



High Performance Door Products

Information Guide Ironmongery



Uniclass	L4183
CI/SfB	(31.59)

Date August 2014

Introduction

Established in the early 1990's, Halspan very quickly built up a reputation for innovation.

First, we developed an entirely new way of constructing a door – using door blanks made from 3-layer particle board. We were also the first company to offer a full range of testing. We didn't just test one door blank to see whether it could be used as a fire door – we tested every conceivable door configuration and mode.

Since then we've stayed firmly at the forefront of our industry, continually exploring and developing new products to suit both the changing demands for buildings and the environment. We've been just as active – and proactive – on the service side. Designed to make it easier and quicker to specify the right doors for the job, our Product Selector Tool is free for anyone to use on our website.

Today, Halspan is one of the world's leading suppliers of quality door components, catering for customers in the education, healthcare, hospitality, industrial, commercial, residential, retail and Government sectors on all five continents.

For an unrivalled range of timber fire doors, glass, fire glass, fire-rated steel frames and now seals and hardware, say hello to Halspan.

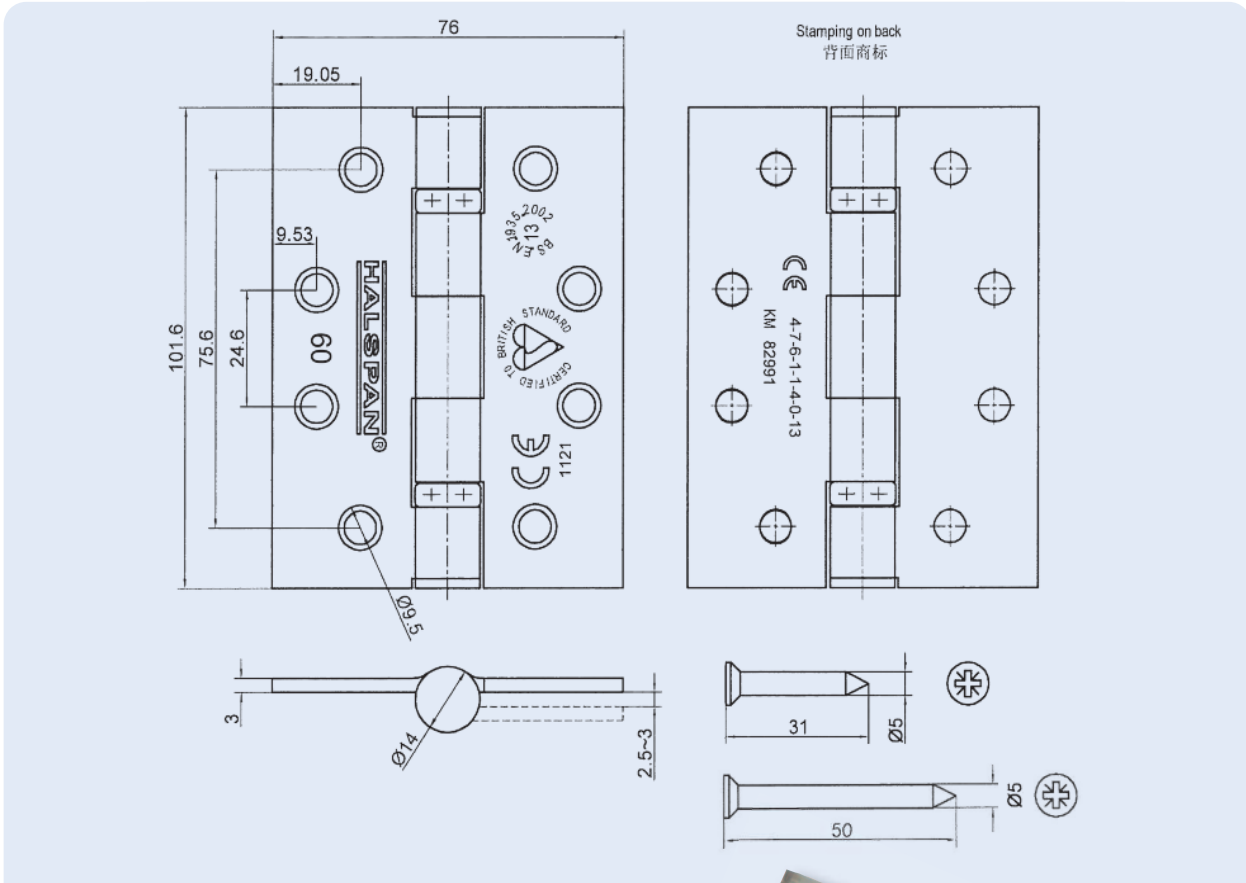
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HALSPAN® 30 Square Corner Hinge

HIN-BSS-103



SPECIFICATION:

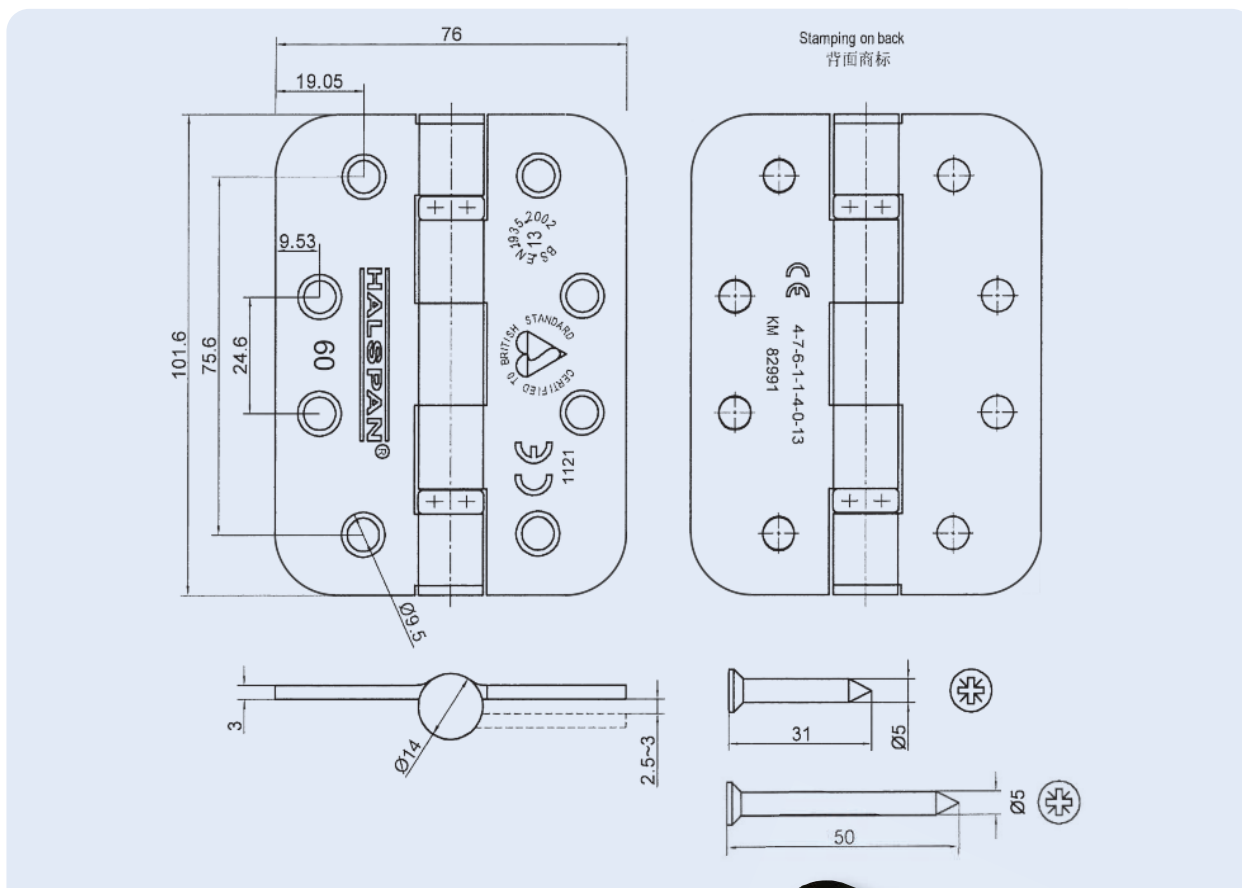
- 101.6 x 76 x 3mm Ball Bearing Hinge
- Grade 13 Satin Stainless Steel
- Appropriate for use with backcheck door closers
- Maximum adjusted door weight 120kg
- Unit weight 0.26kg
- Fire tested BS476:pt 22:1987 and EN1634-1:2008
- BS EN 1935 2002 - CE 1121



