



DOOR HARDWARE



Concentration, Innovation, Passion, Perfection



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FIRE RESISTANCE
EN1634-1: Fire resistance test for door and shutter assemblies and openable windows
EN1634-2: Fire resistance test for door and shutter and openable window assemblies and elements of building hardware



EN 12209
Building hardware — Mechanically operated locks and locking plates — Requirements and test methods



EN 179
Building hardware — Emergency exit devices operated by a lever handle or push pad, for use on escape routes — Requirements and test methods



EN 1125
Building hardware — Panic exit devices operated by a horizontal bar, for use on escape routes — Requirements and test methods



EN 1154
Building hardware — Controlled door closing devices — Requirements and test methods



EN 1906
Building hardware — Lever handles and knob furniture - Requirements and test methods



EN 1303
Building hardware - Cylinders for locks - Requirements and test methods



EN 1935
Building hardware - Single-axis hinges - Requirements andtest methods



DIN 18251
Locks - Mortise locks - multipoint locks-Terms, definitions and dimensions



DIN 18252
Profile cylinders for door locks — Terminology, dimensions, requirements, test methods and marking



DIN 18255 (Spindle: 8*8mm)
Building hardware — Door lever handles, backplates and escutcheons — Definitions, dimensions, requirements and marking



DIN 18273 (Spindle: 9*9mm)
Building hardware — Lever handle units for fire doors and smoke control doors — Terms and definitions, dimensions, requirements, testing and marking



DIN 18257 (Spindle: 10mm)
Building hardware — Security plates — Definitions, measurements, requirements and marking



BS 7352:1990
Strength and durability performance of metal hinges

Stainless steel chemical requirements

USA ASTM A 959 Type	EUR EN 10088-1 Type	CN GB/T20878 Type	C (%)	Si (%)	Mn (%)	P (%)	S (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	N (%)
303	1.4305	S30317	0.15	1	2	0.20	≥0.15	8-10	17-19	0.6	—	—
304	1.4301	S 30408	0.08	1	2	0.045	0.03	8-11	18-20	—	—	—
304L	1.4306	S 30403	0.03	1	2	0.045	0.03	8-12	18-20	—	—	—
316	1.4401	S 31608	0.08	1	2	0.045	0.03	10-14	16-18	2-3	—	—
316L	1.4404	S 31603	0.03	1	2	0.045	0.03	10-14	16-18	2-3	—	—
—	—	S35101	0.15	0.75	8-10	0.06	0.03	1-3	13.5-15.5	—	0.5-1	0.1-0.25

FIRE RESISTANCE



Standards and Certification

EN 12209:2003-Mechanically operated locks and locking plates

Category of use (1)

Grade 1: for use by people with a high incentive to exercise care and with a small chance of misuse.
Grade 2: for use by people with some incentive to exercise care but where there is some chance of misuse.
Grade 3: for use by the public where there is little incentive to exercise care and where there is a high chance of misuse.

Durability (2)

Grade A: 50 000 test cycles; no load on latch bolt;
Grade B: 100 000 test cycles; no load on latch bolt;
Grade C: 200 000 test cycles; no force on latch bolt;
Grade L: 100 000 test cycles; 25 N force on latch bolt;
Grade M: 200 000 test cycles; 25 N force on latch bolt;
Grade R: 100 000 test cycles; 50 N force on latch bolt;
Grade S: 200 000 test cycles; 50 N force on latch bolt;
Grade W: 100 000 test cycles; 120 N force on latch bolt;
Grade X: 200 000 test cycles; 120 N force on latch bolt;

Door mass and closing force (3)

Grade 0: Locks without a latch bolt
Grade 1: up to 100 kg door mass; 50 N maximum closing force;
Grade 2: up to 200 kg door mass; 50 N maximum closing force;
Grade 3: above 200 kg door mass as specified by the manufacturer; 50 N maximum closing force;
Grade 4: up to 100 kg door mass; 25 N maximum closing force;
Grade 5: up to 200 kg door mass; 25 N maximum closing force;
Grade 6: above 200 kg door mass as specified by the manufacturer; 25 N maximum closing force;
Grade 7: up to 100 kg door mass; 15 N maximum closing force;
Grade 8: up to 200 kg door mass; 15 N maximum closing force;
Grade 9: above 200 kg door mass as specified by the manufacturer; 15 N maximum closing force

Suitability for use on fire resisting and/or smoke control doorset (4)

Grade 0: not approved for use on fire/smoke resisting door assemblies;
Grade 1: suitable for use on fire/smoke resisting door assemblies.

Corrosion resistance and temperature (6)

Grade 0: no defined corrosion resistance; no temperature requirement;
Grade A: low corrosion resistance (24 h); no temperature requirement;
Grade C: high corrosion resistance (96 h); no temperature requirement;
Grade D: very high corrosion resistance (240 h); no temperature requirement;
Grade F: high corrosion resistance (96 h); temperature requirement: from -10 °C to +60 °C;
Grade G: very high corrosion resistance (240 h); temperature requirement: from -10 °C to +60 °C.

Type of key operation and locking (9)

Grade 0: Not applicable ;
Grade A: cylinder lock or latch ;manually locking;
Grade B: cylinder lock or latch;automatically locking;
Grade C: cylinder lock or latch; manually locking with intermediate locking;
Grade D: lever lock or latch;manually locking;
Grade E: lever lock or latch;automatically locking;
Grade F: lever lock or latch;manually locking with intermediate locking;
Grade G: lock or latch without key operation;manually locking;
Grade H: lock without key operation;automatically locking.

Type of spindle operation (10)

Grade 0: lock or latch without follower ;
Grade 1: lock or latch for knob or sprung lever handle operation;
Grade 2: lock or latch for unsprung lever handle operation;
Grade 3: lock or latch for heavy duty unsprung lever handle operation;
Grade 4: lock or latch for heavy duty unsprung lever handle operation specified by the manufacturer.

Key identification requirement (11)

Grade 0: No requirements;
Grade A: Minimum three detaining elements;
Grade B: Minimum five detaining elements;
Grade C: Minimum five detaining elements, extended number of effective differs;
Grade D: Minimum six detaining elements;
Grade E: Minimum six detaining elements, extended number of effective differs;

3	X	9	1	0	G	3/2/-	B	B/C/0	0/2	0
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Security and drill resistance (7)

Grade 1: Minimum security and no drill resistance;
Grade 2: Low security and no drill resistance;
Grade 3: Medium security and no drill resistance;
Grade 4: High security and no drill resistance;
Grade 5: High security with drill resistance;
Grade 6: Very high security and no drill resistance;
Grade 7: Very high security with drill resistance.

Safety (5)

Grade 0: no safety requirement

Field of door application (8)

Grade	Type	Door	Forend Supported
B	Mortice	Hinged	No
H	Mortice	Hinged	Yes

CE Certificate (Mortise Lock)
Standard: EN 12209:2003-Mechanically operated locks and locking plates



CERTIFICATE OF CONSTANCY
OF PERFORMANCE

0905-CPR-000347-04

In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product(s)

Product(s): Building hardware - Locks and latches - Mechanically operated locks, latches and locking plates
(refer to attached appendix for details and conditions)
Placed on the market under the name or trade mark of: Hebei Jianhua Lock Industry Co., Ltd.
and produced in the manufacturing plant(s): Houniutun Village, Simencun Town, Botou City, Hebei Province, China
Intended use: Houniutun Village, Simencun Town, Botou City, Hebei Province, China

When used with an appropriate door closing device on fire and/or smoke control doors to fulfil the self-closing requirement of such doors, and thereafter to ensure that the door remains shut.
This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard(s):

EN 12209:2003+AC:2005
Under System 1 for the performances set out in this certificate are applied and that the performance of the construction product fulfils all the prescribed requirements for these performances
This certificate replaces 0905-CPR-000347-03 and was first issued under 0359-CPR-00347-05 on 2014-12-18 and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performances of the declared essential characteristics, do not change, and the construction product, and the manufacturing conditions in the plant are not modified significantly, unless suspended or withdrawn by the product certification body

The issued document and statement(s) herein makes reference only to a presumption of conformity in accordance with the CPR Regulations EU 305/2011 (as amended). However, it is the manufacturer's or their authorised representative's sole responsibility to affix the CE logo and, by doing so, confirms full compliance and conformity to all other European mandatory directives and regulations that may also apply.



Signature: [Signature] Date: 2023-11-03
Name: Dipl.-Ing. Roland Heine Issue: 04
Position: Certification Manager

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

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Tel.: +49 711 27311-0 E-Mail: nb0905@intertek.com Web: www.intertek.de/directory
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CE Certificate (Escape Mortise Lock)
Standard: EN 179:2008-Emergency exit devices operated by a lever handle, for use on escape routes



CERTIFICATE OF CONSTANCY
OF PERFORMANCE

0905-CPR-210801-02

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation), this certificate applies to the construction product(s).

Product(s): Building hardware – Emergency exit device(s) operated by lever handle
(refer to attached appendix for details and conditions)
Placed on the market under the name or trade mark of: Shandong Hanrui Hardware Co., Ltd.
and produced in the manufacturing plant(s): Bldg 10-116, No. 10 Jingshan Road, Zhifu District, Shandong Province, China
Intended use: Hebei Jianhua Lock Industry Co., Ltd.
Houniutun Village, Simencun Town, Botou City, Hebei Province, China
For doors on escape routes.

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard(s):

EN 179:2008
Under System 1 for the performances set out in this certificate are applied and that the performance of the construction product fulfils all the prescribed requirements for these performances.

This certificate replaces 0905-CPR-210801-01, first issued on 2021-06-02 and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performances of the declared essential characteristics, do not change, and the construction product, and the manufacturing conditions in the plant are not modified significantly, unless suspended or withdrawn by the product certification body.

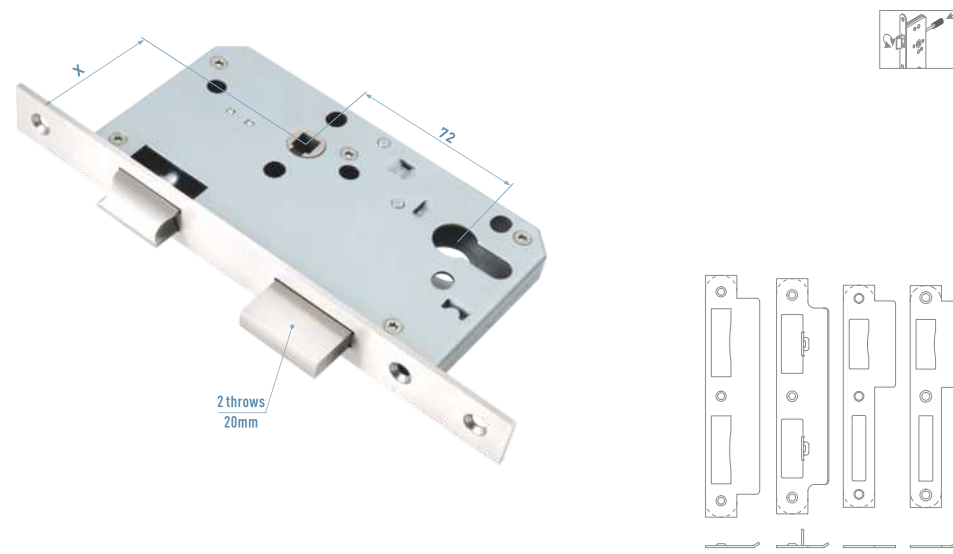
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Signature: [Signature] Date: 2023-11-06
Name: Dipl.-Ing. Roland Heine Issue: 02
Position: Certification Manager

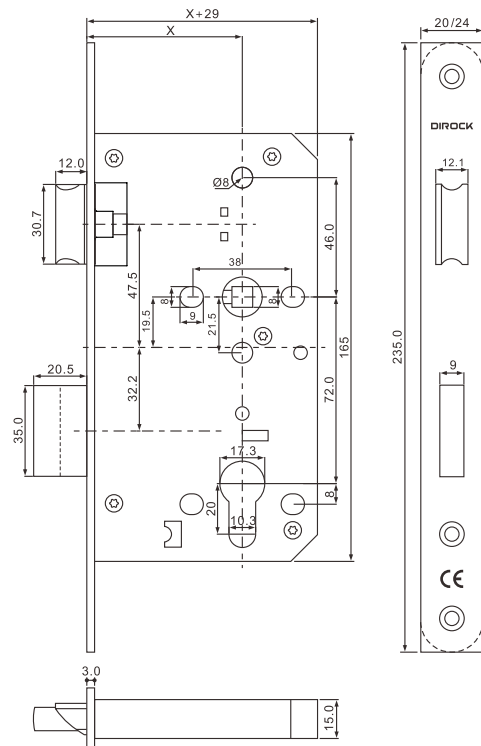
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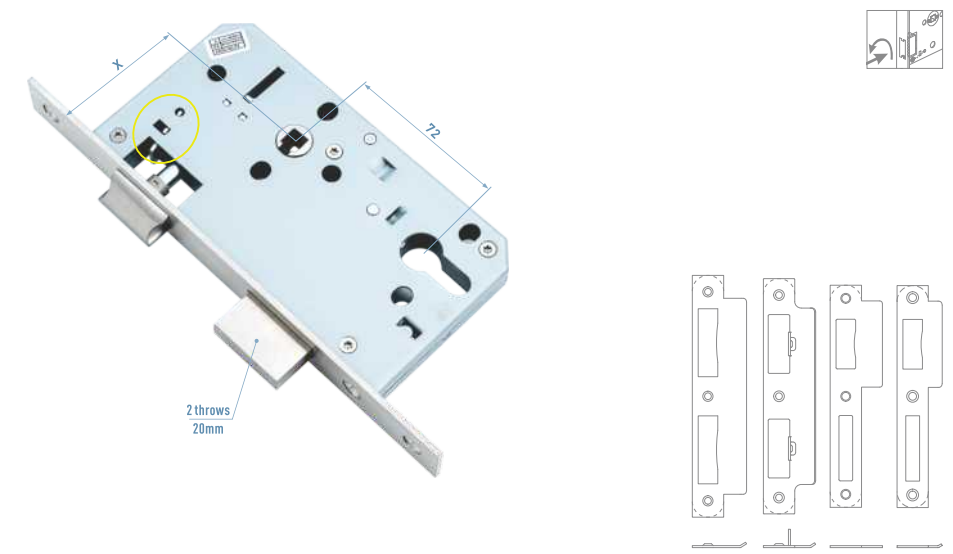


Mortise Lock: 72Z (Deadbolt: 2 throws, Projection:20mm)

- 4572Z: X=45mm
 5072Z: X=50mm
 *# 5572Z: X=55mm
 *# 6072Z: X=60mm
 # 6572Z: X=65mm
 # 7072Z: X=70mm
 # 8072Z: X=80mm

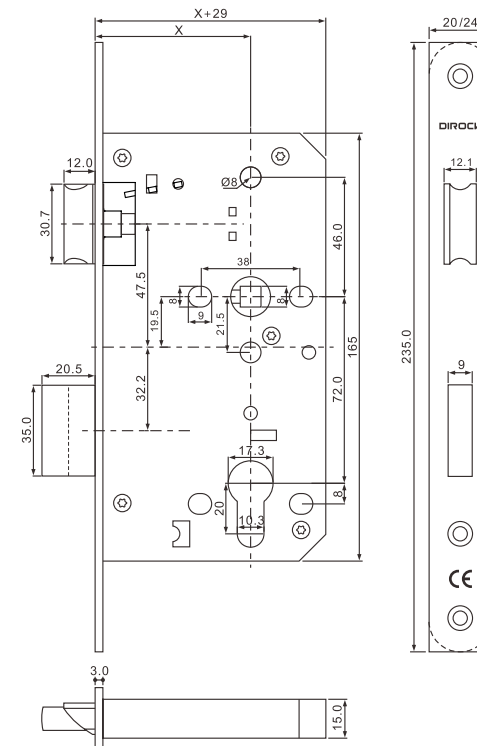


Size	
Backset	45 / 50 / 55 / 60 / 65 / 70 / 80mm
Center distance	72mm
Major Parts	
Forend	SS 304, Height: 235mm, Width: 20 / 24mm, Thickness: 3mm
Latch	SS 304
Deadbolt	SS 304, 2 throws, Projection:20mm
Follower	SS 304, Square hole: 8*8mm
Locking plate	SS 304, Thickness: 1.5mm
Case	SECC, Thickness: 1.5mm
Standard	
EN 12209, EN 1634-1, DIN 18251	
Certification	
CE (*Warrington)	3 X 8 1 0 G 3 H C 2 0
CE (*Intertek)	3 X 9 1 0 G 3 B C 2 0
Fire test (En1634-1)	Steel fire door: **240mins Timber fire door: *30 / *60 / **90 / *120mins

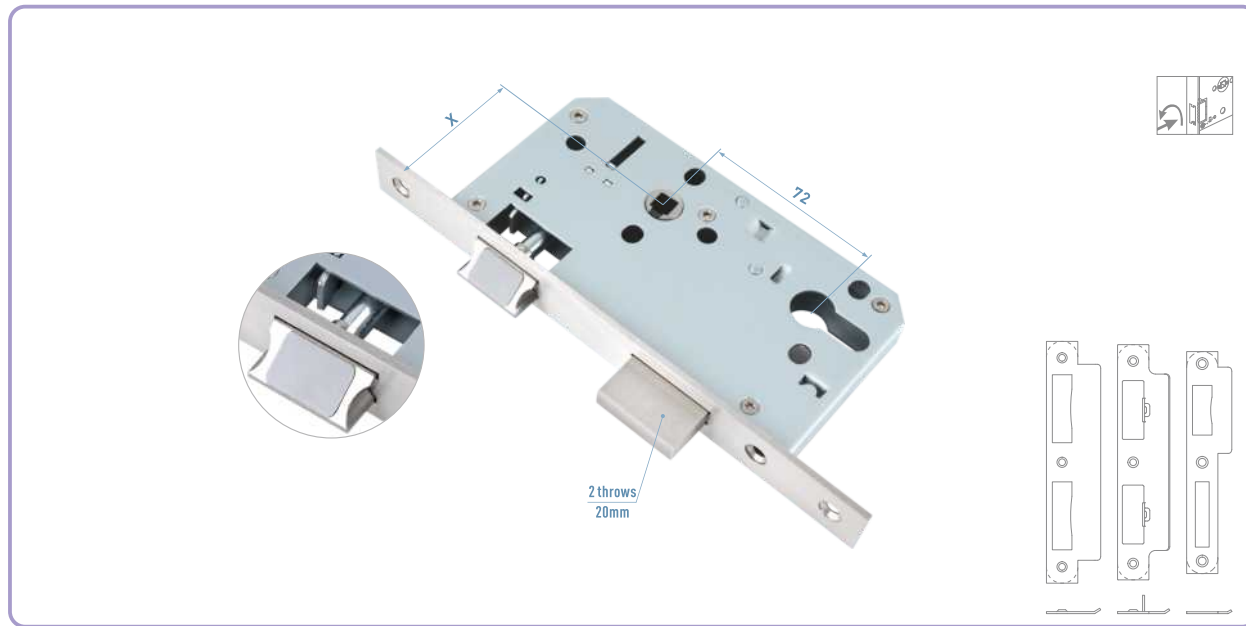


Mortise Lock: 72Z-A (Deadbolt: 2 throws, Projection:20mm)

- 5572Z-A: X=55mm
 6072Z-A: X=60mm

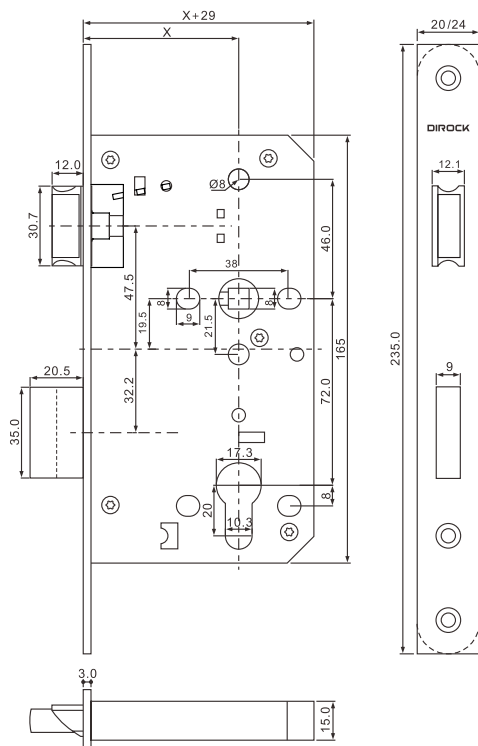


Size	
Backset	55 / 60mm
Center distance	72mm
Major Parts	
Forend	SS 304, Height: 235mm, Width: 20 / 24mm, Thickness: 3mm
Latch	SS 304
Deadbolt	SS 304, 2 throws, Projection:20mm
Follower	SS 304, Square hole: 8*8mm
Locking plate	SS 304, Thickness: 1.5mm
Case	SECC, Thickness: 1.5mm
Standard	
EN 12209, EN 1634-1, DIN 18251	
Certification	
CE (Warrington)	3 X 8 1 0 G 3 H C 2 0
Fire test (En1634-1)	Steel fire door: 240mins Timber fire door: 30 / 60 / 90 / 120mins

