hydraulic Glass Patch Closer is commonly used in situations where floor spring

closers are not an option due to underfloor heating and services. The difference with the GP.35 is the power size, in that it is power adjustable size EN3-5. Glass thickness can vary from 10-15mm, and a non-hold open mechanism is available.

- Power adjustable size EN3-5
- Universal application
- Available in Satin Stainless finish



Opening Angle
130°



Two-Stage
Speed Regulation



Guarantee



Max Door
Width



Max Door
Weight



Finishes

See page 98 for more detail



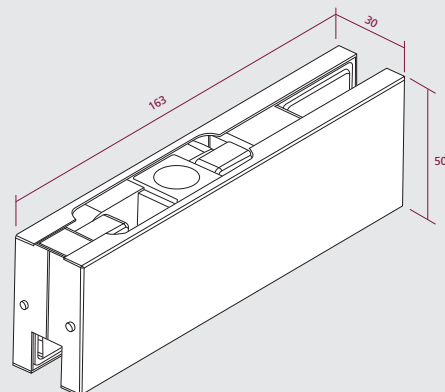
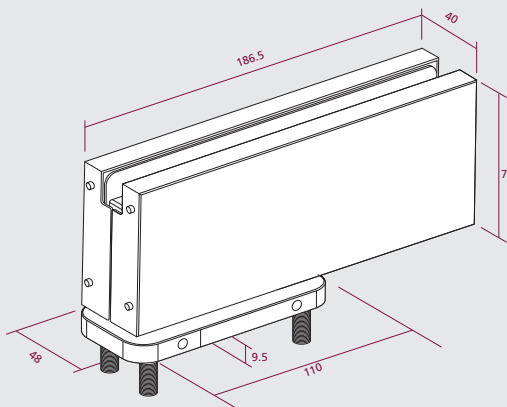
SSS
Satin Stainless



Product Features

GP.35

Delayed Action	-
Back Check	-
Opening Angle	130°
Max Door Width	1250mm
Max Door Weight	<100kg
Power Adjustment	By Spring
Hold Open	o
Dimensions (including cover)	W186.5 x H71 x D40mm
Key: ✓ Yes - No o Option	



For fitting instructions see website

All dimensions shown are in mm.

TRANSOM CLOSERS

TS.8000

Designed for egress doors not needing to be fire rated, the Rutland TS.8000 Transom Closers are fitted into the transom of a door which is the top of the door frame, and feature cam and roller mechanisms. They are supplied in three fixed power sizes as standard - EN2, EN3 + EN4.

- Available as Hold-Open or Non-Hold Open
- Easy opening with cam and roller mechanism
- Universal application



Opening Angle
130°



Two-Stage
Speed Regulation



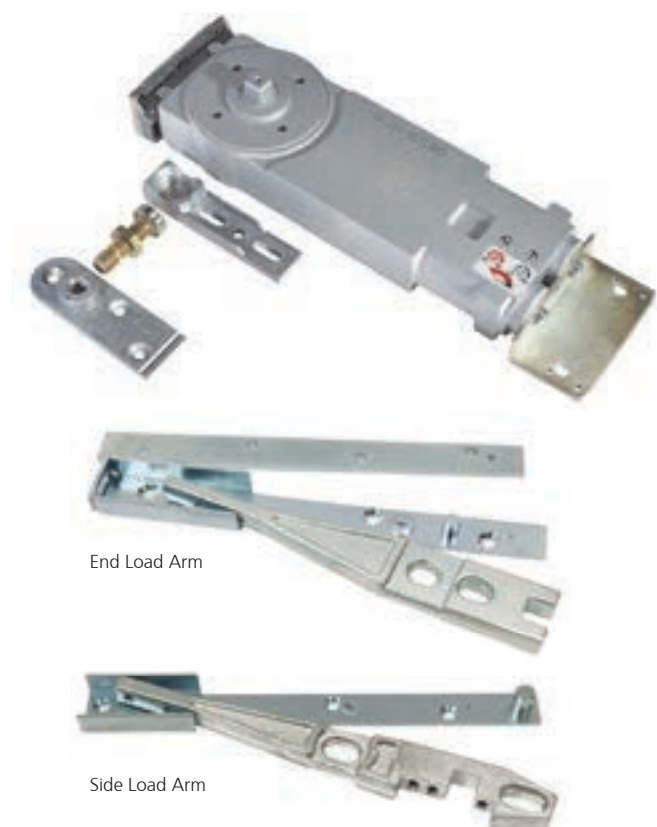
Guarantee



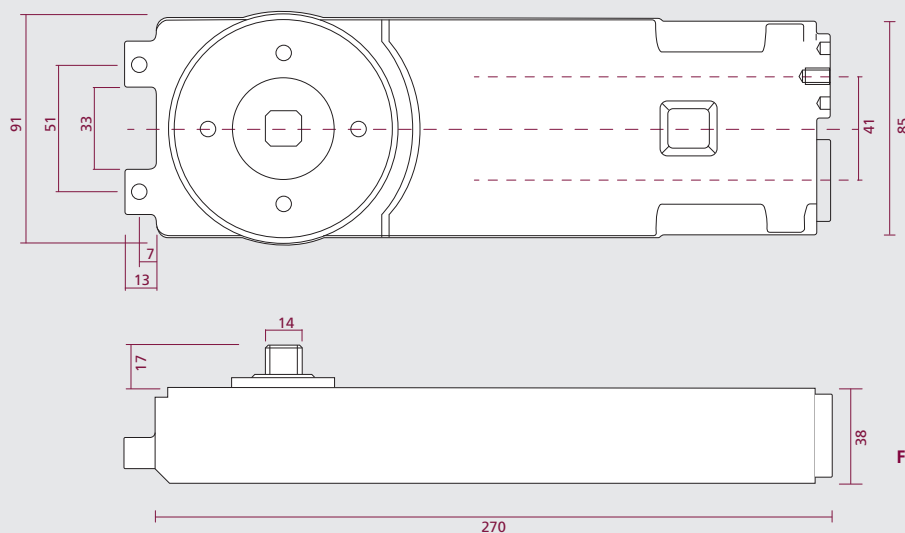
Max Door
Width



Max Door
Weight



Product Features	TS.8000
Delayed Action	-
Back Check	-
Opening Angle	130°
Max Door Width	TS.8002 - 850mm TS.8003 - 950mm TS.8004 - 1100mm
Max Door Weight	TS.8002 - <70kg TS.8003 - <105kg TS.8004 - <150kg
Max Door Weight	TS.8002 - Fixed EN2 TS.8003 - Fixed EN3 TS.8004 - Fixed EN4
Hold Open	o
Dimensions (including cover)	W270 x H38 x D91mm
Key: ✓ Yes - No o Option	



For fitting instructions see website

All dimensions shown are in mm.

ACCESSORIES – DOOR RESTRICTOR

DR.11000

The DR.11000 Door Restrictor is an ideal option for external doors such as loading bays or goods store entrances to stop the door from getting damaged by the masonry or being ripped off its hinges in windy locations. It comes with the option of a hold open clip which can be inserted to hold the door open, and a cushion stop which acts similar to back check and saves damage to the building and door. The DR.11000 is available in heavy duty silver finish.

- Fully concealed when the door is closed
- Available with Hold-open or cushion stop
- Acts as a restrictor on the door in windy locations



Finishes

See page 98 for more detail



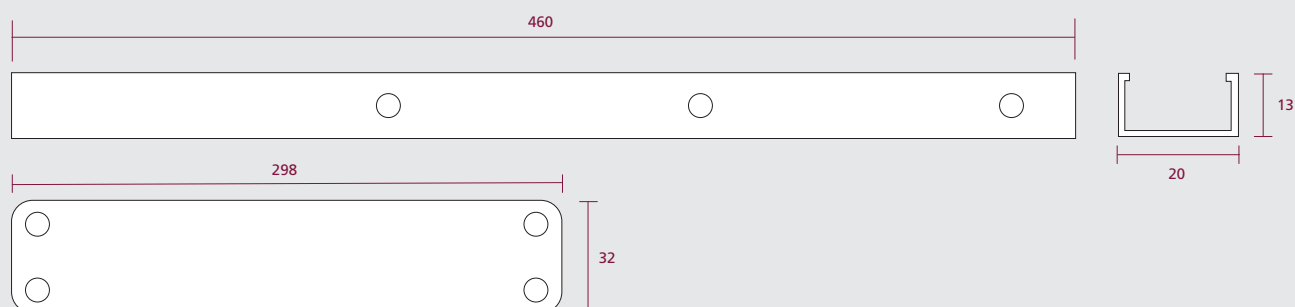
SSS

Satin Stainless



SNP

Satin Nickel



For fitting instructions see website

All dimensions shown are in mm.

ACCESSORIES – BRACKETS

Brackets

Every door closer at some point needs a slightly different bracket to help with the fitting or application on hand. At Rutland this is recognized, considered, designed, manufactured and therefore brackets are stocked to assist with the different door closer fittings and applications.

There may be an alternative bracket required for your situation and the staff at Rutland will be willing to assist with your requirements.



Bracket Options:

- Extended Parallel Arm Bracket – available in a wide range of finishes to suit
- Extra Long Parallel Arm Bracket – available in a wide range of finishes to suit
- Glass door shoe to suit glass (10mm thickness) – for pull side fitting - available in Silver finish
- Soffit Mounting bracket – available in Silver finish
- Pinion Bracket – available in Silver finish
- 'Z' Bracket – available in Silver finish
- Angled 'Z' Bracket – available in Silver finish

ACCESSORIES – POWER SUPPLY UNIT FOR ELECTROMAGNETIC DOOR CLOSERS

PSU.1224.9

This product is a four way regulated Power supply unit to connect electromagnetic door closers to the fire alarm. The control module offers the options to switch in a fail-safe or fail-secure manner using either volt-free or a 24VDC trigger.

Rutland PSU is recommended to be suitable for 4 E-mags, however it is recommended that the fitter consults with the cable voltage drop table due to the fact that cable sizing and length can affect voltage drop. It is the responsibility of the fitter to ensure the correct cable thickness is used for the situation in hand.

- Mild steel construction
- White powder coated
- Switch-mode technology
- Four way regulated power supply
- Cable retention points
- LED indicators for O/P, fault & mains
- Output can be fail-safe or fail-secure
- Full electronic protection
- Short circuit protection
- 24VDC regulated output
- Fused output
- Full current to load



Technical Information	PSU.1224
Output	24VDC
Max Amp	4A
Max Load	Up to 4/5 Responders or Firetraks
Dimensions	W200 x H200 x D65mm

PIVOT SETS

PS.100

Including a retractable top centre pivot with cover plate and bottom strap, the Rutland PS.100 Double Action Pivot set uniquely fits to the frame leg and head which takes away the need to have any fixings into the floor, making it quicker to fit and more adaptable.

- Max Door Weight 80kg
- Double Action
- Grade 314 stainless steel
- Retractable top pivot

*Intumescent must be used on fire doors

Finishes

See page 98 for more detail



SSS
Satin Stainless



Max Door
Weight

PIVOT SETS

PS.170

For single action use, the Rutland PS.170 pivot set has a retractable top centre pivot with a cover plate and bottom strap.

- Max Door Weight 80kg
- Single Action
- Medium duty pivot to suit TS.7000 floor springs
- Tested for use with the spindle bearing PS.260

*Intumescent must be used on fire doors (IP.70)

Finishes

See page 98 for more detail



SSS
Satin Stainless



PVD
Polished Brass



Max Door
Weight

PIVOT SETS

PS.190

For use on large and heavy door sets, the Rutland PS.190 Heavy Duty Pivot Set has a spindle bearing which helps improve performance and has a double lockable anti-vibration door strap, which helps to hold the door in line and maintains the fire integrity of a door.

- Max Door Weight 175kg
- Spindle bearing for improved performance
- Tested for use with PS.260 floor mounted spindle bearing.

*Intumescent must be used on fire doors (IP.190)



Max Door
Weight



Finishes

See page 98 for more detail



SSS
Satin Stainless

PIVOT SETS

PS.190100

A medium duty double action pivot set, the Rutland PS.190100 consists of an adjustable top strap and a bottom pivot which is frame fixed, meaning no interference with underfloor heating or services.

- Max Door Weight 80kg
- Double Action
- Spindle bearing for improved performance
- Top pivot with retractable pin for ease of fitting
- Adjustable top strap allowing doors to be aligned/adjusted.

