



Architectural Hardware Solutions

Our Journey

We have been innovating reliable locking opening solutions since 1945



1945

Establishment of an iron accessories workshop



1958

Manufacturing of locks



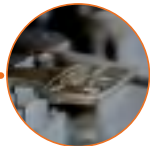
1975

Portfolio expansion to mortise locks



1990

- Factory relocation: 10th of Ramadan City
- Factory expansion: Over 20,000 m²



1986

Partnership with Int'l brands



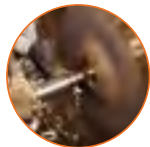
1978

Manufacturing automation



1995

Launch of Masterkey locking solution



2005

Opening of 2nd factory



2012

Expansion to higher security locks



Smart Locks

2020

- Int'l partnership
- Smart locks development
- Portfolio expansion to hinges



2019

Opening of 3rd factory specialized in handles



2016

Innovation focus/ state of the art R&D + QC lab



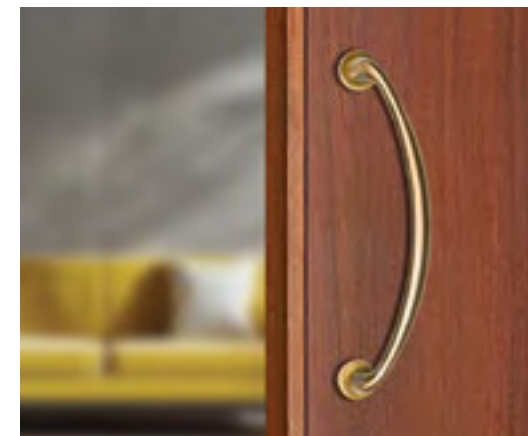
2021

Full range of Opening Solutions



2022

Fire resistance & CE Certified products



“GIVING YOU THE POWER TO PROTECT WHAT MATTERS”

Our mission is to give you the power to protect what matters, as we believe that everyone and everything of value deserves to be kept secure, without compromise.

Over the years, ASG expanded its production to cover a wider range of door accessories and locking systems. ASG also partnered with global brands to further avail premium tiers of electronic door locks and high-security mechanical solutions. This played a crucial role in developing the group to become the leading brand with +40% in the Egyptian market, and a competitive player on the global scene.

Companies



Tourism



Education



Hospitals



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Door Handles



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EN 1906:2012 is the European standard for door handles and knobs

EN 1906:2012 is the European standard covering the performance requirements and test methods (i.e. durability, static strength, operating torque, corrosion, safety, etc.) for sprung and unsprung lever handles and knobs for doors on backplates or roses. It applies only to lever handles and knobs that operate a lock or latch.
The standard has 4 grades of performance, Compliance with the standard ensures a margin of strength more than that needed for normal operation.
The standard has additional grade for safety requirements where a high risk of failing exists.

1. Category of Use

- 1: Medium frequency of use by people with a high incentive to exercise care and small chance of misuse.
- 2: Medium frequency of use by people with some incentive to exercise care but there is some chance of misuse.
- 3: High frequency of use by public or others with little incentive to exercise care and with a high chance of misuse.
- 4: High frequency of use on doors which are subject to frequent violent use.

3. Door Mass & Closing Force

No requirement

5. Safety

Grade 0: Normal use
Grade 1: Safety application – to qualify for this grade, handles must have high strength handle to plate and plate to door fixing, and/or handle to spindle fixing, such that they would withstand a person grabbing in order to prevent falling

7. Security

- 0: Not approved for use on burglary resistant doors.
- 1: Mild burglary resistance.
- 2: Moderate burglary resistance.
- 3: High burglary resistance.
- 4: Extra high burglary resistance.

4
1 - 4

7
6-7

-
-

B1
0-D1

1
0-1

4
0 - 5

0
0 - 4

B
A - U

2. Durability

Grade 6: Medium use – 100,000 cycles
Grade 7:High use – 200,000 cycles

4. Fire Resistance

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


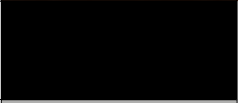
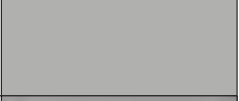
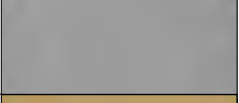
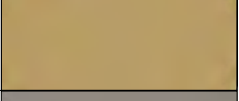
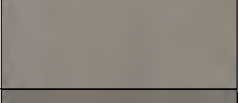

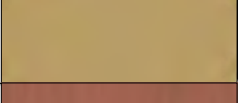
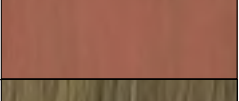
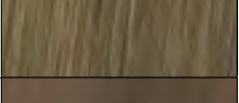
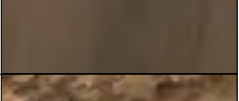
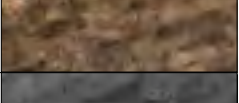
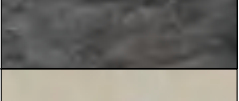
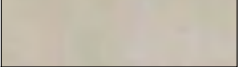
6. Corrosion Resistance

- 0: No defined corrosion resistance
- 1: Mild resistance – minimum requirement for internal use.
- 2: Moderate resistance.
- 3: High resistance – minimum resistance for external use.
- 4: Very high resistance- recommended for use in exposed marine atmospheres or very polluted industrial environments.
- 5: Extremely high resistance

8. Type of operation

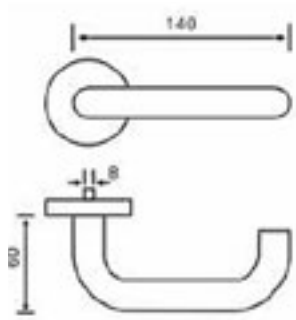
Type A: Spring assisted furniture
Type B: Spring loaded furniture
Type U: Un-sprung furniture

Finishing Type

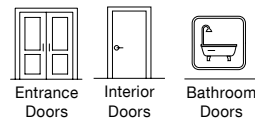
Rose Gold	
Black	
Bright Chrome	
Satin Chrome	
Satin Gold	
Satin Nickel	
Antique Nickel	
Gold	
Antique Copper	
Satin Antique Gold	
Antique Bronze	
Rustic Gold	
Rustic Nickel	
Bright Nickel	

* All finishes are available in all the handles subject to minimum order quantity

SS01-D19



Usage Applications



Standard Finishes

Satin Stainless Steel
Other finishes upon request

Material

Stainless Steel
Certified EN 1906:2012

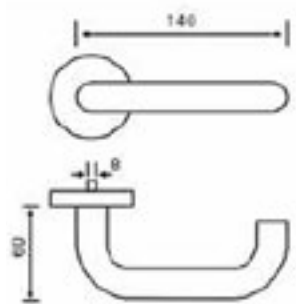
4	7	-	B1	1	4	0	B
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Protection against

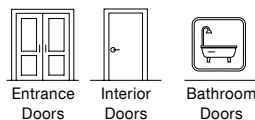
Fire Corrosion



SS01-D22



Usage Applications



Standard Finishes

Satin Stainless Steel
Other finishes upon request

Material

Stainless Steel
Certified EN 1906:2012

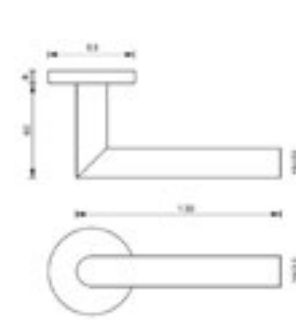
4	7	-	B1	1	4	0	B
---	---	---	----	---	---	---	---

Protection against

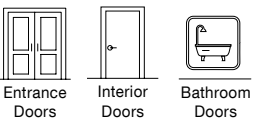
Fire Corrosion



SS02



Usage Applications



Standard Finishes

Satin Stainless Steel
Other finishes upon request

Material

Stainless Steel
Certified EN 1906:2012

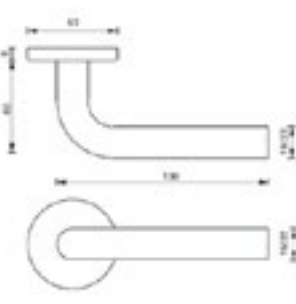
4	7	-	B1	1	4	0	B
---	---	---	----	---	---	---	---