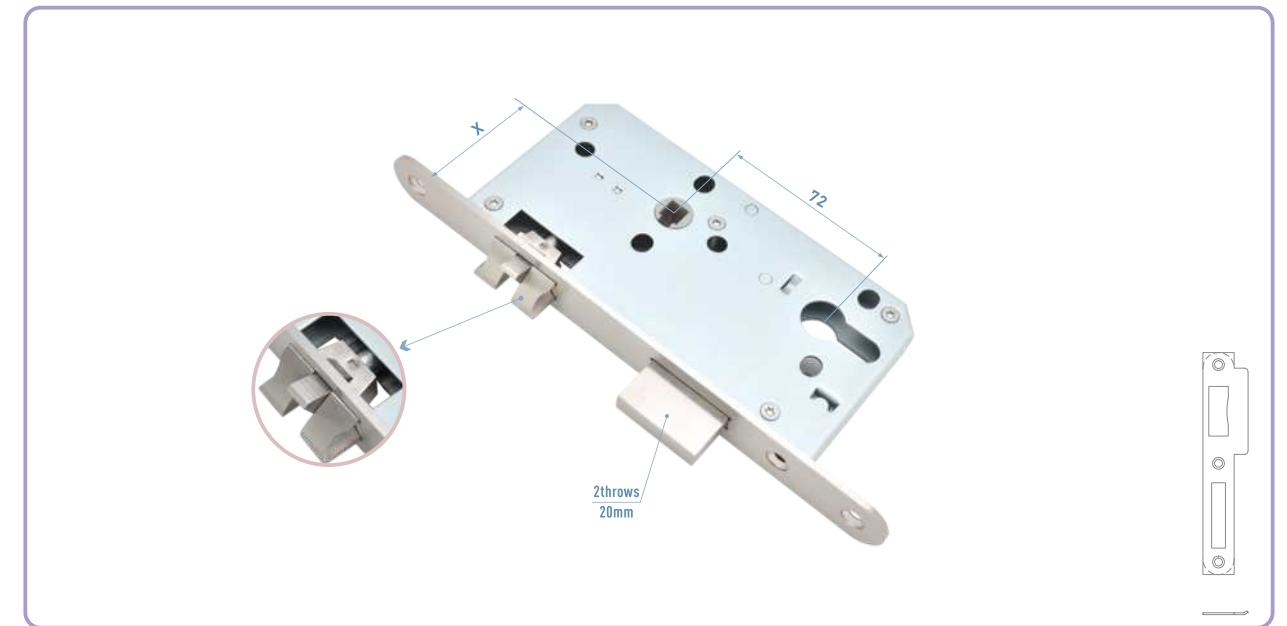


Mute Mortise Lock: 72Z-SA

5572Z-SA: X=55mm
6072Z-SA: X=60mm

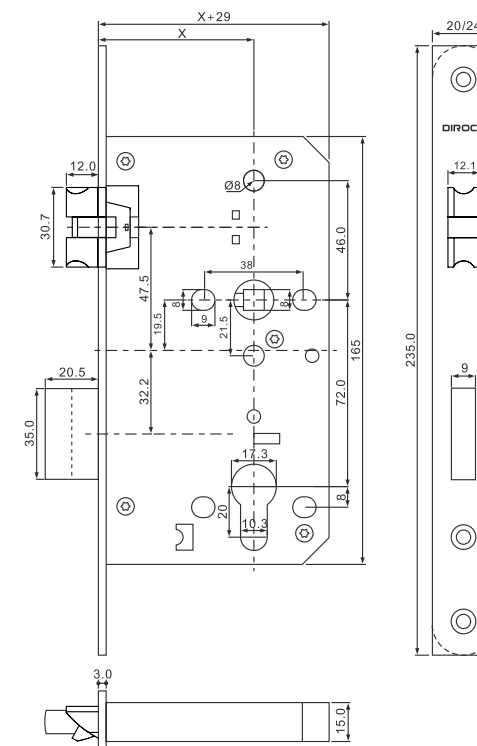


Size	
Backset	55 / 60mm
Center distance	72mm
Major Parts	
Forend	SS 304, Height: 235mm, Width: 20/ 24mm, Thickness: 3mm
Latch	SS 304+POM
Deadbolt	SS 304, 2 throws, Projection:20mm
Follower	SS 304, Square hole: 8*8mm
Locking plate	SS 304, Thickness: 1.5mm
Case	SECC, Thickness: 1.5mm
Standard	
EN 12209, DIN 18251	

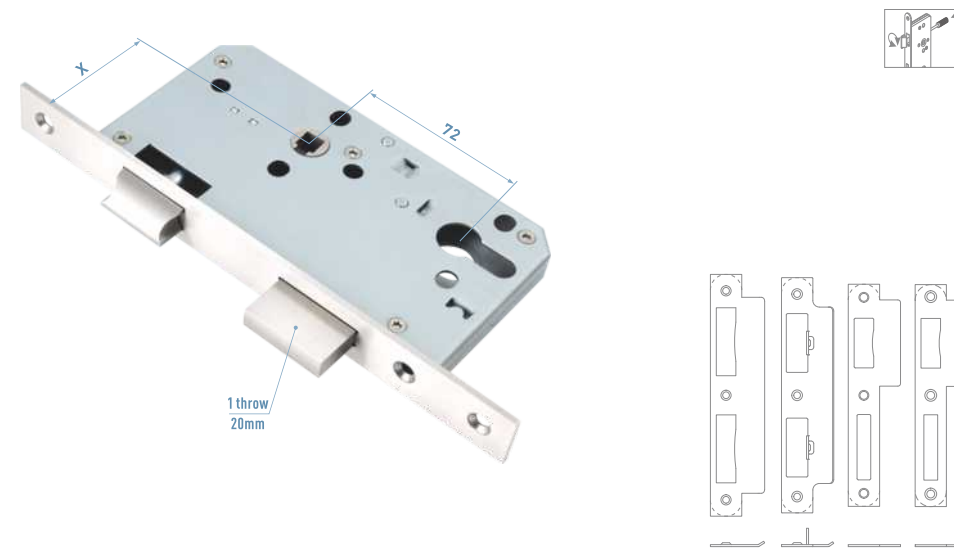


Mortise Lock: 72Z-X

5572Z-X: X=55mm
6072Z-X: X=60mm

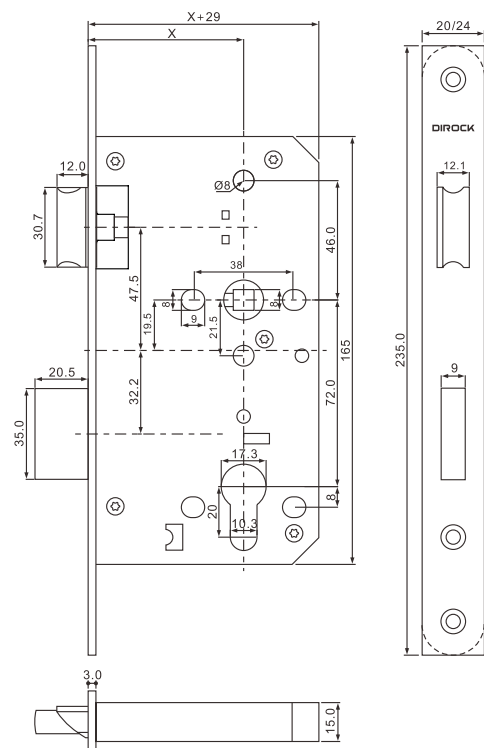


Size	
Backset	55 / 60mm
Center distance	72mm
Major Parts	
Forend	SS 304, Height: 235mm, Width: 20 / 24mm, Thickness: 3mm
Latch (L/R hand)	SS 304
Deadbolt	SS 304, 2 throws, Projection:20mm
Follower	SS 304, Square hole: 8*8mm
Locking plate(bent)	SS 304, Thickness: 1.5mm
Case	SECC, Thickness: 1.5mm
Standard	
EN 12209, DIN 18251	

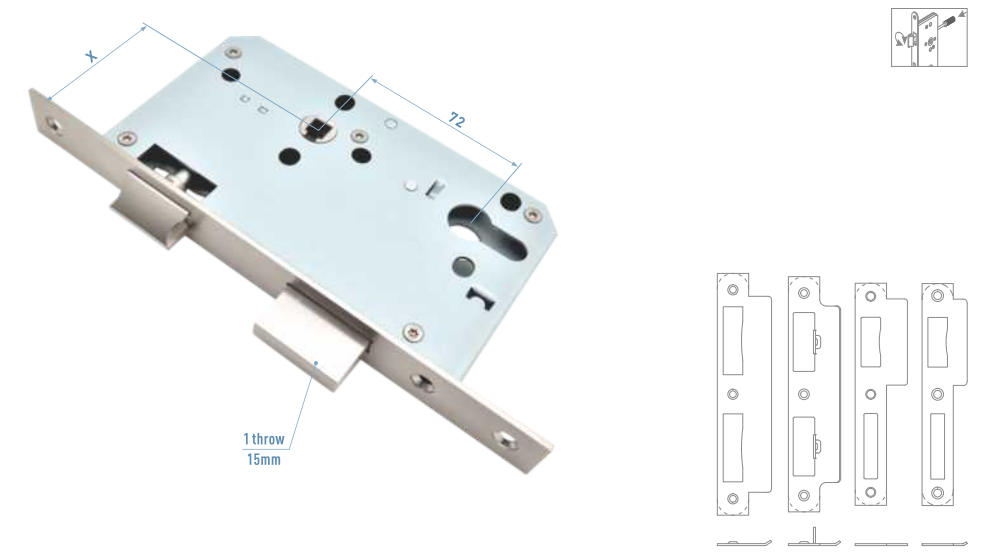


Mortise Lock: 72Z-E20 (Deadbolt: 1 throw, 20mm)

6072Z-E20: X=60mm

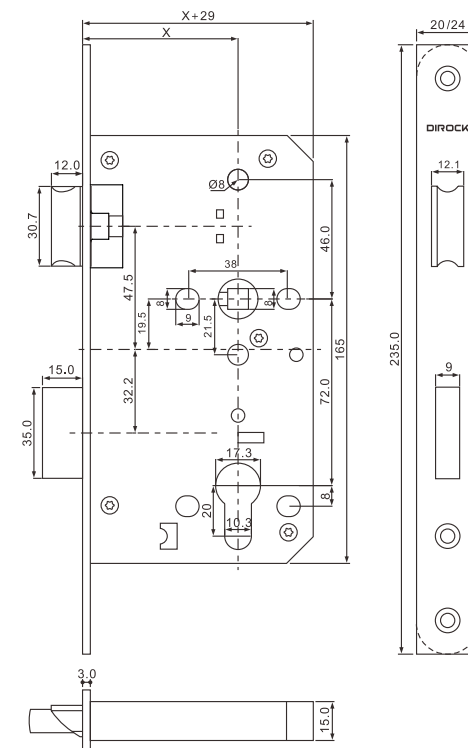


Size	
Backset	60mm
Center distance	72mm
Major Parts	
Forend	SS 304, Height: 235mm, Width: 20 / 24mm, Thickness: 3mm
Latch	SS 304
Deadbolt	1 throw, SS 304, Projection: 20mm
Follower	SS 304, Square hole: 8*8mm
Locking plate	SS 304, Thickness: 1.5mm
Case	SECC, Thickness: 1.5mm
Standard	
En12209, Din18251	

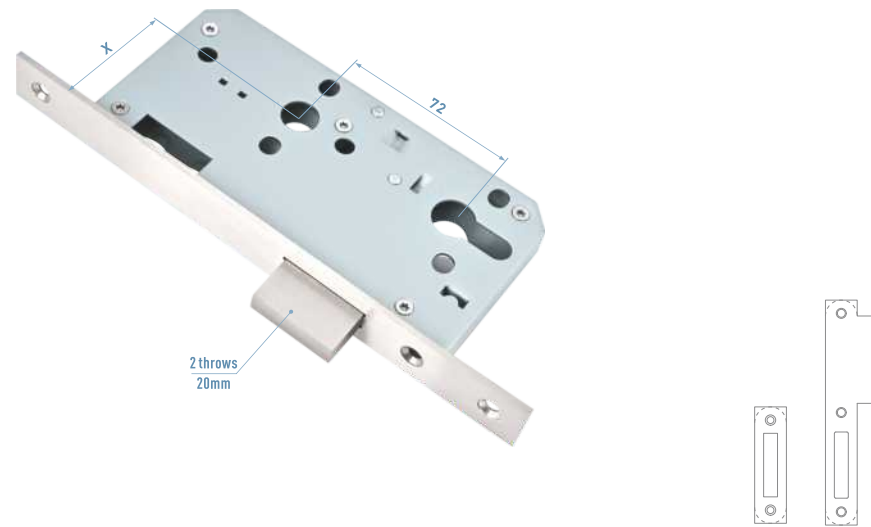


Mortise Lock: 72Z-15 (Deadbolt: 1 throw, 15mm)

6072Z-15: X=60mm

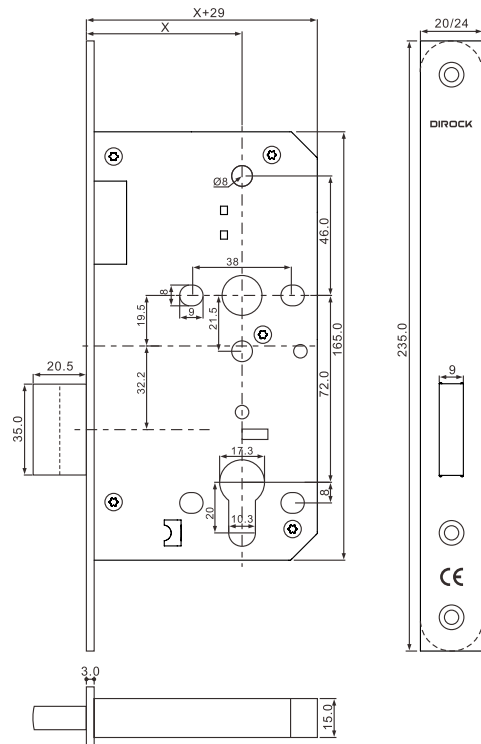


Size	
Backset	60mm
Center distance	72mm
Major Parts	
Forend	SS 304, Height: 235mm, Width: 20 / 24mm, Thickness: 3mm
Latch	SS 304
Deadbolt	SS 304, 1 throw, Projection: 15mm
Follower	SS 304, Square hole: 8*8mm
Locking plate	SS 304, Thickness: 1.5mm
Case	SECC, Thickness: 1.5mm
Standard	
EN 12209, DIN 18251	



Deadbolt Mortise Lock: 72ZD (Deadbolt: 2 throws, 20mm)

- *# 5572ZD: X=55mm
- *# 6072ZD: X=60mm
- # 6572ZD: X=65mm

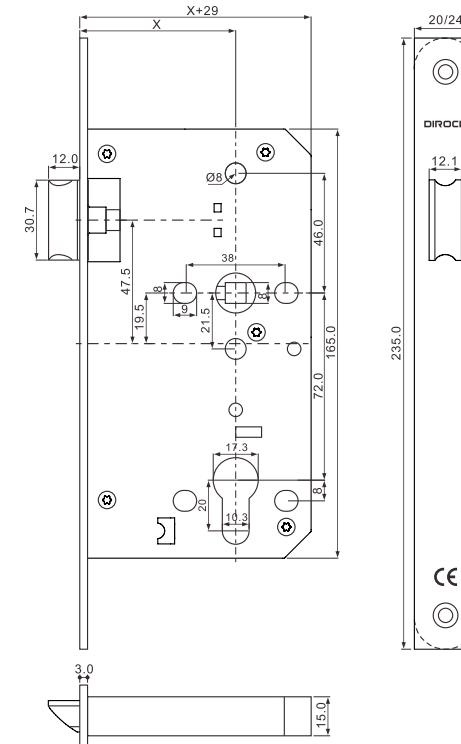


Size	
Backset	55 / 60 / 65mm
Center distance	72mm
Major Parts	
Forend	SS 304, Height: 235mm, Width: 20 / 24mm, Thickness: 3mm
Deadbolt	SS 304, 2 throws, Projection: 20mm
Locking plate	SS 304, Thickness: 1.5mm
Case	SECC, Thickness: 1.5mm
Standard	
EN 12209, EN 1634-1, DIN 18251	
Certification	
CE (*Warrington)	3 X 8 1 0 G 3 H C 0 0
CE (*Intertek)	3 X 9 1 0 G 3 B C 0 0
Fire test (En1634-1)	Steel fire door: **240mins Timber fire door: *30 / *60 / **90 / *120mins

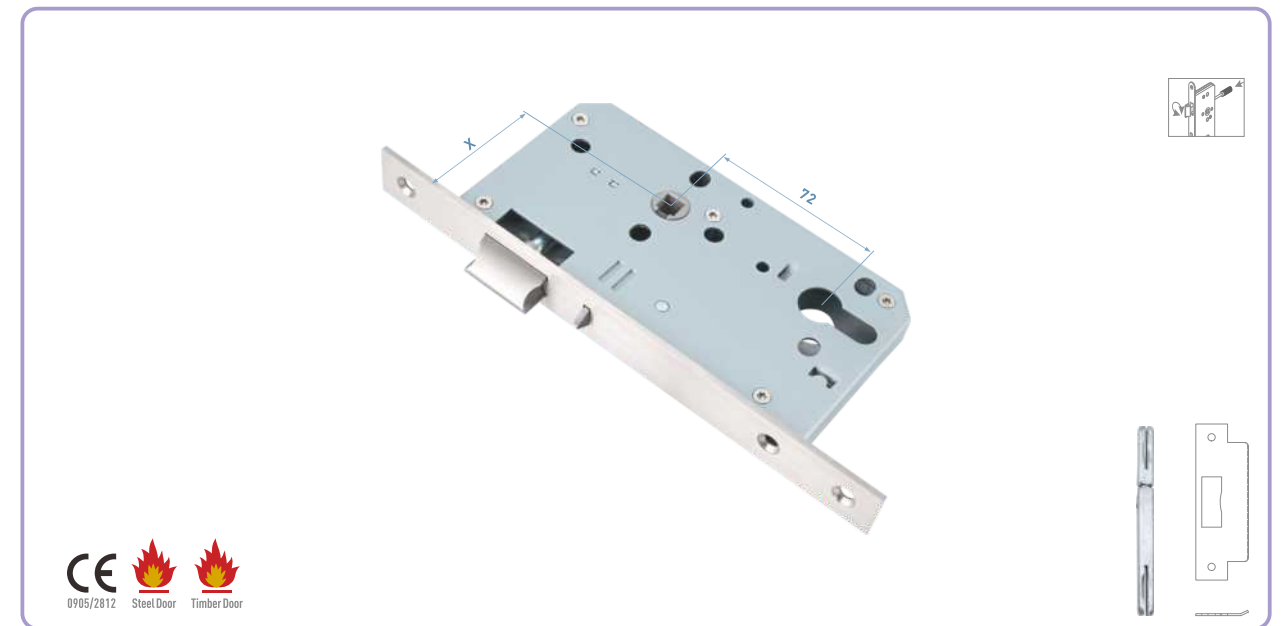


Passage Mortise Lock: 72ZL

- *# 5572ZL: X=55mm
- *# 6072ZL: X=60mm
- # 6572ZL: X=65mm

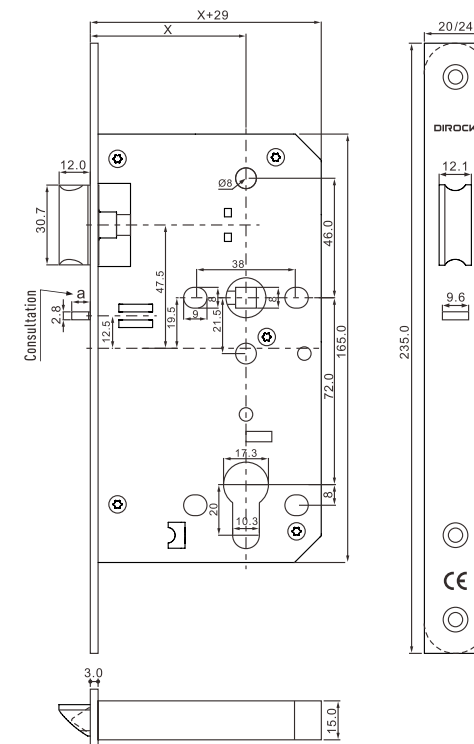


Size	
Backset	55 / 60 / 65mm
Center distance	72mm
Major Parts	
Forend	SS 304, Height: 235mm, Width: 20 / 24mm, Thickness: 3mm
Latch	SS 304
Follower	SS 304, Square hole: 8*8mm
Locking plate	SS 304, Thickness: 1.5mm
Case	SECC, Thickness: 1.5mm
Standard	
EN 12209, EN 1634-1, DIN 18251	
Certification	
CE (*Warrington)	3 X 8 1 0 G - H 0 2 0
CE (*Intertek)	3 X 9 1 0 G - B 0 2 0
Fire test (En1634-1)	Steel fire door: **240mins Timber fire door: *30 / *60 / **90 / *120mins