*Intumescent must be used on fire doors



Max Door
Weight



Finishes

See page 98 for more detail



SSS
Satin Stainless



PVD
Polished Brass

ACCESSORIES – PIVOT SETS

PS.260 Floor Mount Spindle

Rutland's PS.260 Floor mount spindle is a heavy-duty floor mounted bottom spindle that allows doors to swing both ways, and is compatible with the following components:

- PS.170 (Single action pivot)
- PS.190 (Heavy duty double action pivot set)
- TH.106/7 (Emergency release stops)



Guarantee

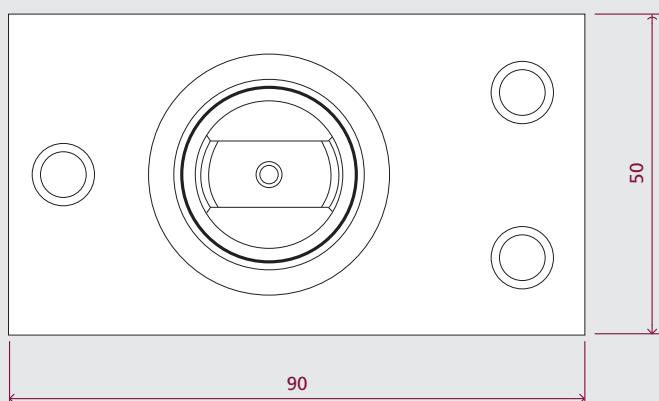


Max Door Weight



- Suitable for FD30 and FD60 doors, to BS 476 for both single and double door applications
- 25 year guarantee
- 304 grade stainless steel plate
- Satin Finish
- Bronze bearings oil impregnated for low maintenance

Product Features	PS.260
Min Door Thickness	44mm
Back Check	-
Opening Angle	130°
Max Door Width	1100mm
Max Door Weight	<200kg
Permitted door gaps on 44mm thick fire doors	3mm Gap
Permitted door gaps on 54mm thick fire doors	3.5mm Gap
Dimensions (including cover)	W186.5 x H71 x D40mm
Key: ✓ Yes - No ◦ Option	



ACCESSORIES – EMERGENCY RELEASE STOPS

TH.106/107

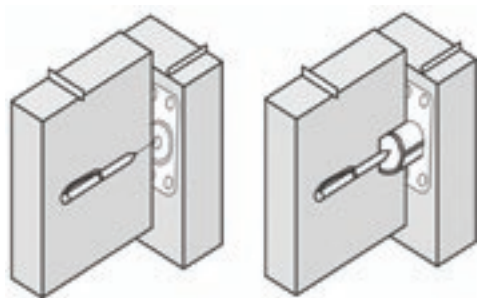
TH.106/107 Emergency Release Stop allows for double swing emergency access. In normal circumstances, it stops the door in the closed position. When in an emergency the Stop can be released by using a pen to press in on the centre point on the stop. This is usually fitted to the frame of the door.

TH.106 Overview:

- Suitable for FD30 and FD60 doors, to BS 476 for both single and double door applications
- 25 Year guarantee
- 304 Grade stainless steel plate
- Satin Finish
- Bronze bearings oil impregnated for low maintenance

TH.107 Overview:

- Suitable for door thickness 44mm and above
- Heavy duty for internal doors weighing up to 200kg
- Maximum door width 1100mm
- Permitted door gaps on 44mm thick fire doors – 3mm gap is permitted
- Permitted door gaps on 54mm thick fire doors – 3.5mm gap is permitted

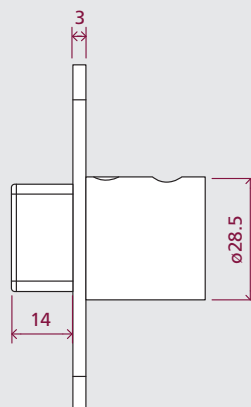
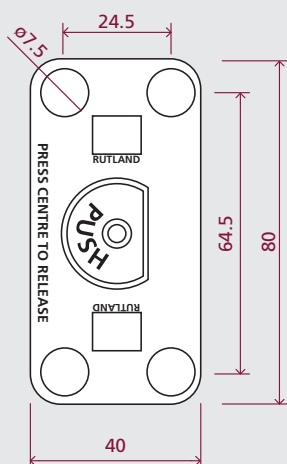


Finishes

See page 98 for more detail



SSS
Satin Stainless



For fitting instructions see website

All dimensions shown are in mm.

Hold Open Arms

Rutland's Hold-Open arms are designed for use on non-fire rated doors where there is a requirement for the door to be held open. An example of where a hold-open arm might be used is with a standard scissor arm door closer on an exit door.

To coincide with the different fitting positions of a door closer, such as pull side and push side, there are various different hold-open arms available from stock to meet your requirements.

Hold-open arms are available in a range of different finishes, to match your requirements. Please contact Rutland with your requirements for hold-open arms.

Hold-Open arms are NOT for use on Fire Doors.

HOA.2

For size 2-6 door closers



HOPA

For push side application size 2-4 door closers





FIRE & SECURITY DOOR HARDWARE

Din Locks – Deadlock

- BS EN 12209
- 55mm Backset
- Universal Fitting
- Double Throw Deadbolt
- Adjustable Keep
- Includes Plastic Back Box



3rd Party
Certification



Guarantee



Max Door
Weight



Technical Information

BS EN 12209 Classification

Rutland locks have been independently tested to EN 12209 performance standard. They are CE marked and classified.

Primary Fire Testing

Rutland locks have been tested to EN 1634 and BS 476. Test certificates are available on request.

Fire Doors

Intumescent MUST be used on fire doors – please enquire for latest testing details.

Finishes

See page 98 for more detail



SS
Satin Stainless

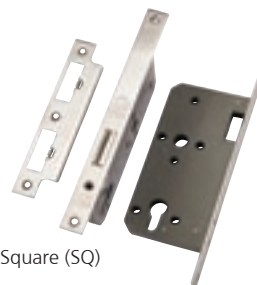


CF5851

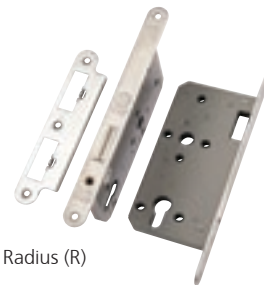


2812

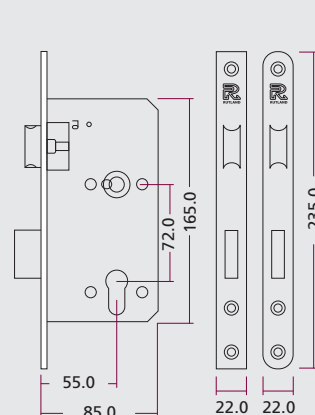
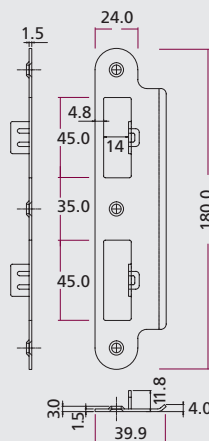
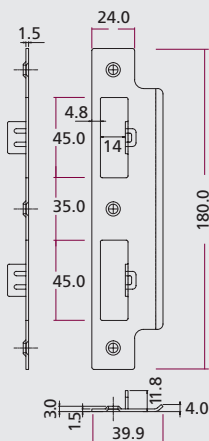
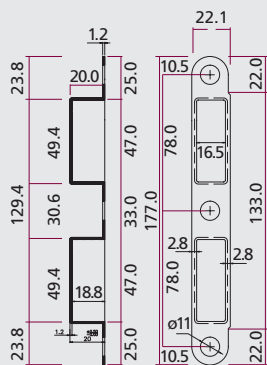
Styles



Square (SQ)



Radius (R)




Din Locks – Euro Sash Lock

- 

15 YEARS

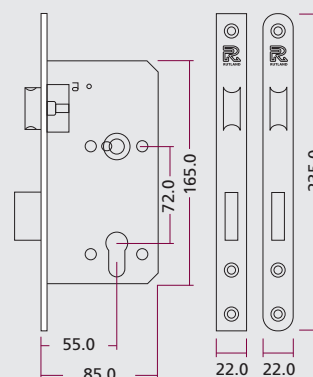
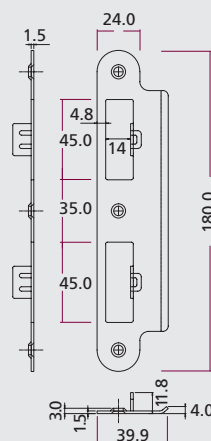
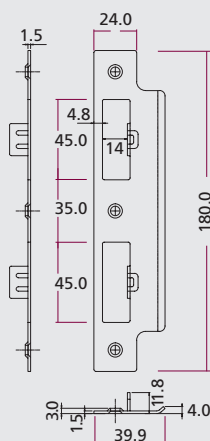
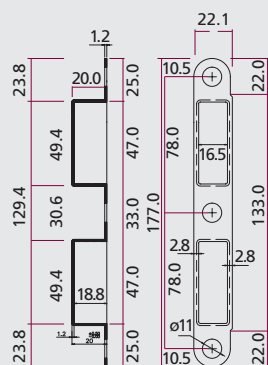


See page 98 for more detail



radius (R)

Radius (R)



FIRE & SECURITY DOOR HARDWARE

Din Locks – Bathroom Lock

- BS EN 12209
- 55mm Backset
- Universal Fitting
- Double Throw Deadbolt
- Adjustable Keep
- Includes Plastic Back Box



3rd Party
Certification



Guarantee



Max Door
Weight



Technical Information

BS EN 12209 Classification

Rutland locks have been independently tested to EN 12209 performance standard. They are CE marked and classified.

Primary Fire Testing

Rutland locks have been tested to EN 1634 and BS 476. Test certificates are available on request.

Fire Doors

Intumescent MUST be used on fire doors – please enquire for latest testing details.

Finishes

See page 98 for more detail



SS
Satin Stainless



CF5851



2812

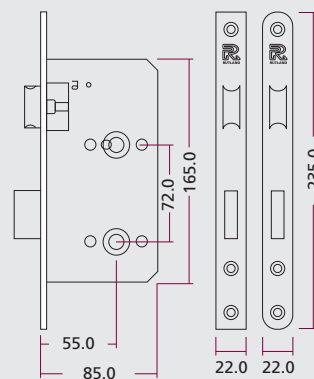
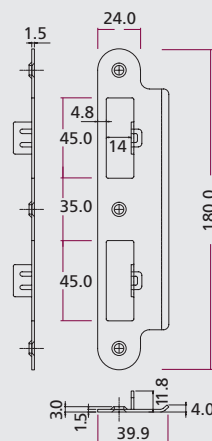
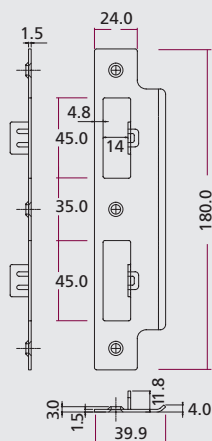
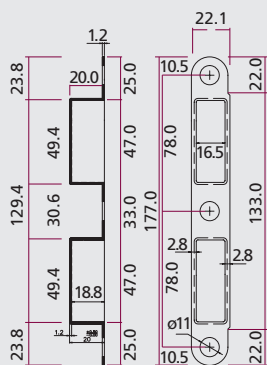
Styles



Square (SQ)



Radius (R)



FIRE & SECURITY DOOR HARDWARE

Din Locks – Latch

- BS EN 12209
- 55mm Backset
- Universal Fitting
- Adjustable Keep
- Includes Plastic Back Box



3rd Party
Certification



Guarantee



Max Door
Weight



Technical Information

BS EN 12209 Classification

Rutland locks have been independently tested to EN 12209 performance standard. They are CE marked and classified.

Primary Fire Testing

Rutland locks have been tested to EN 1634 and BS 476. Test certificates are available on request.

Fire Doors

Intumescent MUST be used on fire doors – please enquire for latest testing details.

Finishes

See page 98 for more detail



SS

Satin Stainless



CF5851

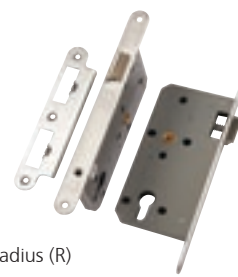


2812

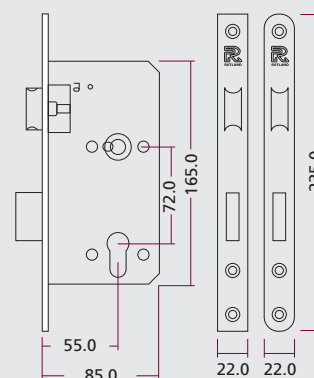
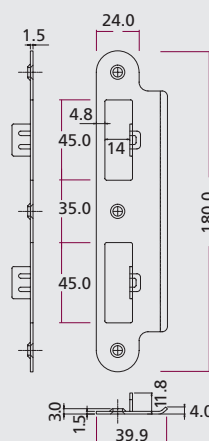
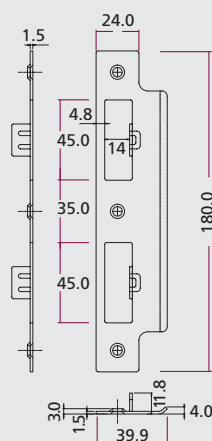
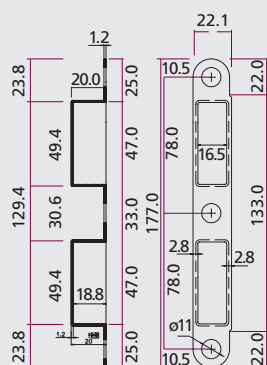
Styles



Square (SQ)



Radius (R)



FIRE & SECURITY DOOR HARDWARE

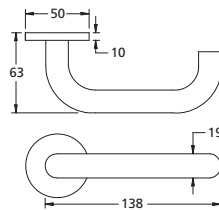
Handles

Return to Door Lever Handle

- Complies with BS8300 (formally known as DDA)
- Bolt through fixings included
- Grade 201 Stainless Steel
- Sprung Rose
- Use on door width 35-54mm



Guarantee

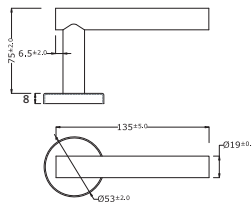


T-Bar Lever Handle

- Bolt through fixings included
- Grade 201 Stainless Steel
- Sprung Rose
- Use on door width 35-54mm



Guarantee

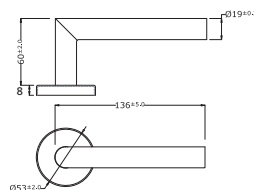


Mitred Lever Handle

- Bolt through fixings included
- Grade 201 Stainless Steel
- Sprung Rose
- Use on door width 35-54mm



Guarantee



ENHANCING LIFE SAFETY AT EVERY FIRE DOOR

FIRE & SECURITY DOOR HARDWARE

Hinges - Dog Bolt

- Suitable for use with back check door closers
- Welded button tip
- BS EN 1935 : 2002 Grade 13
- Grade 201 Stainless Steel
- 102 x 76 x 3mm

15
YEARS

Guarantee



Max Door
Weight

Technical Information

BS EN 1935 Classification

Rutland hinges have been independently tested to EN 1935 performance standard. They are CE marked and classified.