4 7 6 1 1 1 4 0 13

HALSPAN® 30 Radius Corner Hinge

HIN-BSS-104



SPECIFICATION:

- 101.6 x 76 x 3mm Ball Bearing Hinge
- Grade 13 Satin Stainless Steel
- Appropriate for use with backcheck door closers
- Maximum adjusted door weight 120kg
- Unit weight 0.26kg
- Fire tested BS476:pt 22:1987 and EN1634-1:2008
- BS EN 1935 2002 - CE 1121



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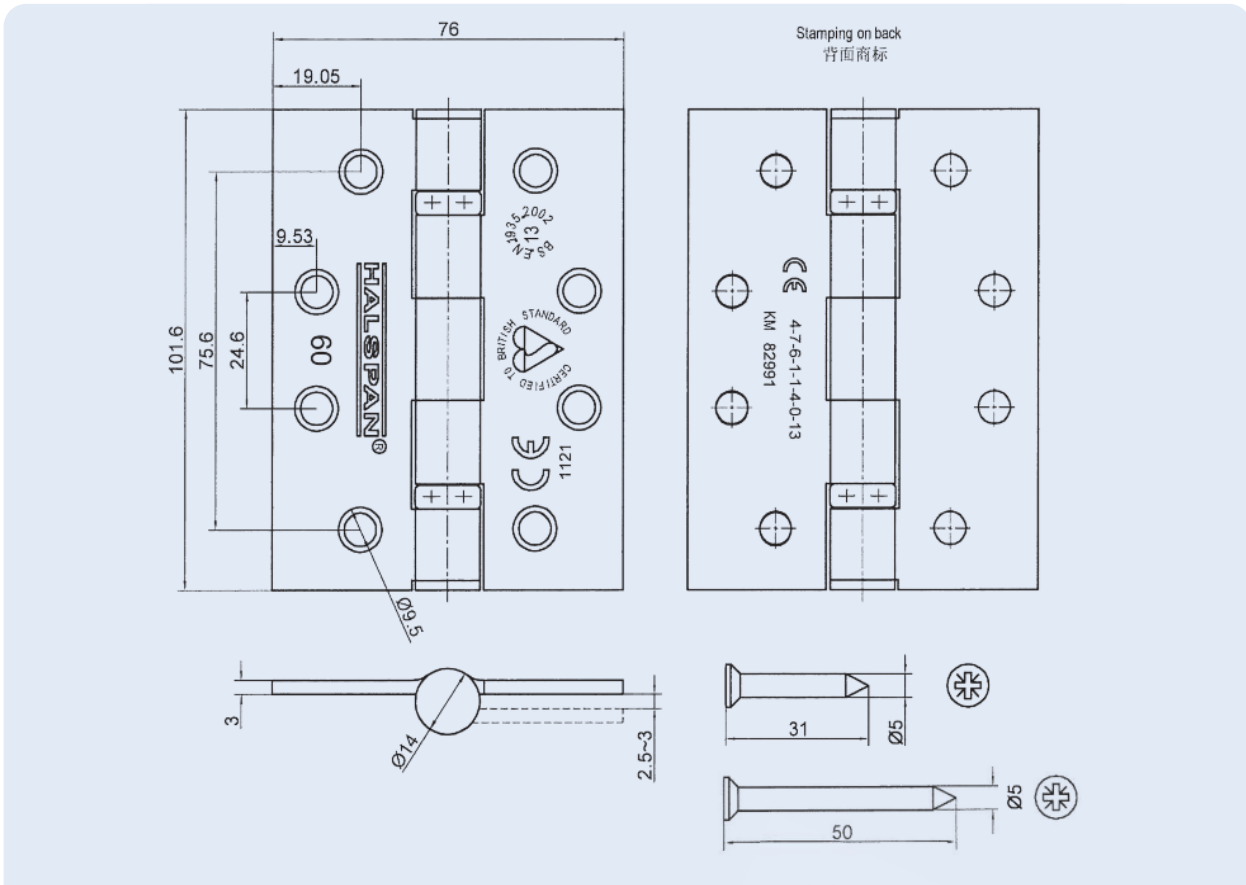
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HALSPAN® 60 Square Corner Hinge including Intumescent Protection BOM-HIN-200



SPECIFICATION:

- 101.6 x 76 x 3mm Triple Knuckle Butt Hinge
- Grade 304 Stainless Steel
- Appropriate for use with backcheck door closers
- Maximum adjusted door weight 120kg
- Unit weight 0.26kg
- Fire tested BS476:pt 22:1987 and EN1634-1:2008
- BS EN 1935 2002 - CE 1121
- When fitted with approved intumescent hinge pad



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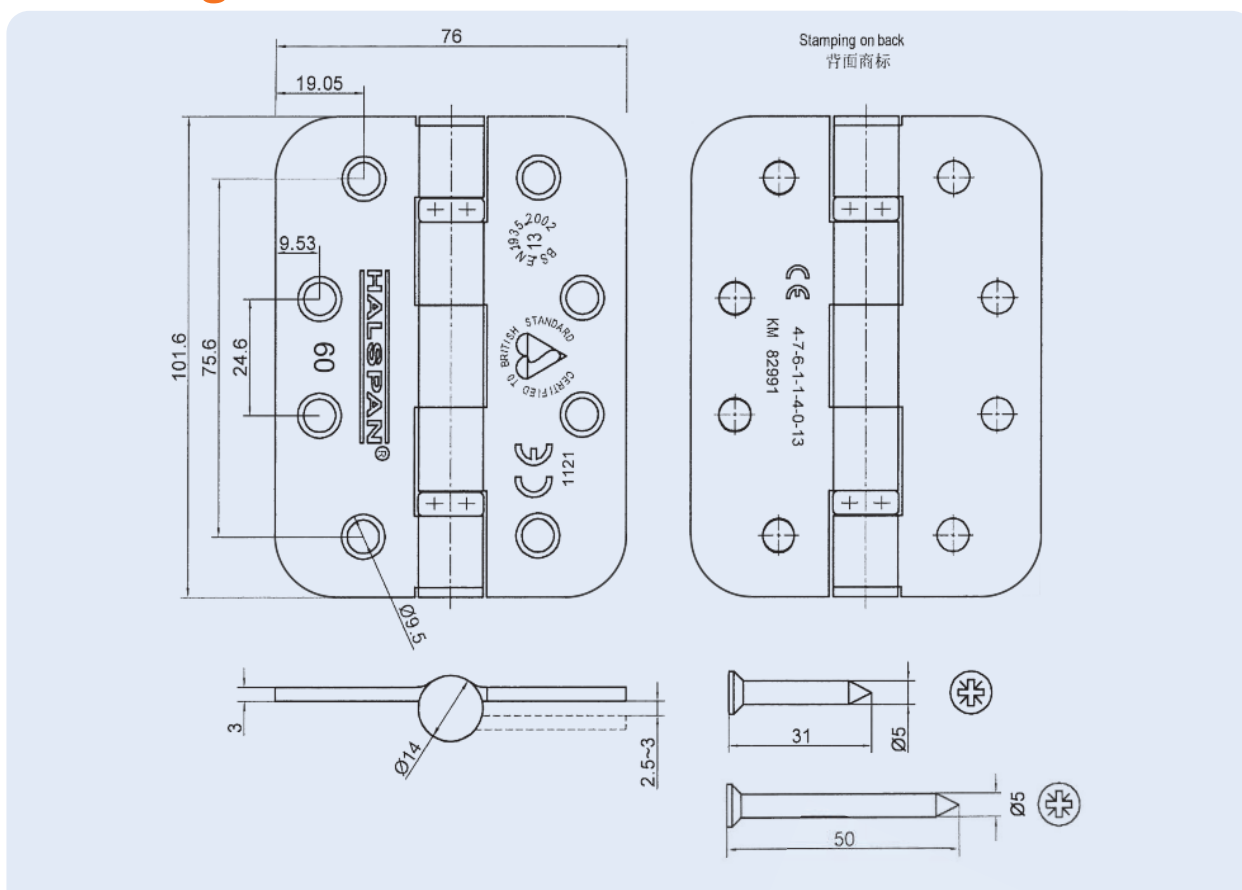
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Information Guide to Ironmongery

HALSPAN® 60 Radius Corner Hinge including Intumescent Protection BOM-HIN-201



SPECIFICATION:

- 101.6 x 76 x 3mm Triple Knuckle Butt Hinge
- Grade 304 Stainless Steel
- Appropriate for use with backcheck door closers
- Maximum adjusted door weight 120kg
- Unit weight 0.26kg
- Fire tested BS476:pt 22:1987 and EN1634-1:2008
- BS EN 1935 2002 - CE 1121
- When fitted with approved hinge pad



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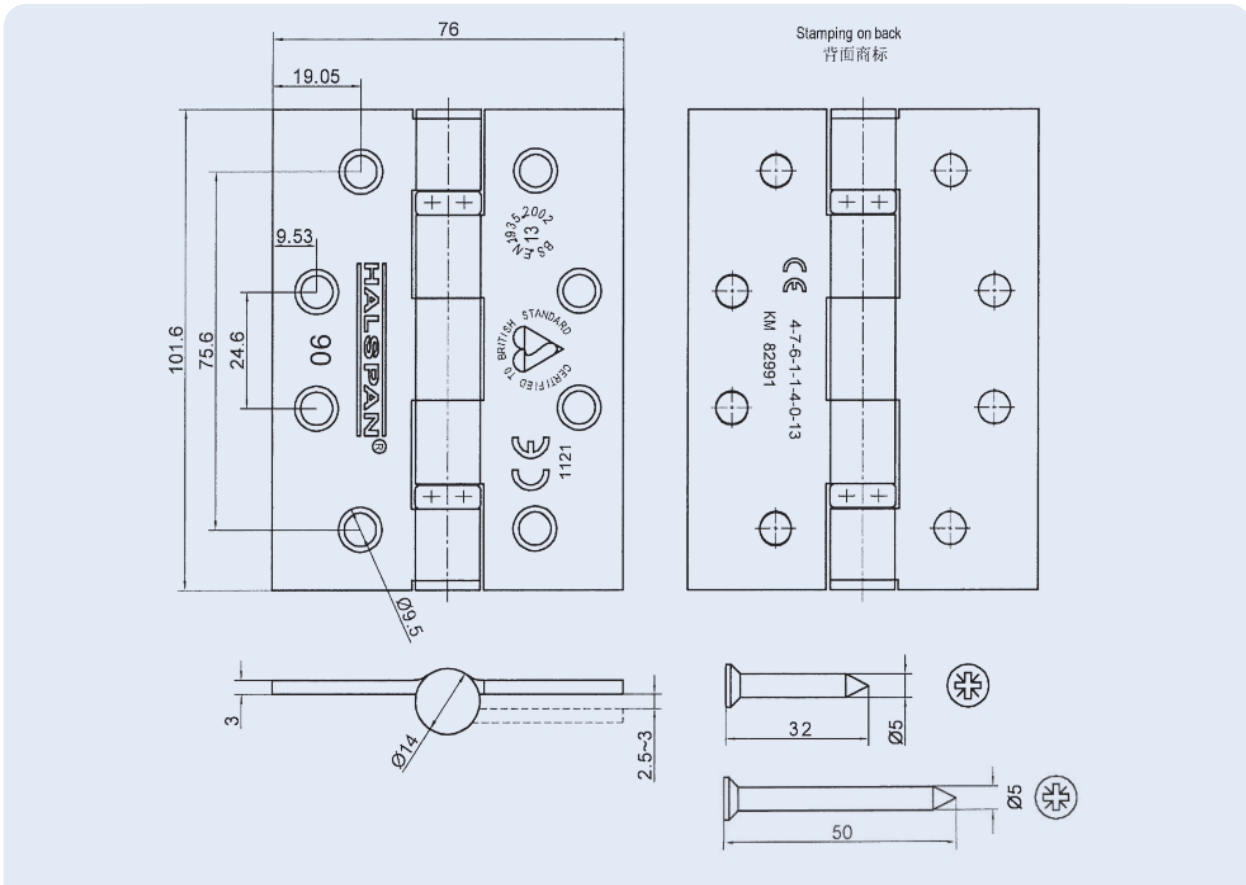
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HALSPAN® R90 'Lite' Butt Hinge (HIN-BSS-105) including Intumescent Protection (SLS-PAD-102)



SPECIFICATION:

- 101.6 x 76 x 3mm Triple Knuckle Butt Hinge
- Grade 304 Stainless Steel
- Appropriate for use with backcheck door closers
- Maximum adjusted door weight 120kg
- Unit weight 0.26kg
- Fire tested BS476:pt 22:1987
- BS EN 1935:2002 - CE 1121
- When fitted with approved hinge pad



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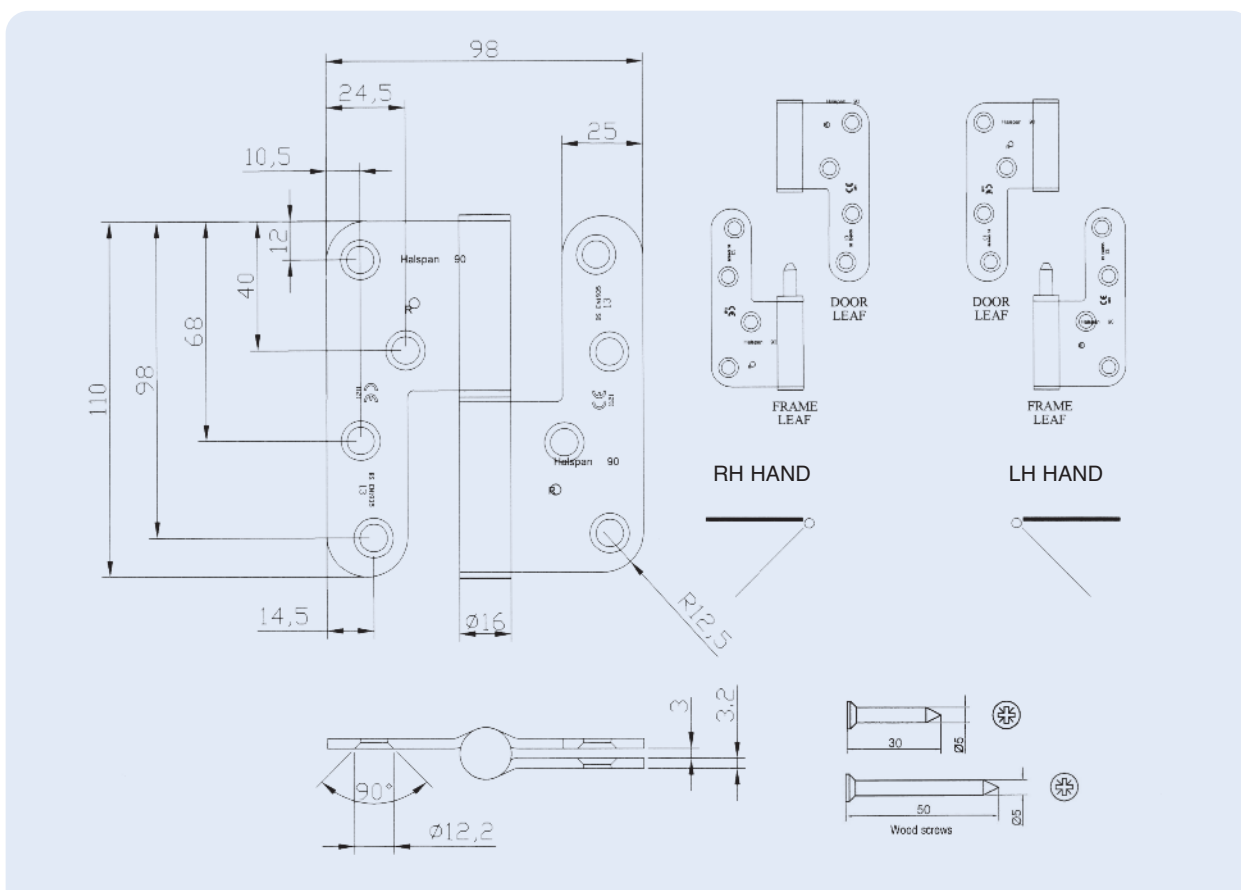
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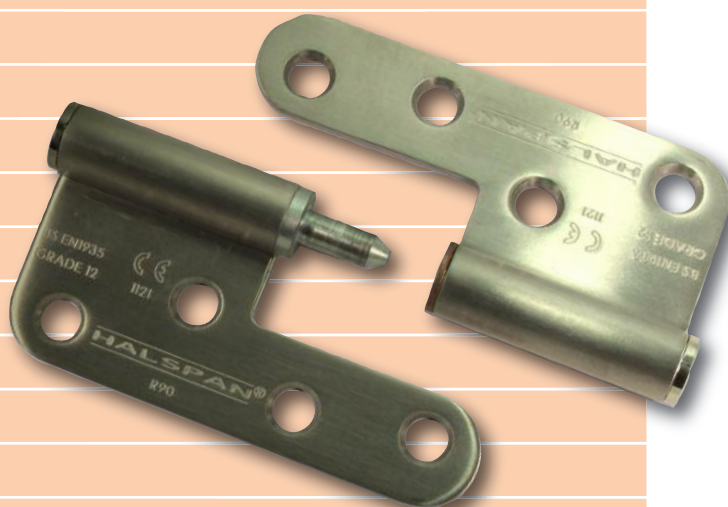
HALSPAN® 90 Lift Off Hinge including Intumescent Protection BOM-HIN-100-LH & BOM-HIN-101-RH