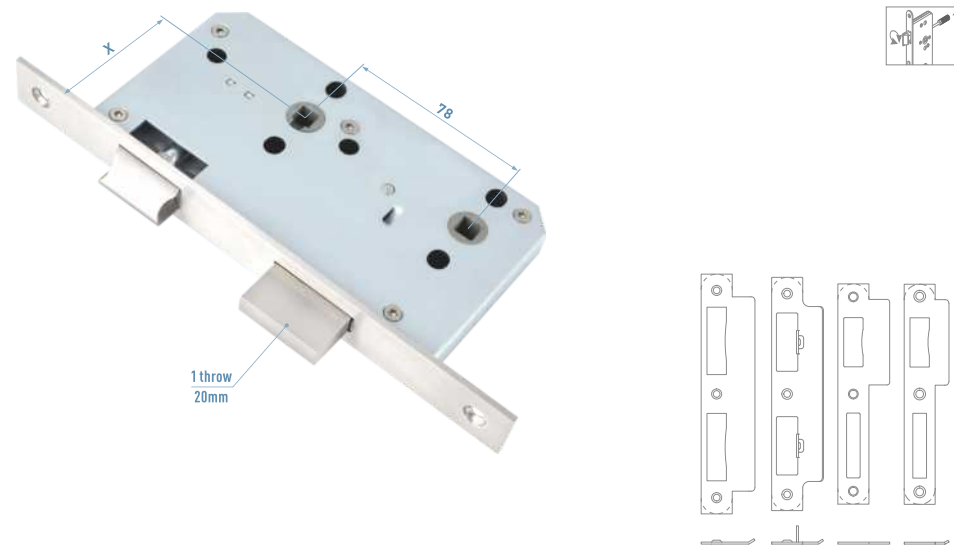


Night Latch Mortise Lock: 72N

- * # 5572N: X=55mm
- * # 6072N: X=60mm
- # 6572N: X=65mm

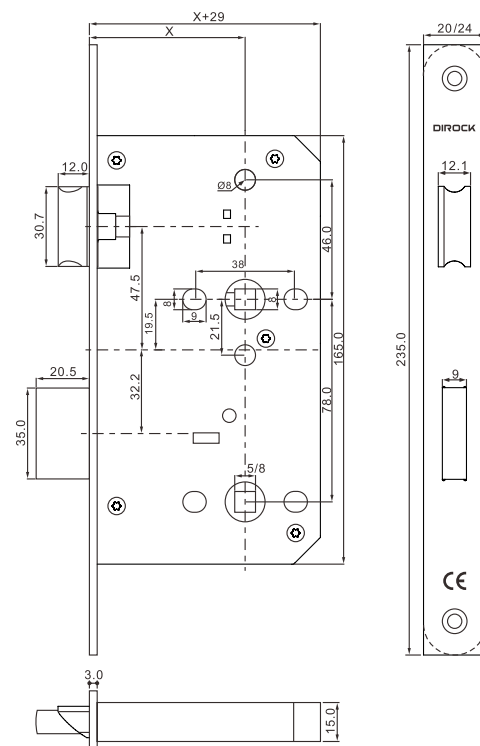


Size	
Backset	55 / 60 / 65 mm
Center distance	72mm
Major Parts	
Forend	SS 304, Height: 235mm, Width: 20 / 24mm, Thickness: 3mm
Latch	SS 304
Safety latch	SS 201
Follower	SS 304, Square hole: 8*8mm
Locking plate	SS 304, Thickness: 1.5mm
Case	SECC, Thickness: 1.5mm
Standard	
EN 12209, EN 1634-1, DIN 18251	
Certification	
CE (*Warrington)	3 X 8 1 0 G 2 H B 2 0
CE (*Intertek)	3 X 9 1 0 G 2 B B 2 0
Fire test (En1634-1)	Steel fire door: #240mins Timber fire door: *30 / *60 / **90 / *120mins

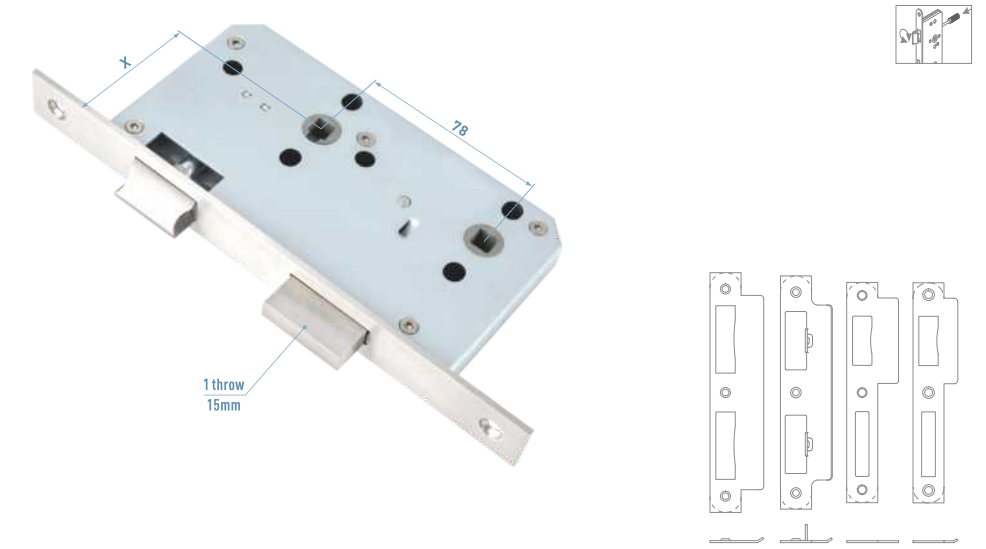


Bathroom Mortise Lock: 78ZWC (Deadbolt: 1 throw, 20mm)

- *# 5578ZWC: X=55mm
- *# 6078ZWC: X=60mm
- # 6578ZWC: X=65mm

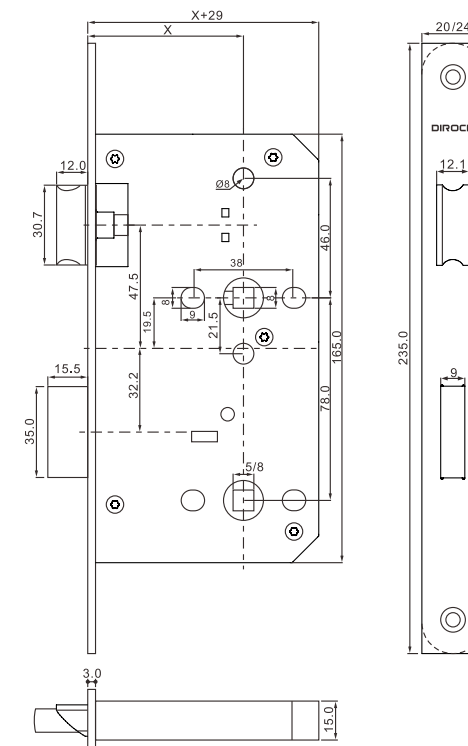


Size	
Backset	55 / 60 / 65 mm
Center distance	78mm
Major Parts	
Forend	SS 304, Height: 235mm, Width: 20/24mm, Thickness: 3mm
Latch	SS 304
Deadbolt	SS 304, 1 throw, Projection: 20mm
Latch Follower	SS 304, Square hole: 8*8mm
Thumb turn follower	SS 304, Square hole: 5*5 / 8*8mm
Locking plate	SS 304, Thickness: 1.5mm
Case	SECC, Thickness: 1.5mm
Standard	
EN 12209, EN 1634-1, DIN 18251	
Certification	
CE (*Warrington)	3 X 8 1 0 G - H G 2 0
CE (*Intertek)	3 X 9 1 0 G - B 0 2 0
Fire test (En1634-1)	Steel fire door: **240mins Timber fire door: *30 / *60 / **90 / *120mins



Bathroom Mortise Lock: 78ZWC-15 (Deadbolt: 1 throw, 15mm)

6078ZWC-15: X=60mm

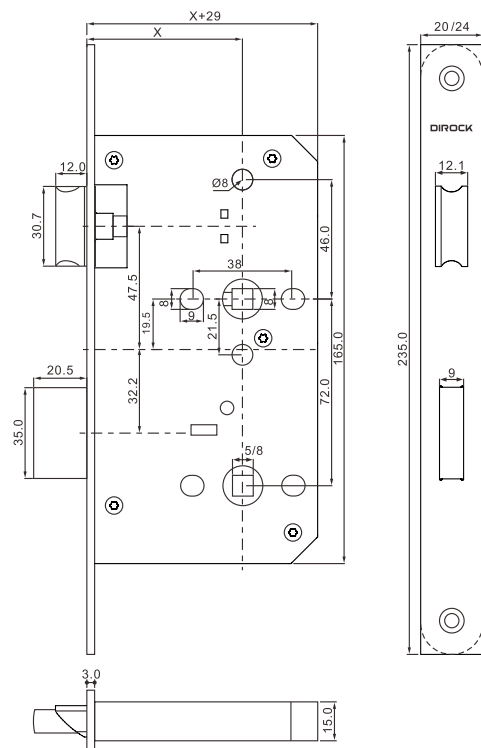


Size	
Backset	60mm
Center distance	78mm
Major Parts	
Forend	SS 304, Height: 235mm, Width: 20 / 24mm, Thickness: 3mm
Latch	SS 304
Deadbolt	SS 304, 1 throw, Projection: 15mm
Latch Follower	SS 304, Square hole: 8*8mm
Thumb turn follower	SS 304, Square hole: 5*5 / 8*8mm
Locking plate	SS 304, Thickness: 1.5mm
Case	SECC, Thickness: 1.5mm
Standard	
EN 12209, DIN 18251	

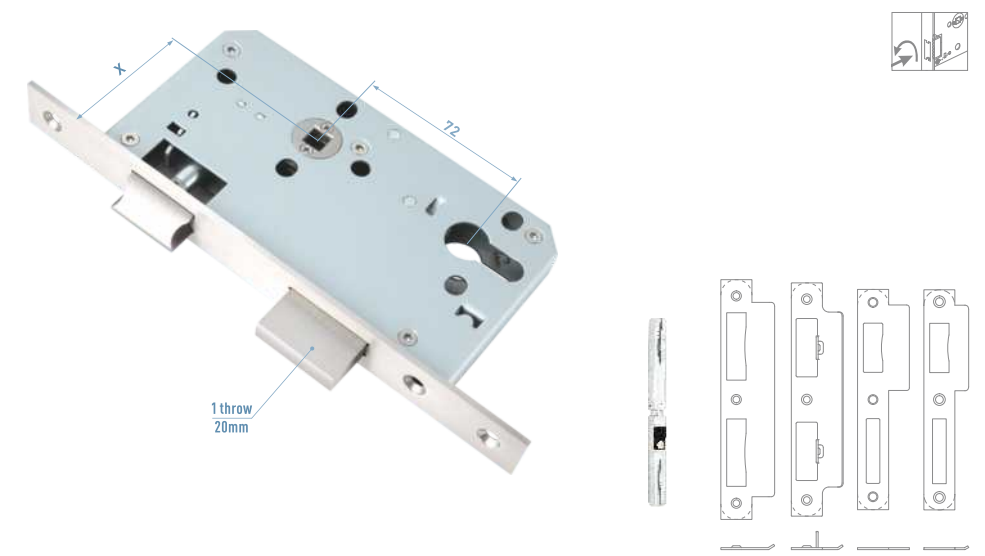


Bathroom Mortise Lock: 72ZWC (Deadbolt: 1 throw, 20mm)

6072ZWC: X=60mm

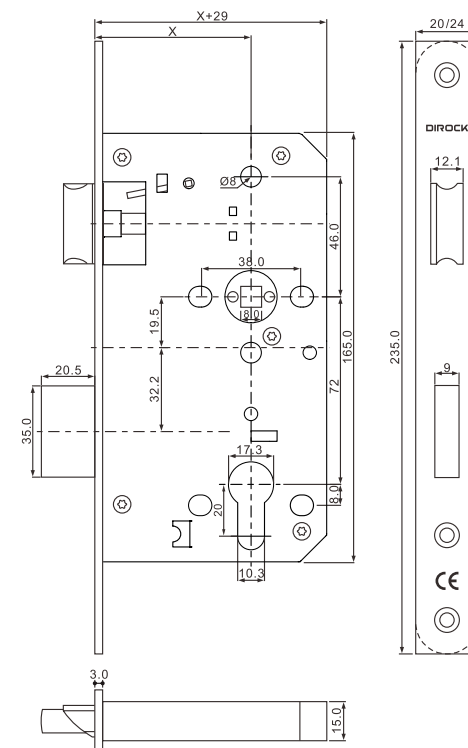


Size	
Backset	60mm
Center distance	72mm
Major Parts	
Forend	SS 304, Height: 235mm, Width: 20/24mm, Thickness: 3mm
Latch	SS 304
Deadbolt	1 throw, SS 304, Projection:20mm
Latch follower	SS 304, Square hole: 8*8mm
Thumb turn follower	SS 304, Square hole: 5*5 / 8*8mm
Locking plate	SS 304, Thickness: 1.5mm
Case	SECC, Thickness: 1.5mm
Standard	
En12209, Din18251	



Escape Mortise Lock: 72ZE

6072ZE: X=60mm

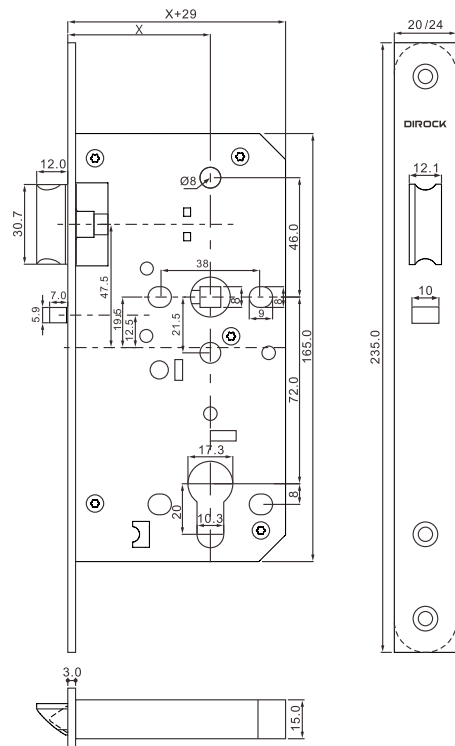


Size	
Backset	60 mm
Center distance	72mm
Major Parts	
Forend	SS 304, Height: 235mm, Width: 20 / 24mm, Thickness: 3mm
Latch	SS 304
Deadbolt	SS 304, 1 throw, Projection:20mm
Follower	SS 304, Square hole: 8*8mm
Locking plate	SS 304 , Thickness: 1.5mm
Case	SECC, Thickness: 1.5mm
Standard	
EN 12209, En179, EN 1634-1, DIN 18251	
Certification	
CE (En12209)	3 X 8 1 0 G 3 B A 2 0
CE (En179)	3 7 6 B 1 4 5 2 A B/D
Fire test (En1634-1)	Steel fire door: 240mins

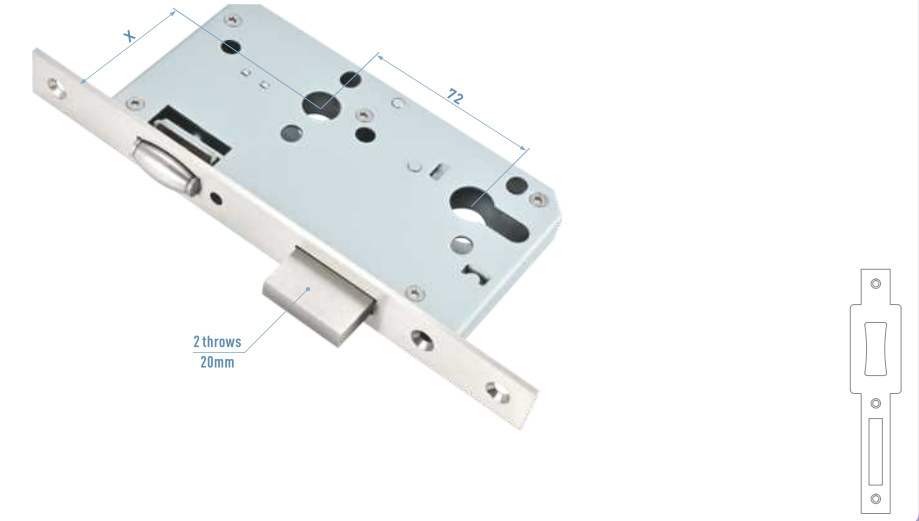


Classroom Mortise Lock: 72CR

5572CR: X=55mm
6072CR: X=60mm

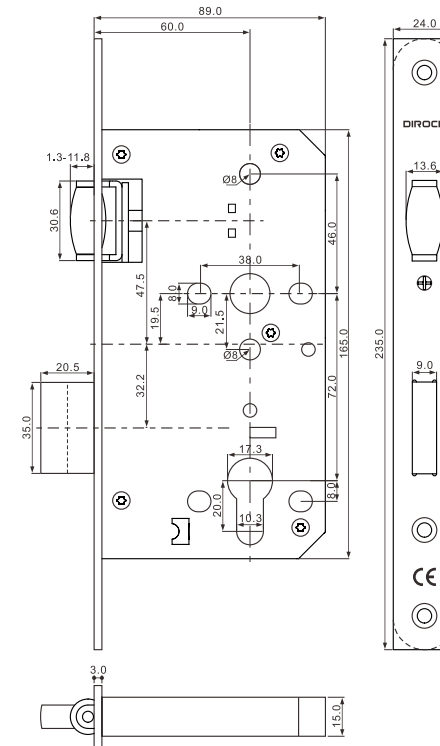


Size	
Backset	55 / 60mm
Center distance	72mm
Major Parts	
Forend	SS 304, Height:235mm, Width: 20 / 24mm, Thickness: 3mm
Latch	SS 304
Safety latch	SS 304
Follower	SS 304, Square hole: 8*8mm
Locking plate	SS 304, Thickness: 1.5mm
Case	SECC, Thickness: 1.5mm
Standard	
EN 12209, DIN 18251	
Certification	
En12209-2016	3 X 8 0 0 G 2 0

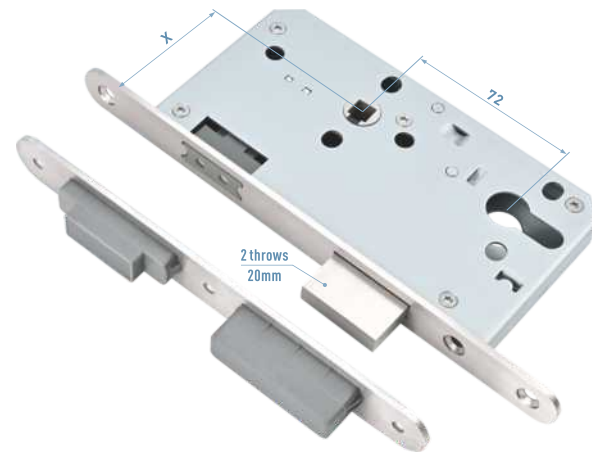


Roller Bolt Mortise Lock: 72ZR

5572ZR: X=55mm
6072ZR: X=60mm
7072ZR: X=70mm
8072ZR: X=80mm

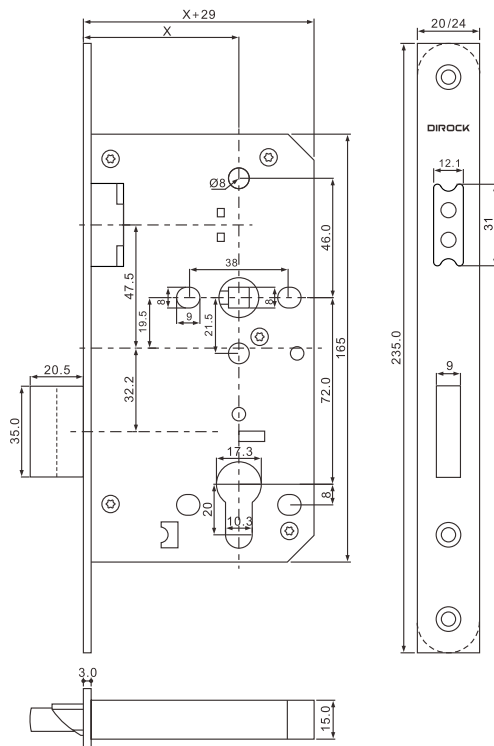


Size	
Backset	55 / 60mm
Center distance	72mm
Major Parts	
Forend	SS 304, Height:235mm, Width:20 / 24mm, Thickness: 3mm
Roller	SS 303
Deadbolt	SS 304, 2 throws, Projection:20mm
Locking plate	SS 304, Thickness: 1.5mm
Case	SECC, Thickness: 1.5mm
Standard	
EN 12209, EN 1634-1, DIN 18251	
Certification	
CE (#Intertek)	3 C 8 1 0 G 3 B C 0 0
Fire test (En1634-1)	Steel fire door: #240mins Timber fire door: #90mins

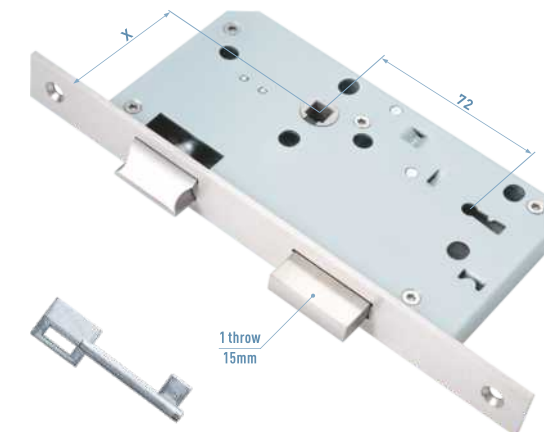


Magnetic Mortise Lock: 72ZMS (Deadbolt: 2 throws, 20mm)

5572ZMS: X=55mm
6072ZMS: X=60mm

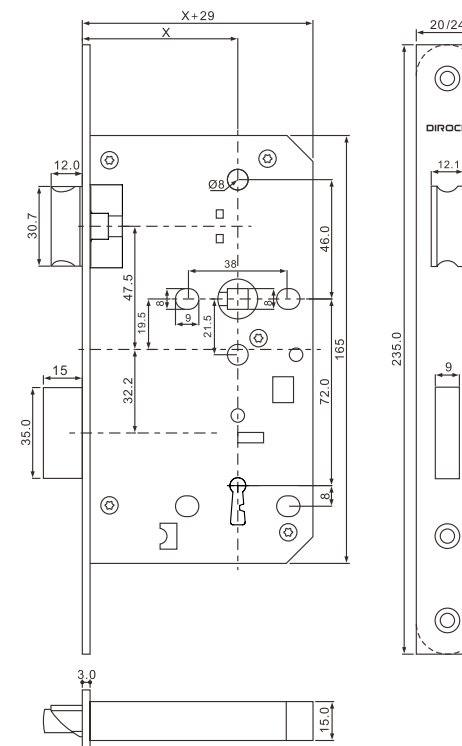


Size	
Backset	55 / 60mm
Center distance	72mm
Major Parts	
Forend	SS 304, Height: 235mm, Width: 20 / 24mm, Thickness: 3mm
Magnet bolt	PA6+Permanent magnet
Deadbolt	SS 304, 2 throws, Projection: 20mm
Follower	SS 304, Square hole: 8*8mm
Locking plate	SS 304, Thickness: 3mm
Case	SECC, Thickness: 1.5mm
Standard	
EN 12209, DIN 18251	