Primary Fire Testing

Rutland hinges have been tested to EN 1634 and BS 476. Test certificates are available on request.

Fire Doors

Intumescent MUST be used on fire doors – please enquire for latest testing details.

Finishes

See page 98 for more detail



SS

Satin Stainless



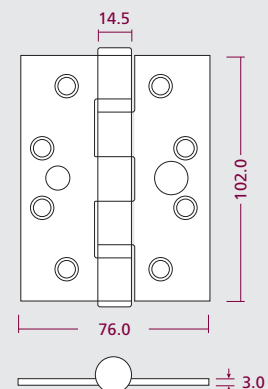
Styles






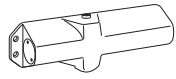
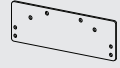



Square (SQ)



Radius (R)



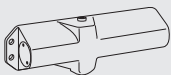


Description	EN Size	Finish	Re-order Code	Product Code	Box Qty
TS.3204					
 TS.3204 Standard unit (closer, snap fix armset and PA bracket)	3/4	Silver	11364	TS.3204.FB.SE	10
 TS3204 Combined unit (closer, flat bar armset, cover and PA bracket)	3/4	Silver	11371	TS.3204.SLFB.SESE	8
	3/4	Satin Nickel	11374	TS.3204.SLFB.SNPSNP	8
	3/4	Polished Nickel	11367	TS.3204.SLFB.PNPPNP	8
	3/4	Polished Brass	11369	TS.3204.SLFB.PVDPVD	8
	3/4	Satin Brass	11953	TS.3204.SLFB.SBSB	8
	3/4	White	11329	TS.3204.SLFB.WHWH	8
	3/4	Colour Coated	11864	TS.3204.SLFB.RAL*RAL*	8
WITH BACK CHECK					
 TS.3204 Standard unit closer, flat bar armset, cover, PA bracket with BACK CHECK	3/4	Silver	11394	TS.3204BC.FB.SE	10
 TS.3204 Combined unit closer, flat bar armset, cover, PA bracket with BACK CHECK	3/4	Silver	11397	TS.3204BC.SLFB.SESE	8
	3/4	Satin Nickel	11399	TS.3204BC.SLFB.SNPSNP	8
	3/4	Polished Nickel	11395	TS.3204BC.SLFB.PNPPNP	8
	3/4	Polished Brass	11396	TS.3204BC.SLFB.PVDPVD	8
	3/4	Satin Brass	11954	TS.3204BC.SLFB.SBSB	8
Hollow Door Fixing Packs		Silver	11149	HDF.34.SE	10
		Satin Nickel	11150	HDF.34.SNP	10
		Polished Nickel	11147	HDF.34.PNP	10
		Gold	11146	HDF.34.GE	10
		Polished Brass	11148	HDF.34.PVD	10
 TS.3204 Covers		Solid Stainless	11293	SR.34.SSS	25
		Silver	11262	SL.34.SE	25
		Satin Nickel	11263	SL.34.SNP	25
		Polished Nickel	11260	SL.34.PNP	25
		Polished Brass	11261	SL.34.PVD	25
		Satin Brass	11432	SL.34.SB	25
 TS.3204 Body only with BACK CHECK	-	Silver	11414	TS.3204BCSE	25
TS.3204 Body only	-	Silver	11412	TS.3204SE	25
 Drop plate (includes fixings)	-	Silver	11039	DP.34.SE	10
Fixing pack	-	Silver	11961	FIX.34.SE	10

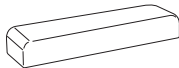
Description	EN Size	Finish	Re-order Code	Product Code	Box Qty
TS.4204					
 <p>TS.4204 Combined unit closer, flat bar armset, cover, PA bracket with DELAYED ACTION & BACK CHECK</p>	2-4	Silver	12495	TS.4204DABC.SRFB.SESE	8
	2-4	Satin Nickel	12496	TS.4204DABC.SRFB.SNPSNP	8



TS.5204

WITH DELAYED ACTION AND BACK CHECK



 <p>TS.5204 Standard unit (closer, flat bar and DELAYED ACTION & BACK CHECK)</p>	2-4	Silver	11501	TS.5204DABC.FB.SE	10
	2-4	Silver	11826	TS.5204DABC.SRFB.SESE	8
 <p>TS.5204 Combined unit (closer, flat bar armset, cover, PA bracket and DELAYED ACTION & BACK CHECK)</p>	2-4	Satin Nickel	11272	TS.5204DABC.SRFB.SNPSNP	8
	2-4	Polished Nickel	11273	TS.5204DABC.SRFB.PNPPNP	8
	2-4	Polished Brass	11274	TS.5204DABC.SRFB.PVDPVD	8
	2-4	Black	12526	TS.5204DABC.SRFB.RAL9011	8
	2-4	Colour Coated	11253	TS.5204DABC.SRFB.RAL*RAL*	8
 <p>TS.5204 Mechanism only with DELAYED ACTION & BACK CHECK</p>	2-4	Silver	11822	TS.5204DABC	10

WITH BACK CHECK



 <p>TS.5204 Standard unit (closer, flat bar and PA bracket & BACK CHECK)</p>	2-4	Silver	11406	TS.5204BC.FB.SE	10
	2-4	Silver	11409	TS.5204BC.SRFB.SESE	6
 <p>TS.5204 Combined unit (closer, flat bar armset, cover, PA bracket & BACK CHECK)</p>	2-4	Satin Nickel	11410	TS.5204BC.SRFB.SNPSNP	6
	2-4	Polished Nickel	11407	TS.5204BC.SRFB.PNPPNP	6
	2-4	Polished Brass	11408	TS.5204BC.SRFB.PVDPVD	6
	2-4	Black	12525	TS.5204BC.SRFB.RAL9011	6
	2-4	Colour Coated	11867	TS.5204BC.SRFB.RAL*RAL*	6
 <p>TS.5204 Mechanism only with BACK CHECK</p>	2-4	Silver	11415	TS.5204BC.SE	10
 <p>TS.5204 Semi Radius Covers</p>	-	Silver	11296	SR.54.SE	25
	-	Satin Nickel	11297	SR.54.SNP	25
	-	Polished Nickel	11294	SR.54.PNP	25
	-	Polished Brass	11295	SR.54.PVD	25
	-	Black	12018	SR.54.RAL9011	25

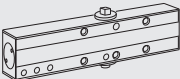
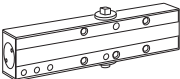
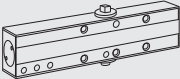

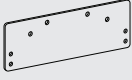
Description	EN Size	Finish	Re-order Code	Product Code	Box Qty
TS.9205					
	2-5	Silver	11598	TS.9205.FB.SE	10
	2-5	Silver	11626	TS.9205.SRFB.SESE	8
	2-5	Satin Nickel	11629	TS.9205.SRFB.SNPSNP	8
	2-5	Polished Nickel	11617	TS.9205.SRFB.PNPPNP	8
	2-5	Polished Brass	11622	TS.9205.SRFB.PVDPVD	8
	2-5	Satin Stainless Steel	11632	TS.9205.SRFB.SSSSSS	8
	2-5	Polished Stainless	11620	TS.9205.SRFB.PSSPSS	8
	2-5	Black	11884	TS.9205.SRFB.RAL9011BK	8
	2-5	Colour Coated	11883	TS.9205.SRFB.RALRAL	8



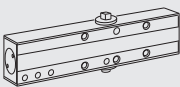

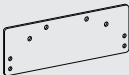
WITH BACK CHECK


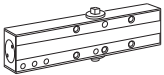
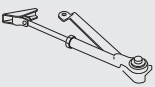
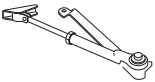
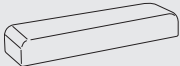
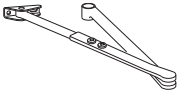
	2-5	Silver	11664	TS.9205BC.FB.SE	10
	2-5	Silver	11692	TS.9205BC.SRFB.SESE	8
	2-5	Satin Nickel	11695	TS.9205BC.SRFB.SNPSNP	8
	2-5	Polished Nickel	11683	TS.9205BC.SRFB.PNPPNP	8
	2-5	Polished Brass	11688	TS.9205BC.SRFB.PVDPVD	8
	2-5	Satin Stainless Steel	11698	TS.9205BC.SRFB.SSSSSS	8
	2-5	Polished Stainless	11686	TS.9205BC.SRFB.PSSPSS	8
	2-5	Black	11773	TS.9205BC.SRFB.RAL9011BK	8
	2-5	Colour Coated	11912	TS.9205BC.SRFB.RAL*RAL*	8

WITH DELAYED ACTION AND BACK CHECK




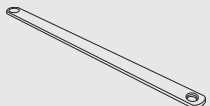
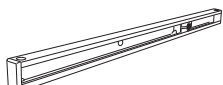
	2-5	Silver	11730	TS.9205DABC.FB.SE	10
	2-5	Silver	11758	TS.9205DABC.SRFB.SESE	8
	2-5	Satin Nickel	11761	TS.9205DABC.SRFB.SNPSNP	8
	2-5	Polished Nickel	11749	TS.9205DABC.SRFB.PNPPNP	8
	2-5	Polished Brass	11754	TS.9205DABC.SRFB.PVDPVD	8
	2-5	Satin Stainless Steel	11764	TS.9205DABC.SRFB.SSSSSS	8
	2-5	Polished Stainless	11752	TS.9205DABC.SRFB.PSSPSS	8
	2-5	Antique Brass	11748	TS.9205DABC.SRFB.ABAB	8
	2-5	Antique Copper	12136	TS.9205DABC.SRFB.ACAC	8
	2-5	Satin Brass	11760	TS.9205DABC.SRFB.SBSB	8
	2-5	Dark Bronze	12129	TS.9205DABC.SRFB.DBDB	8
	2-5	Medium Bronze	12131	TS.9205DABC.SRFB.MBMB	8
	2-5	Light Bronze	12130	TS.9205DABC.SRFB.LBLB	8
	2-5	Weathered Bronze	12137	TS.9205DABC.SRFB.WBWB	8
	2-5	Black	11917	TS.9205DABC.SRFB.RAL9011BK	8
	2-5	Marine 316	12095	TS.9205DABC.SRFB.A3.316SMARS	8
	2-5	Colour Coated	11916	TS.9205DABC.SRFB.RAL*RAL*	8
	2-5	Oil Rubbed Bronze	12151	TS.9205DABC.SRFB.ORBORB	8




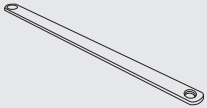
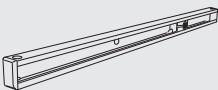
Description	EN Size	Finish	Re-order Code	Product Code	Box Qty
 TS.9205 Mechanism including delayed action and back check (Infinitely variable power)	2-5	Silver	11733	TS.9205DABC	10
 TS.9205 Mechanism including back check (Infinitely variable power)	2-5	Silver	11667	TS.9205BC	10
 TS.9205 Mechanism only (Infinitely variable power)	2-5	Silver	11601	TS.9205	10
 TS.9000 Series semi radius cover	-	Silver	11317	SR.90.SE	25
		Satin Nickel	11318	SR.90.SNP	25
		Polished Nickel	11312	SR.90.PNP	25
		Polished Brass	11314	SR.90.PVD	25
		Satin Stainless	11319	SR.90.SSS	25
		Polished Stainless	11313	SR.90.PSS	25
		Colour Coated	12020	SR.90.RAL	25
		Polished Brass	11311	SR.90.PB	25
		Antique Brass	11307	SR.90.AB	25
		Satin Brass	11316	SR.90.SB	25
		Medium Bronze	12128	SR.90.MB	25
		Dark Bronze	12126	SR.90.DB	25
		Light Bronze	12127	SR.90.LB	25
		Weathered Bronze	12135	SR.90.WB	25
		Oil Rubbed Bronze	12150	SR.90.ORB	25
		Antique Copper	12134	SR.90.AC	25
 TS.9205 Drop plate (Includes fixing kit)	-	Silver	11050	DP.95.SE	10
		Satin Nickel	11051	DP.95.SNP	10
		Polished Nickel	11048	DP.95.PNP	10
		Polished Brass	11049	DP.95.PVD	10
TS.9000 Series fixings pack	-	Silver	11132	FIX.90.SE	100
Shoe plate	-	Silver	11269	SP.1.SE	50
		Satin Nickel	11270	SPA.1.SNP	50
Trim Plate	-	Silver	11342	TP.95.SE	100
Mounting Plate	-	Silver	12032	MP.95.SE	50