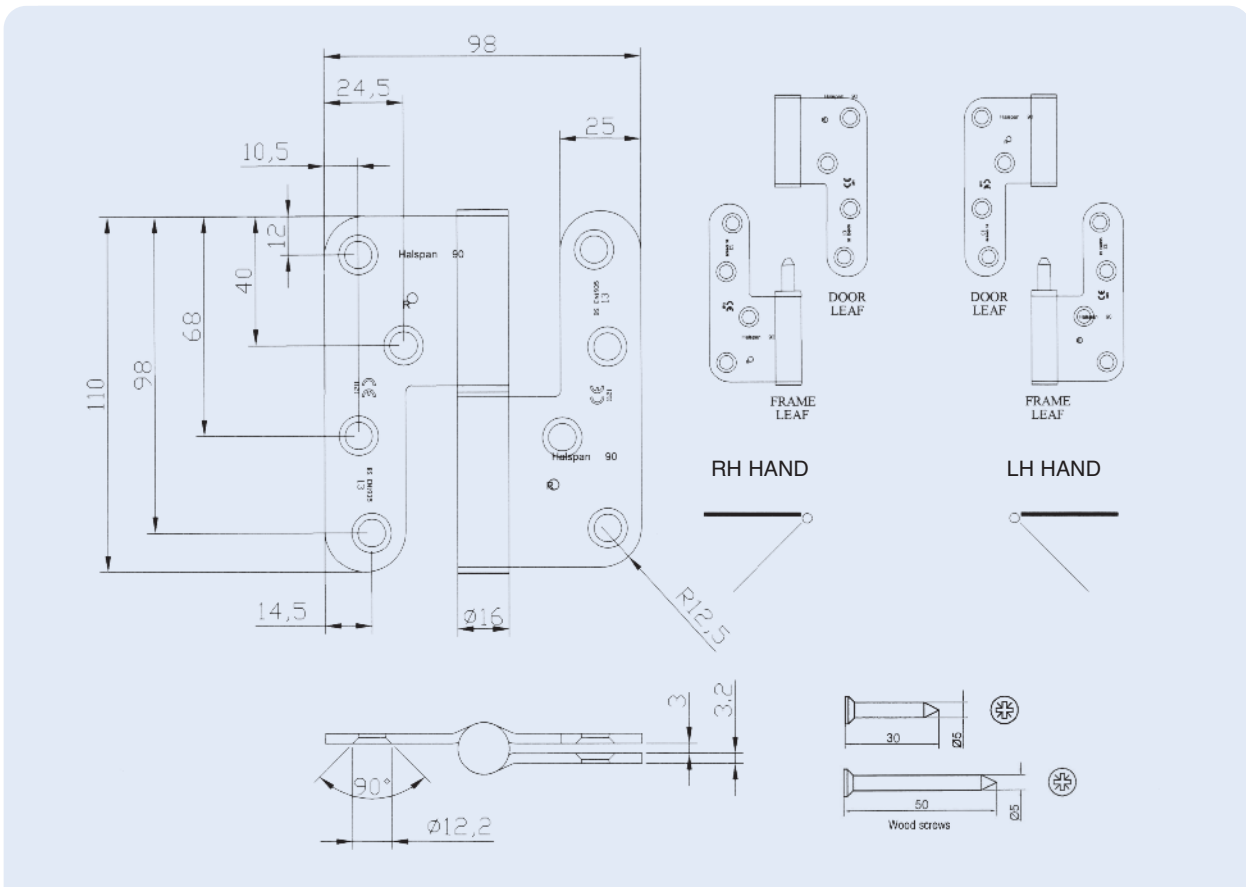
SPECIFICATION:

- 110 x 98 x 3.2mm lift-off hinge
- Grade 304 Stainless Steel
- Maintenance free, guaranteed for 25 years
- Appropriate for use with backcheck door closers
- Maximum adjusted door weight 120kg
- Unit weight 0.34kg
- CE Certificate No 1121-CPD-AC0010 (SS)
- CE Certificate No 1121-CPD-AC0022 (MS)
- Fire tested BS476:pt 22:1987
- BS EN 1935:2002 - Class 13
- When fitted with approved hinge pads

Supplied as BSS Finish (BZP, SBS & EBP also available)



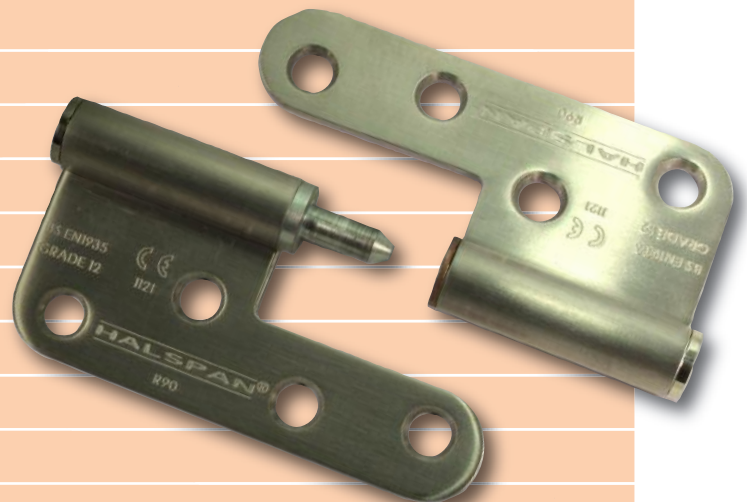
HALSPAN® 90 Lift Off Hinge including Intumescent Protection BOM-HIN-102-LH & BOM-HIN-103-RH



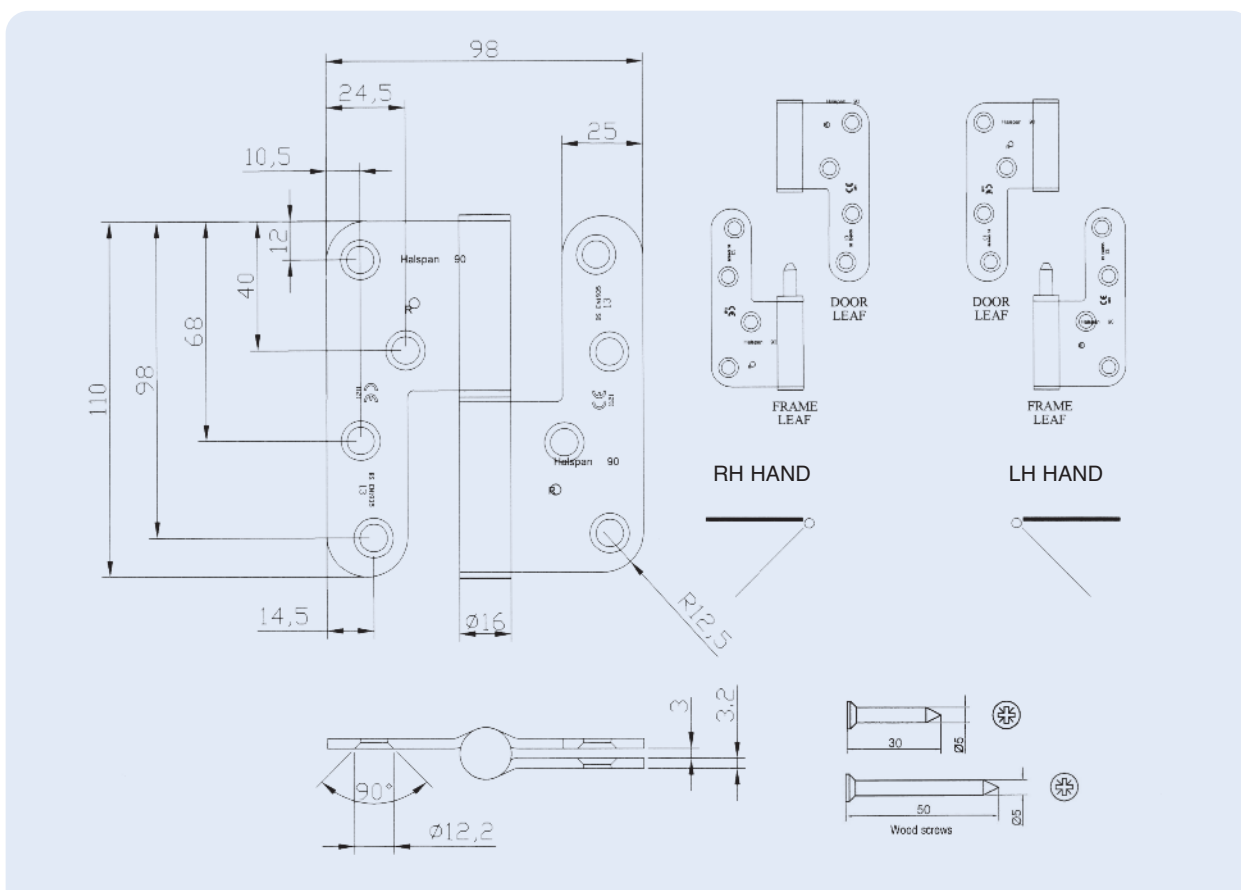
SPECIFICATION:

- 110 x 98 x 3.2mm lift-off hinge
- Grade 304 Stainless Steel
- Maintenance free, guaranteed for 25 years
- Appropriate for use with backcheck door closers
- Maximum adjusted door weight 120kg
- Unit weight 0.34kg
- CE Certificate No 1121-CPD-AC0010 (SS)
- CE Certificate No 1121-CPD-AC0022 (MS)
- Fire tested BS476:pt 22:1987
- BS EN 1935:2002 - Class 13
- When fitted with approved hinge pads

Supplied as BZP Finish (BSS, SBS & EBP also available)

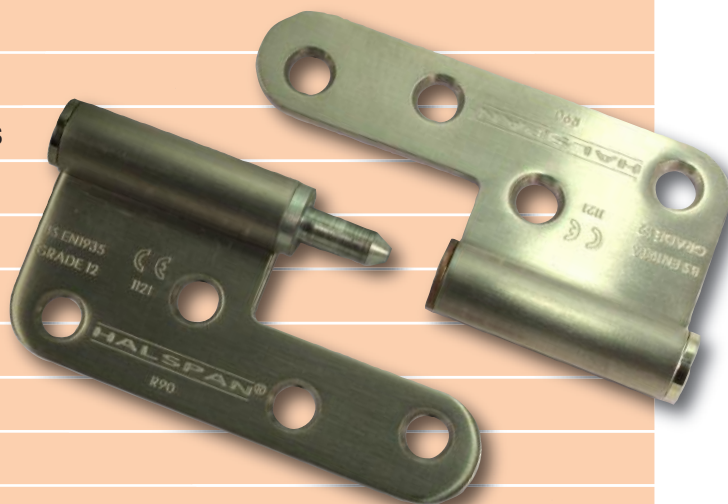


HALSPAN® 90 Lift Off Hinge including Intumescent Protection BOM-HIN-104-LH & BOM-HIN-105-RH



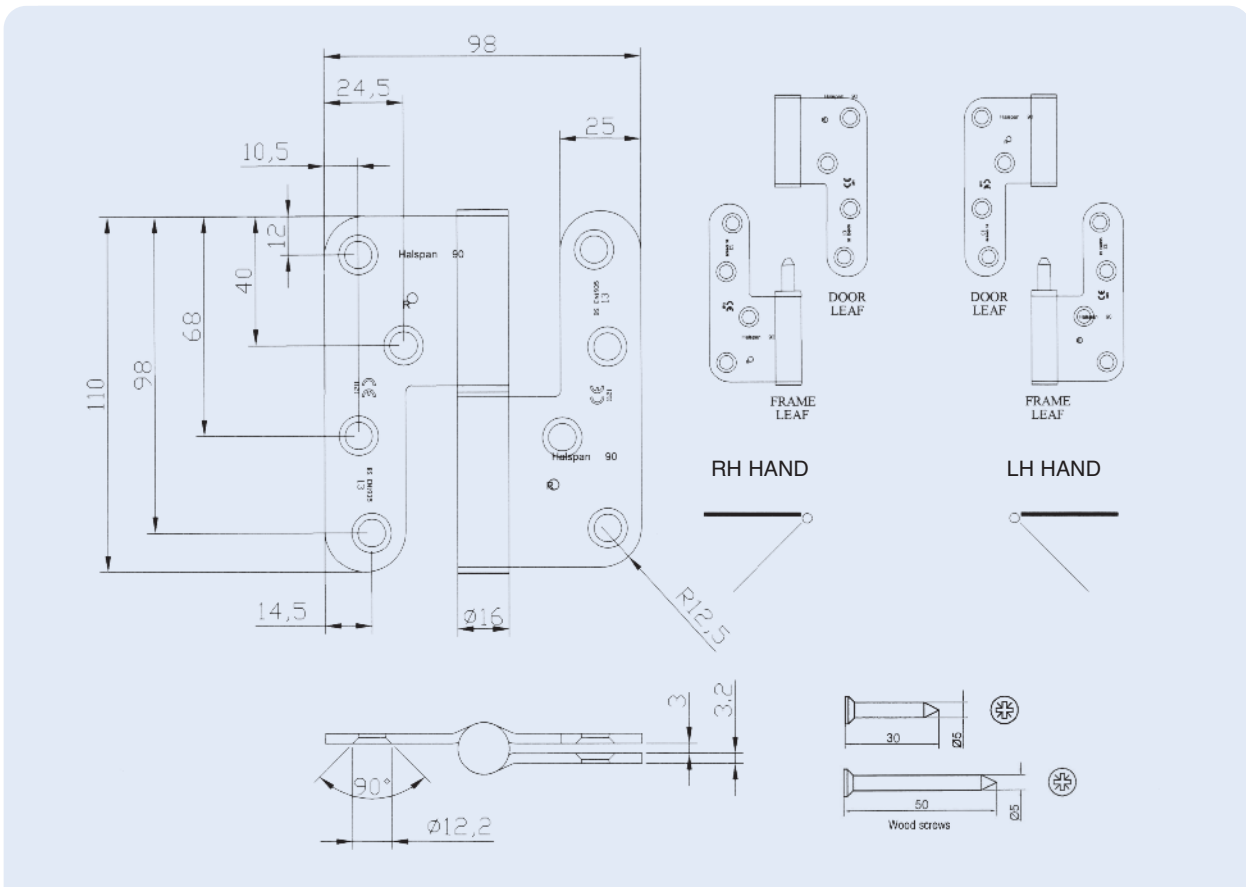
SPECIFICATION:

- 110 x 98 x 3.2mm lift-off hinge
- Grade 304 Stainless Steel
- Maintenance free, guaranteed for 25 years
- Appropriate for use with backcheck door closers
- Maximum adjusted door weight 120kg
- Unit weight 0.34kg
- CE Certificate No 1121-CPD-AC0010 (SS)
- CE Certificate No 1121-CPD-AC0022 (MS)
- Fire tested BS476:pt 22:1987
- BS EN 1935:2002 - Class 13
- When fitted with approved hinge pads



Supplied as SBS Finish (BSS, BZP & EBP also available)

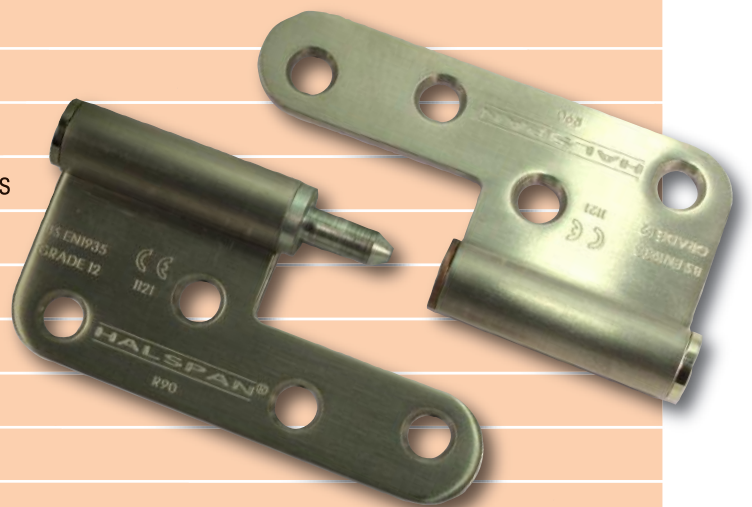
HALSPAN® 90 Lift Off Hinge including Intumescent Protection BOM-HIN-106-LH & BOM-HIN-107-RH