Protection against

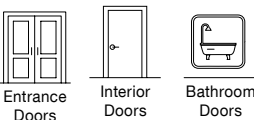
Fire Corrosion



SS03



Usage Applications



Standard Finishes

Satin Stainless Steel
Other finishes upon request

Material

Stainless Steel
Certified EN 1906:2012

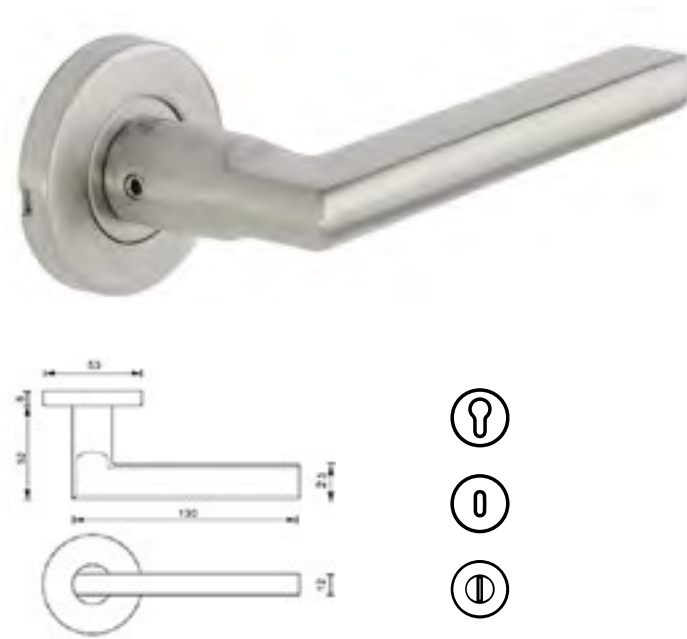
4	7	-	B1	1	4	0	B
---	---	---	----	---	---	---	---

Protection against

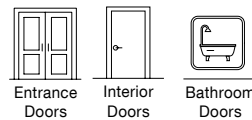
Fire Corrosion



SS04



Usage Applications



Standard Finishes

Satin Stainless Steel
Other finishes upon request

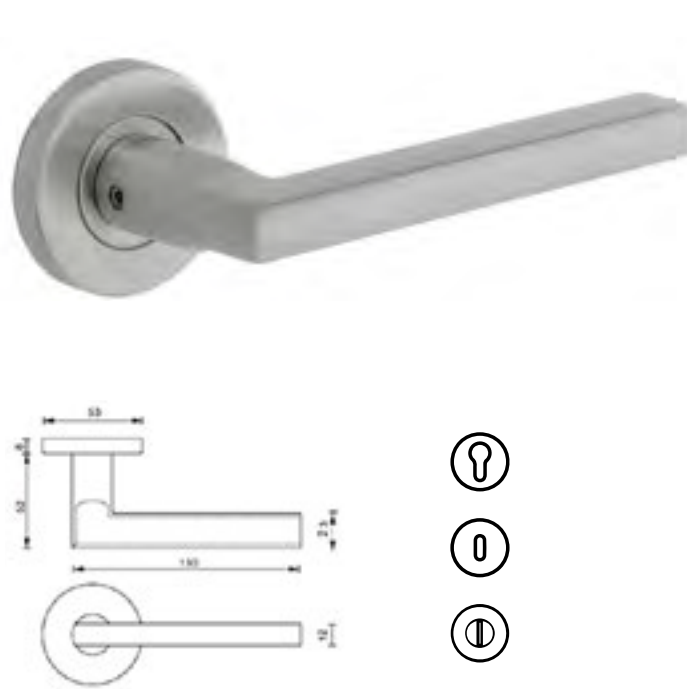
Material

Stainless Steel
Certified EN 1906:2012
4 7 - B1 1 4 0 B

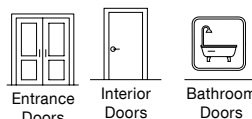
Protection against



SSS01



Usage Applications



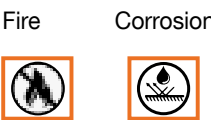
Standard Finishes

Satin Stainless Steel
Other finishes upon request

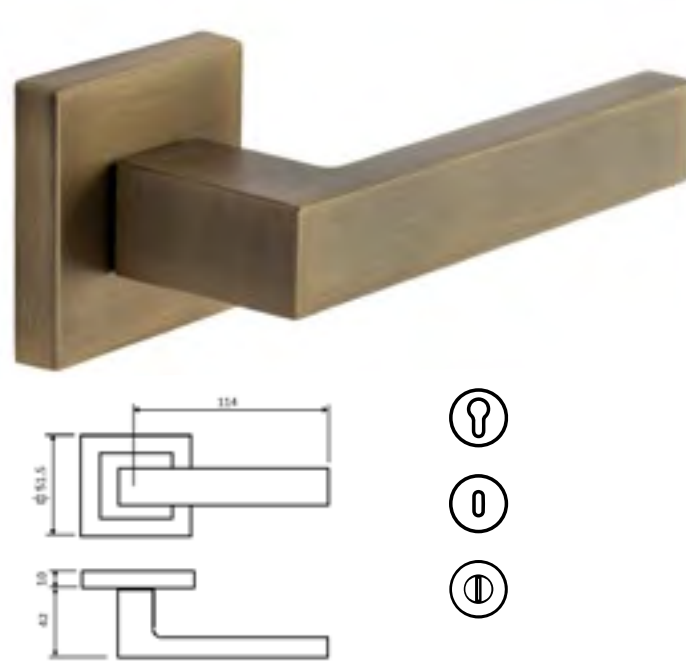
Material

Stainless Steel
Certified EN 1906:2012
4 7 - B1 1 4 0 B

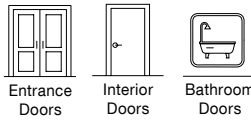
Protection against



YORK FH2141



Usage Applications



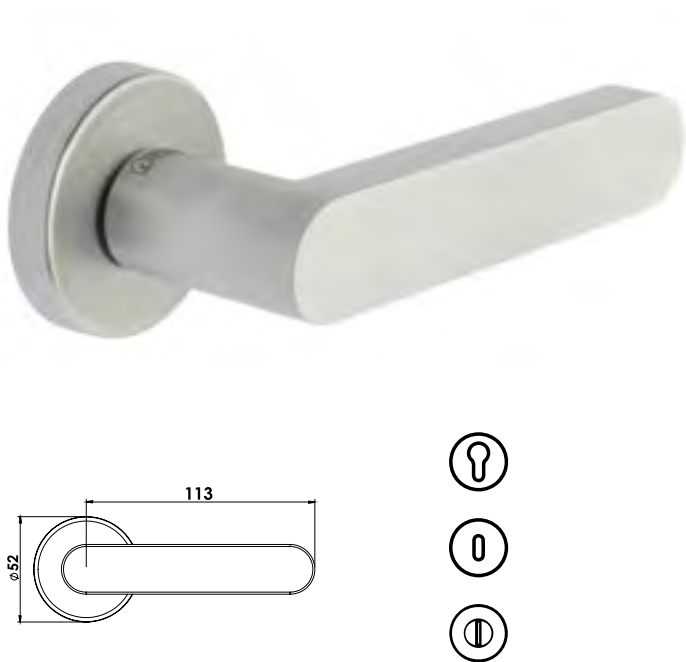
Standard Finishes

Satin Chrome
Satin Nickel
Bright Chrome
Satin Gold
Black
Rose Gold
Gold
Antique Bronze
Satin Antique Gold
Other finishes upon request