Description	EN Size	Finish	Re-order Code	Product Code	Box Qty
TS.9206					
WITH DELAYED ACTION AND BACK CHECK					
 <p>TS.9206 Slimline architectural door closer standard unit with back check, delayed action, flat type armset, trimplate body, cap and PA bracket.</p>	2-6	Silver	11797	TS.9206DABC.FB.SE	6
	2-6	Silver	11806	TS.9206DABC.SRFB3.SESE	6
 <p>TS.9206 Slimline architectural door closer combined unit with back check, delayed action, flat bar armset, semi-radius cover and PA bracket.</p>	2-6	Satin Nickel	11807	TS.9206DABC.SRFB3.SNPSNP	6
	2-6	Polished Nickel	11800	TS.9206DABC.SRFB3.PNPPNP	6
	2-6	Polished Brass	11802	TS.9206DABC.SRFB3.PVDPVD	6
	2-6	Satin Stainless Steel	11809	TS.9206DABC.SRFB3.SSSSSS	6
	2-6	Polished Stainless	11801	TS.9206DABC.SRFB3.PSSPSS	6
	2-6	Black	11931	TS.9206DABC.SRFB3.RAL9011BK	6
	2-6	Marine 316	12116	TS.9206DABC.SRFB3.MARS316	6
	2-6	Colour Coated	11604	TS.9206DABC.SRFB3.RAL*RAL*	6
 <p>TS.9206 Mechanism only including delayed action and back check (Infinitely variable power)</p>	2-6	Silver	11799	TS.9206DABC.FB3.SE	10
	-	Silver	11326	SR.96.SE	25
	-	Satin Nickel	11327	SR.96.SNP	25
	-	Polished Nickel	11321	SR.96.PNP	25
	-	Polished Brass	11323	SR.96.PVD	25
	-	Satin Stainless Steel	11328	SR.96.SSS	25
	-	Polished Stainless	11322	SR.96.PSS	25
	-	Black	12095	SR.96.RAL9011	25
	-	Marine 316	12115	SR.96.316S	25
	-	Silver	11054	DP.96.SE	10
 <p>TS.9206 Series semi radius cover</p>	-	Satin Nickel	11055	DP.96.SNP	10
	-	Polished Nickel	11052	DP.96.PNP	10
	-	Polished Brass	11053	DP.96.PVD	10
	-	Silver	11054	DP.96.SE	10
 <p>TS.9206 Drop plate (Includes fixing kit)</p>	-	Silver	11132	FIX.90.SE	100
	-	Silver	12033	MP.96.SE	50
	-	Silver	12122	TP.96.SE	50
	-	-	12406	IP.96M	100
TS.9000 Series fixings pack	-	Silver	11132	FIX.90.SE	100
Mounting plate	-	Silver	12033	MP.96.SE	50
Trim plate	-	Silver	12122	TP.96.SE	50
Intumescent Kit for uninsulated steel doors	-	-	12406	IP.96M	100




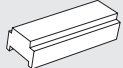

Description	EN Size	Finish	Re-order Code	Product Code	Box Qty
TS.10106					
 TS.10106 Heavy duty door closer (Including back check & delayed action)	1-6	Silver	11357	10106DABC.SLFB.SESE	4
		Satin Nickel	12210	TS.10106DABC.SRFB.SNPSNP	4
 TS.10106 Mechanism only with Back Check and Delayed Action	-	Silver	11356	TS.10106DABC	10
 TS.10106 Hold open armset (includes fixings) <div>Fig 1 only</div> <div>Fig 1 only</div>	-	Silver	11152	HOA.106.SE	12
		Satin Nickel	11154	HOA.106.SNP	12
 TS.10106 Cushion stop armset (includes fixings)	-	Silver	11036	CA.106.SE	12
		Satin Nickel	11037	CA.106.SNP	12
 TS.10106 Covers	-	Silver	11256	SL.106.SE	12
		Satin Nickel	11139	SL.106.SNP	12
 TS.10106 Flat Bar Arm	-	Silver	11094	FBA.106.SE	12
		Satin Nickel	11095	FBA.106.SNP	12

Description	EN Size	Finish	Re-order Code	Product Code	Box Qty
TS.24					
TS.24 Combined unit (closer, slide arm, cover,)	2-4	Silver	12105	TS.24.SE	6
	2-4	Satin Nickel	12106	TS.24.SNP	6
	2-4	White	12242	TS.24.WH	6
Push Side Brackets	-	Silver	11036	PSB.24.SE	
		Satin Nickel	11040	PSB.24.SNP	
		White	11043	PSB.24.WH	

TS.11204					
 <p>TS.11204 cam action slide arm door closer combined unit (with SA.2 rail and connector bar - CB.5)</p>	2-4	Silver	11352	TS.11204.SR.2.SESE	6
		Satin Nickel	11354	TS.11204.SR.2.SNPSNP	6
		Polished Nickel	11347	TS.11204.SR.2.PNPPNP	6
		Polished Brass	11349	TS.11204.SR.2.PVDPVD	6
		Antique Brass	12027	TS.11204.SR.2.ABAB	6
		Black	11952	TS.11204.SR.2.BK	6
		Colour Coated	11350	TS.11204.SR.2.RALRAL	6
 <p>TS.11204 cam action with Square cover</p>	2-4	Satin Nickel	11345	TS.11204.SQ.2.SSSSNP	6
 <p>TS.11000 series semi radius cover</p>	-	Silver	11291	SR.114.SE	25
		Satin Nickel	11292	SR.114.SNP	25
		Polished Nickel	11289	SR.114.PNP	25
		Polished Brass	11290	SR.114.PVD	25
		Antique Brass	12025	SR.114.AB	25
		Black	11433	SR.114.BK	25
 <p>TS11204 concealed door closer-to-slide arm connector bar options (single action not handed)</p>	-	Silver	11022	CB.5.SE	50
		Satin Nickel	11023	CB.5.SNP	50
		Polished Nickel	11020	CB.5.PNP	50
		Polished Brass	11021	CB.5.PVD	50
		Antique Brass	12023	CB.5.AB	50
		Black	11434	CB.5.BK	50
 <p>461mm long Slide Rail for surface or concealed fixing</p>		Silver	11247	SA.2.SE	25
		Satin Nickel Plate	11248	SA.2.SNP	25
		Polished Nickel	11245	SA.2.PNP	25
		Polished Brass	11246	SA.2.PVD	25
		Antique Brass	12024	SA.2.AB	35
		Black	11244	SA.2.BK	35
Fixing pack for the TS.11204		Satin Nickel	11958	FIX.2.114.SNP	100
		Polished Brass	11957	FIX.2.114.PVD	100
Intumescent Kit for uninsulated steel doors		Black	12407	IP.114SM	100


Description	EN Size	Finish	Re-order Code	Product Code	Box Qty
TS.11205					
 TS.11205 cam action slide arm door closer combined unit (with SA.2 rail and connector bar - CB.5)	2-5	Silver	12044	TS.11205.SR.2.SESE	6
		Satin Nickel	12045	TS.11205.SR.2.SNPSNP	6
		Polished Nickel	12042	TS.11205.SR.2.PNPPNP	6
		Polished Brass	12043	TS.11205.SR.2.PVDPVD	6
 TS.11204 cam action with Square cover, with delayed action	2-5	Silver	12157	TS.11205DA.SR.2.SESE	6
		Satin Nickel	12158	TS.11205DA.SR.2.SNPSNP	6
 TS.11000 series semi radius cover	-	Silver	11291	SR.115.SE	25
		Satin Nickel	11292	SR.115.SNP	25
		Polished Nickel	11289	SR.115.PNP	25
		Polished Brass	11290	SR.115.PVD	25
		Antique Brass	12025	SR.115.AB	25
 TS11205 concealed door closer-to-slide arm connector bar options (single action not handed)	-	Silver	11022	CB.5.SE	50
		Satin Nickel	11023	CB.5.SNP	50
		Polished Nickel	11020	CB.5.PNP	50
		Polished Brass	11021	CB.5.PVD	50
		Antique Brass	12023	CB.5.AB	50
Optional Mounting Bracket	-	-	11179	MP.114	10
 461mm long Slide Rail for surface or concealed fixing		Silver	11247	SA.2.SE	25
		Satin Nickel Plate	11248	SA.2.SNP	25
		Polished Nickel	11245	SA.2.PNP	25
		Polished Brass	11246	SA.2.PVD	25
		Antique Brass	12024	SA.2.AB	35
Fixing pack for the TS.11204		Satin Nickel	11958	FIX.2.115.SNP	100
Intumescent Kit for uninsulated steel doors		Black	12407	IP.115SM	100

Description	EN Size	Finish	Re-order Code	Product Code	Box Qty
ITS.11204					
 <p>Single Action-ITS.11204 concealed standard rail slide arm door closer</p>	2-4	Silver	11172	ITS.11204.2.5.SE	10
		Satin Nickel	11173	ITS.11204.2.5.SNP	10
		Polished Nickel	11170	ITS.11204.2.5.PNP	10
		Polished Brass	11171	ITS.11204.2.5.PVD	10
		Antique Brass	12026	ITS.11204.2.5.AB	10
		Satin Brass	12521	ITS.11204.2.5.SB	10
		Black	12199	ITS.11204.2.5.BK	10
 <p>ITS.11204 Mechanism only</p>	2-4	Silver	11165	ITS.11204	10
 <p>ITS.11204 concealed door closer-to-slide arm complete with single action connector bar - CB.5</p>	-	Silver	12001	SA.2.5.SE	25
		Satin Nickel	12002	SA.2.5.SNP	25
		Polished Nickel	11998	SA.2.5.PNP	25
		Polished Brass	11999	SA.2.5.PVD	25
Standard Rail Intumescent Pack	-	-	11161	IP.114	100
ITS.11205					
 <p>SINGLE ACTION ITS.11205 concealed slide arm door closer Combined unit (with SA.2 rail and connector bar - CB.5)</p>	2-5	Silver	12048	ITS.11205.2.5.SE	10
		Satin Nickel	12049	ITS.11205.2.5.SNP	10
		Polished Nickel	12046	ITS.11205.2.5.PNP	10
		Black	12216	ITS.11205.2.5.BK	10
		Polished Brass	12047	ITS.11205.2.5.PVD	10
 <p>ITS.11205 concealed door closer-to-slide arm complete with single action connector bar - CB.5</p>	-	Silver	12001	SA.2.5.SE	25
		Satin Nickel	12002	SA.2.5.SNP	25
		Polished Nickel	11998	SA.2.5.PNP	25
		Polished Brass	11999	SA.2.5.PVD	25
Intumescent Pack	-	-	12151	IP.115	100


Description	EN Size	Finish	Re-order Code	Product Code	Box Qty
ITS.11204.3.5					
 ITS.11004 -concealed micro rail slide arm door closer	2-4	Silver	11420	ITS.11004.3.5.SE	10
		Satin Nickel	11421	ITS.11004.3.5.SNP	10
		Polished Nickel	11418	ITS.11004.3.5.PNP	10
		Polished Brass	11419	ITS.11004.3.5.PVD	10
 SINGLE ACTION – ITS.11004 concealed door closer mechanism only.	2-4	Silver	11165	ITS.11004	10
 Micro slide rail complete with connector bar	-	Silver	11300	SA.3.5.SE	50
		Satin Nickel	11301	SA.3.5.SNP	50
		Polished Nickel	11298	SA.3.5.PNP	50
		Polished Brass	11299	SA.3.5.PVD	50
Micro Rail Mounting Frame	-	-	12030	SA.3.MF	25
 Micro Rail Cushion Stop	-	White	12140	SA.CS.M	50
 Micro Rail Hold Open Device	-	Silver	12138	SA.HO.M	50
Intumescent Pack	-	-	11955	IP.114M	250


ITS.H3

Hold Open Concealed Floor Spring Pivot c/w SS Cover and Top Pivot	3	Stainless Steel	12515	ITS.H3.HO.SS	10
Non-Hold Open Concealed Floor Spring Pivot c/w SS Cover and Top Pivot	3	Stainless Steel	12516	ITS.H3.NHO.SS	10





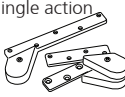











Description	EN Size	Finish	Re-order Code	Product Code	Box Qty
Responder 24					
 <p>Responder 24 Electromagnetic Door Closer</p>	4	Silver	10912	ETS.18314.SE	4
		Satin Nickel	10913	ETS.18314.SNP	4
		Polished Nickel	10910	ETS.18314.PNP	4
		Polished Brass	10909	ETS.18314.PVD	4
		Antique Brass	12193	ETS.18314.AB	4
		Black	12409	IP.RESPONDER.M	100
Extension Wire and Black Box (600mm)	-	Black	11944	DL.184	-

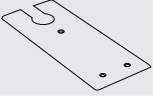
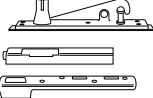
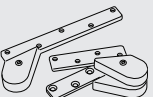
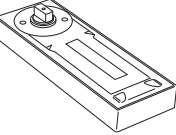

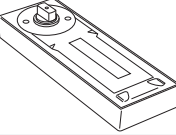
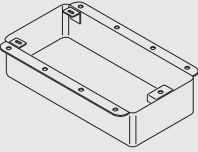
Description	EN Size	Finish	Re-order Code	Product Code
Firetrak.114				
 <p>Electromagnetic slide arm door closer</p>	2-4	Silver	12446	TS.FIRETRAK.114.SE
		Satin Nickel	12447	TS.FIRETRAK.114.SNP
Anti-Ligature Fixing Bolt for Connector Bar	-	Black	12075	FIX.AL
Intumescent for uninsulated steel doors	-	Black	12462	IP.FIRETRAK.114SM

Firetrak.115				
 <p>Electromagnetic slide arm door closer</p>	2-4	Silver	12448	TS.FIRETRAK.115.SE
		Satin Nickel	12449	TS.FIRETRAK.115.SNP
Anti-Ligature Fixing Bolt for Connector Bar	-	Black	12075	FIX.AL
Intumescent for uninsulated steel doors	-	Black	12463	IP.FIRETRAK.115SM