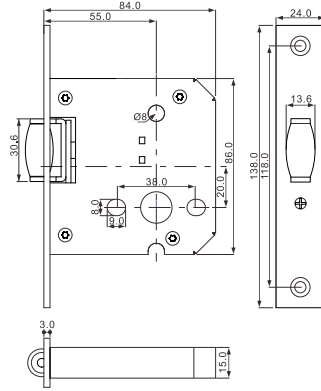
Mortise Lock: 72BB (Deadbolt: 1 throw, 15mm)

5572BB: X=55mm
6072BB: X=60mm



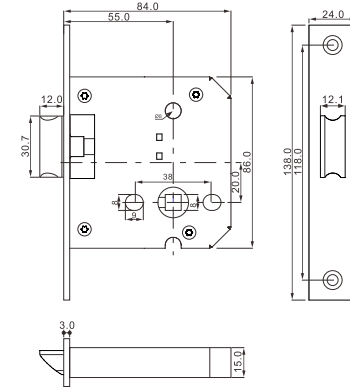
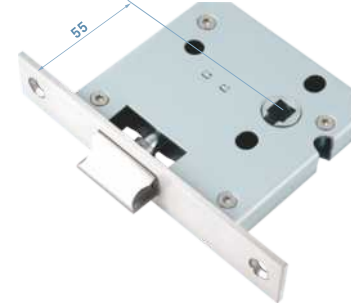
Size	
Backset	55 / 60mm
Center distance	72mm
Major Parts	
Forend	SS 304, Height: 235mm, Width: 20 / 24mm, Thickness: 3mm
Latch	SS 304
Follower	SS 304, Square hole: 8*8mm
Deadbolt	SS 304, 1 throw, Projection: 15mm
Locking plate	SS 304, Thickness: 1.5mm
Case	SECC, Thickness: 1.5mm
Key	Zinc alloy, 1 pc
Standard	
En12209, Din18251	

55ZR



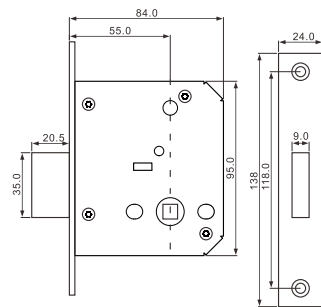
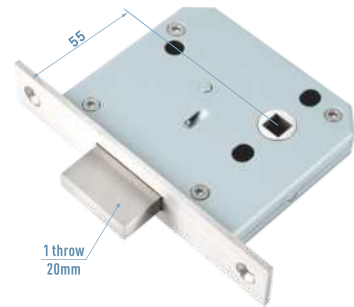
Size	
Backset	55mm
Major Parts	
Forend	SS 304, Size: 138*24mm, Thickness: 3mm
Roller	SS 303
Locking plate	SS 304, Thickness: 1.5mm
Case	SECC, Thickness: 1.5mm

55ZL



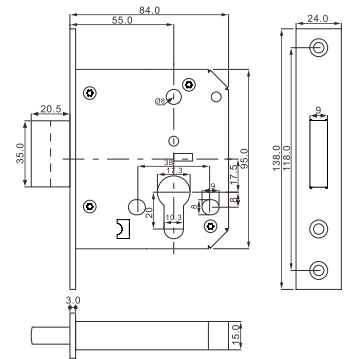
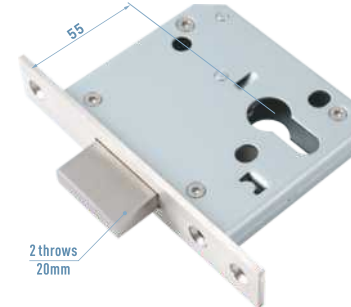
Size	
Backset	55mm
Major Parts	
Forend	SS 304, Height: 138mm, Width: 24mm, Thickness: 3mm
Latch	SS 304
Follower	SS 304, Square hole: 8*8mm
Locking plate	SS 304, Thickness: 1.5mm
Case	SECC, Thickness: 1.5mm

55ZWC



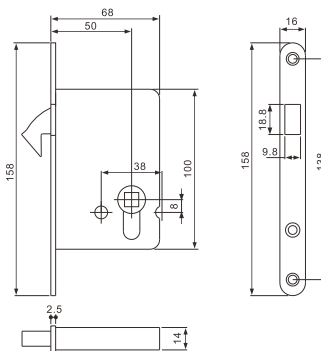
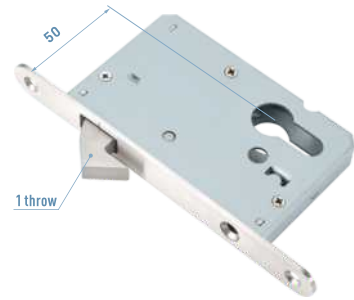
Size	
Backset	55mm
Major Parts	
Forend	SS 304, Size: 138*24mm, Thickness: 3mm
Deadbolt	SS 304, 1 throw
Thumb turn follower	SS 304, Square hole: 5*5 / 8*8mm
Locking plate	SS 304, Thickness: 1.5mm
Case	SECC, Thickness: 1.5mm

55ZD



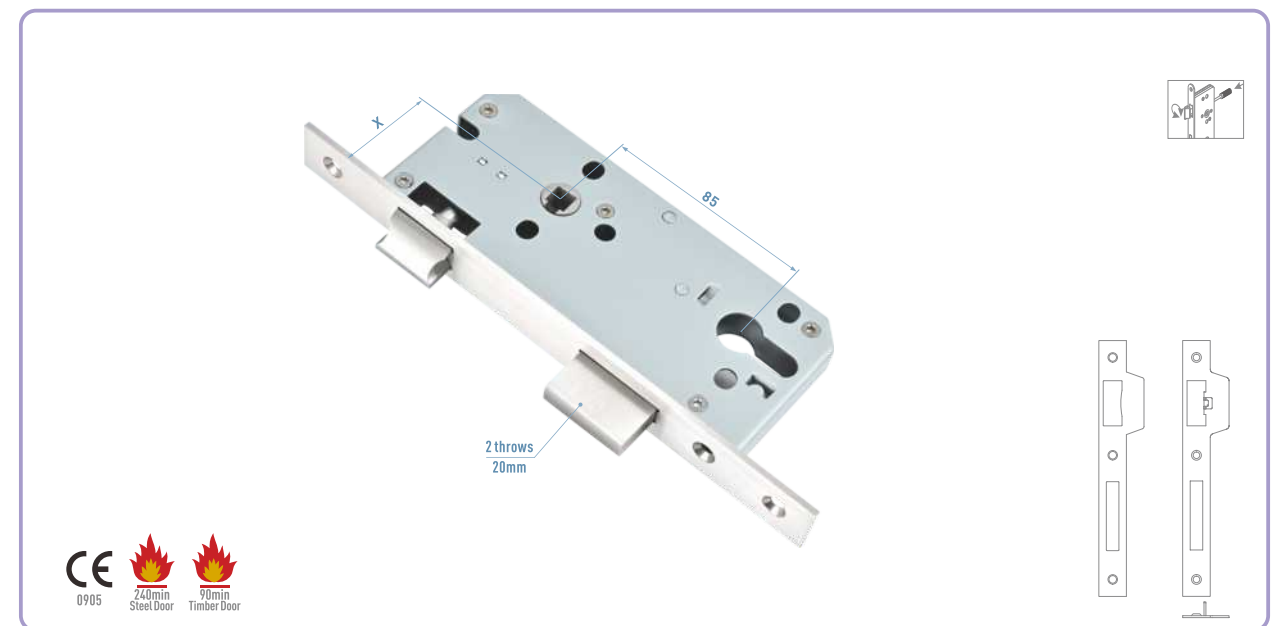
Size	
Backset	55mm
Major Parts	
Forend	SS 304, Height: 138mm, Width: 24mm, Thickness: 3mm
Deadbolt	SS 304, 2 throws, Projection: 20mm
Locking plate	SS 304, Thickness: 1.5mm
Case	SECC, Thickness: 1.5mm

50SD



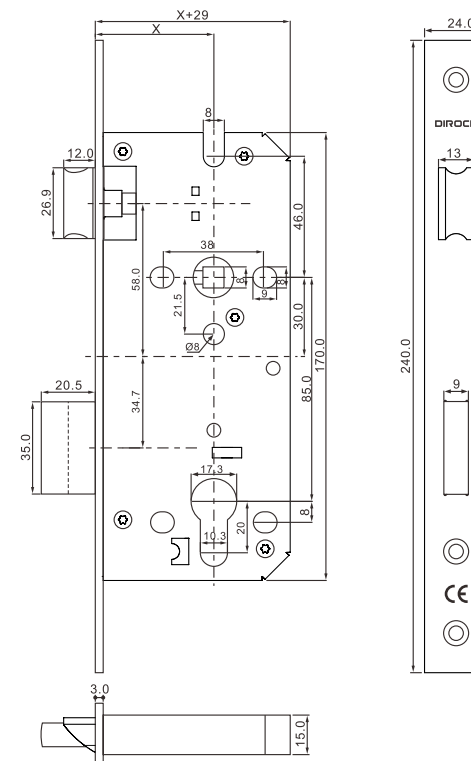
Size	
Backset	50mm
Major Parts	
Forend	SS 304, Size: 158*16mm, Thickness: 2.5mm
Hook bolt	SS 304, 1 throw
Locking plate	SS 304, Thickness: 2.5mm
Case	SECC, Thickness: 1.5mm

FIRE RESISTANCE

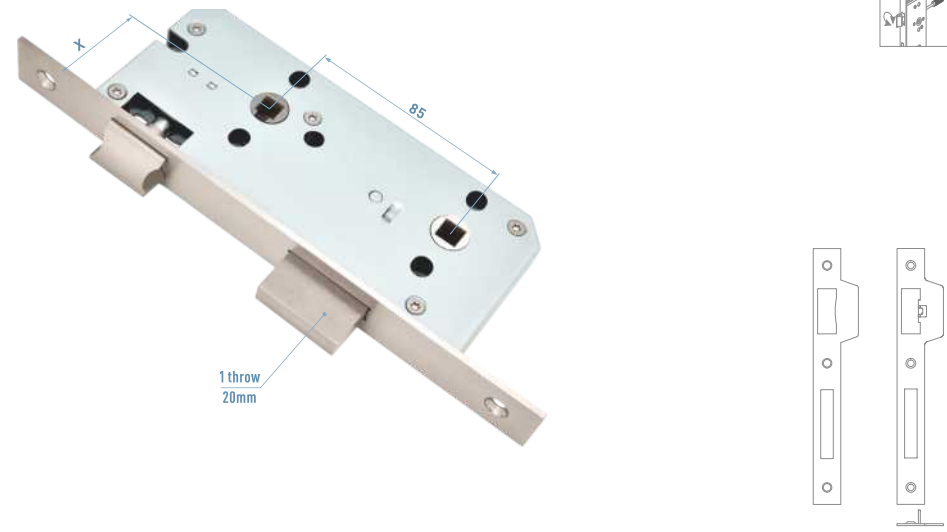


Mortise Lock: 85Z

- # 4585Z: X=45mm
- # 5085Z: X=50mm
- 5585Z: X=55mm
- # 6085Z: X=60mm

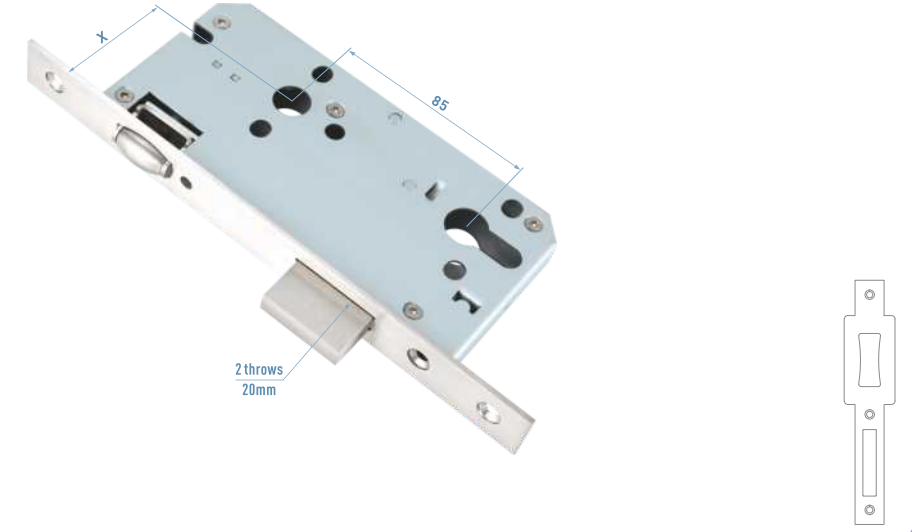


Size	
Backset	45 / 50 / 55 / 60mm
Center distance	85mm
Major Parts	
Forend	SS 304, Height: 240mm, Width: 24mm, Thickness: 3mm
Latch	SS 304
Deadbolt	SS 304, 2 throws, Projection: 20mm
Follower	SS 304, Square hole: 8*8mm
Locking plate	SS 304, Thickness: 1.5mm
Case	SECC, Thickness: 1.5mm
Standard	
EN 12209, EN 1634-1, DIN 18251	
Certification	
CE (Intertek)	3 X 9 1 0 G 3 B C 2 0
Fire test (EN1634-1)	Steel fire door: #240mins Timber fire door: #90mins



Bathroom Mortise Lock: 85ZWC

4585ZWC: X=45mm

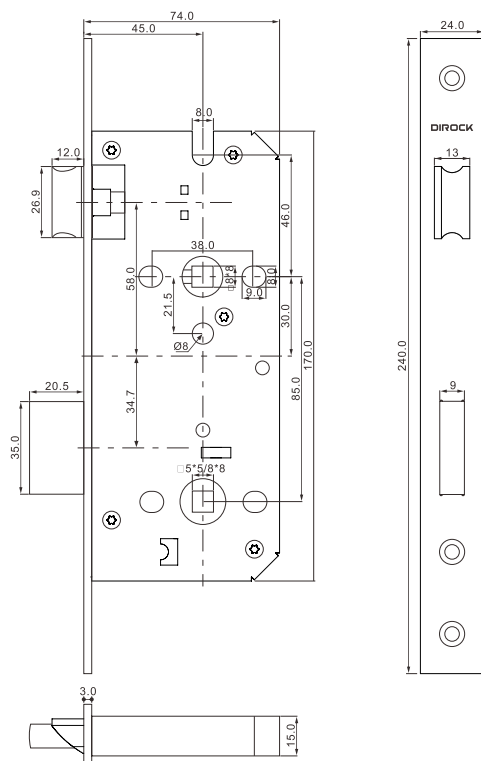


Roller latch Mortise Lock: 85ZR

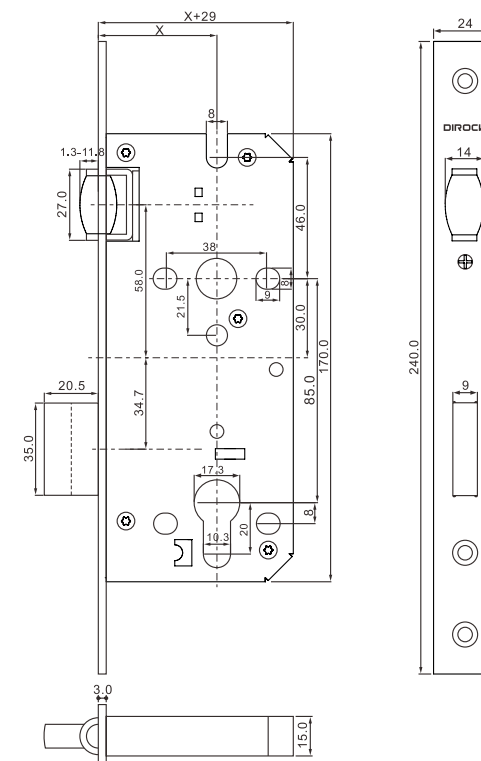
5085ZR: X=50mm

5585ZR: X=55mm

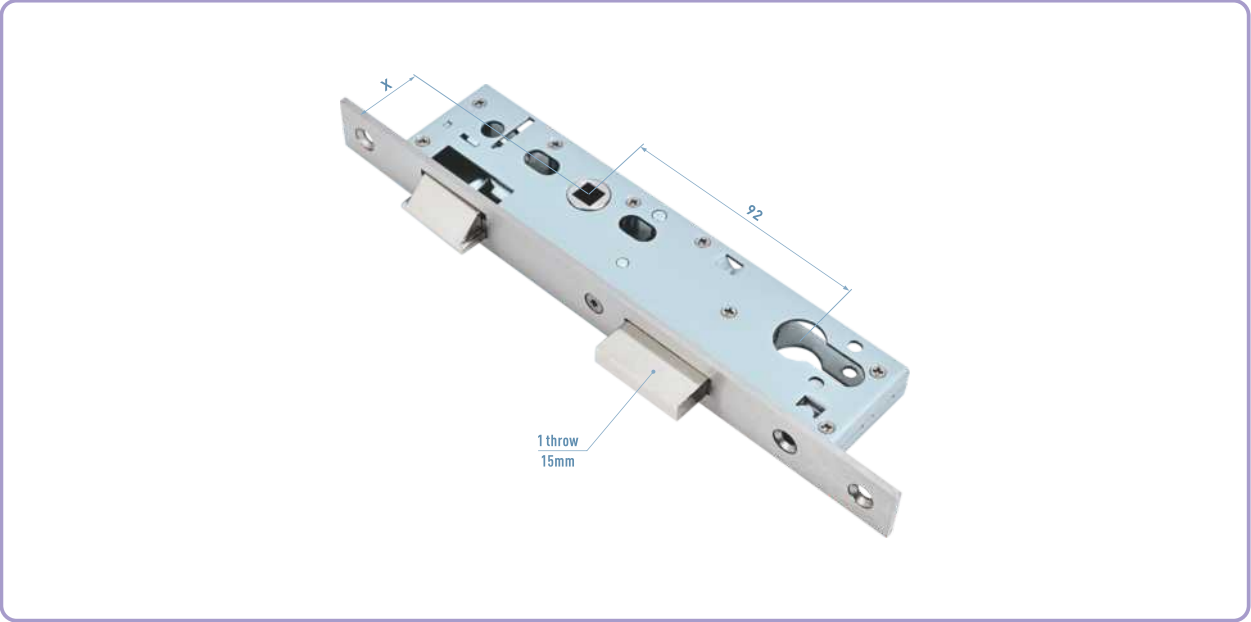
6085ZR: X=60mm



Size	
Backset	45mm
Center distance	85mm
Major Parts	
Forend	SS 304, Height:240mm Width:24mm, Thickness: 3mm
Latch	SS 304
Deadbolt	SS 304, 1 throw, Projection:20mm
Latch follower	SS 304, Square hole: 8*8mm
Thumb turn follower	SS 304, Square hole:5*5/8*8mm
Locking plate	SS 304, Thickness: 1.5mm
Case	SECC, Thickness: 1.5mm
Standard	
En12209	



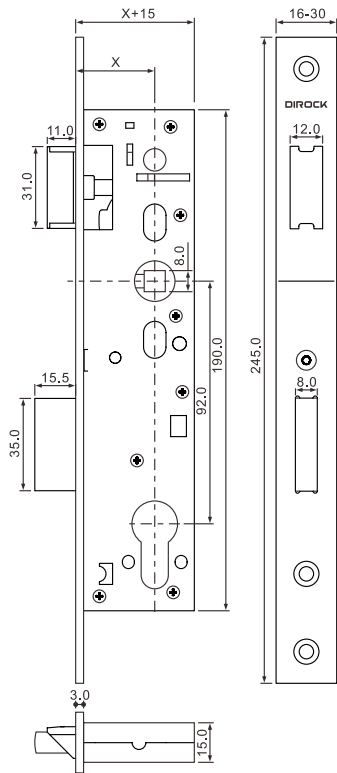
Size	
Backset	50 / 55 / 60mm
Center distance	85mm
Major Parts	
Forend	SS 304, Height:240mm, Width: 24mm, Thickness: 3mm
Roller	SS 303
Deadbolt	SS 304, 2 throws, Projection:20mm
Locking plate	SS 304, Thickness: 1.5mm
Case	SECC, Thickness: 1.5mm
Standard	
En12209	



Mortise Frame Lock: 92Z

3092Z: X=30mm

3592Z: X=35mm



Size	
Backset	30 / 35 mm
Center distance	92mm
Major Parts	
Forend	SS 304, Height: 245mm, Width:16-30mm, Thickness: 3mm
Latch	Zamak 5,SS304
Deadbolt	Zamak 5, SS304 1 throw,projection:15mm
Follower	SS 304, Square hole: 8*8mm
Locking plate	SS 304, Thickness: 2.0mm
Case	SECC, Thickness: 1.5mm
Standard	
EN12209, DIN18251	

CE Certificate (Panic Exit Devices)
Standard: EN 1125-Panic exit devices operated by a horizontal bar, for use on escape routes



CERTIFICATE OF CONSTANCY
OF PERFORMANCE

0905-CPR-241094-01

In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product(s)

Product(s): Building hardware – Panic exit device(s) operated by a horizontal bar (refer to attached appendix for details and conditions)
Placed on the market under the name or trade mark of: Shandong Hanrui Hardware Co., Ltd.
Bldg 10-116, No.10 Jingshan Road, Zhifu District, Yantai City, Shandong Province, China
and produced in the manufacturing plant(s): SG-24348
Intended use: For doors on escape routes.

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard(s):

EN 1125:2008

Under System 1 for the performances set out in this certificate are applied and that the performance of the construction product fulfils all the prescribed requirements for these performances

This certificate was first issued on 2024-12-13 and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performances of the declared essential characteristics, do not change, and the construction product, and the manufacturing conditions in the plant are not modified significantly, unless suspended or withdrawn by the product certification body

The issued document and statement(s) herein makes reference only to a presumption of conformity in accordance with the CPR Regulations EU 305/2011(as amended). However, it is the manufacturer's or their authorised representative's sole responsibility to affix the CE logo and, by doing so, confirms full compliance and conformity to all other European mandatory directives and regulations that may also apply.