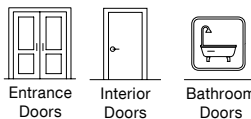
Material

Zinc Alloy

GIRO FH2921



Usage Applications



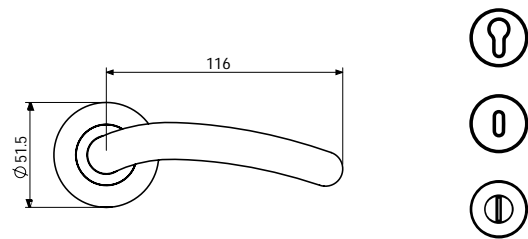
Standard Finishes

Satin Chrome
Satin Nickel
Bright Chrome
Black
Gold
Antique Bronze
Other finishes upon request

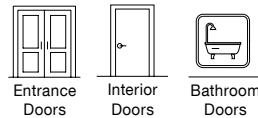
Material

Zinc Alloy

ALLEGRA FH1421



Usage Applications



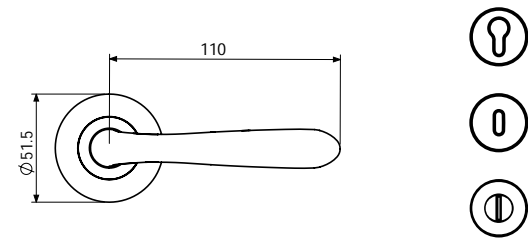
Standard Finishes

- Satin Chrome
- Satin Nickel
- Bright Chrome
- Satin Gold
- Black
- Rose Gold
- Gold
- Antique Bronze
- Satin Antique Gold
- Other finishes upon request

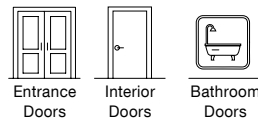
Material

Zinc Alloy

BELLE FH1561



Usage Applications



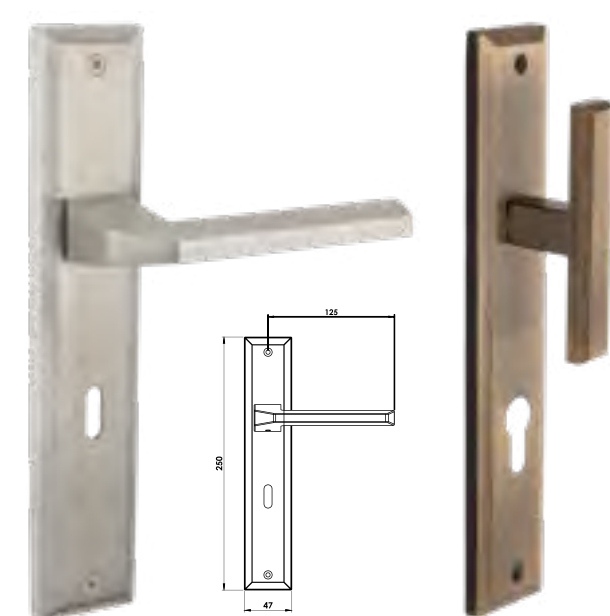
Standard Finishes

- Satin Chrome
- Satin Nickel
- Bright Chrome
- Gold
- Satin Gold
- Antique Bronze
- Antique Nickel
- Black
- Rose Gold
- Other finishes upon request

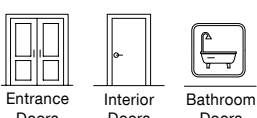
Material

Zinc Alloy

FLOW



Usage Applications



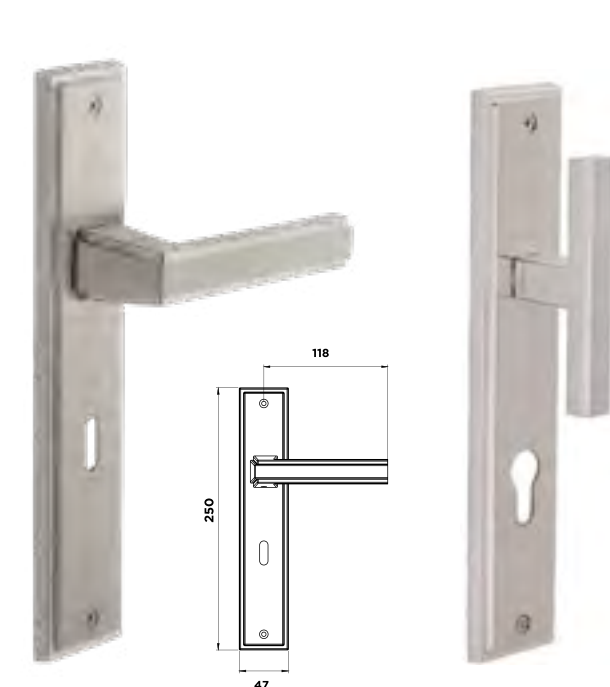
Standard Finishes

- Satin Nickel
- Bright Nickel
- Gold
- Antique Bronze
- Antique Copper
- Satin Chrome
- Other finishes upon request

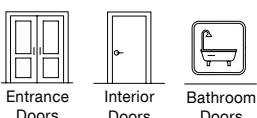
Material

Zinc Alloy

STEP



Usage Applications



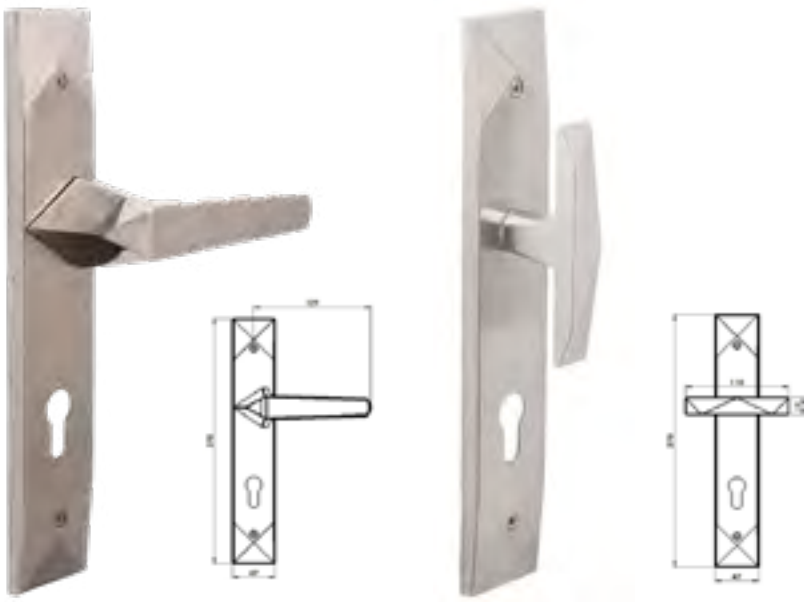
Standard Finishes

- Satin Nickel
- Bright Nickel
- Gold
- Antique Bronze
- Antique Copper
- Satin Antique Gold
- Other finishes upon request

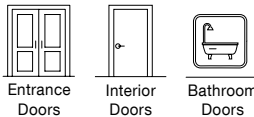
Material

Zinc Alloy

JEWEL



Usage Applications



Standard Finishes

Satin Nickel
Bright Nickel
Gold
Antique Bronze
Antique Copper
Satin Chrome
Other finishes upon request

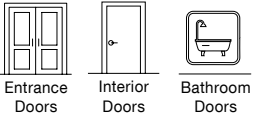
Material

Zinc Alloy

YORK FH2141



Usage Applications



Standard Finishes

Satin Chrome
Satin Nickel
Bright Chrome
Satin Gold
Black
Rose Gold
Gold
Antique Bronze
Satin Antique Gold
Other finishes upon request