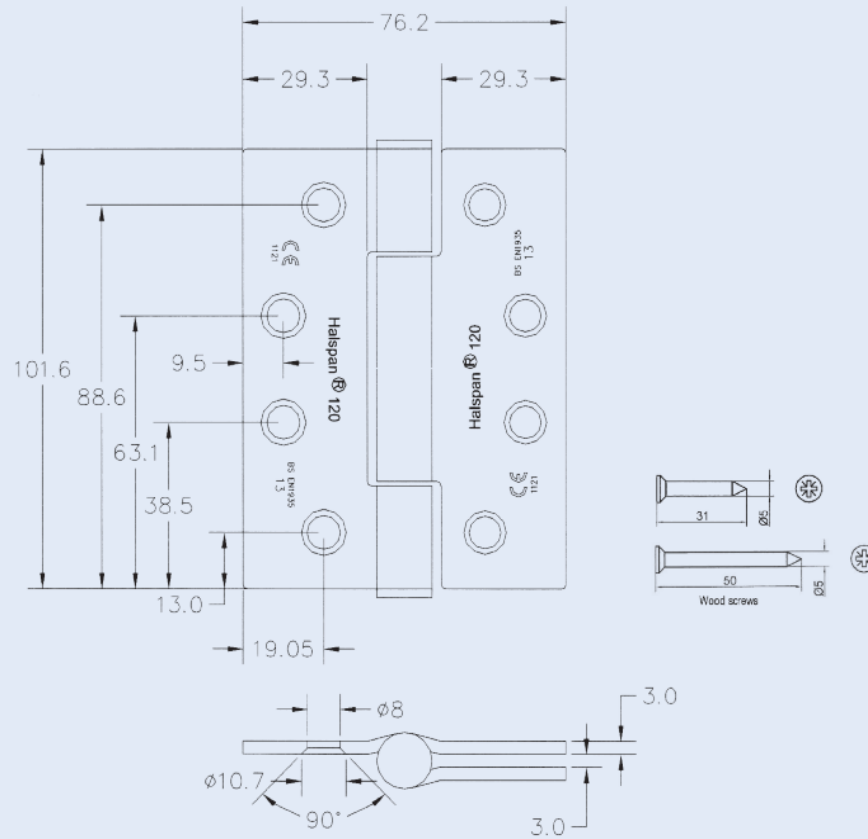
SPECIFICATION:

- 110 x 98 x 3.2mm lift-off hinge
- Grade 304 Stainless Steel
- Maintenance free, guaranteed for 25 years
- Appropriate for use with backcheck door closers
- Maximum adjusted door weight 120kg
- Unit weight 0.34kg
- CE Certificate No 1121-CPD-AC0010 (SS)
- CE Certificate No 1121-CPD-AC0022 (MS)
- Fire tested BS476:pt 22:1987
- BS EN 1935:2002 - Class 13
- When fitted with approved hinge pads

Supplied as EBP Finish (BSS, BZP & SBS also available)



HALSPAN® 120 Hinge including Intumescent Protection BOM-HIN-300



SPECIFICATION:

- 101.6x76.2x3mm Triple knuckle butt hinge
- Grade 304 Stainless Steel
- Maintenance free, guaranteed for 25 years
- Appropriate for use with backcheck door closers
- Maximum adjusted door weight 120kg
- Unit weight 0.26kg
- CE Certificate No 1121-CPD-AC0007(ss)
- CE Certificate No 1121-CPD-AC0008(ms)
- Fire tested BS476:pt 22:1987
- BS EN 1935:2002 - Class 3
- When fitted with approved hinge pads



The Functions of Locks

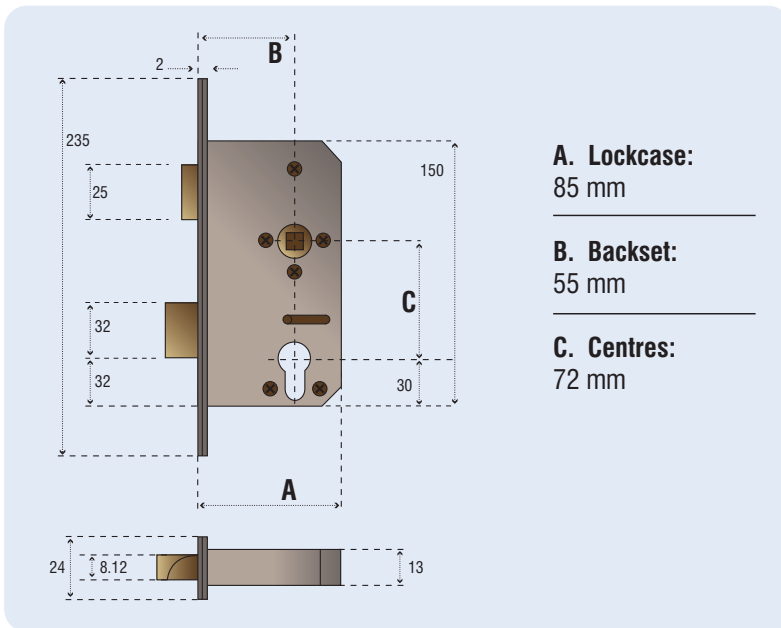
The overall function of a lock is to retain the door leaf in closed mode in the door frame.

There are 3 modes of operation:

- Latch feature – The door is retained in the closed mode by a retractable “latch tongue” operated by a lever handle.
- Latch/lock feature – As above with the addition of a lockable bolt operated by a key or manual turn operation.
- Deadbolt feature – As above with the omission of the latching function.



R30 Lock Case including Intumescent Protection BOM-LCK-106



OPERATION:

Latchbolt operated by lever handle from either side.

Deadbolt operated by key from either side using a double cylinder or by key outside and thumbturn inside using a single cylinder with turn.

SPECIFICATION:

CASE: Pierced to accept 20mm and 38mm centre bolt through fixing escutcheons and 38mm centre horizontally and diagonally opposed bolt through fixing furniture.

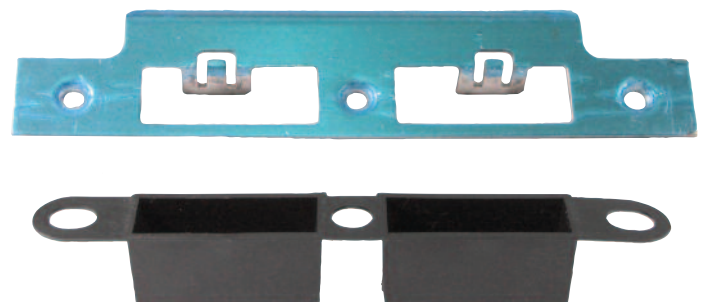
LATCHBOLT: Brass, reversible. Projection 12mm.

DEADBOLT: Brass, with two hardened steel rollers. Throw 14mm.

FOLLOWER: Brass, to suit 8mm square spindle. One-way action. Sprung to suit unsprung lever handle furniture.

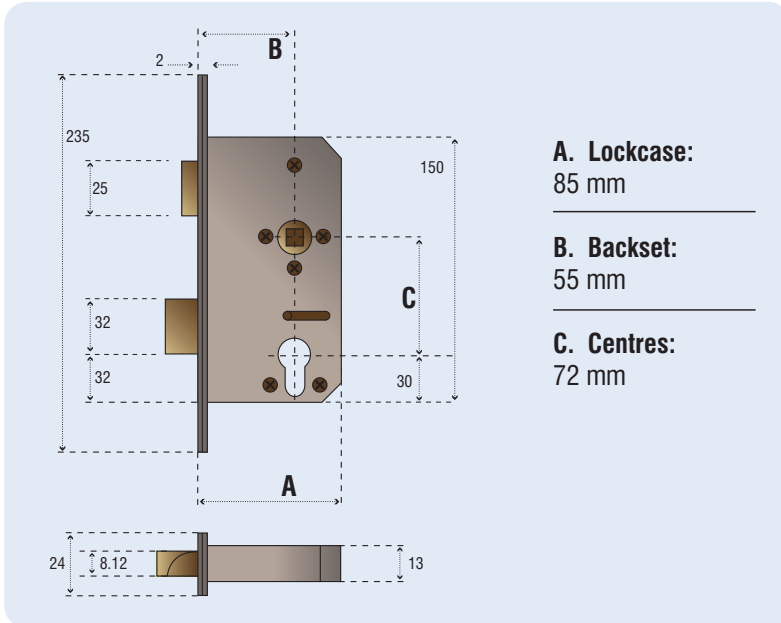
INTUMESCENT: Unique Formulation for the application.