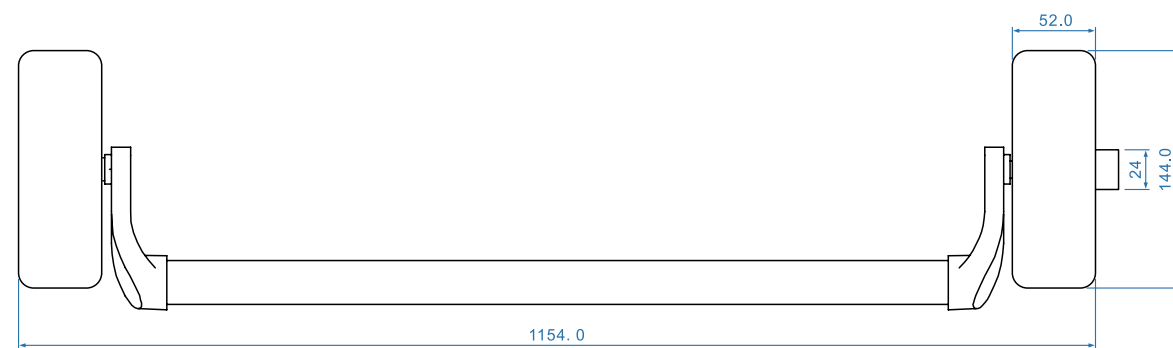
0905

Signature: [Signature] Date: 2024-12-13
Name: Dipl.-Ing. Roland Heine Issue: 01
Position: Certification Manager

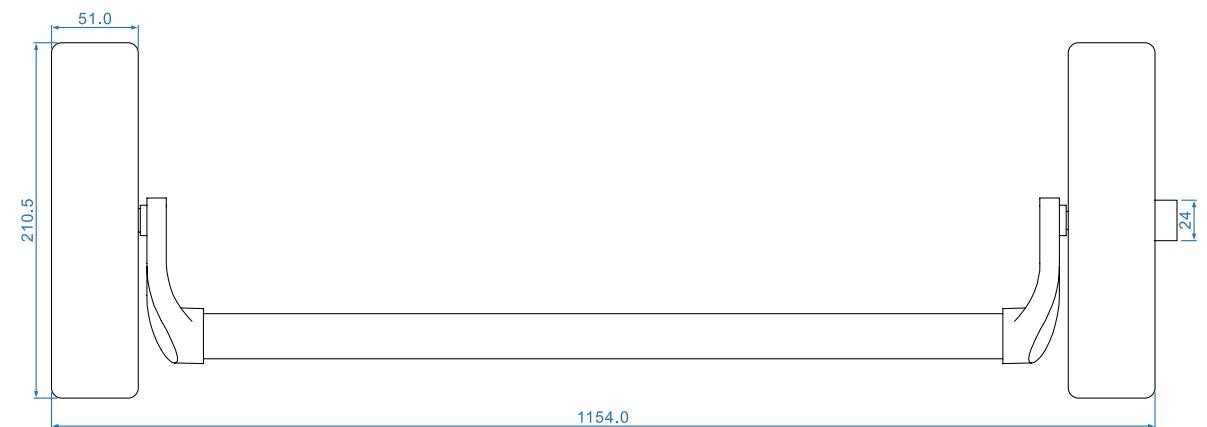
This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

Intertek Deutschland GmbH, Stangenstraße 1, 70771 Leinfelden-Echterdingen
Tel.: +49 711 27311-0 E-Mail: nb0905@intertek.com Web: www.intertek.de/directory
121493 Page 1 of 6 RFT-EU-NB-OP-23v5

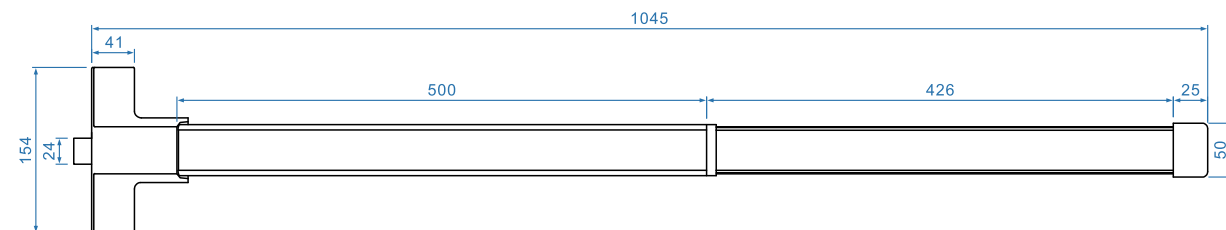
Rim Type Push-bar
Panic Exit Device: 350



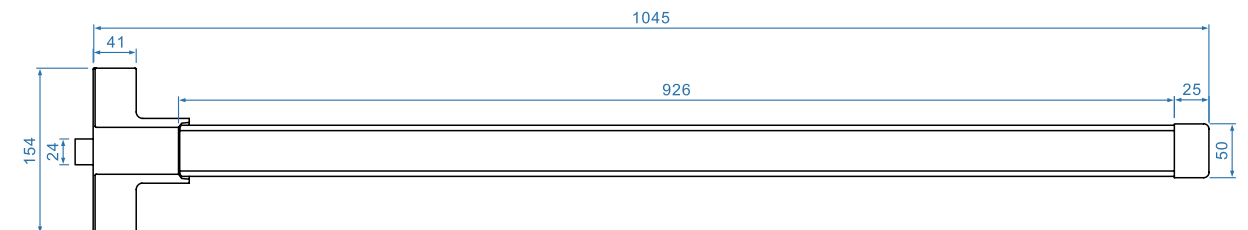
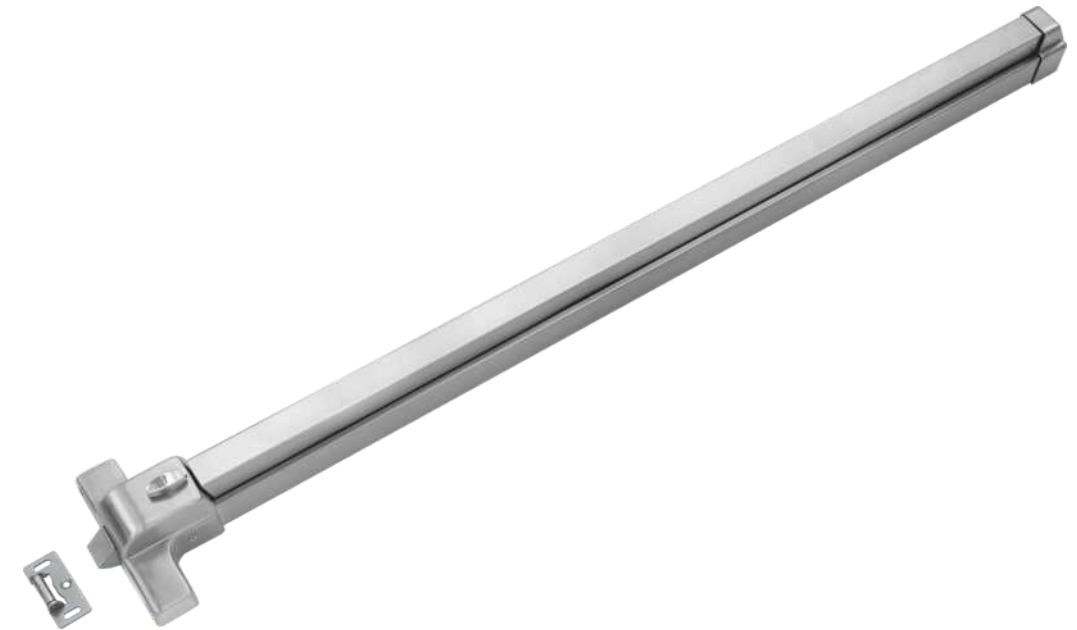
Rim Type Push-bar
Panic Exit Device: 450



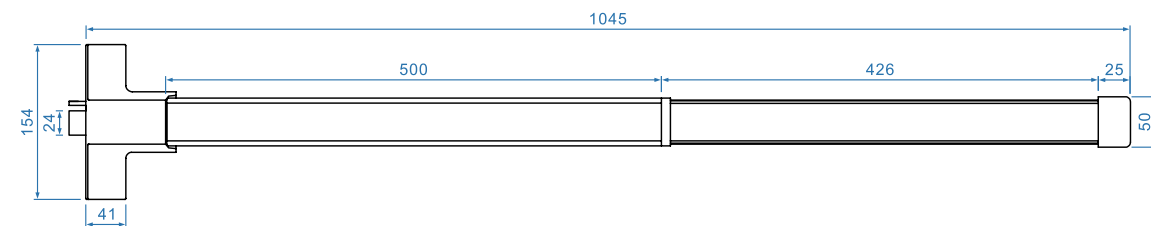
**Rim Type Touch-bar
Panic Exit Device: 500**



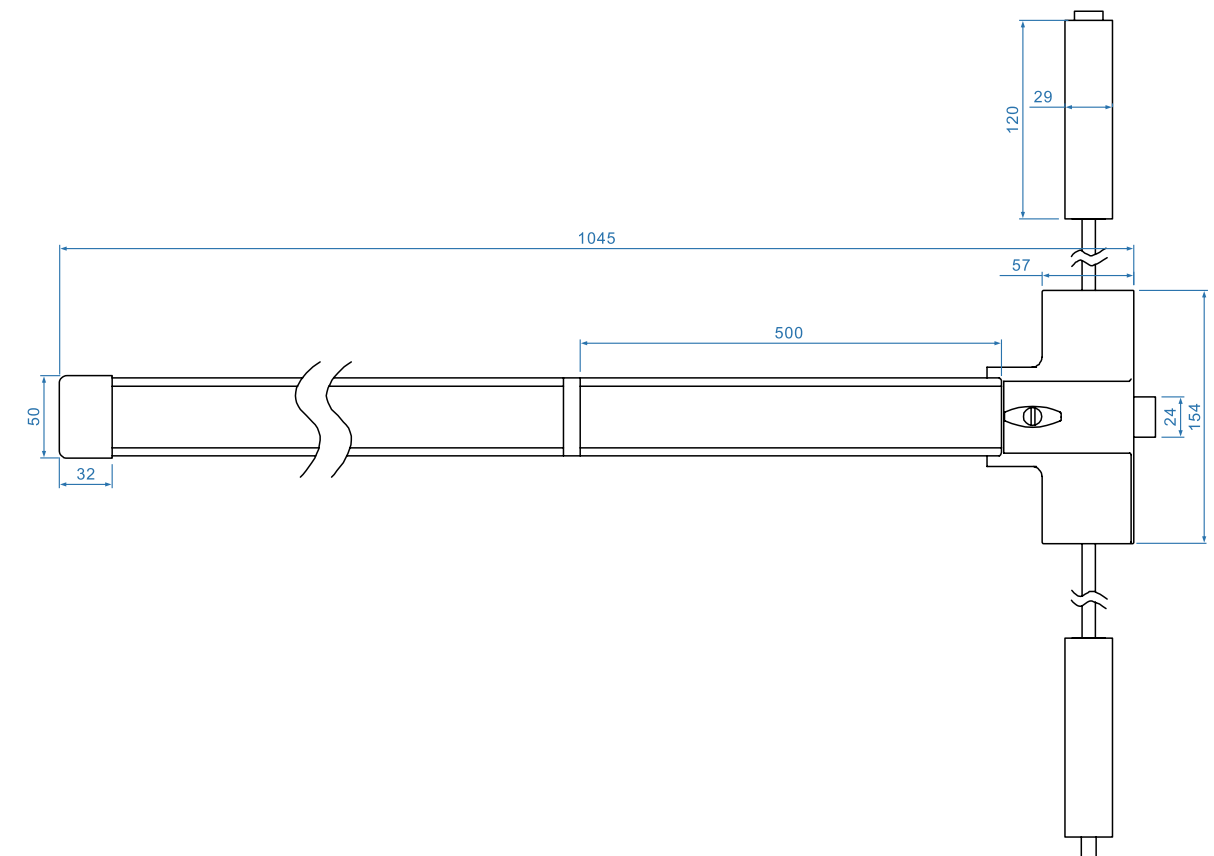
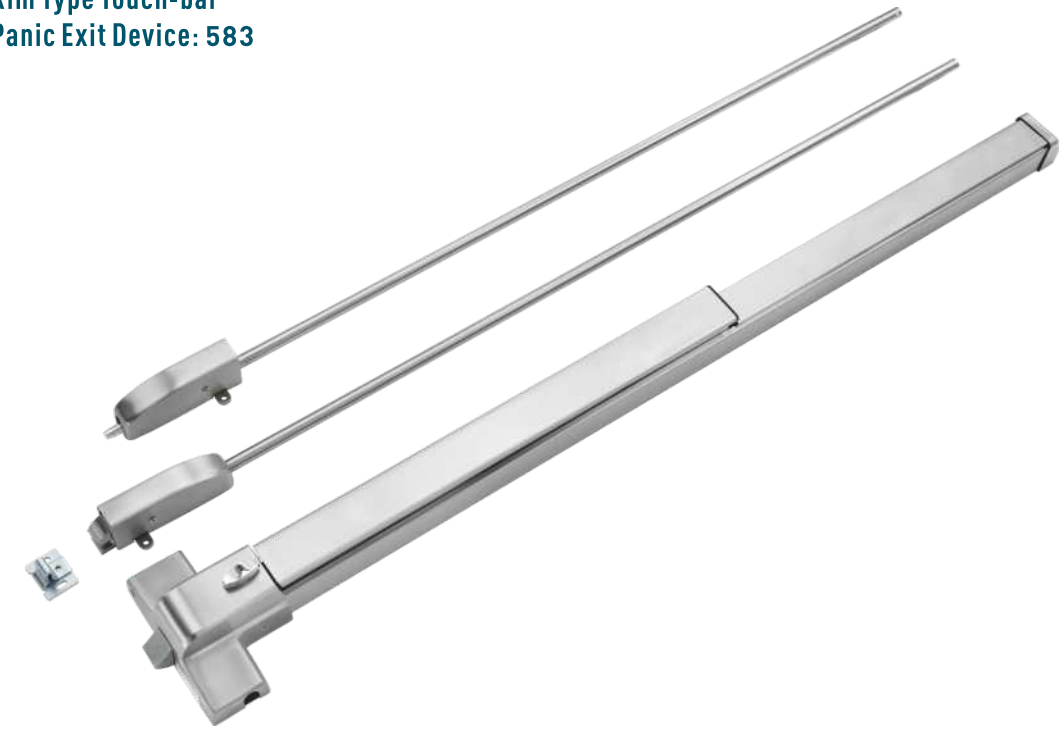
**Rim Type Touch-bar
Panic Exit Device: 500-1**



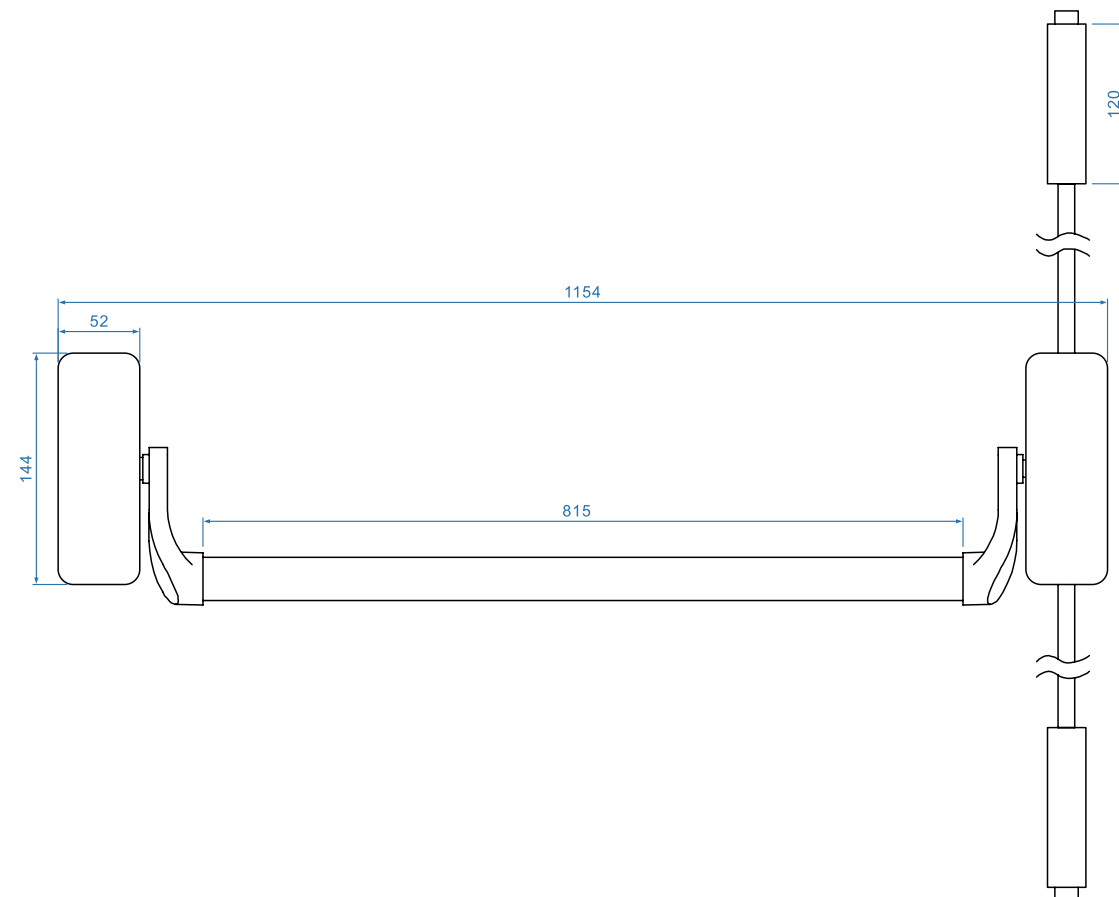
**Rim Type Touch-bar
Panic Exit Device: F5000**



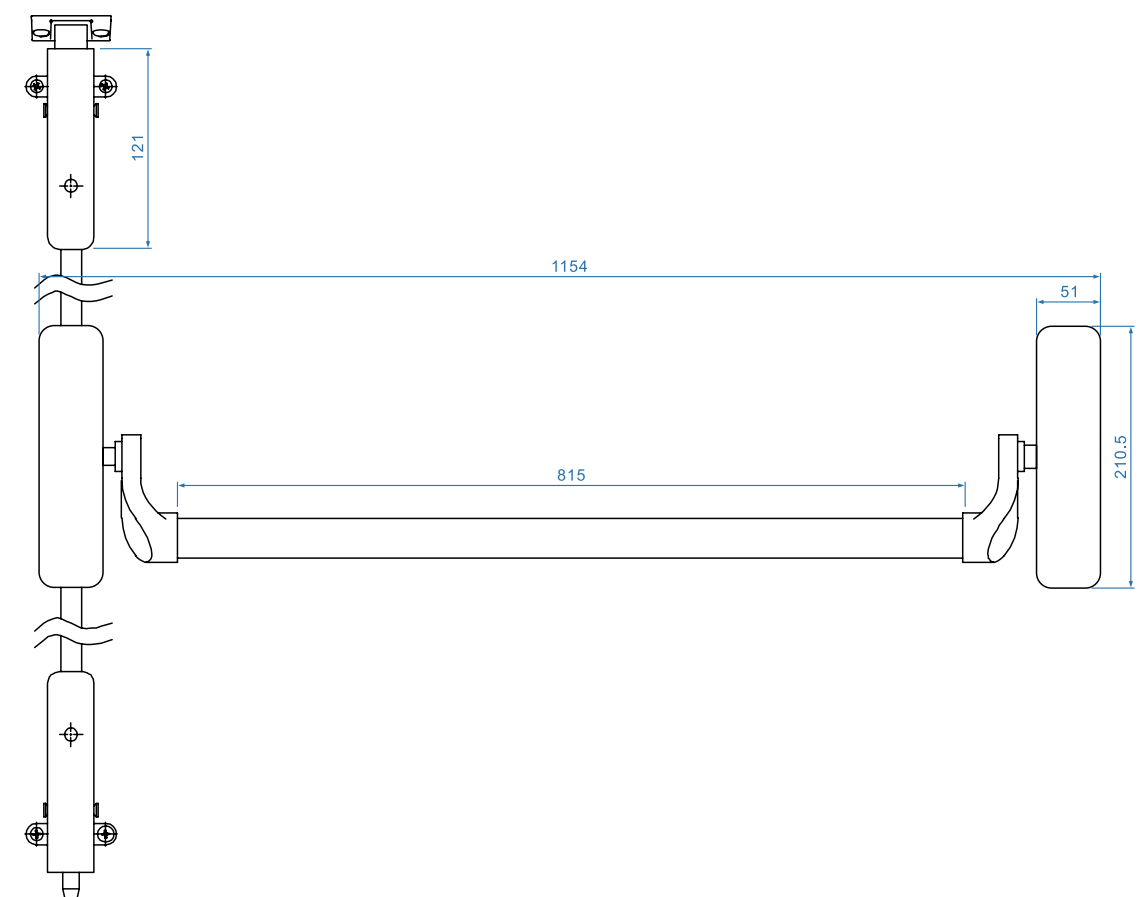
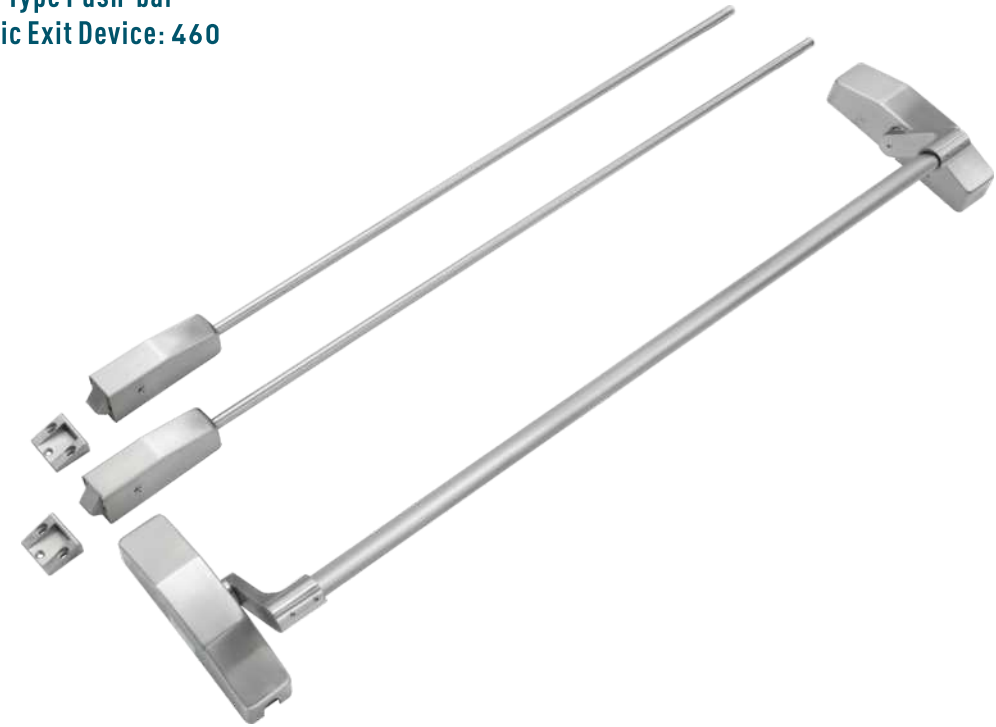
**Rim Type Touch-bar
Panic Exit Device: 583**