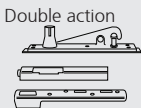


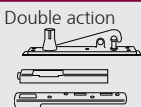

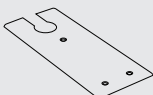
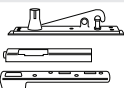
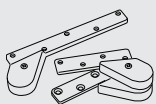
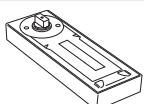
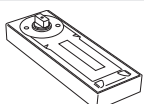
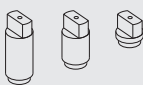
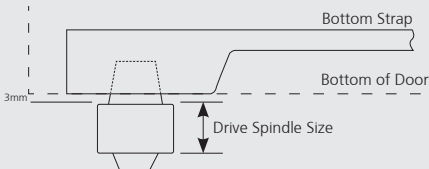
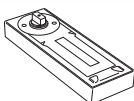
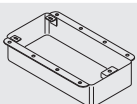
Description		EN Size	Finish		Re-order Code	Product Code	Box Qty	
TS.7000 - Hold Open								
	TS.7003 combined unit hold open floor spring cover and action accessory pack	3	Double action	Stainless Steel		11451	TS.7003HO.DAX.SS	4
				Polished Brass		11450	TS.7003HO.DAX.PB	4
				Antique Brass		12472	TS.7003HO.DAX.AB	4
			Single action	Stainless Steel	LH 11454 RH 11455	TS.7003HO.SAX.SS	4	
				Polished Brass	LH 11452 RH 11453	TS.7003HO.SAX.PB	4	
				Antique Brass	LH 12473 RH 12474	TS.7003HO.SAX.AB	4	
	TS.7004 combined unit hold open floor spring cover and action accessory pack	4	Double action	Stainless Steel		11465	TS.7004HO.DAX.SS	4
				Polished Brass		11464	TS.7004HO.DAX.PB	4
				Antique Brass		12475	TS.7004HO.DAX.AB	4
			Single action	Stainless Steel	LH 11468 RH 11469	TS.7004HO.SAX.SS	4	
				Polished Brass	LH 11466 RH 11467	TS.7004HO.SAX.PB	4	
				Antique Brass	LH 12476 RH 12477	TS.7004HO.SAX.AB	4	


TS.7000 - Non Hold Open


TS.7003 combined unit hold open floor spring cover and action accessory pack		3	Stainless Steel		11458		TS.7003NHO.DAX.SS	4
			Polished Brass		11457		TS.7003NHO.DAX.PB	4
			Antique Brass		12481		TS.7003NHO.DAX.AB	4
			Stainless Steel		LH 11461	RH 11462	TS.7003NHO.SAX.SS	4
			Polished Brass		LH 11459	RH 11460	TS.7003NHO.SAX.PB	4
			Antique Brass		LH 12482	RH 12483	TS.7003NHO.SAX.AB	4
TS.7004 combined unit hold open floor spring cover and action accessory pack		4	Stainless Steel		11472		TS.7004NHO.DAX.SS	4
			Polished Brass		11471		TS.7004NHO.DAX.PB	4
			Antique Brass		12484		TS.7004NHO.DAX.AB	4
			Stainless Steel		LH 11468	RH 11469	TS.7004NHO.SAX.SS	4
			Polished Brass		LH 11466	RH 11467	TS.7004NHO.SAX.PB	4
			Antique Brass		LH 12485	RH 12486	TS.7004NHO.SAX.AB	4

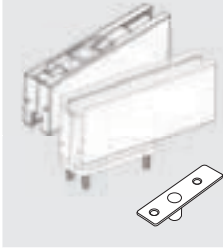
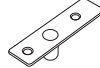

Description	EN Size	Finish	Re-order Code	Product Code	Box Qty
TS7000 product codes continued					
 TS.7000 Cover plate	-	Stainless Steel	11027	CP.70.SS	25
		Polished Brass	11025	CP.70.PB	25
		Antique Brass	12092	CP.70.AB	25
 TS.7000 Double action accessory pack	-	Stainless Steel, Polished Brass and Antique Brass*	11221	PS.180.SS.PB	10
			12487	PS.180.AB	10
 T.S7000 Single action accessory pack	Left hand	Stainless Steel	11218	PS.170L.SS	10
	Left hand	Polished Brass	11216	PS.170L.PB	10
	Left hand	Antique Brass	12489	PS.170L.AB	10
	Right hand	Stainless Steel	11220	PS.170R.SS	10
	Right hand	Polished Brass	11219	PS.170R.PB	10
	Right hand	Antique Brass	12488	PS.170R.AB	10
 TS.7002 Hold open body only c/w cement box TS.7002 Non hold open body only c/w cement box TS.7003 Hold open body only c/w cement box TS.7003 Non hold open body only c/w cement box TS.7004 Hold open body only c/w cement box TS.7004 Non hold open body only c/w cement box	2	-	11435	TS.7002HO	4
	2	-	11442	TS.7002NHO	4
	3	-	11449	TS.7003HO	4
	3	-	11456	TS.7003NHO	4
	4	-	11463	TS.7004HO	4
	4	-	11470	TS.7004NHO	4
	3	YPAS	11081	DS.70.3	50
	5	YPAS	11082	DS.70.5	50
 Drive spindles for TS.7000 floor springs 3, 5, 8, 10, 13, 15, 18, 23, 28, 33, 48mm (8mm supplied as standard)	8	YPAS	11083	DS.70.8	50
	10	YPAS	11075	DS.70.10	50
	13	YPAS	11076	DS.70.13	50
	15	YPAS	11077	DS.70.15	50
	18	YPAS	11078	DS.70.18	50
	23	YPAS	11079	DS.70.23	50
	28	YPAS	11080	DS.70.28	50
	33	YPAS	11857	DS.70.33	50
	48	YPAS	11819	DS.70.48	50
 TS.7000 Dummy floor spring	-	-	11942	DF.70.SS	4
 Hollow floor mounting cradle for floor spring 108W x 306L x 40H	-	Black	11151	HMC.70	25
Intumescent kit for TS.7000	-	-	11164	IP.190	100

*If Polished Brass to state on the order

Description		EN Size	Finish	Re-order Code	Product Code	Box Qty
TS.7104 - Hold Open						
 TS.7104 combined unit	 	1-4	Stainless Steel	11893	TS.7104HO.DAX.SS	4
			Polished Brass	11892	TS.7104HO.DAX.PB	4
			Stainless Steel	LH 11896 RH 11897	TS.7104HO.SAX.SS	4
			Polished Brass	LH 11894 RH 11895	TS.7104HO.SAX.PB	4
TS.7104 - Non Hold Open						
 TS.7104 combined unit	 	1-4	Stainless Steel	11899	TS.7104NHO.DAX.SS	4
			Polished Brass	11898	TS.7104NHO.DAX.PB	4
			Stainless Steel	LH 11902 RH 11903	TS.7104NHO.SAX.SS	4
			Polished Brass	LH 11900 RH 11901	TS.7104NHO.SAX.PB	4
TS.7104						
 TS.7104 Cover plate		-	Stainless Steel	11941	CP.74.SS	25
			Polished Brass	11940	CP.74.PB	25
 TS.7104 Double action accessory pack		-	Stainless Steel and Polished Brass	12057	PS.190.SS.PB	10
 TS.7104 Single action accessory pack	Left hand	-	Stainless Steel	11218	PS.170L.SS	10
	Left hand	-	Polished Brass	11216	PS.170L.PB	10
	Right hand	-	Stainless Steel	11220	PS.170R.SS	10
	Right hand	-	Polished Brass	11219	PS.170R.PB	10
 TS.7104 Hold open body only c/w cement box		4	-	11862	TS.7104HO	4
 TS.7104 Non hold open body only c/w cement box		4	-	11855	TS.7104NHO	4
 Drive spindles for TS.7104 floor springs 3, 5, 8, 10, 13, 15, 18, 23, 48mm (8mm supplied as standard)		3	YPAS	11081	DS.70.3	50
		5	YPAS	11082	DS.70.5	50
		8	YPAS	11083	DS.70.8	50
		10	YPAS	11075	DS.70.10	50
		13	YPAS	11076	DS.70.13	50
		15	YPAS	11077	DS.70.15	50
		18	YPAS	11078	DS.70.18	50
		23	YPAS	11079	DS.70.23	50
		28	YPAS	11080	DS.70.28	50
		33	YPAS	11857	DS.70.33	50
		48	YPAS	11819	DS.70.48	50
 TS.7104 Dummy floor spring		-	-	11942	DF.70.SS	4
 Hollow floor mounting cradle for floor spring 275L x 80W x 50H		-	Black	11974	HMC.74	25
Intumescent kit for TS7104		-	-	11164	IP.70	100




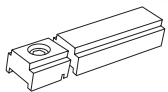

Description		EN Size	Finish	Re-order Code	Product Code	Box Qty
TS.7306 - Hold Open						
 <p>Heavy Duty Floor Spring</p>	Double action	3-6	Stainless Steel	12102	TS.7306HO.DAX.SS	4
	Body & Cover only	3-6	Stainless Steel	12101	TS.7306HO.SS	4

TS.7306 - Non Hold Open						
 <p>Heavy Duty Floor Spring</p>	Double action	3-6	Stainless Steel	12104	TS.7306NHO.DAX.SS	4
	Body & Cover only	3-6	Stainless Steel	12103	TS.7306NHO.SS	4

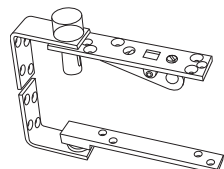







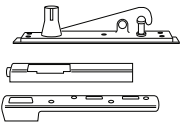

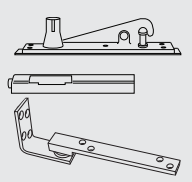

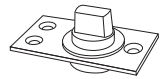

GP.3						
	Glass Patch Closer C/W Closer, Top Patch & Pivot Hold Open	3	Satin Stainless	12143	GP.3HO.KIT	6
	Glass Patch Closer	3	Satin Stainless	12078	GP.3HO.SSS	6
	Glass Patch Closer C/W Closer, Top Patch & Pivot Non Hold Open	3	Satin Stainless	12144	GP.3NHO.KIT	6
	Glass Patch Closer	3	Satin Stainless	12079	GP.3NHO.SSS	6
	Top Pivot	-	Satin Stainless	12088	TP.1.SSS	6
	Top Pivot Patch	-	Satin Stainless	12084	GP.2.SSS	6



GP.35						
	Glass Patch Closer C/W Closer, Top Patch & Pivot Hold Open	3-5	Satin Stainless	12145	GP.35HO.KIT	6
	Glass Patch Closer	3-5	Satin Stainless	12082	GP.35HO.SSS	6
	Glass Patch Closer C/W Closer, Top Patch & Pivot Non Hold Open	3-5	Satin Stainless	12146	GP.35NHO.KIT	6
	Glass Patch Closer	3-5	Satin Stainless	12083	GP.35NHO.SSS	6
	Top Pivot	-	Satin Stainless	12088	TP.1.SSS	6
	Top Pivot Patch	-	Satin Stainless	12084	GP.2.SSS	6



Description		EN Size	Load Kit	Re-order Code	Product Code	Box Qty
TS.8000 - Hold Open						
	TS.8002 Concealed transom closer	2	with end load set	11477	TS.8002HO.ELA	4
			with side load set	11478	TS.8002HO.SLA	4
	TS.8003 Concealed transom closer	3	with end load set	11485	TS.8003HO.ELA	4
			with side load set	11486	TS.8003HO.SLA	4
	TS.8004 Concealed transom closer	4	with end load set	11493	TS.8004HO.ELA	4
			with side load set	11494	TS.8004HO.SLA	4
TS.8000 - Non Hold Open						
	TS.8002 Concealed transom closer	2	with end load set	11481	TS.8002NHO.ELA	4
			with side load set	11482	TS.8002NHO.SLA	4
	TS.8003 Concealed transom closer	3	with end load set	11489	TS.8003NHO.ELA	4
			with side load set	11490	TS.8003NHO.SLA	4
	TS.8004 Concealed transom closer	4	with end load set	11497	TS.8004NHO.ELA	4
			with side load set	11498	TS.8004NHO.SLA	4
	End load arm set	-	-	11057	ELA.80	50
	Side load arm set	-	-	11265	SLA.80	50
	TS.8000 Dummy body only C/W brackets	-	-	11056	DT.80	4
	TS.8002 Body only - Light C/W brackets Hold Open	2	-	11476	TS8002.HO	4
	TS.8002 Body only - Light C/W brackets Non Hold Open	2	-	11480	TS8002.NHO	4
	TS.8003 Body only - Medium C/W brackets Hold Open	3	-	11484	TS8003.HO	4
	TS.8003 Body only - Medium C/W brackets Non Hold Open	3	-	11488	TS8003.NHO	4
	TS.8004 Body only - Heavy C/W brackets Hold Open	4	-	11492	TS8004.HO	4
	TS.8004 Body only - Heavy C/W brackets Non Hold Open	4	-	11496	TS8004.NHO	4
TS.8000 Series fixing pack (bottom bearing only)				11130	FIX.80.SE	100
	Cover for wood frames Satin Stainless finish	-	-	11028	CP.80.SS	25

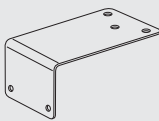
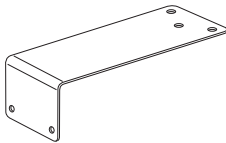
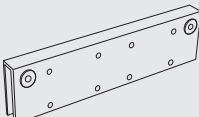
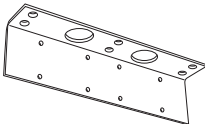
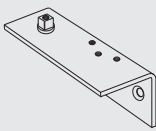
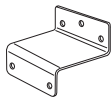
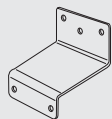
Description	Finish	Re-order Code	Product Code	Box Qty
DR.11000				
 Restrictor Stay	Silver 	11417	DR.11000.SE	10
	Satin Nickel 	12169	DR.11000.SNP	10
 Cushion stop	-	12140	SA.CS.M	10
 Hold open facility	-	12138	SA.HO.M	10