FIRE TESTING: Halspan R30 lock cases have been comprehensively tested to the following standards:
EN 1634-1:2008 & BS476:Part 22:1987.



2mm intumescent protection to be fitted either side of the lock body, onto the lock spine and under the lock forend and strike plates.

R60 Lock Case including Intumescent Protection BOM-LCK-104



OPERATION:

Latchbolt operated by lever handle from either side.

Deadbolt operated by key from either side using a double cylinder or by key outside and thumbturn inside using a single cylinder with turn.

SPECIFICATION:

CASE: Pierced to accept 20mm and 38mm centre bolt through fixing escutcheons and 38mm centre horizontally and diagonally opposed bolt through fixing furniture.

LATCHBOLT: Brass, reversible. Projection 12mm.

DEADBOLT: Brass, with two hardened steel rollers. Throw 14mm.

FOLLOWER: Brass, to suit 8mm square spindle. One-way action. Sprung to suit unsprung lever handle furniture.

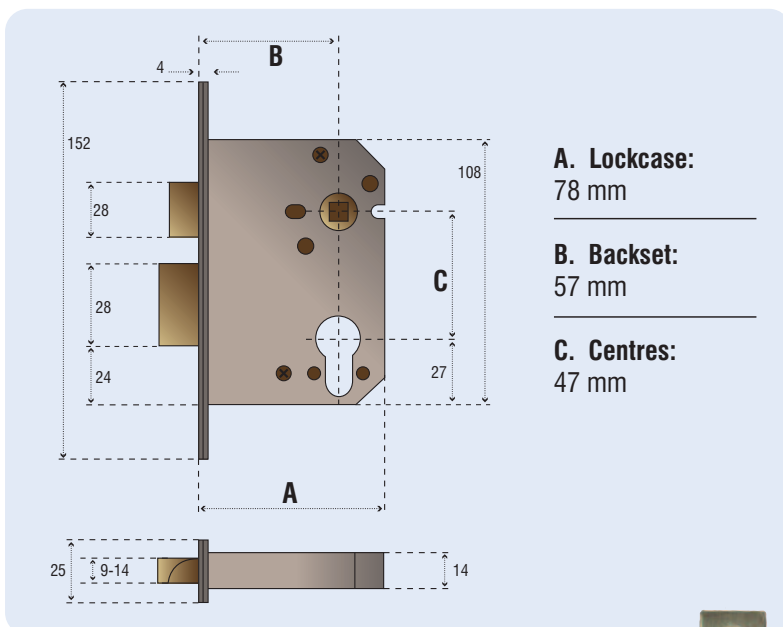
INTUMESCENT: Unique Formulation for the application.

FIRE TESTING: Halspan R30 lock cases have been comprehensively tested to the following standards:
EN 1634-1:2008 & BS476:Part 22:1987.



2mm intumescent protection to be fitted either side of the lock body, onto the lock spine and under the lock forend and strike plates.

R90 Lock Case including Intumescent Protection BOM-LCK-102



OPERATION:

Latchbolt operated by lever handle from either side.

Deadbolt operated by key from either side using a double cylinder or by key outside and thumbturn inside using a single cylinder with turn.

SPECIFICATION:

CASE: Pierced to accept 30mm and 38mm centre bolt through fixing escutcheons and 38mm centre horizontally and diagonally opposed bolt through fixing furniture.

STRIKER PLATE: Extended length strike for 90 minute door & frame supplied as standard.

LATCHBOLT: Brass, reversible. Projection 11mm.

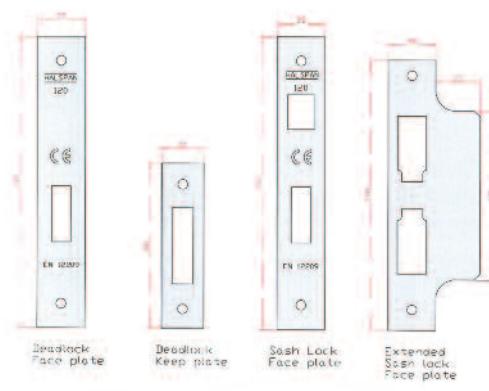
DEADBOLT: Brass, with two hardened steel rollers. Throw 14mm.

FOLLOWER: Brass, to suit 8mm square spindle. One-way action. Sprung to suit unsprung lever handle furniture.

INTUMESCENT: Unique Formulation for the application.

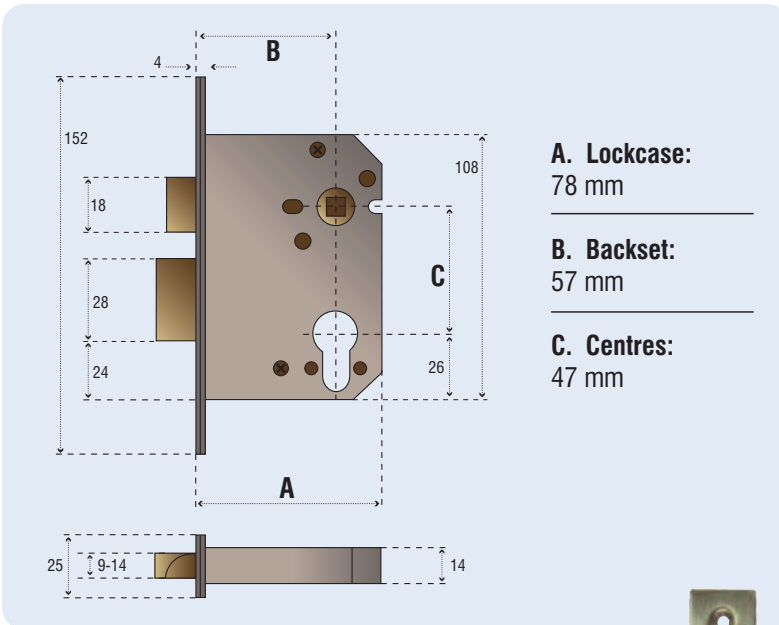
FIRE TESTING.

Halspan R90 lock cases have been comprehensively tested to the following standard: BS476: Part 22:1987 and EN 1634-1:2008



2mm intumescent protection to be fitted either side of the lock body, onto the lock spine and under the lock forend and strike plates.

R120 Lock Case including Intumescent Protection BOM-LCK-103



OPERATION:

Latchbolt operated by lever handle from either side.

Deadbolt operated by key from either side using a double cylinder or by key outside and thumbturn inside using a single cylinder with turn.

SPECIFICATION:

CASE: Pierced to accept 30mm and 38mm centre bolt through fixing escutcheons and 38mm centre horizontally and diagonally opposed bolt through fixing furniture.

STRIKER PLATE: Extended length strike for 120 minute door & frame supplied as standard

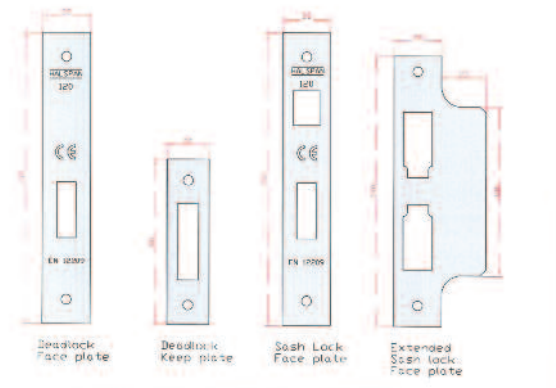
LATCHBOLT: Brass, reversible. Projection 11mm.

DEADBOLT: Brass, with two hardened steel rollers. Throw 14mm.

FOLLOWER: Brass, to suit 8mm square spindle. One-way action. Sprung to suit unsprung lever handle furniture.