Material

Zinc Alloy

700



Usage Applications



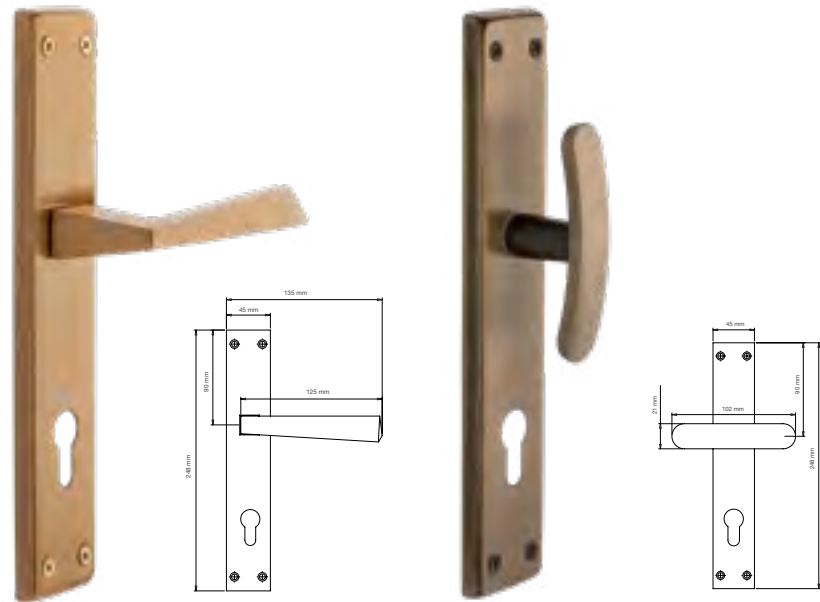
Standard Finishes

Satin Nickel
Satin Chrome
Stain Gold
Antique Gold
Antique Bronze
Other finishes upon request

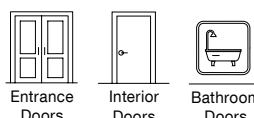
Material

Aluminum

701



Usage Applications



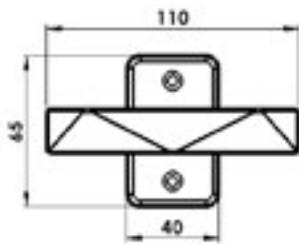
Standard Finishes

Satin Nickel
Satin Chrome
Stain Gold
Antique Gold
Antique Bronze
Other finishes upon request

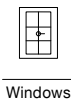
Material

Aluminum

JEWEL FH2002



Usage Applications



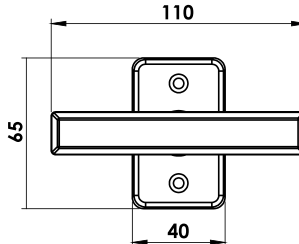
Standard Finishes

- Satin Nickel
- Bright Nickel
- Gold
- Antique Bronze
- Antique Copper
- Other finishes upon request

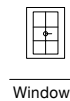
Material

Zinc Alloy

FLOW FH2012



Usage Applications



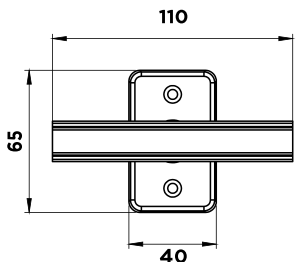
Standard Finishes

- Satin Nickel
- Bright Nickel
- Gold
- Antique Bronze
- Antique Copper
- Satin Antique Gold
- Other finishes upon request

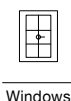
Material

Zinc Alloy

STEP FH2022



Usage Applications



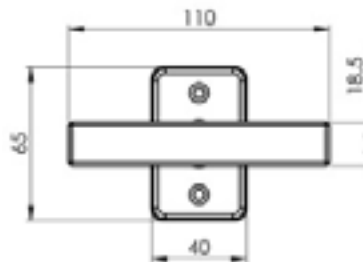
Standard Finishes

- Satin Nickel
- Bright Nickel
- Gold
- Antique Bronze
- Antique Copper
- Satin Antique Gold
- Other finishes upon request

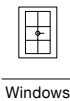
Material

Zinc Alloy

YORK FH2142



Usage Applications



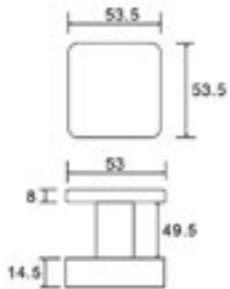
Standard Finishes

- Satin Chrome
- Satin Nickel
- Bright Chrome
- Satin Gold
- Black
- Rose Gold
- Gold
- Antique Bronze
- Satin Antique Gold
- Other finishes upon request

Material

Zinc Alloy

DFK-01



Usage Applications



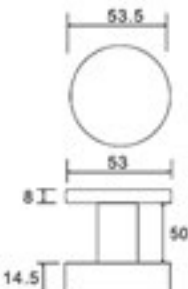
Standard Finishes

Satin Stainless Steel
Other finishes upon request

Material

Stainless Steel

DFK-03



Usage Applications



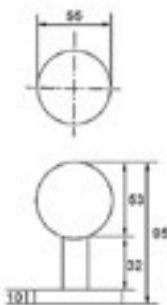
Standard Finishes

Satin Stainless Steel
Other finishes upon request

Material

Stainless Steel

DFK-02



Usage Applications



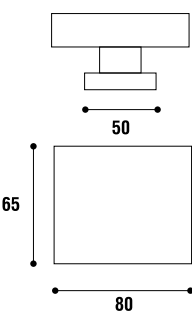
Standard Finishes

Satin Stainless Steel
Other finishes upon request

Material

Stainless Steel

YORK FK5032



Usage Applications



Standard Finishes

Satin Chrome
Satin Nickel
Bright Chrome
Gold
Satin Gold
Black
Other finishes upon request

Material

Zinc Alloy

Single H Pull Handle Back Fixing
PH-02



Length	C / C	Size	Material
450mm	300mm	32 x 450	Stainless Steel 304
600mm	300mm	32 x 600	Stainless Steel 304

Standard Finishes :
Satin Stainless Steel
Other finishes upon request

Pull Handles on Plates Stainless Steel
PPP-01

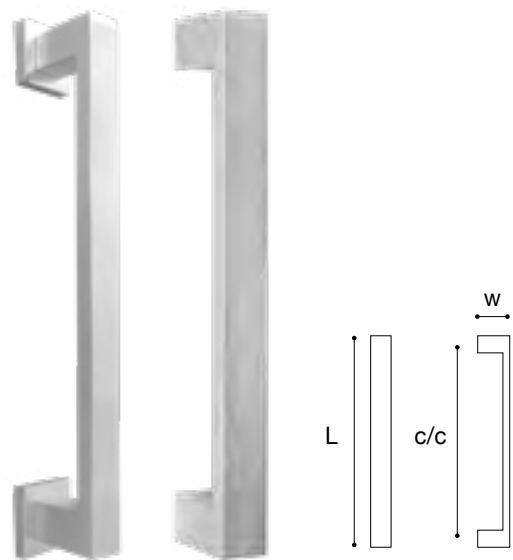


Material	Size
Stainless Steel 304	300 x 100 x 1.5mm
Stainless Steel 304	400 x 100 x 1.5mm

Available engraved with Arabic / English

Standard Finishes :
Satin Stainless Steel

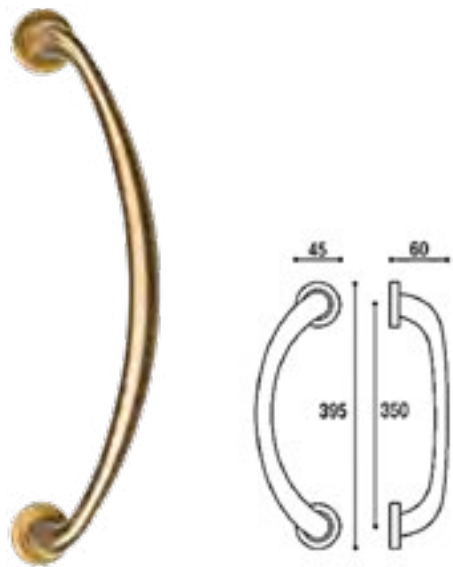
YORK BAR
FK5022 & FK5012



Model	Length (L)	C / C	Size (w)	Material
FK5012	230 mm	210 mm	45 x 230	Zinc Alloy
FK5022	400 mm	370 mm	70 x 400	Zinc Alloy