Pivot Sets


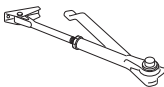
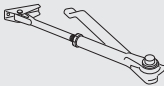
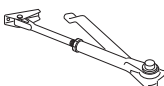
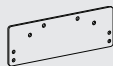
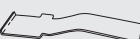

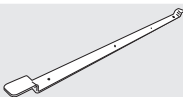
 Pivot set with adjustable top centre, bottom strap and door frame fixing bracket (ø12mm)	Satin Stainless Steel 	11215	PS.100	10
 (Left hand) Single action top & bottom centre pivot	Stainless Steel 	11218	PS.170L.SS	10
	Polished Brass 	11216	PS.170L.PB	10
 (Right hand) Single action top & bottom centre pivot	Stainless Steel 	11220	PS.170R.SS	10
	Polished Brass 	11219	PS.170R.PB	10
 Double Action Pivot Set	Stainless Steel and Polished Brass 	12057	PS.190.SS.PB	10
 Double Action Pivot	Stainless Steel 	12511	PS.190100.SS	10
 Floor Mount Spindle	Satin Stainless Steel 	11226	PS.260.SSS	10





Description	Finish	Re-order Code	Product Code	Box Qty
Emergency Release Stop				
 Emergency release door stop	Stainless Steel	11338	TH.106	50
 Emergency release door stop	Stainless Steel	11339	TH.107	50




Power Supply Unit				
 2 amp 4 way 24VDC	White Powder Coated	12160	PSU.1222	1
 4 amp 4 way 24VDC	White Powder Coated	12160/4	PSU.1224	1


Description	Finish	Re-order Code	Product Code	Box Qty
 Extended parallel arm bracket (includes fixings)	Silver	11195	PAB.2.SE	50
	Black	11189	PAB.2.BK	50
	Gold	11190	PAB.2.GE	50
	Satin Nickel	11196	PAB.2.SNP	50
	Polished Nickel	11191	PAB.2.PNP	50
	Polished Brass	11193	PAB.2.PVD	50
	Colour Coated	11194	PAB.2.RAL	50
 Extra long parallel arm bracket (includes fixings)	Silver	11982	PAB.18.SE	50
	Black	11978	PAB.18.BK	50
	Gold	11979	PAB.18.GE	50
	Satin Nickel	11983	PAB.18.SNP	50
	Polished Nickel	11980	PAB.18.PNP	50
	Polished Brass	11981	PAB.18.PVD	50
	Colour Coated		PAB.18.RAL	50
 Glass door shoe to suit glass (10mm) - Pull side fitting	Silver	11141	GDS.95.SE	10
 Soffit mounting bracket	Silver	11268	SMB.95.SE	100
 Pinion bracket	Silver	11214	PIN.SE	50
 Z Bracket	Silver	11205	PAB.5.SE	50
	Satin Stainless Steel	11206	PAB.5.SSS	50
 Angled Z Bracket	Silver	11209	PAB.6.SE	50

Description		Finish		Code	Re-order Code	Products Applicable	Box Qty
Universal Door Closer Components							
	Star Cut Screw Type Armset (includes fixings & PA bracket)	Silver		STA.3.SE	11337	TS.3204, TS.9205, TS.9206	25
		Satin Stainless		FBA.1.SSS	11093	TS.3204, TS.9205,	25
	Standard Flat Bar armset (includes fixings & PA bracket)	Silver		FBA.1.SE	11091	TS.3204, TS.5204, TS.9205	25
		Satin Nickel		FBA.1.SNP	11092	TS.3204, TS.5204, TS.9205	25
		Polished Nickel		FBA.1.PNP	11087	TS.3204, TS.5204, TS.9205	25
		Polished Brass		FBA.1.PVD	11089	TS.3204, TS.5204, TS.9205	25
		Satin Brass		FBA.1.SB	11090	TS.3204, TS.9205	25
		Black		FBA.1.BK	11085	TS.5204, TS.9205	25
		Polished Stainless		FBA.1.PSS	11088	TS.9205	25
		Antique Brass		FBA.1.AB	11084	TS.9205	25
		Antique Copper		FBA.1.AC	12132	TS.9205	25
		Dark Bronze		FBA.1.DB	12123	TS.9205	25
		Medium Bronze		FBA.1.MB	12125	TS.9205	25
		Light Bronze		FBA.1.LB	12124	TS.9205	25
		Weathered Bronze		FBA.1.WB	12133	TS.9205	25
		Colour Coated		FBA.1.RAL	11956	TS.9205	25
		Oil Rubbed Bronze		FBA.1.ORB	12149	TS.9205	25
	Standard Flat Bar Armset (star-cut) (includes fixings & PA bracket)	Silver		FBA.3.SE	11105	TS.9206	25
		Black		FBA.3.BK	11101	TS.9206	25
		Satin Nickel		FBA.3.SNP	11106	TS.9206	25
		Polished Nickel		FBA.3.PNP	11102	TS.9206	25
		Polished Brass		FBA.3.PVD	11104	TS.9206	25
		Satin Stainless		FBA.3.SSS	11107	TS.9206	25
		Polished Stainless		FBA.3.PSS	11103	TS.9206	25
		Marine 316		FBA.3.MARS	12094	TS.9206	25

Description		Finish	Code	Re-order Code	Products Applicable	Box Qty
Universal Door Closer Components						
	Parallel Arm Bracket (includes fixings)	Silver	PAB.1.SE	11186	TS.3204, TS.5204, TS.9205	50
		Satin Nickel	PAB.1.SNP	11187	TS.3204, TS.5204, TS.9205	50
		Polished Nickel	PAB.1.PNP	11182	TS.3204, TS.5204, TS.9205	50
		Polished Brass	PAB.1.PVD	11184	TS.3204, TS.5204, TS.9205	50
		Black	PAB.1.BK	11180	TS.9205	50
		Satin Stainless	PAB.1.SSS	11188	TS.9205	50
		Polished Stainless	PAB.1.PSS	11183	TS.9205	50
	Shoe Plate (includes fixings)	Silver	SP.1.SE	11269	TS.3204, TS.5204	50
		Satin Nickel	SP.1.SNP	11270	TS.5204	50
	Fig.1 (pull side) Hold Open Arm (includes fixings)	Silver	HOA.1.SE	11152	TS.3204	25
		Black	HOA.1.BK	11975	TS.3204	25
	Fig.1 (pull side) Hold Open Arm (adjustable strength 2/4) (includes fixings)	Silver	HOA.2.SE	11156	TS.5204, TS.9205, TS.9206	25
		Black	HOA.2.BK	11155	TS.5204, TS.9205, TS.9206	25
	Fig.66 (push side) Hold Open arm (adjustable strength 2/4) (includes fixings)	Silver	HOPA.SE	11158	TS.5204, TS.9205, TS.9206	25
		Black	HOPA.BK	11157	TS.5204, TS.9205, TS.9206	25
	Slide Rail Drop Plate	Silver	SA.DP.SE	12154	TS.11204, TS.11205	25
		White	SA.DP.WH	12007	TS.11204, TS.11205	35
	Cushion Stop	-	SA.CS	11249	TS.11204, TS.11205, ITS.11204, ITS.11205	25
	Stop Block	-	SA.1.BLOCK	11236	TS.11204, TS.11205, ITS.11204, ITS.11205, ITS.11204.3.5	25
	Hold Open device (not for use on fire doors)	-	SA.HO	11251	TS.11204, TS.11205, ITS.11204, ITS.11205	25
	Slide Rail Cover	Satin Nickel	SAC.2.SNP	12238	TS.11204, TS.11205	25
	Concealed mounting frame for hollow metal or aluminium door frames	Silver	SA.2.MF	12029	ITS.11204, ITS.11205	25

Description		Finish	Re-order Code	Product Code	Box Qty
Din Locks					
	DIN Standard Dead Lock Backset size 55mm	Stainless Steel - Square	50339	RDL.DL.55.SSSQ	10
		Stainless Steel - Radius	50340	RDL.DL.55.SSR	10
		Lock Intumescent Kit - suits 55/65mm backset sizes, both square and radius Din locks	12535	IP.DL	100
	DIN Standard Euro Sash Lock Backset size 55mm	Stainless Steel - Square	50331	RDL.ESL.55.SSSQ	10
		Stainless Steel - Radius	50332	RDL.ESL.55.SSR	10
		Lock Intumescent Kit - suits 55/65mm backset sizes, both square and radius Din locks	12535	IP.DL	100
	DIN Bathroom Lock Backset size 55mm	Stainless Steel - Square	50341	RDL.BL.55.SSSQ	10
		Stainless Steel - Radius	50342	RDL.BL.55.SSR	10
		Lock Intumescent Kit - suits 55/65mm backset sizes, both square and radius Din locks	12535	IP.DL	100
	DIN Standard Latch Backset size 55mm	Stainless Steel - Square	50335	RDL.L.55.SSSQ	10
		Stainless Steel - Radius	50336	RDL.L.55.SSR	10
		Lock Intumescent Kit - suits 55/65mm backset sizes, both square and radius Din locks	12535	IP.DL	100

Description		Diameter	Finish	Re-order Code	Product Code	Box Qty
Handles						
	Return to Door Lever Handle	19mm	Stainless Steel	50357	RL.RTD.121.SS	20
	T-Bar Lever Handle	19mm	Stainless Steel		RL.STB.135.SS	20
	Mitred Lever Handle	19mm	Stainless Steel		RL.M.125.SS	20

Description		Finish	Re-order Code	Product Code	Box Qty
Dog Bolt Hinge					
	Dog Bolt Security Hinge	Stainless Steel - Square	50339	RH.DBSH.34.SSS	40
		Stainless Steel - Radius	50340	RH.DBSH.34.SSR	40
		Hinge Pad Intumescent Kit for 102x76mm Square or Radius (Singles)	12682	IP.HP43	500



GIVING YOU PEACE-OF-MIND

Testing & Certification

With the mission to enhance life safety at every fire door, Rutland invest heavily in third-party certification to assist principal designers, principal contractors and accountable person's making informed decisions to meet Building Regulations.

We believe that every building should protect the life within, and from concept of the 'golden thread' of building safety information, Rutland have avidly supported and promoted an ever-growing online compliance data in digital format. Rutland website contains information on important regulations, product standards and regular webinars on current topical issues affecting fire door safety – all of which can be used as training for increased competency.



BS EN 1154 & BS EN 1155 – DOOR CLOSER Standards Explained

BS EN 1154: Controlled Door Closing Devices

This provides details on product types, classification by use, test cycles through to door mass and corrosion resistance. It also includes definitions, product performance requirements, test apparatus, test methods and marking of products.

CLASSIFICATION

A 6-digit coding system is used.

Classification Digit 1 – Category of use

For all internal and external doors for use by the public, and others, with little incentive to take care, i.e. where there is some chance of misuse of the door².

- grade 3: For closing doors from at least 105° open
- grade 4: For closing doors from 180° open¹

Note 1: For applications subject to extremes of abuse, or for particular limitations of opening angle, door closers incorporating a backcheck function or provision of a separate door stop should be considered.

Note 2: Grade 4 classification assumes standard installation according to the manufacturer's instructions.

Classification Digit 2 – Number of test cycles

Only one test duration is identified for door closers:

- grade 8: 500,000 test cycles

Classification Digit 3 – Test door mass/size

Seven test door mass grades and power sizes from EN 1 to EN 7 are identified in table 1 of this standard. Where a door closer provides a range of power sizes both the minimum and the maximum sizes are identified e.g. 2/5

Classification Digit 4 – Fire behaviour

Two grades of fire behaviour are identified for door closing devices manufactured to this standard:

- grade 0: Not suitable for use on fire/smoke door assemblies
- grade 1: Suitable for use on fire/smoke door assemblies, subject to satisfactory assessment of the contribution of the door closer to the fire resistance of specified fire/smoke assemblies. Such assessment is outside the scope of this European Standard (see EN 1634-1).

Classification Digit 5 – Safety

All door closers are required to satisfy the Essential Requirement of safety in use. Therefore only grade 1 is identified.

Classification Digit 6 – Corrosion resistance

Door closer are corrosion tested to EN 1670 and given a grade from no resistance of 0 to Very high resistance at grade 4:

- grade 0: No defined corrosion resistance
- grade 1: Mild resistance
- grade 2: Moderate resistance
- grade 3: High resistance
- grade 4: Very high resistance

CE/UKCA marking

Door closers intended for use on fire resisting doors and smoke control doors are covered by a Construction Products Directive mandate issued by the European Commission. Consequently, this standard is regarded as a "harmonised" standard and compliance with it, supported by suitable evidence, allows the application of the CE mark. It has also been adopted by the UK as a "designated" standard for UKCA marking.

BS EN 1155 – Electrically powered hold-open devices for swing doors

The standard provides details on product types, classification by use, test cycles, door mass, corrosion resistance, as well as definitions, product performance requirements, test apparatus, test methods and marking of products. In addition, the published standard includes annexes illustrating the various points made through diagrams and supplementary text.

SCOPE

This European standard specifies requirements for separate hold-open devices and also for holdopen mechanisms incorporated in a door closer. Electrically powered hold-open devices for swing doors manufactured according to this European standard can hold a swing door at a fixed position or can allow the door to swing freely. In each case interruption of the electrical supply will cause the controlled door to close positively.

Electrically powered hold-open devices manufactured in accordance with this European standard are recommended for use wherever there is a requirement for reliable hold-open and release of self-closing fire/smoke door assemblies. Whilst these devices can incorporate smoke or fire detection elements, the performance of those particular elements is outside the scope of this European standard.