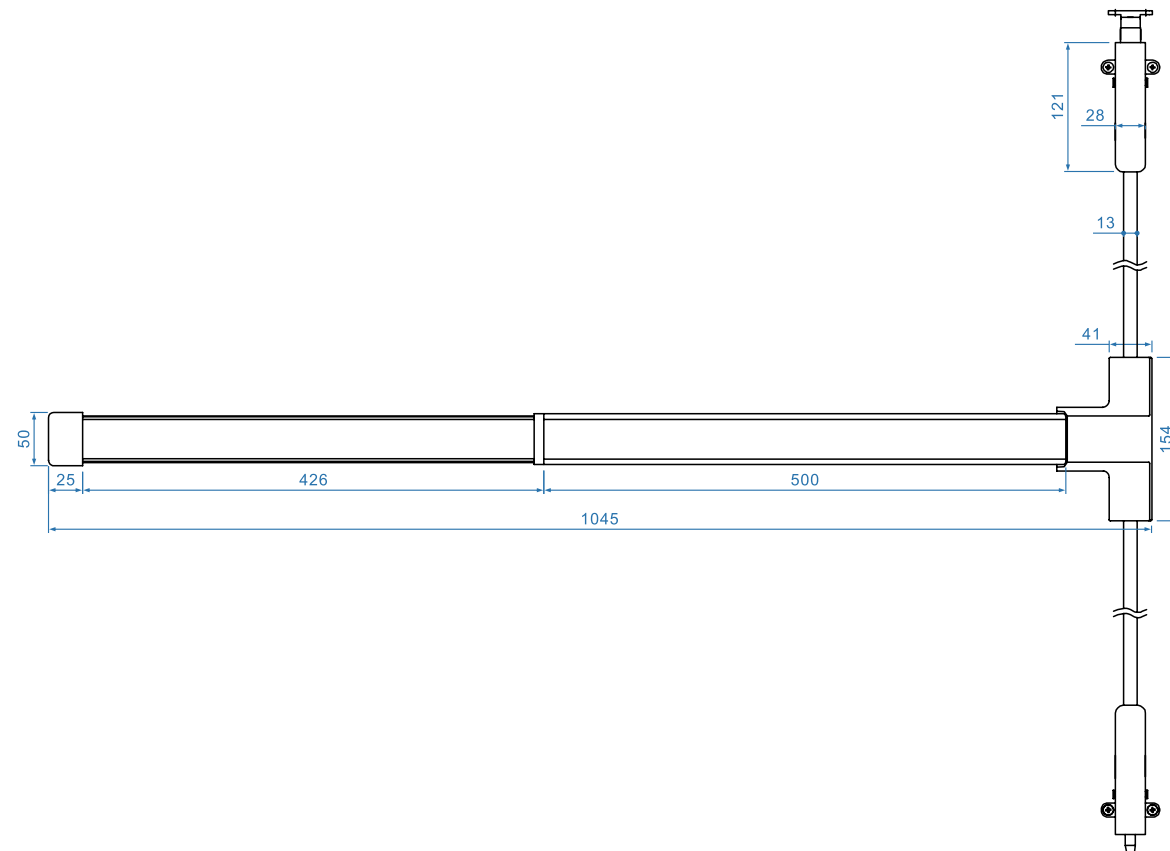
Rim Type Push-bar
Panic Exit Device: 360



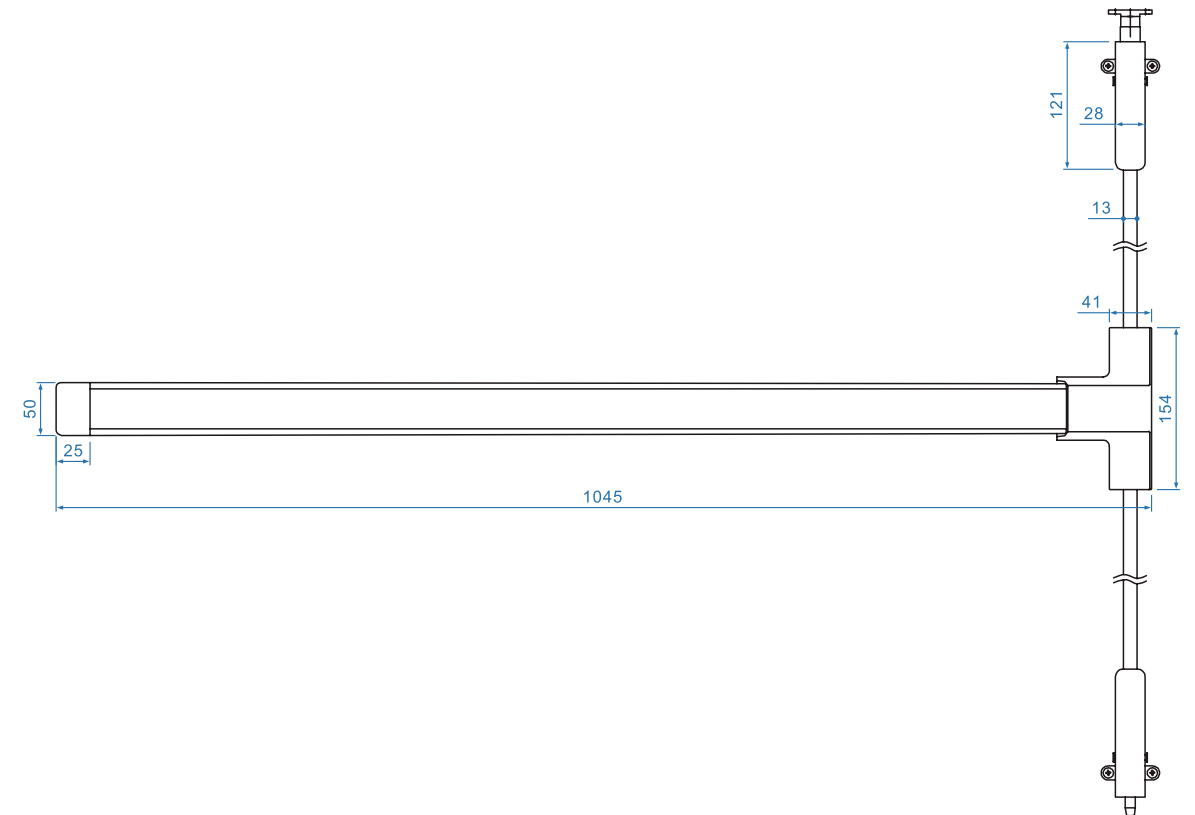
Rim Type Push-bar
Panic Exit Device: 460



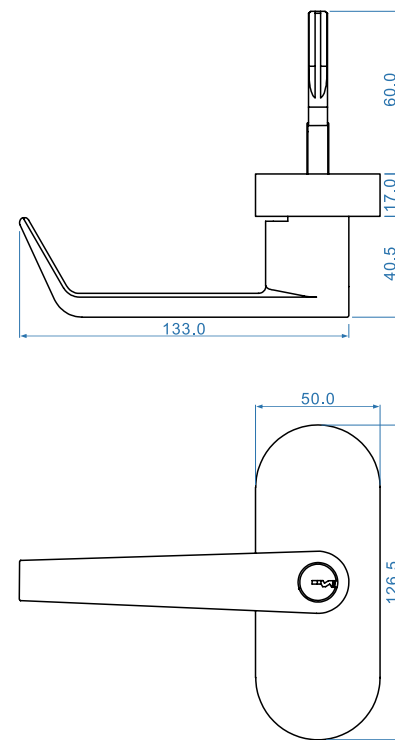
**Rim Type Touch-bar
Panic Exit Device: 560**



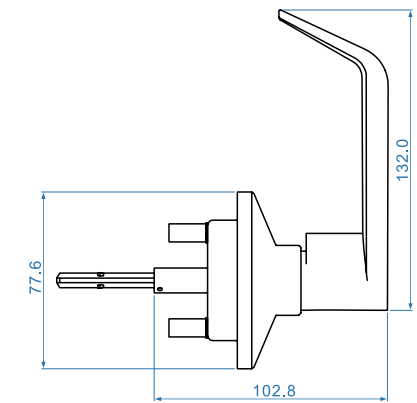
**Rim Type Touch-bar
Panic Exit Device: 560-1**



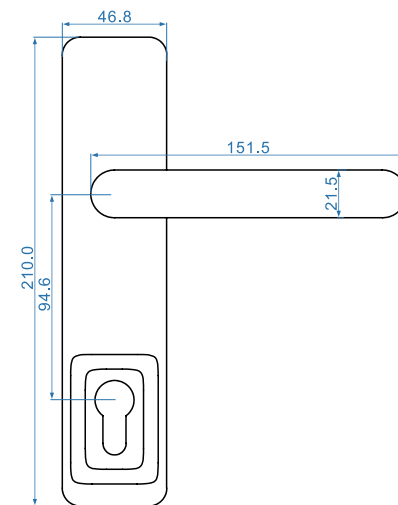
Rim Type
Outside Access Device: 018



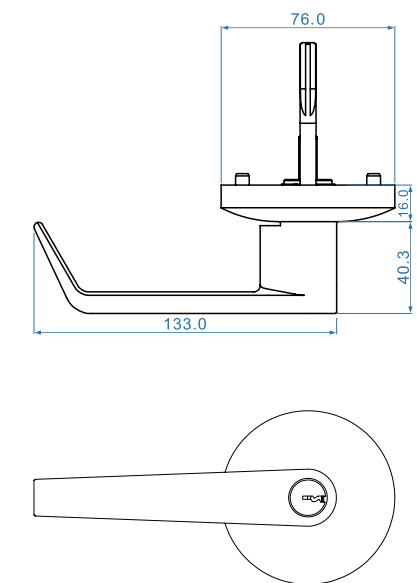
Rim Type
Outside Access Device: 006



Rim Type
Outside Access Device: 008E



Rim Type
Outside Access Device: 017





LEVER HANDLE

Standards and Certification

EN1906:2012 - Lever handles and knob furniture

Category of use

Grade 1: medium frequency of use by people with a high incentive to exercise care and with a small chance of misuse, e.g. internal residential doors;
Grade 2: medium frequency of use by people with some incentive to exercise care but where there is some chance of misuse, e.g. internal office doors;
Grade 3: high frequency of use by public or others with little incentive to exercise care and with a high chance of misuse, e.g. public office doors;
Grade 4: high frequency of use on doors which are subject to frequent violent usage, e.g. football stadiums, offshore installations (oil rigs), barracks, public toilets, etc.

Durability

Grade 6 : medium frequency of use: 100 000 cycles;
Grade 7 : high frequency of use: 200 000 cycles.

Corrosion resistance (EN1670)

Grade 0 : No defined corrosion resistance
Grade 1 : Mild resistance, 24 h
Grade 2 : Moderate resistance, 48 h
Grade 3 : High resistance, 96h
Grade 4 : Very high resistance, 240 h
Grade 5 : Extremely high resistance, 480 h

Type of operation

Type A: spring-assisted furniture;
Type B: spring-loaded furniture;
Type U: unsprung furniture.

Door mass

No classification

Fire resistance

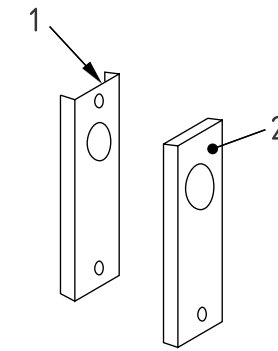
Grade 0 : no performance determined;
Grade A : for use on smoke-control doors;
Grade A1 : for use on smoke-control doors, tested with 200 000 cycles on a test door;
Grade B : for use on smoke-control and fire-resistant doors;
Grade B1 : for use on smoke-control and fire-resistant doors, tested with 200 000 cycles on a test door;
Grade C : for use on smoke-control and fire-resistant doors with requirements for fire protection inlays in backplate, rose and escutcheon;
Grade C1 : for use on smoke-control and fire-resistant doors with requirements for fire protection inlays in backplate, rose and escutcheon, tested with 200 000 cycles on a test door;
Grade D : for use on smoke-control and fire-resistant doors with requirements for special core in the handle/knob;
Grade D1 : for use on smoke-control and fire-resistant doors with requirements for special core in the handle/knob, tested with 2000 000 cycles on a test door.

Security

Grade 0 : no performance determined;
Grade 1 : mild burglary resistance;
Grade2 : moderate burglary resistance;
Grade 3 : high burglary resistance;
Grade 4 : extra high burglary resistance

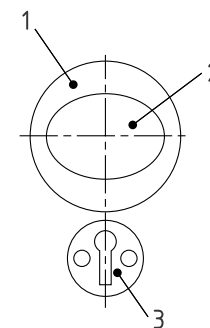
Safety

Grade 0: normal use;
Grade 1: safety applications

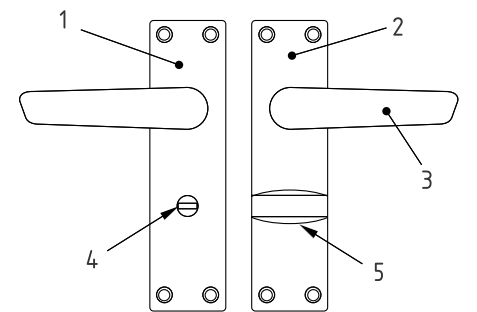


One part backplate

Two part backplate
1 Baseplate
2 Trim plate



Rose lever handle
1 Rose
2 Door knob
3 Escutcheon



Backplate lever handle
1 External plate
2 Internal plate
3 Lever handle
4 Emergency release
5 Thumb turn

INTERTEK Test (Lever Handle Furniture-Grade 3)



Test Verification of Conformity

Verification Number: 200831030GZU-VOC001

On the basis of the tests undertaken, the sample<s>of the below produ ct have been found to comply with the requirements of the referenced specification<s>standard<s> at the time the tests were carried out. This verification is part of the full test report<s>and should be read in conjunction with it <them>

Applicant Name & Address:	Shandong Hanrui Hardware Co., Ltd. Bldg 10-116, No.10 Jingshan Road, Zhifu District, Shandong Province, China							
Product Description:	Stainless steel lever handle							
Ratings & Principle Characteristics:	3	7	—	B1	1	4	0	B
	Fire resistant time: 132 minutes for steel door, 65 minutes for timber door							
Models/Type References:	SS4001, SS4002, SS4003, SS4005, SS4008							
Brand Names:	Dirock							
Specification<s>Standards:	EN 1906:2012 Building hardware Lever handles and knob furniture Requirements and test methods							
Verification Issuing Office Name & Address:	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch Room 4103 & 4203, No. 63, Punan Road, Huangpu District, Guangzhou, China							
Date of Tests:	Mechanical performance test date: 2020-09-03~2020-09-18 and 2017-10-16~2017-12-06 Fire resistant date: 2022-06-14 and 2022-06-22							
Test Report Number(s):	200831030GZU-001 dated 2020-09-23, 220413102GZU-001-R1 dated 2022-08-08 220318003SHF-002-R1 dated 2022-08-15							

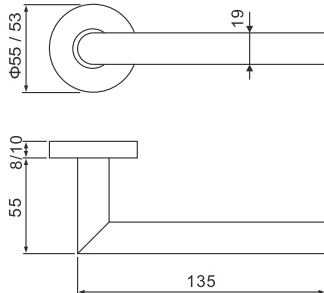
Nelson Zhu

Signature

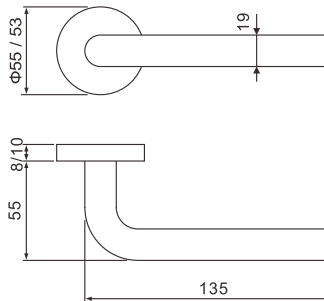
Name: Nelson Zhu
Position: Technical Supervisor
Date: 24 August 2022

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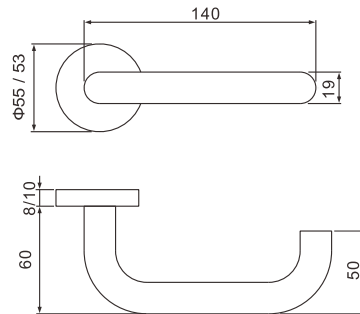
SS 4001



SS 4002



SS 4003



Spring-loading Lever handle furniture on Roses

Major Parts

Handle	SS 304, Thickness:1.0mm
Trim plate	SS 304, Thickness:0.8mm
Baseplate	Iron, Thickness: 1.2/1.5mm
Core	Brass, Ss304
Spindle	8*8mm

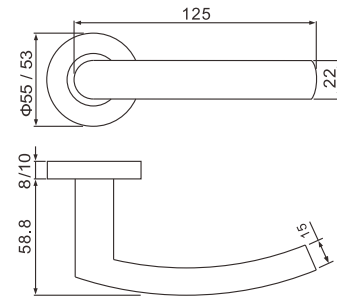
Standard

En1906, DIN18255, DIN18273

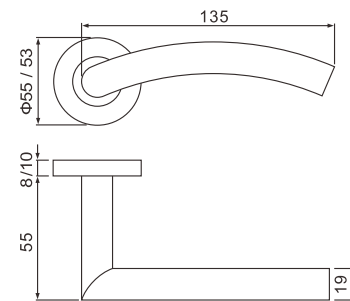
Certification (Grade 3)

Type	SS 4001 / SS 4002 / SS 4003 / SS 4005 / SS 4008		
En1906	3	7	B1 1 4 0 B
Fire test (En1634-1)	Steel fire door: 120mins	Timber fire door: 60mins	

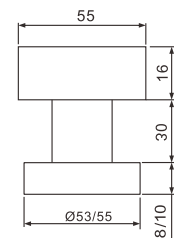
SS4005



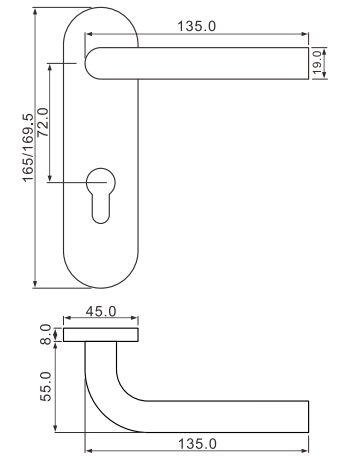
SS4008



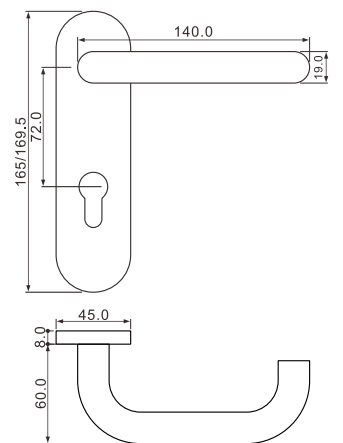
SS4055



SS2002



SS2003



Spring-loading Lever handle furniture on Backplate	
Major Parts	
Handle	SS 304
Trim plate	SS 304, Thickness:0.8mm
Baseplate	Iron, Thickness: 1.2mm
Core	Brass, Ss304
Spindle	8*8mm
Standard	
En1906	



LH238



LH239



LH240



LH241



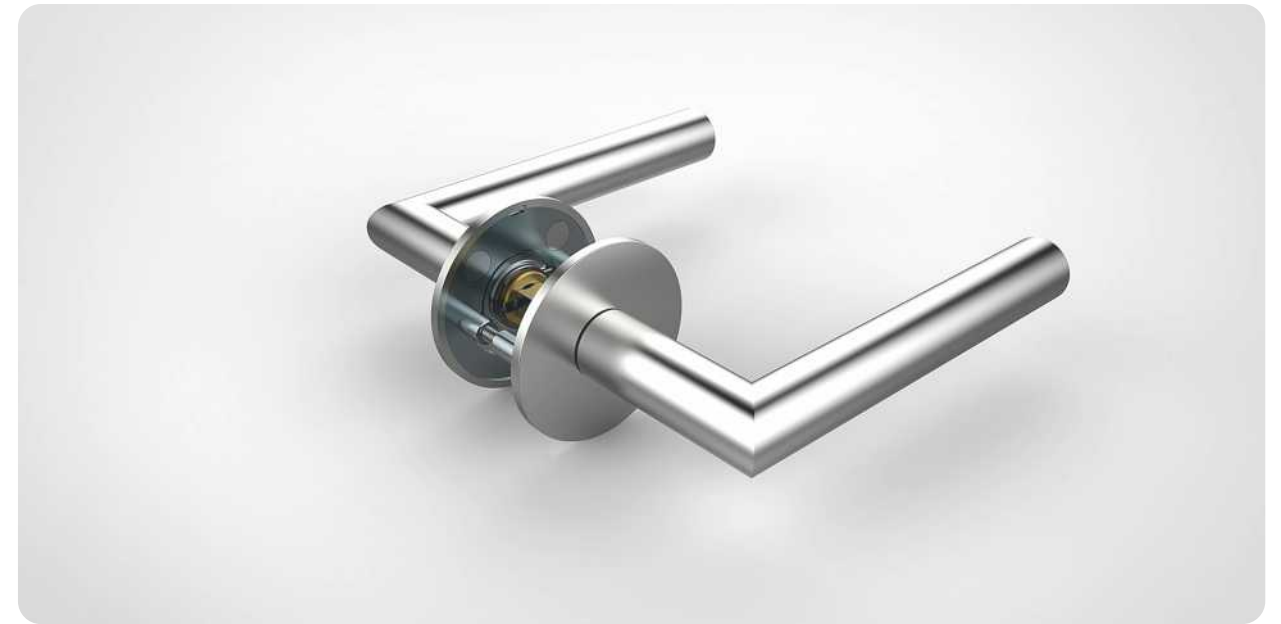
LH244



DK245



DK247



TT004M



ES01M



ES02M

INTERTEK Test (Lever Handle Furniture- Grade 4)