Standard Finishes :
Satin Nickel
Bright Nickel
Antique Bronze
Satin Chrome
Other finishes upon request

SHARK BAR
FK5002



Length	C / C	Size	Material
230 mm	210mm	45 x 230	Zinc Alloy

Standard Finishes :
Satin Nickel
Bright Nickel
Antique Bronze
Satin Chrome
Other finishes upon request

EN 12209:2016 is the European standard for door locks

EN 12209:2016 Is the European standard for mechanically operated locks and latches and their locking plates. This European Standard specifies requirements and test methods for durability, strength, security, corrosion resistance and function of mechanically operated locks and latches and their locking plates for use in doors, window doors and entrance doors in buildings. Locks, latches and their locking plates used in fire resistant and/or smoke control door assemblies require additional attributes in order to comply with the Essential Requirement "Safety in case of fire" either independently or as a part of a complete assembly, This standard has 8 digits of classification coding system. Each digit refers to a particular feature of the product measured against the standard's performance requirements

1. Category of Use

- 1: User has high incentive to exercise care and small chance of misuse, e.g. residential doors.
- 2: User has some incentive to exercise care but there is some chance of misuse, e.g. office doors.
- 3: User has little incentive to exercise care but there is a high chance of misuse, e.g. doors in public buildings.

3. Door Mass & Closing Force

Grade	0	1	2	3	4	5	6	7	8	9
Closing force (N)	NO LATCH	50	50	50	25	25	25	15	15	15
Door mass(kg)	-	<100	<200	>200	<100	<200	>200	<100	<200	>200

5. Safety

- Only one grade of safety is identified.
- 0: no safety requirement.

7. Security

- 0: No security requirement.
- 1: Minimum security and no drill resistance
- 2: Low security and no drill resistance
- 3: Medium security and no drill resistance
- 4: High security and no drill resistance
- 5: High security with drill resistance
- 6: Very high security and no drill resistance
- 7: Very high security with drill resistance

* Foc CE mark product, standard will be EN 12209 : 2003 and contains 11 digits.

3
1 - 3
X
A - X
8
0 - 9
B
0 - N
0
0
G
0 - G
4
0 - 7
0
0 - H

2. Durability

- A: 50 000 test cycles; for locks without latchbolt
- B: 100 000 test cycles; for locks without latchbolt
- C: 200 000 test cycles; for locks without latchbolt
- L: 100 000 test cycles; 25 N force on latch bolt
- M: 200 000 test cycles; 25N force on latch bolt
- R: 100 000 test cycles; 50 N force on latch bolt
- S: 200 000 test cycles; 50 N force on latch bolt
- W: 100 000 test cycles; 120 N force on latch bolt
- X: 200 000 test cycles; 120 N force on latch bolt

4. Fire Resistance

- 0: Not verified for use on fire/smoke control doors
- A: Suitable for use on smoke control doors based on a test in accordance with EN 1634-3
- B: Suitable for use on smoke control and fire resisting doors in accordance with EN 1364-1 or 2 where latch is used to keep door in closed position
- N: Suitable for use on smoke control and fire resisting doors in accordance with EN 1364-1 or 2 where the lock does not contribute to keeping door in closed position

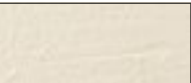
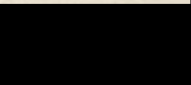

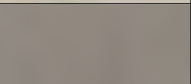

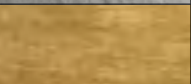
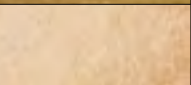
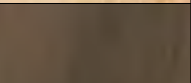

6. Corrosion Resistance

	Units	Grade					
		0	A	C	D	F	G
Time exposed to NSS	hrs	0	24	96	240	96	240
Temperature range	°c	-	-	-	-	-10/+60	-10/+60

8. Key Identification requirements of lever lock

- 0: No security requirement.
- A: Minimum three detaining elements
- B: Minimum five detaining elements
- C: Minimum five detaining elements, extended number of effective differs
- D: Minimum six detaining elements
- E: Minimum six detaining elements, extended number of effective differs.
- F: Minimum seven detaining elements
- G: Minimum seven detaining elements, extended number of effective differs
- H: Minimum eight detaining elements, extended number of effective differs

Finishing Type

Beige	
Black	
Bright Nickel	
Satin Nickel	
Nickel Chrome	
Bright Brass	
Satin Brass	
Antique Bronze	
Satin Stainless Steel	

* All finishes are available in all the door locks subject to minimum order quantity.

ME-26

Mortise Sashlock "Fire Resistance"

- Provides very high level of security and durability
- Stainless steel SS304 deadbolt, latch bolt and faceplate
- Center Distance: 85 mm
- Backset : 55 mm
- Deadbolt: 43.5mm, 2 turns
- Faceplate: Sharp or Round stainless steel
- Lever follower: 8 X 8 mm
- Reversible latch bolt
- Design acc. to standard ES 5454:2020 & EN 12209:2016
- Classification Grade

3	X	4	B	0	G	3	0
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Standard Finishes for face plate:

Satin Stainless Steel
Other finishes upon request.