CLASSIFICATION

BS EN 1155 classification is the same 6 digit coding system, taken from the BS EN 1154 testing standard.

Digit 1 – Category of use

Only one category of use is identified for electrically powered hold-open devices. – grade 3: for doors for use by the public, and others, with little incentive to take care, i.e. where there is some chance of misuse of the door.

Note: for electrically powered hold-open and free-swing door closers, where the opening angle is limited by the device, provision of a separate door stop should be considered.

Digit 2 – Number of test cycles

Two test duration are identified for devices manufactured to this European standard:

- grade 5: 50 000 test cycles. For all electrically powered hold-open devices
- grade 8: 500 000 test cycles. For all electrically powered hold-open and free-swing door closers and devices that contain operating arms.

Digit 3 – Test door mass

Five door mass grades and related hold-open power sizes are identified according to Table 1 of this European standard.

Where an electrically powered hold-open device is suitable for a range of door closer power sizes, both the minimum and maximum power sizes shall be shown.

Digit 4 – Fire resistance

Only one grade of fire resistance is identified for electrically powered hold-open devices manufactured to this European standard:

- grade 1: Suitable for use on fire/smoke door assemblies subject to satisfactory assessment of the contribution of the electrically powered hold-open device to the fire resistance of specified fire/smoke door assemblies. Such assessment is outside the scope of this European standard (see EN 1634-1).

Digit 5 – Safety

Electrically powered hold-open devices are required to satisfy the Essential Requirement of safety in use. Therefore only grade 1 is identified.

Digit 6 – Corrosion resistance

Five grades of corrosion resistance are identified in accordance with EN 1670:

- grade 0: no defined corrosion resistance.
- grade 1: mild resistance.
- grade 2: moderate resistance.
- grade 3: high resistance.
- grade 4: very high resistance.

This page is not intended to be the full representation of the standards, and it is recommended you purchase your own copies from BSI.

KEEPING YOU UPDATED

Latest Topics

Challenges faced by contractors such as new air circulation systems preventing doors closing, through to tight door gaps with excessive smoke seals impeding a door closing ability. Airlocks and airtight buildings can impede doors closing safely, especially if the wrong door closer is used.

Door control questions are regularly answered on the news section in Rutland's website.

Recent subjects have included:



Why do door closers go down to EN2 when EN3 is the legislated minimum?

In this post understanding the BS EN 1154 recommending door closers on fire doors being a minimum EN3 power size is discussed, and why many top contractors are choosing a power adjustable 2-4 or 2-5 door closer...<https://www.rutlanduk.co.uk/why-do-door-closers-go-down-to-en2-when-en3-is-the-legislated-minimum>



What's the quickest way to increase the scope of my existing PAS 24 / dual-certified doorset?

In this article, we look at a few areas to consider when seeking to extend the scope of a dual-certified doorset, and how this can process can be achieved most efficiently, without cutting corners in life safety. <https://www.rutlanduk.co.uk/what-to-do-when-certification-not-accepted>



How do we adjust door closers to overcome air pressures?

When a door closes, air needs to escape or equalise. When air pressures are high, the door needs to close more slowly but with more force. Doors, therefore, need to be adjusted accordingly to increase power & decrease speed...in this post we explain how small adjustments can make a big difference.



Danger of value engineering affecting life safety

Here the danger of value engineering is warned against, especially when life safety is at stake. 'Race to the bottom', ignoring the value of correct testing and certification can result in serious consequences. In Rutland's opinion, life is too precious to drive its value down through commercial processes. Read the full post on website news section...<https://www.rutlanduk.co.uk/danger-of-value-engineering-affecting-life-safety>

KEEPING YOU UPDATED

EVENTS

To watch the recordings of our webinars, please head over to the events page on our website: www.rutlanduk.co.uk/events

WEBINAR SERIES

How accountable
is 'Accountable'
within the
Golden Thread?



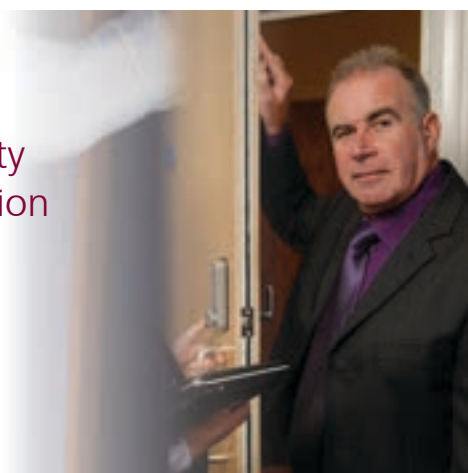
WEBINAR SERIES

Ensuring a
commercially
sustainable
future in Door
Manufacturing



WEBINAR

Third-Party
Certification
Explained



PODINAR EVENTS

Covid ventilation
vs keeping fire
doors closed



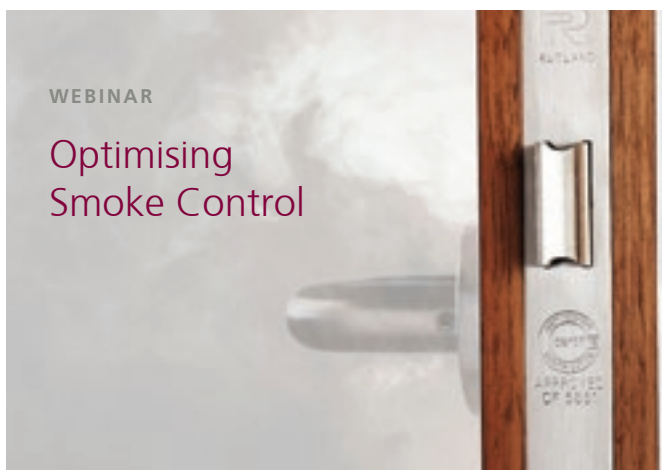
WEBINAR

Dual Certification
Unravelling



WEBINAR

Optimising
Smoke Control



DOOR CLOSER GUIDANCE

Fixing Positions

Figure 1: Standard Fixing

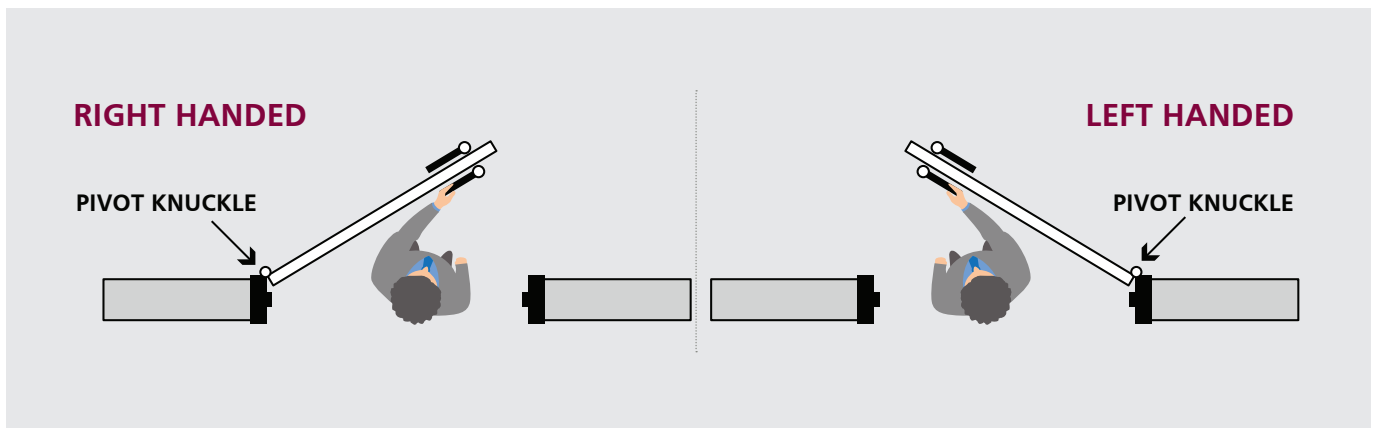
A standard fit where the closer is fitted to the pull side of the door.

Figure 61: Transom Fixing

A transom mounting where the closer is fitted to the door frame.

Figure 66: Parallel arm Fixing

Where the closer is fitted to the push side with a parallel arm bracket.



Handing

There are various opinions amongst hardware manufacturers and door manufacturers on the handing of a door and hardware. To make it easy, Rutland have chosen the method whereby if you are on the side of the door where you can see the hinge knuckle, if the hinge knuckle is on your left, the door is left handed, and if the hinge knuckle is on your right it is a right handed door.

DOOR CLOSER GUIDANCE

Typical Standard Arm Installation Details

Figure 1 - Standard

For fixing pull side of the door.

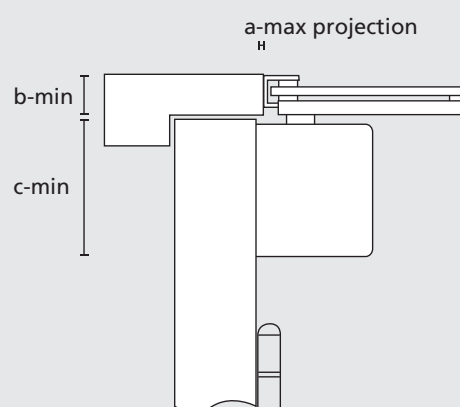
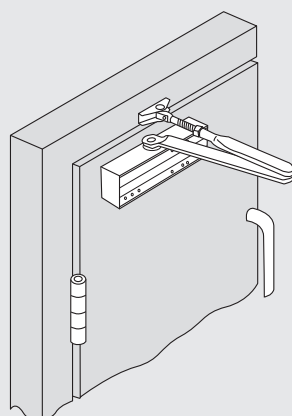


Figure 66

For fixing push side of the door.

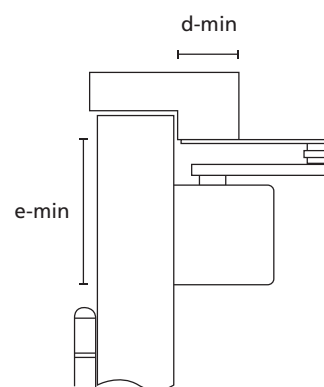
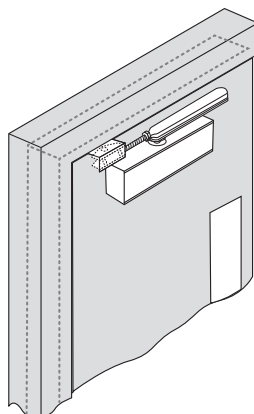
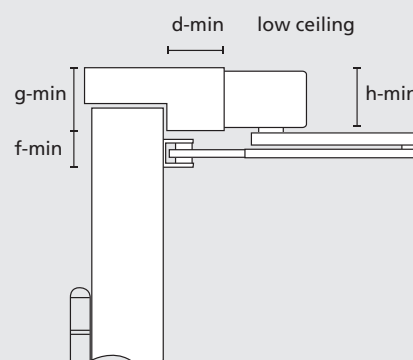
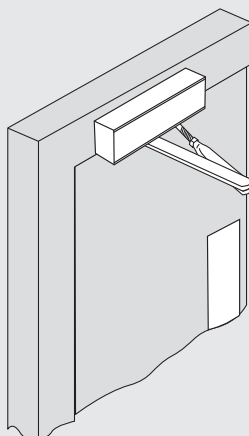


Figure 61

For fixing to transom on push side of the door.



Fixings and fixing instructions are supplied in each pack.



DOOR CLOSER GUIDANCE

How do I know my door closer will assist BS 8300?

As a designer and manufacturer of door closers, you might think that we'd only be concerned about the forces required to close a door. But the force applied to close a door corresponds directly to the force required to open that door. And whilst fire safety regulations dictate that fire doors must close completely and reliably, Equality legislation protecting the physically impaired demands that spaces are universally accessible. This means that choosing the correct door closer can often be a balancing act between allowing ease of opening and ensuring reliable closing.

In juggling these competing priorities, our customers often come to us and ask: How can I be sure that the door closer I order will comply with BS 8300 regulations in situ? This is particularly challenging because until the door and its closer are installed, it is difficult to assess exactly what closing force will be required and what the corresponding opening force will therefore be.

Door opening requirements

British standard BS 8300-2:2018, in tandem with Doc M, provides practical guidance on how to meet the minimum standards required to comply with the Equality Act.: "...a door closer must produce an opening force of below 30N between 0° and 30° degrees and below 22.5N between 30° and 60° degrees...". With this guidance in mind, we are often asked what power door closer do I need for a 60kg door to comply with BS 8300 requirements? Sadly, the answer is, it's not that simple but in this blog we explore how you can make an educated estimate whilst making provisions for other factors that come into play once on site.

Weight is only one factor

Whilst it is impossible to accurately predict the eventual opening force of the door once installed, there are reasonable steps you can take to ensure that the final opening force of the door is enough to comply with the Equality Act and ensure that those who are physically impaired can still access facilities easily.

Whilst weight is a key factor that will inform which door closer you choose, it is not the only one. Physics dictates that it is the weight combined with the width that dictates the starting point for your choice of door closer. For instance, a very wide 40kg door is a lot easier to open at the leading edge than a very narrow 40kg door.

A starting point

It is possible to estimate the power size required by looking at the weight and width of the door. The table below is a good place to start when choosing a door closer.

Power size (EN)	Max door weight (kg)	Max door width (mm)
1	20	750
2	40	850
3	60	950
4	80	1100
5	100	1250
6	120	1400

*An abridged table based on guidance given in BS 1154

Do bear in mind that guidance states that fire doors should be fitted with EN 3 door closers as a minimum.