Test Verification of Conformity

Verification Number: 211202092GZU-VOC001

On the basis of the tests undertaken, the sample<s>of the below product have been found to comply with the requirements of the referenced specification<s>standard<s>at the time the tests were carried out. This verification is part of the full test report<s>and should be read in conjunction with it <them>

Applicant Name & Address:	Shandong Hanrui Hardware Co., Ltd. Bldg 10-116, No.10 Jingshan Road, Zhifu District, Yantai City, Shandong Province, China								
Product Description:	Stainless steel Lever handle								
Ratings & Principle Characteristics:	<table border="1"><tr><td>4</td><td>7</td><td>-</td><td>B1</td><td>1</td><td>5</td><td>0</td><td>B</td></tr></table> Durability: 300,000 cycles	4	7	-	B1	1	5	0	B
4	7	-	B1	1	5	0	B		
Models/Type References:	SS4003-19SS								
Brand Names:	DIROCK								
Specification<s>Standards:	EN 1906:2012 Building hardware Lever handles and knob furniture 								

Nelson Zhu

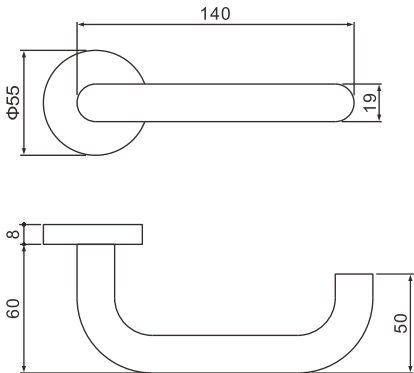
Signature

Name: Nelson Zhu
Position: Technical Supervisor
Date: 05 January 22

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Spring-loading lever handle furniture on Roses (Grade 4)



Major Parts	
Handle	SS 304, Thickness:1.2mm
Trim plate	SS 304, Thickness:0.8mm
Baseplate	Iron, Thickness: 1.5mm
Core	SS 304
Spindle	8*8mm
Standard	
En1906, En179, DIN18255, DIN18273	
Certification (Grade 4)	
Type	SS4003-19SS
En1906	4 7 - B1 1 5 0 B
Fire test (En1634-1)	Steel fire door: 240mins

PROFILE CYLINDER



Standards and Certification

EN 1303:2015 - Profile Cylinders

Durability:
Grade 4: 25 000 test cycles;
Grade 5: 50 000 test cycles;
Grade 6: 100 000 test cycles.

Category of use:
Grade 1: for use by people with a high incentive to exercise care and with a small chance of misuse.

Door mass:
Grade 0: no door mass requirement.

Suitable for use on fire resistant / smoke control doors:
Grade 0: not approved for use on fire resistant / smoke control door assemblies;
Grade A: suitable for use on smoke control door assemblies;
Grade B: suitable for use on fire resistant and smoke control doors.

Corrosion resistance and temperature:
Grade 0: no corrosion requirement;
no temperature requirement;
Grade A: high corrosion resistance;
no temperature requirement;
Grade B: no corrosion requirement;
temperature requirement: from - 25 °C to + 65 °C;
Grade C: high corrosion resistance;
temperature requirement: from - 25 °C to + 65 °C.

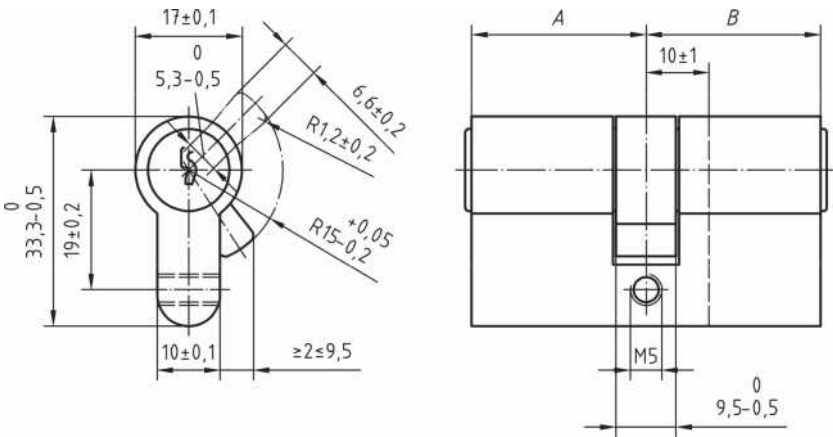
Attack resistance:
Grade 0: no resistance against drilling;
no resistance against mechanical attack;
Grade A: 3 / 5 min resistance against drilling; resistance against mechanical attack except plug/cylinder extraction;
Grade B: 5 / 10 min resistance against drilling; resistance against mechanical attack except plug/cylinder extraction;
Grade C: 3 / 5 min resistance against drilling; resistance against mechanical attack;
Grade D: 5 / 10 min resistance against drilling; resistance against mechanical attack.

Key related security:

Requirement	Grade					
	1	2	3	4	5	6
Min. number of effective differs	100	300	15000	30000	30000	100000
Min. number of movable detainers	2	3	5	5	6	6
Direct coding on key	-	-	No	No	No	No
Torque resistance of plug/cylinder	2.5Nm	5Nm	15Nm	15Nm	15Nm	15Nm

Safety:
Grade 0: no safety requirement.

160B0C40



Euro Profile Cylinder Test Verification



Test Verification of Conformity

Verification Number: 220126036GZU-VOC001

On the basis of the tests undertaken, the sample<ss>of the below product have been found to comply with the requirements of the referenced specification<ss>standard<ss>at the t ime the tests were carried out. This verification is part of the full test report<ss>and should be read in conjunction wit h it <them>

Applicant Name & Address:	Shandong Hanrui Hardware Co., Ltd Bldg 10-116, No.10 Jingshan Road, Zhifu District, Yantai City, Shandong Province, China								
Product Description:	Brass Profile Cylinder								
Ratings & Principle Characteristics:	<table><tr><td>1</td><td>6</td><td>0</td><td>B</td><td>0</td><td>C</td><td>6</td><td>0</td></tr></table> Fire resistant time: 65 minutes for timber door	1	6	0	B	0	C	6	0
1	6	0	B	0	C	6	0		
Models/Type References:	Double profile cylinder 60-95mm; Knob profile cylinder 60-95mm; Half profile cylinder 40-55mm								
Brand Names:	Dirock								
Specification<ss>Standards:	EN 1303:2015 Building hardware Cylinders for locks . Requirements and test methods								
Verification Issuing Office Name & Address:	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch Room 4103 & 4203, No. 63, Punan Road, Huangpu District, Guangzhou, China								
Date of Tests:	Mechanical performance test date: 2022-01-28~2022-03-10 Fire resistant test date: 2022-06-22								
Test Report Number(s):	220126036GZU-001 dated 2022-03-10, 220126036GZU-002 dated 2022-03-10 220126036GZU-003 dated 2022-03-10, 220126036GZU-004 dated 2022-03-10 220126036GZU-005 dated 2022-04-14, 220318003SHF-003-R1 dated 2022-08-15								

Nelson Zhu

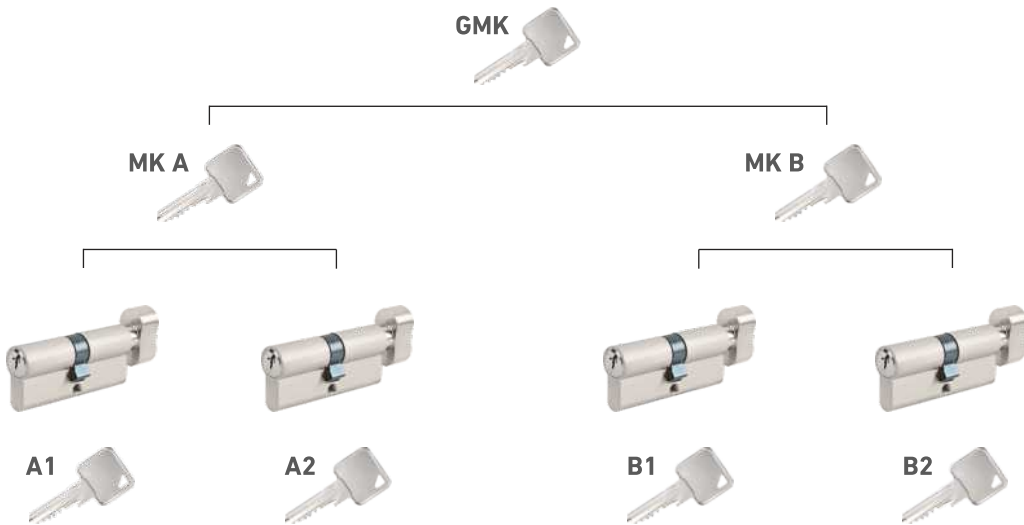
Signature

Name: Nelson Zhu
Position: Technical Supervisor
Date: 24 August 2022

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Master Keying Cylinder:

Hierarchy Display: A master key open only own group of cylinders and A grand master key open all cylinders.



Master Keying Cylinder:



Double cylinder



Knob cylinder

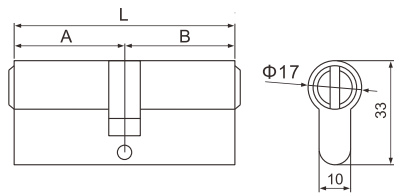


Half cylinder

Profile cylinder

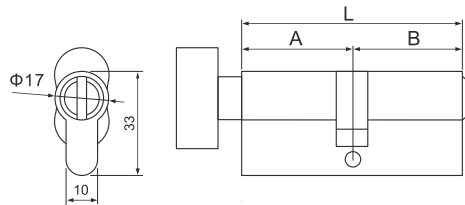
No	Door No	Stamping	Description	Area	Cylinder type	Qty	Key No	Key	Key No	Key	Key No	Key	Key No	Key	Key No	Key	Key No	Key
1	D001	A1	-----	Area A	Double cylinder	X	GMK		GMK		GMK		GMK		GMK		GMK	
2	D002	A2	-----	Area A	Knob cylinder	X	MK A	X	MK A		MK A		MK A		MK A		MK A	
3	D003	B1	-----	Area B	Half cylinder	X	A1		A1		A1		A1		A1		A1	
4	D004	B2	-----	Area B		X	A2		A2		A2		A2		A2		A2	
							MK B		MK B		MK B		MK B		MK B		MK B	
							B1		B1		B1		B1		B1		B1	
							B2		B2		B2		B2		B2		B2	

Double Profile Cylinder

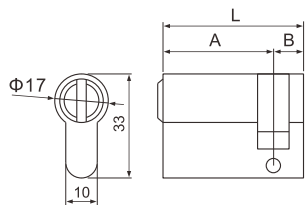


Size	
Section	Ø17*33*10mm
Length	L=A+B
Major Parts	
Cylinder housing	Brass
Cylinder plug	Brass
Cam	Sintered steel, R15*6.5
Movable detainer	Brass, 6pcs
Knob	Brass
Key	Brass / Cupronickel
Spring	SS 304
Certification (IFT, INTERTEK)	
Type	Double profile cylinder 60-95mm Knob profile cylinder 60-95mm Half profile cylinder 40-55mm
En1303 (Intertek)	1 6 0 B 0 C 6 0
Fire test (En1634-1)	Timber fire door: 60min

thumbturn Profile Cylinder



Half Profile Cylinder



DOOR HINGE



Standards and Certification
EN 1935:2002: Single-axis hinges

Durability

Hinges intended for use only on windows:

- Grade 3 : 10 000 cycles
- Grade 4 : 25 000 cycles

Hinges intended for use on doors:

- Grade 4 : 25 000 cycles
- Grade 7 : 200 000 cycles

Category of use

- Grade 1 - Light duty
- Grade 2 - Medium duty
- Grade 3 - Heavy duty
- Grade 4 - Severe duty

Corrosion resistance (EN1670)

- Grade 0 : No defined corrosion resistance
- Grade 1 : Mild resistance, 24 h
- Grade 2 : Moderate resistance, 48 h
- Grade 3 : High resistance, 96h
- Grade 4 : Very high resistance, 240 h

Hinge grade

Fourteen grades of hinge are identified,
As listed in Table 1



Test door mass

- Grade 0 : 10 kg; Grade 1 : 20 kg
- Grade 2 : 40 kg; Grade 3 : 60 kg
- Grade 4 : 80 kg; Grade 5 : 100 kg
- Grade 6 : 120 kg; Grade 7 : 160 kg

Security-Burglar-resistance

- Grade 0 : Not suitable for use on burglar-resistance door assemblies
- Grade 1 : Suitable for use on burglar-resistance door assemblies

Suitability for use on fire/smoke compartmentation doors

- Grade 0 : Not suitable for use on fire resistant and /or smoke control door assemblies
- Grade 1 : Suitable for use on fire/smoke resistant door assemblies

Safety

Only Grade 1 is identified

Table 1 -Classification summary

First digit			Second digit		Third digit		Fourth digit	Fifth digit	Sixth digit	Seventh digit	Eighth digit
Category of use			Durability test Cycles		Test door mass		Fire / smoke suitability	Safety	Corrosion resistance	Security	Hinge grade
Duty	Grade	For use on:	Grade	Number of Test cycles	Grade	Mass kg	Grades Available	Grades Available	Grades Available	Grades Available	Grade
Light	1	Window	3	10 000	0	10	0 or 1	1	0,1,2,3,4	0 or 1	1
Light	1	Window	3	10 000	1	20	0 or 1	1	0,1,2,3,4	0 or 1	2
Light	1	Window	4	25 000	1	20	0 or 1	1	0·1·2·3·4	0 or 1	3
Medium	2	Door	7	200 000	1	20	0 or 1	1	0,1,2,3,4	0 or 1	4
Light	1	Window	3	10 000	2	40	0 or 1	1	0,1,2,3,4	0 or 1	5
Light	1	Door or Window	4	25 000	2	40	0 or 1	1	0·1·2·3·4	0 or 1	6
Medium	2	Door	7	200 000	2	40	0 or 1	1	0,1,2,3,4	0 or 1	7
Light	1	Window	3	10 000	3	60	0 or 1	1	0,1,2,3,4	0 or 1	8
Light	1	Door or Window	4	25 000	3	60	0 or 1	1	0·1·2·3·4	0 or 1	9
Medium	2	Door	7	200 000	3	60	0 or 1	1	0,1,2,3,4	0 or 1	10
Heavy	3	Door	7	200 000	4	80	0 or 1	1	0,1,2,3,4	0 or 1	11
Severe	4	Door	7	200 000	5	100	0 or 1	1	0,1,2,3,4	0 or 1	12
Severe	4	Door	7	200 000	6	120	0 or 1	1	0,1,2,3,4	0 or 1	13
Severe	4	Door	7	200 000	7	160	0 or 1	1	0,1,2,3,4	0 or 1	14

CE Certificate (Single-axis Hinges)



CERTIFICATE OF CONSTANCY
OF PERFORMANCE

0905-CPR-221146-02

In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product(s)

Product(s):

Building hardware - Single-axis hinges - Requirements and test methods (refer to attached appendix for details and conditions)

Placed on the market under the name or trade mark of:

Shandong Hanrui Hardware Co., Ltd.
Bldg 10-116, No. 10 Jingshan Road, Zhifu District, Shandong Province, China
SG-22296

and produced in the manufacturing plant(s):

Intended use:

On fire/smoke compartmentation doors fitted with door closing devices (to enable such doors to close reliably and thus achieve self-closing in the event of fire)
This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard(s):
EN 1935:2002/AC:2003
Under System 1 for the performances set out in this certificate are applied and that the performance of the construction product fulfils all the prescribed requirements for these performances
This certificate replaces **0905-CPR-221146-01** first issued on **2022-09-22** and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performances of the declared essential characteristics, do not change, and the construction product, and the manufacturing conditions in the plant are not modified significantly, unless suspended or withdrawn by the product certification body
The issued document and statement(s) herein makes reference only to a presumption of conformity in accordance with the CPR Regulations EU 305/2011 (as amended). However, it is the manufacturer's or their authorised representative's sole responsibility to affix the CE logo and, by doing so, confirms full compliance and conformity to all other European mandatory directives and regulations that may also apply.



Signature:

Date: 2023-03-08

Name:

115965
Dipl.-Ing. Roland Heine

Issue: 02

Position: Certification Manager

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Tel.: +49 711 27311-0 E-Mail: nb0905@intertek.com Web: www.intertek.de/directory

115965

Page 1 of 4

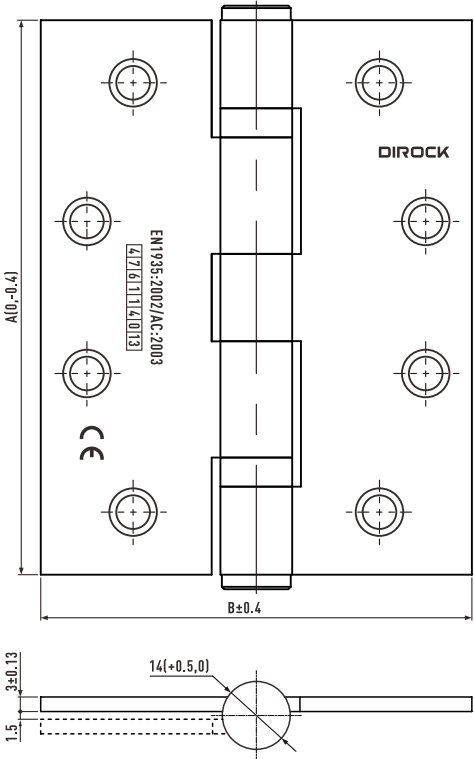
RFT-EU-NB-OP-23v5

Stainless Steel Hinge

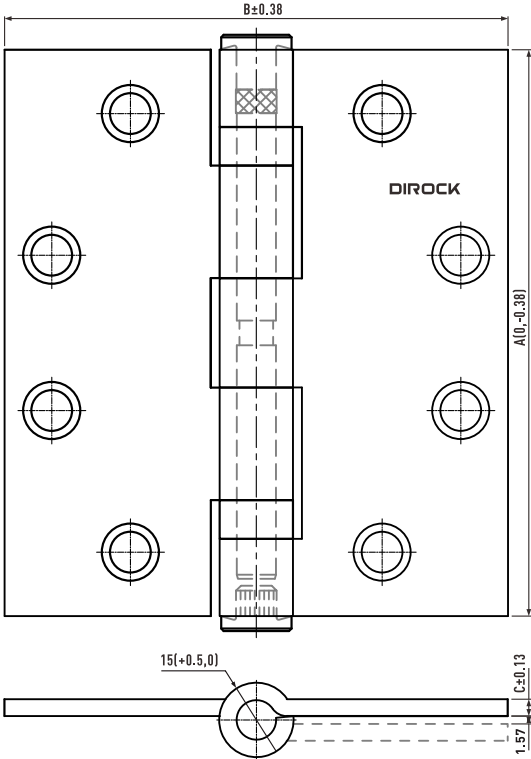


Major Parts	
Leaves	SS 304
Removable Pin	SS 201
Button Tip	SS 304
Plain ball Bearing	SS 304, 2pcs
Standard	
EN 1935, BS 7352	
Certification	
*CE (Warrington)	4 7 6 1 1 4 0 13
*CE (Intertek)	4 7 6 1 1 4 0 13
Fire test (En1634-1)	Steel fire door: *240mins Timber fire door: *30/*60/*90/*120mins

ANSI Stainless Steel Hinge



Specification	A (0,-0.4)	B (±0.4)	Thickness
*"4"*3"*3	101.6mm	76.2mm	3mm
*"4"*3.5"*3	101.6mm	88.9mm	3mm
*"4"*4"*3	101.6mm	101.6mm	3mm
"4.5"*3"*3	114.3mm	76.2mm	3mm
"4.5"*3.5"*3	114.3mm	88.9mm	3mm
"4.5"*4"*3	114.3mm	101.6mm	3mm
"4.5"*4.5"*3	114.3mm	114.3mm	3mm
"5"*3"*3	127mm	76.2mm	3mm
"5"*3.5"*3	127mm	88.9mm	3mm
"5"*4"*3	127mm	101.6mm	3mm
"5"*4.5"*3	127mm	114.3mm	3mm



Major Parts	
Leaves	SS 304
Non-rising loose pin Nonremovable pin(NRP)	SS 304
Button Tip	SS 304
Anti-friction bearing	SS 304, 2/4pcs
Standard	
ANSI/BHMA A156.1, ANSI/BHMA A156.7	

Specification	A (0,-0.38)	B (±0.38)	C (±0.13)	Bearing	Cycle test
4.5"*4"*3.4-2BB	114.3mm	101.6mm	3.4mm	2pcs	Grade 2
4.5"*4"*4.6-4BB	114.3mm	101.6mm	4.6mm	4pcs	Grade 1
4.5"*4.5"*4.6-4BB	114.3mm	114.3mm	4.6mm	4pcs	Grade 1
5"*4"*4.8-4BB	127mm	101.6mm	4.8mm	4pcs	Grade 1
5"*4.5"*4.8-4BB	127mm	114.3mm	4.8mm	4pcs	Grade 1

DOOR CLOSER



Door Closer applicable for

- Width of door: not more than 1600mm
- Weight of door: under 200kg
- Opening angle: most extension 180°
- Type of door: House door, fire door, Security door, etc

Choose the door closer model: according to the door weight and width

Power Size	Door Weight(kg)	Door Width(mm)	Instance
1	15 ~ 30	< 750	Rest room door
2	25 ~ 45	850	Office door, fire door
3	40 ~ 65	950	Steel security door, meeting room door
4	60 ~ 85	1100	Steel security door
5	80 ~ 120	1250	Heavy steel security door
6	100 ~ 150	1400	Heavy steel security door
7	120 ~ 180	1600	Heavy strong door, garage door, large special door

Features of the door closer include:

- Built-in hold function: stops at 75° angle.
- Dual valves for separate control of closing and latching speeds.
- Two-speed valves: closing speed valve ranges from 180° to 15°, while latching speed valve ranges from 15° to 0°.
- Back check function: provides temporary resistance between 70° and maximum opening angle during door opening cycle, helping prevent damage to the door or wall in case of excessive force.