INTUMESCENT: Unique Formulation for the application.

FIRE TESTING: Halspan R120 lock cases have been comprehensively tested to the following standard: BS476: Part 22:1987.



2mm intumescent protection to be fitted either side of the lock body, onto the lock spine and under the lock forend and strike plates.

R9000 Series Power Door Closer R30

CLR-BSS-100

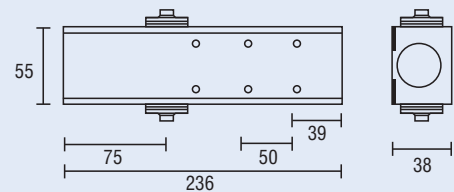


Specification

Type	Overhead door closer
Size	Power adjustable by spring EN2-5
Mechanism	Rack and pinion
Closing speed	Yes-adjustable
Latch action	Yes-adjustable
Delayed action	Yes-adjustable
Back check	Yes-adjustable
Max. door width	1250mm
Max. door weight	110kg
Opening angle	180°
DOA BS 8300	Minimum door width 830mm in parallel arm (DDATest Report No. 155717}
Application	LH and RH doors - universal application Fig.1 and Fig.66

Description

A heavy duty, but slimline power adjustable overhead door closer, which is suitable for schools, public buildings, offices, hotels and hospitals.



All dimensions are in mm.
Cover not shown.

Performance

BS EN 1154 : 1996 classification

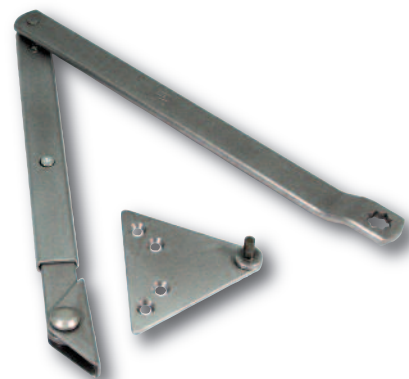
Independently tested to conform with the standard. Halspan door closers are CE marked, helping doorsets meet the requirement of Approved Document M and BS 8300 recommendations. They are classified as follows:

4	8	5	1	1	3
		2			

Fire testing

Halspan Power Door Closers have been comprehensively tested to the following standards:

EN 1634:Part 1:2008, & BS476:Part 22:1987



R9000 Series Door Closer R60

CLR-BSS-101

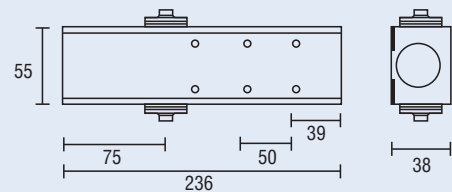


Specification

Type	Overhead door closer
Size	Power adjustable by spring EN2-5
Mechanism	Rack and pinion
Closing speed	Yes-adjustable
Latch action	Yes-adjustable
Delayed action	Yes-adjustable
Back check	Yes-adjustable
Max. door width	1250mm
Max. door weight	110kg
Opening angle	180°
DOA BS 8300	Minimum door width 830mm in parallel arm (DDATest Report No. 155717}
Application	LH and RH doors - universal application Fig.1 and Fig.66

Description

A heavy duty, but slimline power adjustable overhead door closer, which is suitable for schools, public buildings, offices, hotels and hospitals.



All dimensions are in mm.
Cover not shown.

Performance

BS EN 1154 : 1996 classification

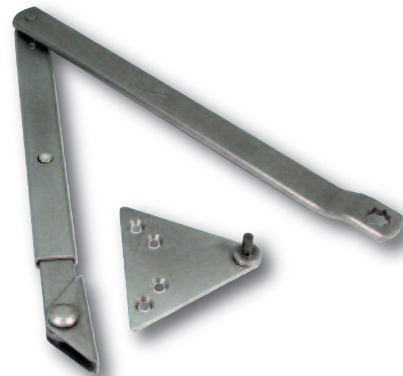
Independently tested to conform with the standard. Halspan door closers are CE marked, helping doorsets meet the requirement of Approved Document M and BS 8300 recommendations. They are classified as follows:

4	8	5 2	1	1	3
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Fire testing

Halspan Power Door Closers have been comprehensively tested to the following standards:

EN 1634:Part 1:2008, & BS476:Part 22:1987



R9000 Series Door Closer R90

CLR-BSS-102

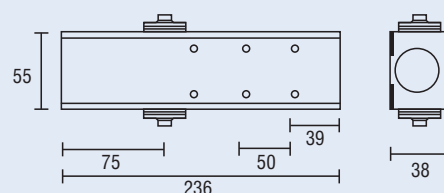


Specification

Type	Overhead door closer
Size	Power adjustable by spring EN2-5
Mechanism	Rack and pinion
Closing speed	Yes-adjustable
Latch action	Yes-adjustable
Delayed action	Yes-adjustable
Back check	Yes-adjustable
Max. door width	1250mm
Max. door weight	110kg
Opening angle	180°
DOA BS 8300	Minimum door width 830mm in parallel arm (DDATest Report No. 155717}
Application	LH and RH doors - universal application Fig.1 and Fig.66

Description

A heavy duty, but slimline power adjustable overhead door closer, which is suitable for schools, public buildings, offices, hotels and hospitals.



All dimensions are in mm.
Cover not shown.

Performance

BS EN 1154 : 1996 classification

Independently tested to conform with the standard. Halspan door closers are CE marked, helping doorsets meet the requirement of Approved Document M and BS 8300 recommendations. They are classified as follows:

4	8	5	1	1	3
		2			

Fire testing

Halspan Power Door Closers have been comprehensively tested to the following standards:

EN 1634:Part 1:2008, & BS476:Part 22:1987



R9000 Series Door Closer R120 CLR-BSS-103

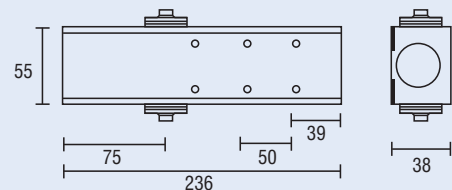


Specification

Type	Overhead door closer
Size	Power adjustable by spring EN2-5
Mechanism	Rack and pinion
Closing speed	Yes-adjustable
Latch action	Yes-adjustable
Delayed action	Yes-adjustable
Back check	Yes-adjustable
Max. door width	1250mm
Max. door weight	110kg
Opening angle	180°
DOA BS 8300	Minimum door width 830mm in parallel arm (DDATest Report No. 155717}
Application	LH and RH doors - universal application Fig.1 and Fig.66

Description

A heavy duty, but slimline power adjustable overhead door closer, which is suitable for schools, public buildings, offices, hotels and hospitals.



All dimensions are in mm.
Cover not shown.

Performance

BS EN 1154 : 1996 classification

Independently tested to conform with the standard. Halspan door closers are CE marked, helping doorsets meet the requirement of Approved Document M and BS 8300 recommendations. They are classified as follows:

4	8	5 2	1	1	3
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Fire testing

Halspan Power Door Closers have been comprehensively tested to the following standards:

EN 1634:Part 1:2008, & BS476:Part 22:1987



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R30/R60/R90 Eco-closer

R30: CLR-AGN-100 R60: CLR-AGN-101

R90: CLR-AGN-102



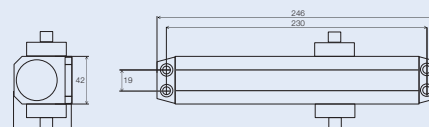
Specification

Type	Overhead door closer
Size	Power size EN2-4 by spring
Mechanism	Rack and pinion
Closing speed	Yes-adjustable
Latch action	Yes-adjustable
Back check	Yes-adjustable
Delayed action	Yes-adjustable
Max. door width	1100mm
Max. door weight	85kg
Opening angle	180°
Application	LH and RH doors - universal application Fig.1 and Fig.66

Parallel arm bracket also included

Description

A heavy duty, multi-purpose overhead door closer for most applications.



All dimensions are in mm.

Options

- ✓ Full range of cover finishes
- ✓ Full range of flatbar armset finishes

Performance

BS EN 1154 : 1996 classification?

Independently tested to conform with the standard. Halspan door closers are CE marked, helping doorsets meet the requirement of Approved Document M and BS 8300 recommendations. They are classified as follows:

3	8	4	1	1	2
		2			

Fire testing

Halspan Power Door Closers have been comprehensively tested to the following standards:

EN 1634:Part 1:2008, & BS476:Part 22:1987

Guarantee

10 year guarantee