Other factors to consider

Of course we all know that when installing a door on-site, other factors come into play which often impact on door opening/closing forces: air pressures in the rooms on each side of the doorway, whether or not door seals are fitted, the quality of door hardware used, and potentially other factors. Therefore, a door closer will often need adjusting once the doorset has been installed.

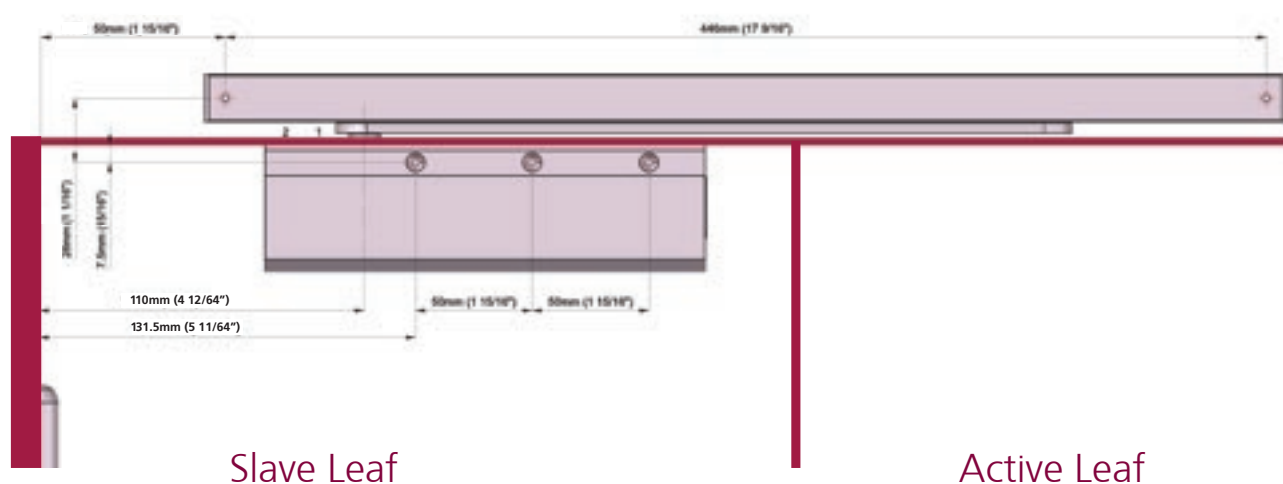
Rutland recommendation

In conclusion, it is entirely legitimate to be uncertain as to whether a door closer will assist with BS 8300 regulations or not (whilst also adhering to fire regulations), because it is impossible to predict all the contributing factors in the eventual environment. For this reason, we recommend making an estimate using the weight and width of the door and then using an adjustable closer, such as the TS.11204, that covers a power above and below the expected power required, in order to balance the competing demands of sufficient closing power and the correct ease of opening.

DOOR CLOSER GUIDANCE

Door width sizing guide

Minimum Door Widths				
Door Closer	Pull Side		Push Side	
	Door Mounted	Transom Mounted	Door Mounted	Transom Mounted
TS.3204	300mm	-	470mm	300mm
TS.4204	340mm	-	485mm	340mm
TS.5204	360mm	-	485mm	360mm
TS.9205	390mm	-	470mm	390mm
TS.9206	415mm	-	490mm	415mm
TS.10106	330mm	-	535mm	330mm
TS.24	490mm	490mm	-	515mm
TS.11204	575mm	575mm	575mm	575mm
TS.11205	575mm	575mm	575mm	575mm
ITS.11204	595mm	595mm	595mm	595mm
ITS.11205	595mm	595mm	595mm	595mm
ETS.18314	385mm	-	502mm	-
TS.FIRETRAK	600mm	600mm	615mm	600mm



The minimum width for the slave leaf is 360mm, in this case the minimum width for the active leaf would need to be 780mm – the total width between the two leaf's can not be less than 1140mm.

MAKING THE RIGHT CHOICE

Colour / Finish



Silver

UK	US	BHMA
SE	2G	603



Satin Nickel Plate

UK	US	BHMA
SNP	US15	646



Polished Nickel Plate

UK	US	BHMA
PNP	US14	645



Polished Brass

UK	US	BHMA
PVD	SP4	706



Satin Stainless Steel

UK	US	BHMA
SSS	US32D	630



Polished Stainless

UK	US	BHMA
PSS	US32	629



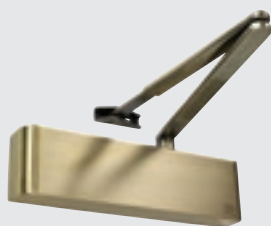
Black

UK	US	BHMA
BK	SPBLK	693



Antique Copper

UK	US	BHMA
AC	-	657



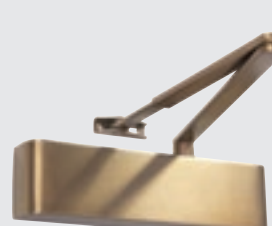
Antique Brass

UK	US	BHMA
AB	US7	636



Satin Brass

UK	US	BHMA
SB	US4	633



Light Bronze

UK	US	BHMA
LB	US13	656



Medium Bronze

UK	US	BHMA
MB	-	694



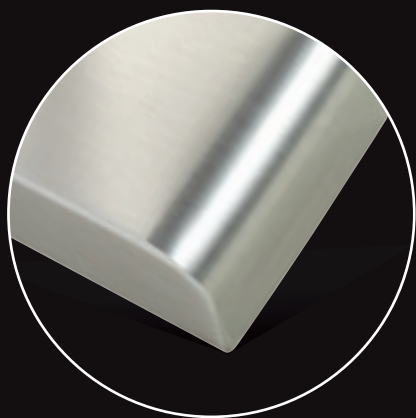
Dark Bronze

UK	US	BHMA
DB	US11	617

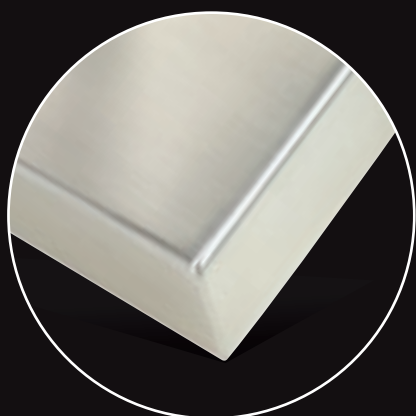


Weathered Bronze

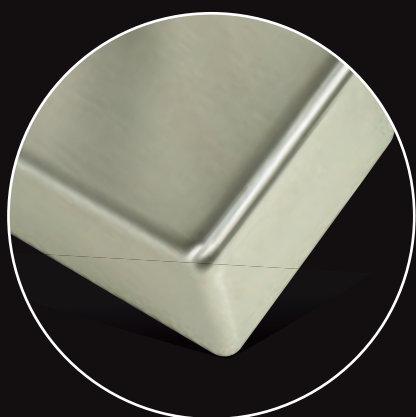
UK	US	BHMA
WB	US26	625



Semi Radius Cover



Square Edged Cover



Soft Line Cover

MAKING THE RIGHT CHOICE

Design Style

Soft Line; Square Edge or Semi Radius covers

Rutland understands the need of variety. Our product range gives you a wide choice of options, different styles, shapes, and colours providing the changing image to the architecture of any building.

For the latest trends, designs and styles please visit our website – www.rutlanduk.co.uk



MAKING THE RIGHT CHOICE

FAQs

Can I use Rutland door closers externally?

Yes, if not exposed to the elements (weather, rain, snow, salt water spray etc). Each Rutland CE Certificate shows classification for corrosion resistance in box 6. For external use where exposed to the weather use a grade 4 door closer, which is for high resistance.

What is Back Check?

Back check provides a cushioning effect when a door is forcibly thrown open. It is not a substitute for a doorstop.

What is Delayed Action?

Delayed action prolongs closing time, for example to make it easier for wheelchairs or less able people to pass through the door easily. On a fire door this should be set to a max of 25 seconds delay from fully open to 70 degrees where the normal valves will take over. For the TS.9205 in figure 66, a star cut arm must be used to enable this to work.

What is the British Standard BS 8300:2009+A1:2010?

It's the standard that covers the design of buildings and the approach to meeting the needs of people with disabilities. It's widely used as a reference document for guidance on issues not specifically covered in building regulations.

With regard to door closers, BS 8300 states: 'the opening force, when measured at the leading edge of the door, should be not more than 30 N from 0° (the door in the closed position) to 30° open, and not more than 22.5 N from 30° to 60° of the opening cycle.'

My door closer doesn't work, what should I do?

If your door closer is not working and you're wondering what steps to take, we have a helpful blog on our website:

<https://www.rutlanduk.co.uk/door-closer-is-not-working> which takes you through the possible causes of your door closer not working. Alternatively, send us an email or give us a call, and our technical team will be more than happy to help!

What do I do if I want to return some products?

Products can easily be returned if you follow the simple guidelines:

1. Confirm it is a Rutland product (*Please note that bespoke colour finishes are not returnable)
2. Have the correct invoice that it was sold to yourselves on
3. Check the date it was despatched to yourselves
4. Contact Rutland and confirm reason for return
5. Collect a returns note from Rutland with the agreed credit if applicable – subject to inspection on return.
6. Pack product securely and Label with Rutland address.
7. Agree a date and time for Rutland to collect.
8. Please remember that goods will be credited if returned in a re-saleable condition and in perfect working order. Goods returned after 3 months may not be credited.

FIND US ON

NBS Source

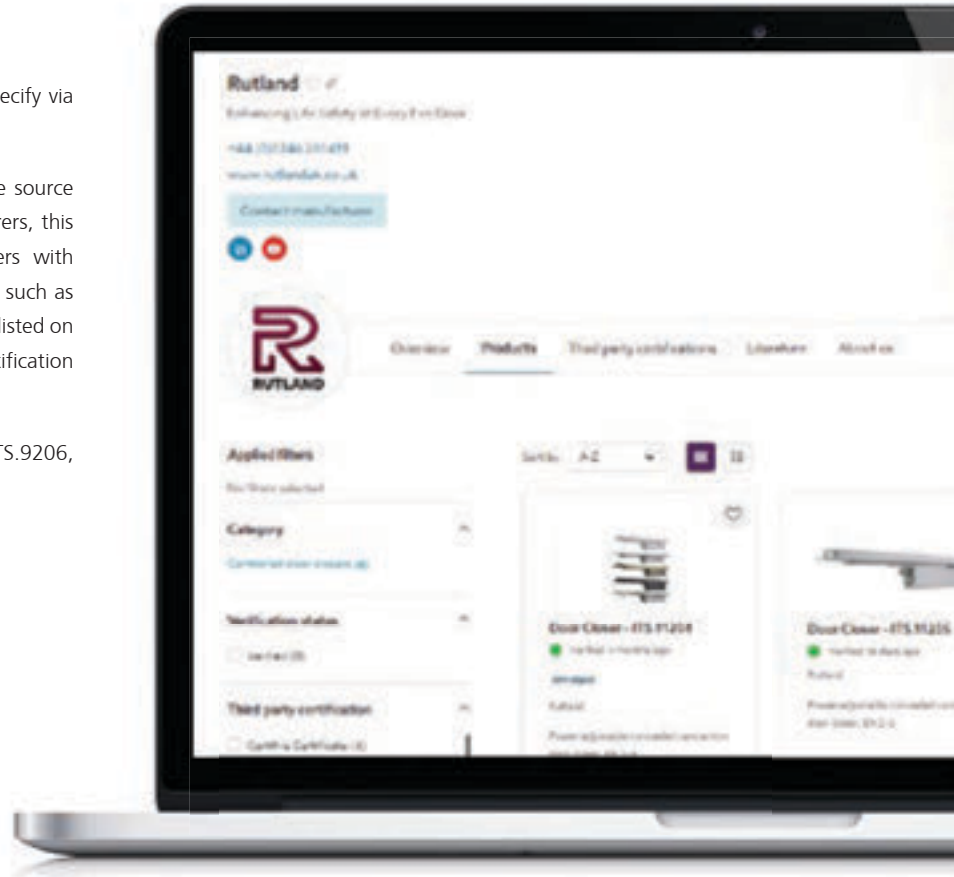


Rutland now have a range of products available to specify via the NBS Source portal.

NBS source is a specification tool that creates a single source for product information. With over 1,100 manufacturers, this platform provides architects, engineers and specifiers with ready to use product specifications and digital objects such as BIM files. The following Rutland products are currently listed on the NBS source platform, with Images, data sheets, certification and BIM files readily available:

TS.11204, TS.11205, ITS.11204, ITS.11205, TS.9205, TS.9206, TS.5204, TS.3204.

Check out the portal on the below link:



EARN CPD POINTS WITH OUR

RIBA Approved CPD



Rutland offers a RIBA approved CPD titled 'Design Considerations for Fire Door Control and Understanding Today's Fire Door Challenges'.

This seminar can be scheduled as an online or in-person CPD via the RIBA website by scanning



Alternative training courses and CPD's are also available upon request, including our Door Closer installer training course.







Contact us

WE'RE HERE TO PROVIDE AN
EXCEPTIONAL EXPERIENCE

Once you have your REORDER CODE
place your order via:

 sales@rutlanduk.co.uk

 +44 (0)1246 261491

Tell us the quantity you require;
Delivery address; DONE!

Using the REORDER CODES will ensure you
receive the product you need every time!



Enhancing life safety at every fire door

Enhancing life safety at every fire door

Through our expert advice and support, we provide the peace of mind that full compliance is achieved and that life safety is assured.



Head Office:

Rutland Trading Co. Ltd.
Whittington Way,
Chesterfield, S41 9AG

Contact us:

+44 (0)1246 261491
sales@rutlanduk.co.uk
rutlanduk.co.uk