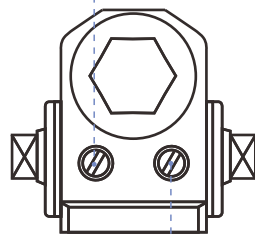


Delay Action: an additional adjustment to delay the door closing from maximum opening to approximately 65°, providing convenience for individuals with disabilities and the elderly



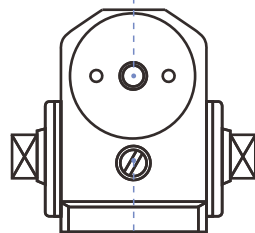
Barrier Free: designed to meet ADA regulations with reduced spring power for easier opening by the handicapped and elderly."

Latching speed adjustable



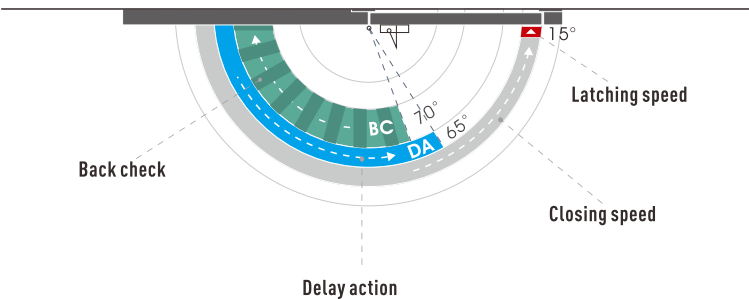
Closing speed adjustable

Power adjustable value



Back check

The function angles



* Power adjustable valve:
- Clockwise: increase power
- Counterclockwise: decrease power



CERTIFICATE OF CONSTANCY OF PERFORMANCE

0905-CPR-241123-01

In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product(s)

Product(s):	Building hardware - Controlled door closing devices - Requirements and test methods (refer to attached appendix for details and conditions)
Placed on the market under the name or trade mark of:	Shandong Hanrui Hardware Co., Ltd.
and produced in the	Bldg 10-116, No.10 Jingshan Road, Zhifu District, Yantai City, Shandong Province, China SG-15462

Intended use: On fire and smoke compartmentation doors (to fulfil the self-closing requirements of such doors)

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard(s):

EN 1154:1996+A1:2002+AC:2006

Under System 1 for the performances set out in this certificate are applied and that the performance of the construction product fulfils all the prescribed requirements for these performances

This certificate was first issued on **2024-12-06** and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performances of the declared essential characteristics, do not change, and the construction product, and the manufacturing conditions in the plant are not modified significantly, unless suspended or withdrawn by the product certification body

The issued document and statement(s) herein makes reference only to a presumption of conformity in accordance with the CPR Regulations EU 305/2010(as amended). However, it is the manufacturer's or their authorised representative's sole responsibility to affix the CE logo and, by doing so, confirms full compliance and conformity to all other European mandatory directives and regulations that may also apply.



0905

Signature:

Name:

Dipl.-Ing. Roland Heine

Date: 2024-12-06

Issue: 01

Position: Certification Manager

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RFT-EU-NB-OP-23v5



204SL

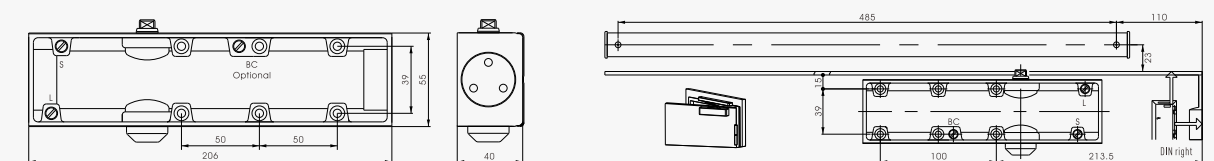


Door Closer: 204

Features of the door closer include:

- Adjustable closing and latching speed
- European-style designed heavy-duty closer for commercial use
- Die-cast aluminum body and steel scissors arm, with optional slide track arm
- Two-speed valves on the front of the door closer body, hidden under a slide cover
- Power adjustable positions #2, #3, #4
- Optional back check
- Suitable for single action doors up to 1100mm in size

DIMENSION



Item No	Door width _(max,mm)	Door Weight _(kg)	Power Size
204	1100	25 - 85	Fixed size 2 - 4
204BC	1100	25 - 85	Fixed size 2 - 4
204SL	950	25 - 65	Fixed size 3
204BC SL	950	25 - 65	Fixed size 3

The power size of 204SL with slida arm will be reduced to size 3.2

CROSS-REFERENCES

DIROCK	ASSA ABLOY	GEZE
204	DC140	TS2000

* The data represents our judgment of the most similar products, but it is not guaranteed that any specific product exactly equals another due to natural variations

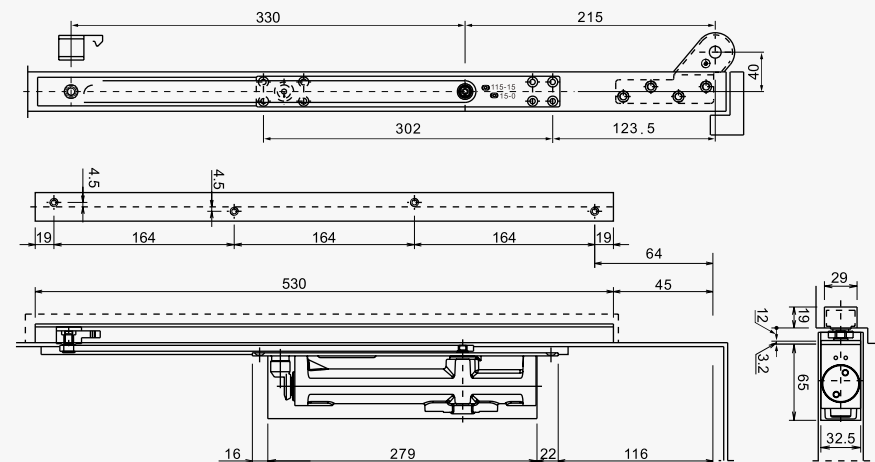


Door Closer: CD60

Features of the door closer include:

- Cast iron body for high strength and last longer cycles
- Closer spring power adjustable, EN size 2-4
- Cam action technology provides high efficiency, and easy open, safe and reliable closing power for door application
- Non handed design is suitable for all applications
- Closing speed valve controls the door closer from fully open to 15° closed position
- Latching speed valve controls the speed of door from 15° -0° close position
- Hold open or Non hold open function available on every closer

DIMENSION



Item No	Closing force	Door Weight _(max)	Door Width _(max)	Remarks
CD60	EN2-EN4	100kg	1100mm	Door opening 105°



Optional



Door Closer: 500

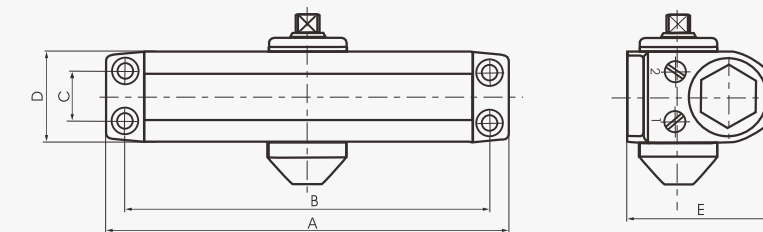
Features of the door closer include:

- Endurance is guaranteed for 500,000 cycles
- Two separate valves adjustable closing & latching speed
- Work temperature -30°C to 60°C, ❄️ Optional anti-freeze oil: suit for -45°C temperature
- Installation in various ways: standard, top-jamb or parallel arm installation.

Optional items:

- **D:** Built-in hold-open type include: 502D / 503D
- **C:** Decorative ABS cover available for 502 / 503 / 504, Steel cover available for 502 / 504
- **PA:** Parallel arm bracket: When installed with parallel arm, it will reduce the power size

DIMENSION



Item No	Dimension(mm)					Door width(mm)	Door Weight(kg)
	A	B	C	D	E		
502	186	168	19	44.5	67	850	25 - 45
503	223	206	19	44.5	72	950	40 - 65
504	248	230	19	44.5	72	1100	60 - 85
505	248	230	19	44.5	72	1250	80 - 120

CROSS-REFERENCES

DIROCK	NORTON	CORBIN	DORMA	LCN	RUSSWIN	YALE	TAYMOR	PARKER
500	1600	100	TS77 & MA200	1050	2800	50	9500 / 60	500

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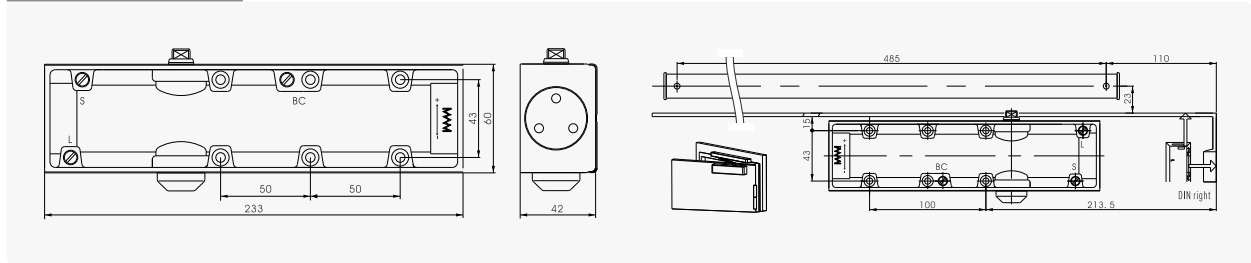


Door Closer: 2025

Features of the door closer include:

- Adjustable closing and latching speed
- European-style designed heavy-duty closer for commercial use
- Two-speed valves & back check valve on the front of door closer body, hidden under a slide cover
- Power adjustable #2, #3, #4, #5 by spring
- For single action doors max 1250mm

DIMENSION



Item No	Door width(max,mm)	Door Weight(kg)	Power Size
2025BC	1250	20 - 120	Multi size 2 - 5
2025BC SL	1100	15 - 80	Multi size 1 - 4

The power size of 2025SL with slide arm will be reduced to size 1-4

CROSS-REFERENCES

DIROCK	ASSA ABLOY	RYOBI
2025	DC130	TS73

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Door Closer: 600

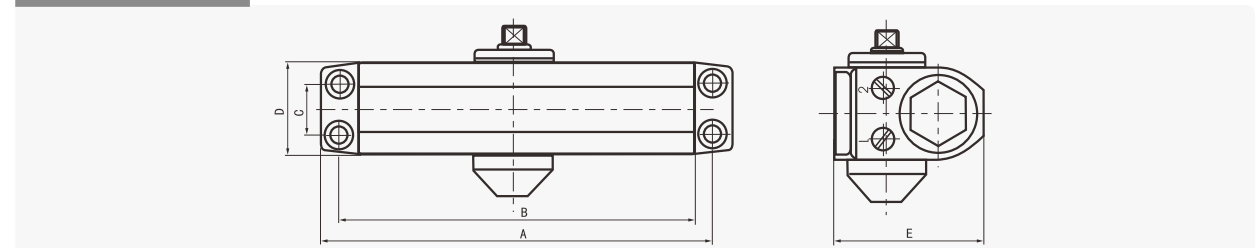
Features of the door closer include:

- Budget style.
- Equipped with a heavy duty rack and pinion mechanism, as well as a high strength cast aluminum body.
- Two separate valves adjustable closing & latching speed.
- Working temperature range: -30°C to 60°C.
- Installation in various ways: standard, top-jamb or parallel arm installation.(P.A bracket can be provided upon request.)

Optional items:

- **D:** Built-in hold-open type include: 601D / 602D / 603D / 632D / 643D.
- **C:** Decorative PVC or steel cover available for 603 / 632 only.
- **PA:** Parallel arm bracket.

DIMENSION



Item No	Dimension(mm)					Door width(mm)	Door Weight(kg)
	A	B	C	D	E		
601	148	132	20	37	57.5	<750	15 - 30
602	148	132	20	37	57.5	850	25 - 45
632	186	168	19	44.5	67	850	25 - 45
603	186	168	19	44.5	67	950	40 - 65
643	223	206	19	44.5	72.5	950	40 - 65
604	223	206	19	44.5	72.5	1100	60 - 85
605	248	230	19	44.5	72.5	1250	80 - 120

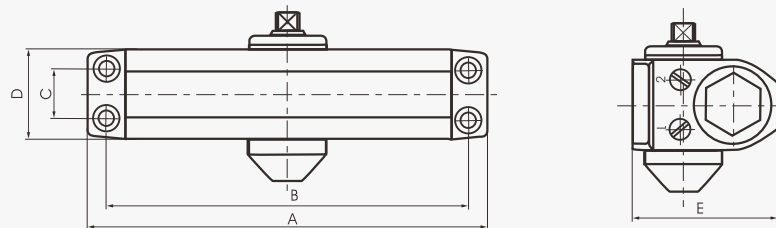


Door Closer: 500BC

Features of the door closer include:

- Endurance is guaranteed for 500,000 cycles
- Two separate valves adjustable closing & latching speed
- Standard back check function
- Installation in various ways: standard, top-jamb or parallel arm installation.

DIMENSION



* WITH BACK CHECK FUNCTION: This type is recommended for fire doors

Item No	Dimension(mm)					Door width(mm)	Door Weight(kg)
	A	B	C	D	E		
523BC	186	168	19	44.5	67	950	40 - 65
503BC	223	206	19	44.5	72	950	40 - 65
534BC	223	206	19	44.5	72	1100	60 - 85
543BC	248	230	19	44.5	72	950	40 - 65
504BC	248	230	19	44.5	72	1100	60 - 85
505BC	248	230	19	44.5	72	1250	80 - 120



Optional

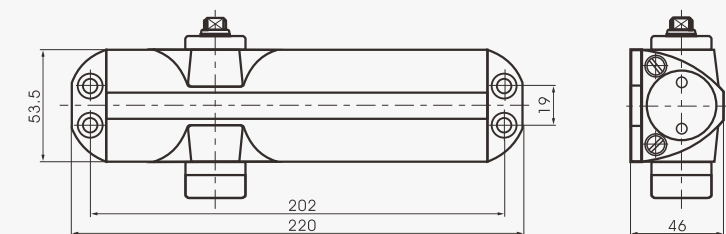


Door Closer: 3300

Features of the door closer include:

- A trigonal design in a compact body.
- Adjustable force of 2-3-4 by changing the installation position.
- High quality cast aluminum alloy case.
- Universal application: P.A bracket will be provided upon request.
- Easy and fast installation with mounting.

DIMENSION

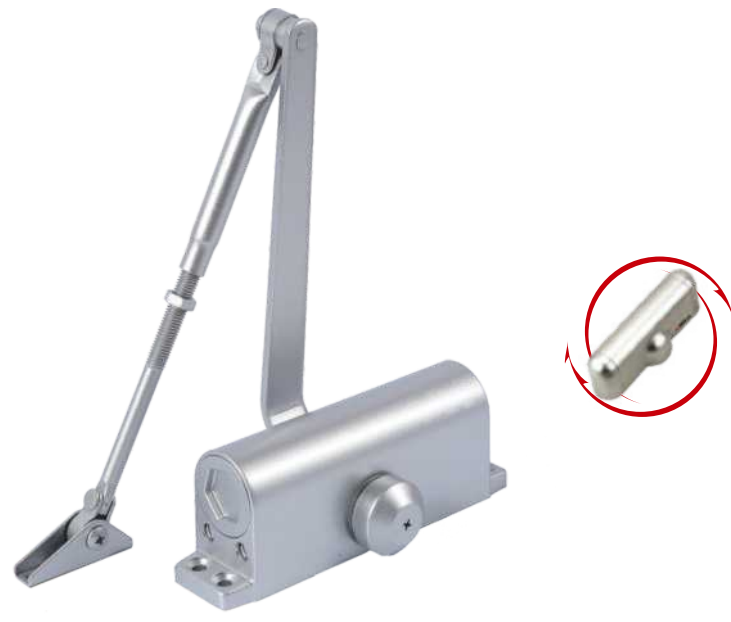


Item No	Door width(max,mm)	Door Weight(kg)	Power Size
3303	1000	25 - 80	Size 2-3-4 by position
3303SL	850	25 - 45	Fixed size 2

CROSS-REFERENCES

DIROCK	YALE	GEZE	DORMA
3303	2234	TS1000	TS68

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Door Closer: 700

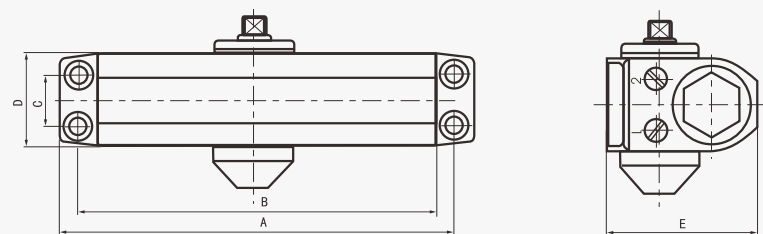
Features of the door closer include:

- Suitable for both commercial & residential use.
- Equipped with a heavy duty rack and pinion mechanism, as well as a high strength cast aluminum body.
- Two separate valves adjustable closing & latching speed.
- Working temperature range: -30°C to 60°C.
- Installation in various ways: standard, top-jamb or parallel arm installation. (P.A bracket can be provided upon request.)

Optional items:

- **C:** Decorative PVC cover available for 701 only.
- **PA:** Parallel arm bracket.
- **BC:** Optional back check for size 3,4,5

DIMENSION



Item No	Dimension(mm)					Door width(mm)	Door Weight(kg)
	A	B	C	D	E		
701	179	162-165	19	41	65	< 750	15 - 30
702	186	168	19	44.5	67	850	25 - 45
703	223	206	19	44.5	67	950	40 - 65
704	248	230	19	44.5	70	1100	60 - 85
705	248	230	19	44.5	70	1250	80 - 120

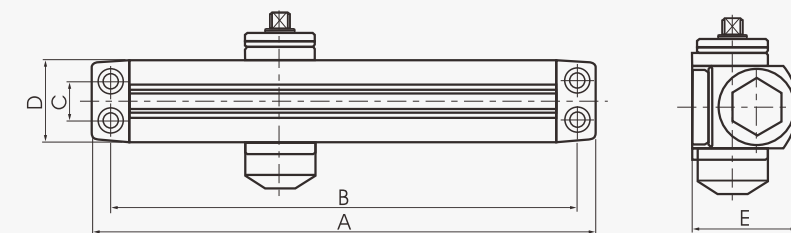


Door Closer: 9000

Features of the door closer include:

- Heavy duty for commercial doors.
- Endurance is guaranteed for 500,000 cycles.
- Precise cast aluminum body and steel arm, sliding track arm optional.
- Two separate valves adjustable closing & latching speed.
- Standard adjustable back-check and delay action function.
- Precision heavy duty rack (piston) and pinion gear, needle bearing.

DIMENSION



Item No	Dimension(mm)					Door width (max,mm)	Door Weight(kg)	Power size
	A	B	C	D	E			
9024BCDA	248	230	19	42	52	1100	25 - 85	Multi size 2-4
9036BCDA	297	280	19	47	57	1400	45 - 120	Multi size 3-6
907BCDA	297	280	19	47	57	1600	120 - 180	Size 7

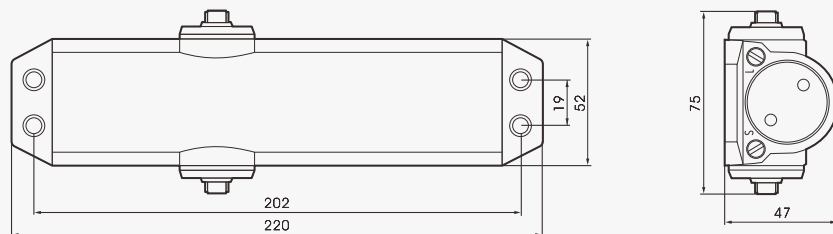


Door Closer: 3234

Features of the door closer include:

- Hydraulic door closer with a rack and pinion mechanism.
- High quality cast aluminum alloy case.
- Detachable arm and internal components made of high quality steel.
- Force EN 2 - EN 3 - EN 4, depending on the installation position.
- Adjustable closing and latch speed, with a standard back check function needle latching.

DIMENSION



Item No	Door width(max,mm)	Door Weight(kg)	Power Size
3234BC	1100	25 - 80	Size 2-3-4 by position

CROSS-REFERENCES

DIROCK	YALE	GEZE	DORMA
3234BC	2234	TS1000	TS68

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