Protection against



ME-31

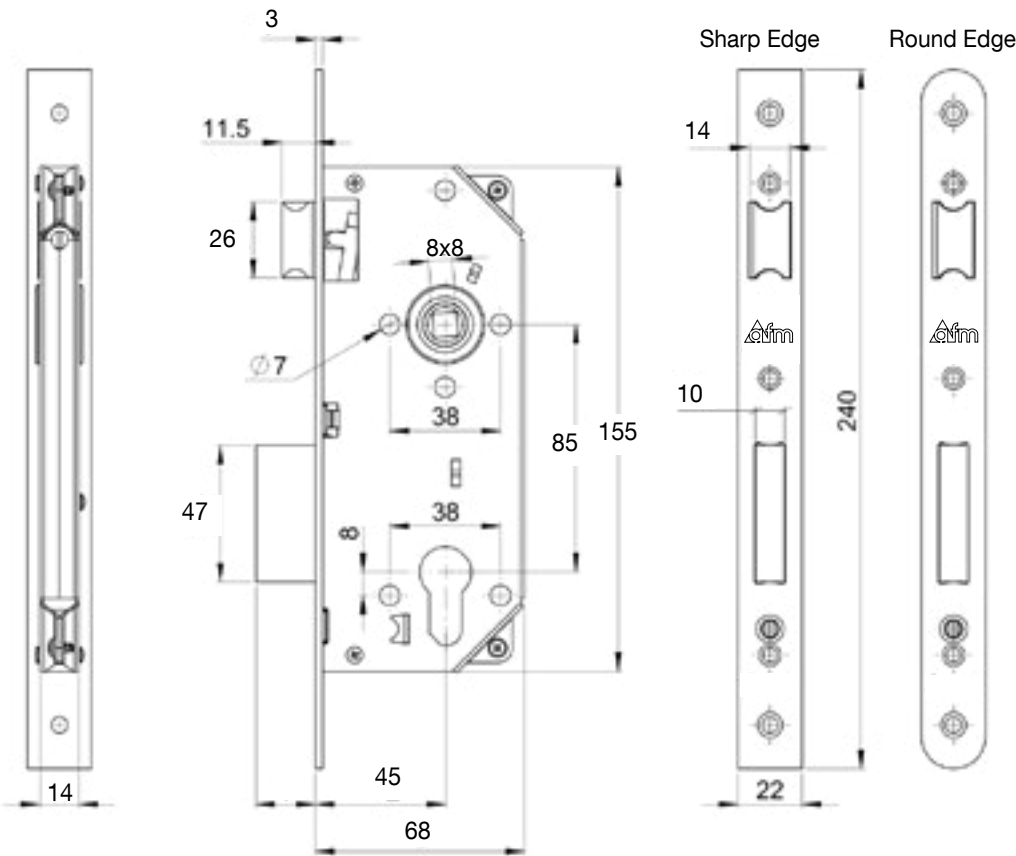
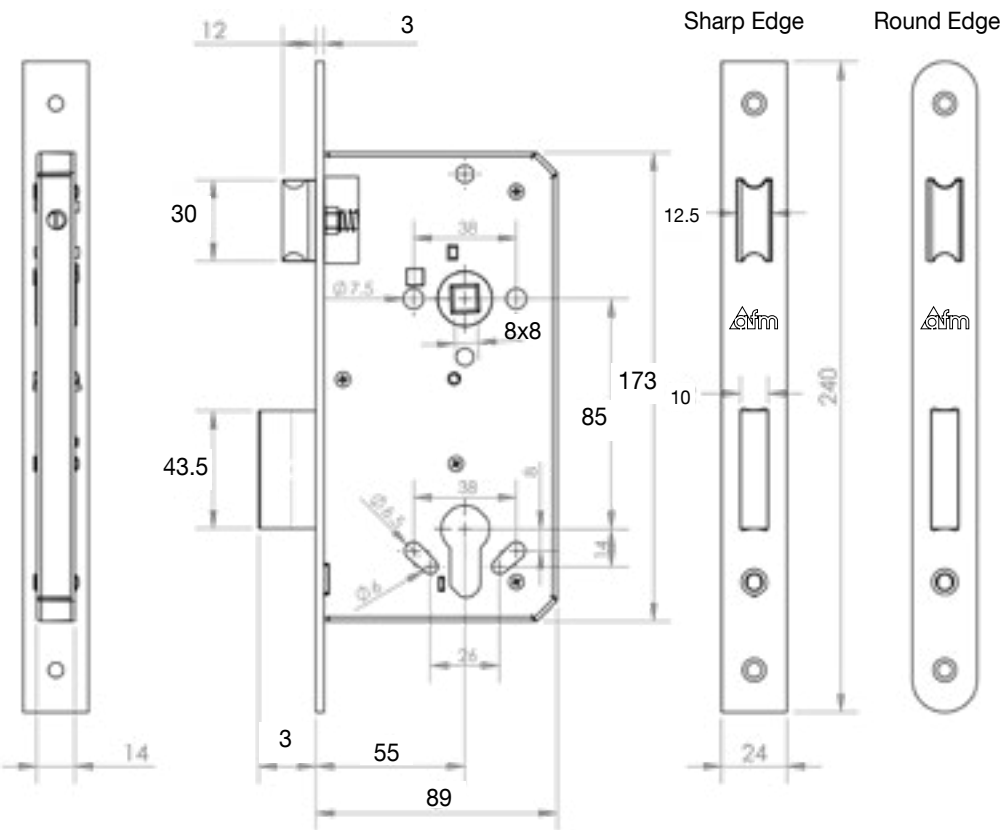
Mortise Sashlock With Ball Bearing "Closed Case"

- Steel deadbolt, , Zinc Alloy latch bolt
- Center Distance: 85 mm
- Backset : 45 mm (standard), 40 mm upon request.
- Deadbolt: 47 mm, 2 turns
- Faceplate: Sharp or Round steel
- Lever follower: 8 X 8 mm
- Reversible latch bolt
- Design acc. to standard ES 5454:2020 & EN 12209:2016
- Classification Grade

1	M	4	0	0	C	1	0
---	---	---	---	---	---	---	---

Standard Finishes for face plate:

Satin Nickel
Bright Brass
Other finishes upon request.



ME-33

Mortise Sashlock, Round Deadbolt "Closed Case"

- Steel deadbolt, Zinc Alloy latch bolt
- Center Distance: 85 mm
- Backset : 45 mm (standard), 40 mm upon request.
- Deadbolt: 50 mm, 2 turns
- Faceplate: Sharp or Round steel
- Lever follower: 8 X 8 mm
- Reversible latch bolt
- Design acc. to standard ES 5454:2020 & EN 12209:2016
- Classification Grade

1	M	4	0	0	C	1	0
---	---	---	---	---	---	---	---

Standard Finishes for face plate:

Satin Nickel
Bright Brass
Other finishes upon request.



ME-34

Mortise Sashlock Multi Backsets "Fire Resistance"

- Stainless Steel deadbolt and latch bolt
- Center Distance: 72 mm
- Backset : 55 mm (standard)
- Deadbolt: 21.50 mm, 2 turns
- Faceplate: Sharp or Round Stainless Steel
- Lever follower: 8 X 8 mm
- Reversible latch bolt
- Used for metal and timber doors
- Certified to ES 5454:2020 & EN 12209:2003
- Classification Grade

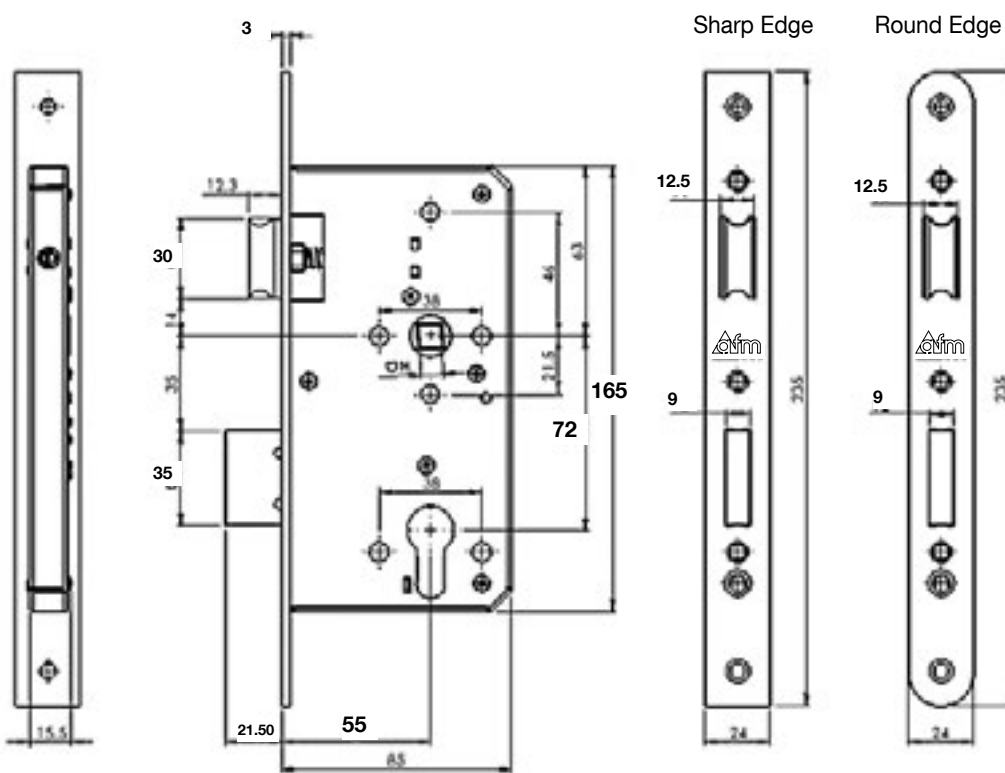
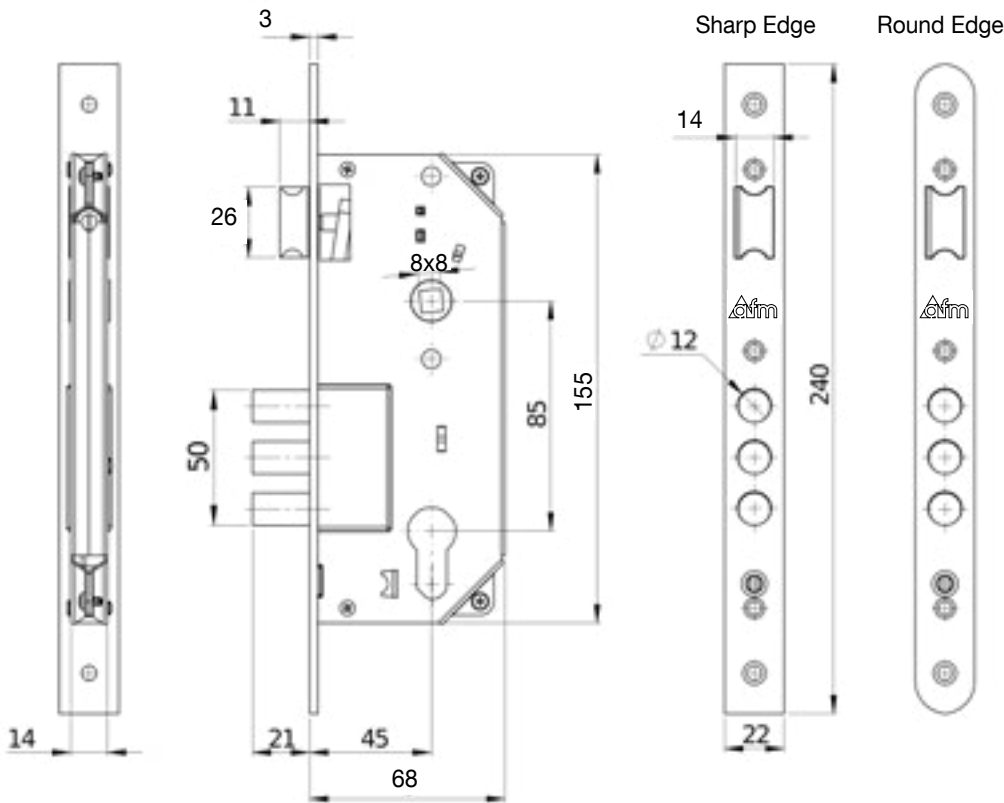
3	X	8	1	0	G	3	H	C	1	0
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Standard Finishes for face plate:

Satin Stainless Steel
Other finishes upon request.

Protection against

Fire	Corrosion	
		



ME-35

Mortise Latch Multi Backsets "Fire Resistance"

- Provides very high level of security and durability
- Stainless Steel deadbolt and latch bolt
- Center Distance: 72 mm
- Backset : 55 mm (standard)
- Deadbolt: 21.50 mm, 2 turns
- Faceplate: Sharp or Round Stainless Steel
- Lever follower: 8 X 8 mm
- Reversible latch bolt
- Used for metal and timber doors
- Certified to ES 5454:2020 & EN 12209:2003
- Classification Grade

3	X	8	1	0	G	3	H	0	1	0
---	---	---	---	---	---	---	---	---	---	---

Standard Finishes for face plate:
Satin Stainless Steel
Other finishes upon request.

Protection against



ME-36

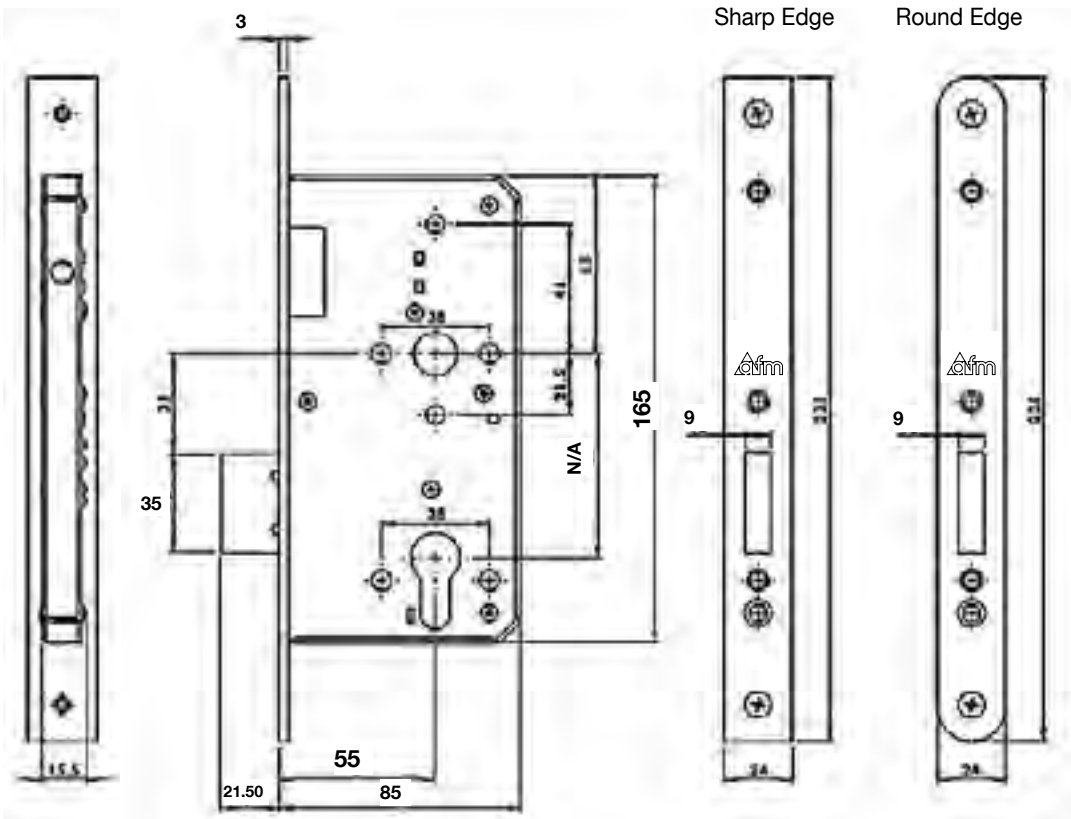
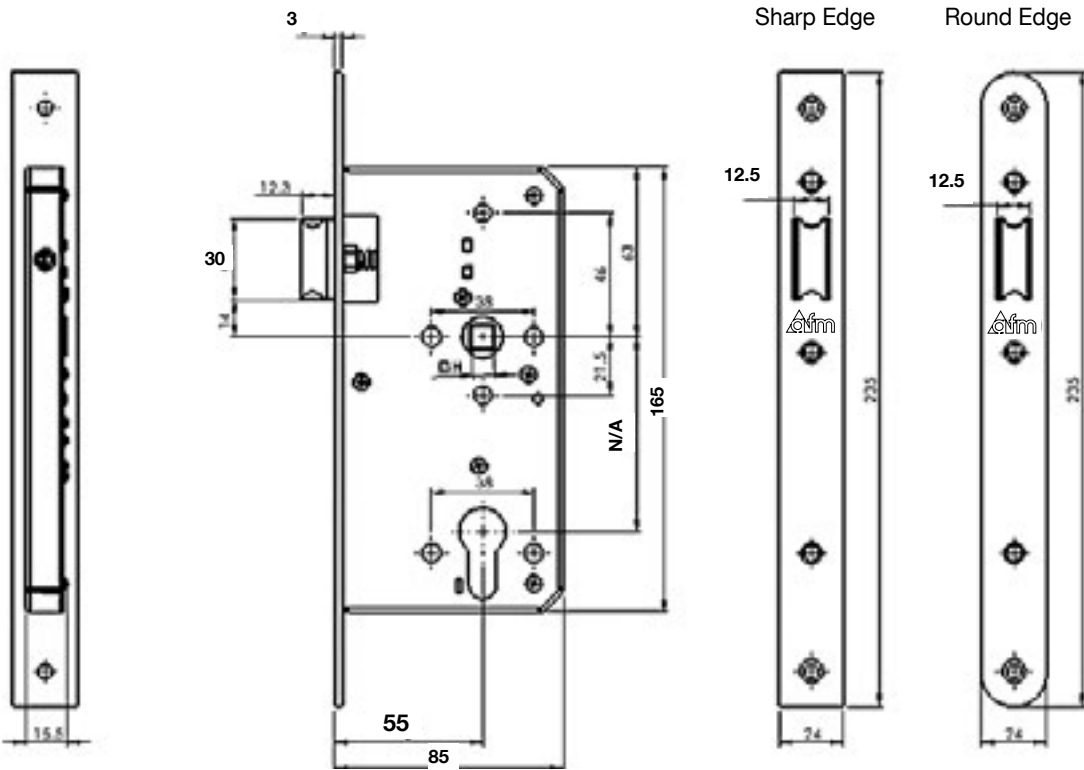
Mortise Deadlock Multi Backsets "Fire Resistance"

- Provides very high level of security and durability
- Stainless Steel deadbolt and latch bolt
- Center Distance: 72 mm
- Backset : 55 mm (standard)
- Deadbolt: 21.50 mm, 2 turns
- Faceplate: Sharp or Round Stainless Steel
- Lever follower: 8 X 8 mm
- Reversible latch bolt
- Used for metal and timber doors
- Certified to ES 5454:2020 & EN 12209:2003
- Classification Grade

3	X	8	1	0	G	3	H	C	0	0
---	---	---	---	---	---	---	---	---	---	---

Standard Finishes for face plate:
Satin Stainless Steel
Other finishes upon request.

Protection against



MI-31

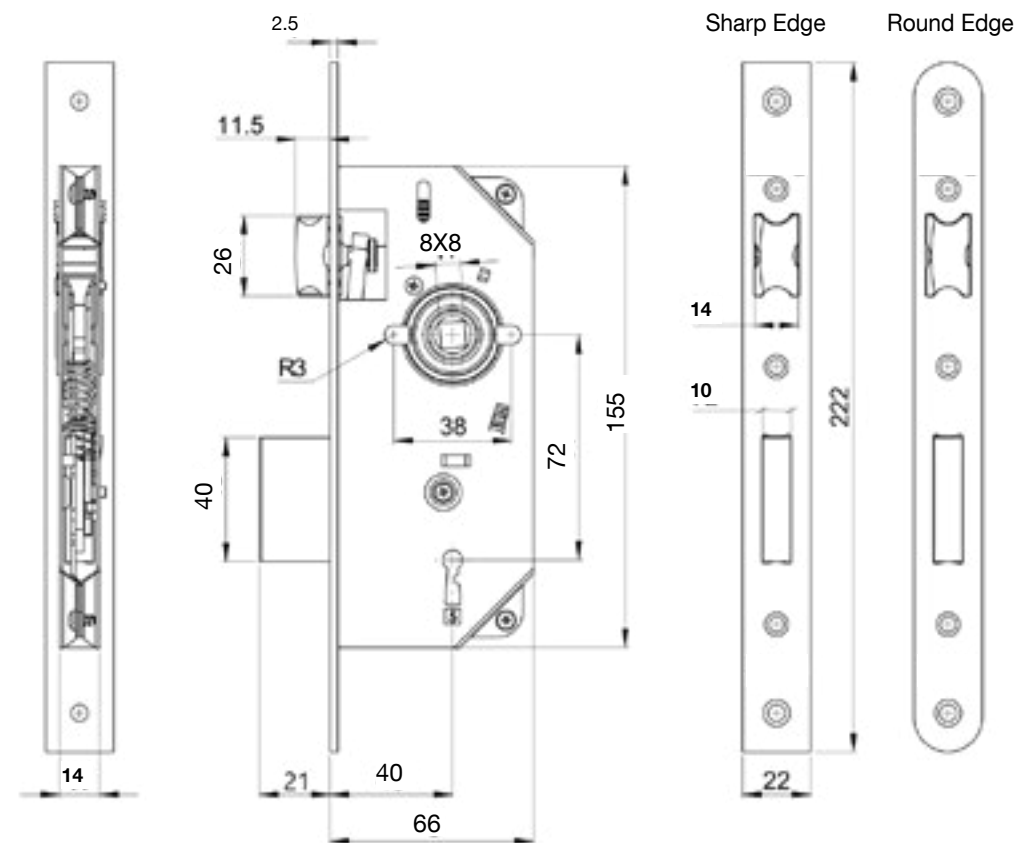
Mortise Room Lock "Closed Case With Bearings"

- Steel deadbolt and zinc alloy latch bolt
- Center Distance : 72mm
- Backset : 40mm
- Deadbolt : 30mm or 40mm, 2 turns
- Faceplate : Sharp or Round, steel
- Lever follower : 8x8 mm
- Reversible latch bolt - without tampering with lock mechanism
- Number of keys : two
- Ball bearing lever follower for soft open-close and anti-disturb feature.
- Design according to standard ES 5454:2020 & EN 12209: 2016
- Classification Grade

1	L	4	0	0	C	1	0
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Standard Finishes for face plate:

Satin Nickel
Blue Galvanized
Other finishes upon request.



MI-33

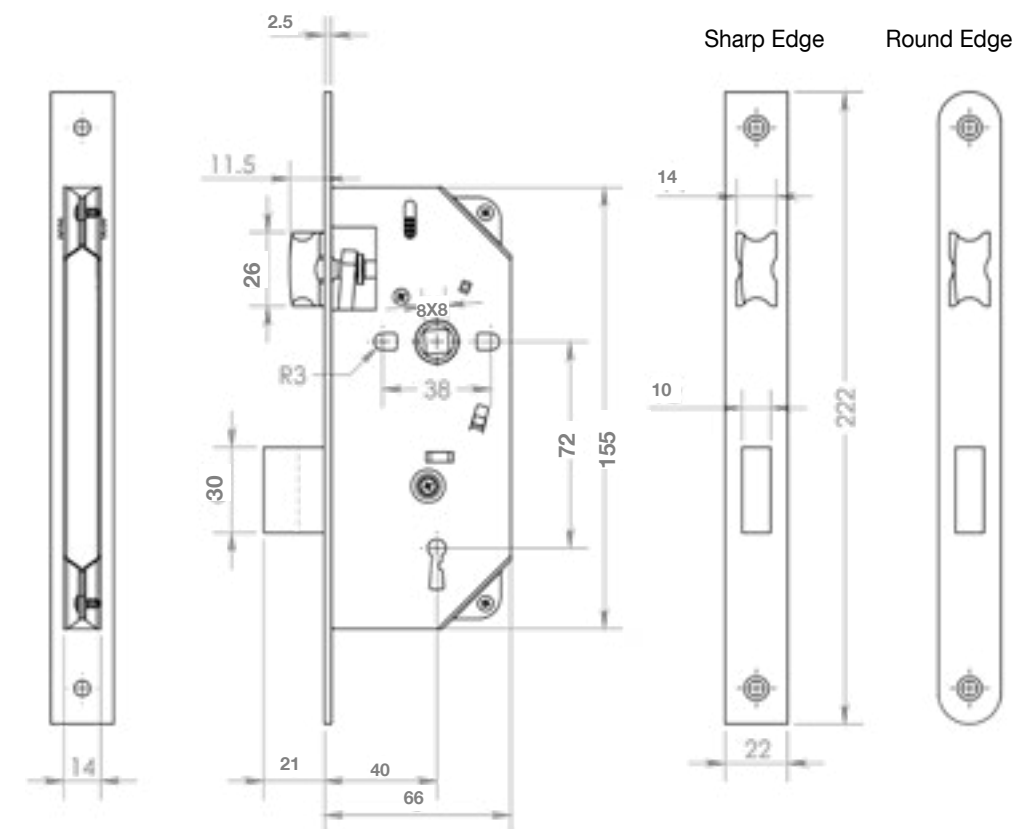
Mortise Room Lock "Closed Case"

- Steel deadbolt and zinc alloy latch bolt
- Center Distance : 72 mm
- Backset : 40mm
- Deadbolt : 30mm or 40mm, 2 turns
- Faceplate : Sharp or Round, steel
- Lever follower : 8 x 8 mm
- Reversible latch bolt - without tampering with lock mechanism
- Number of keys : two
- Design according to standard ES 5454:2020 & EN 12209: 2016
- Classification Grade

1	L	4	0	0	C	1	0
---	---	---	---	---	---	---	---

Standard Finishes for face plate:

Satin Nickel
Blue Galvanized
Other finishes upon request.



MI-32

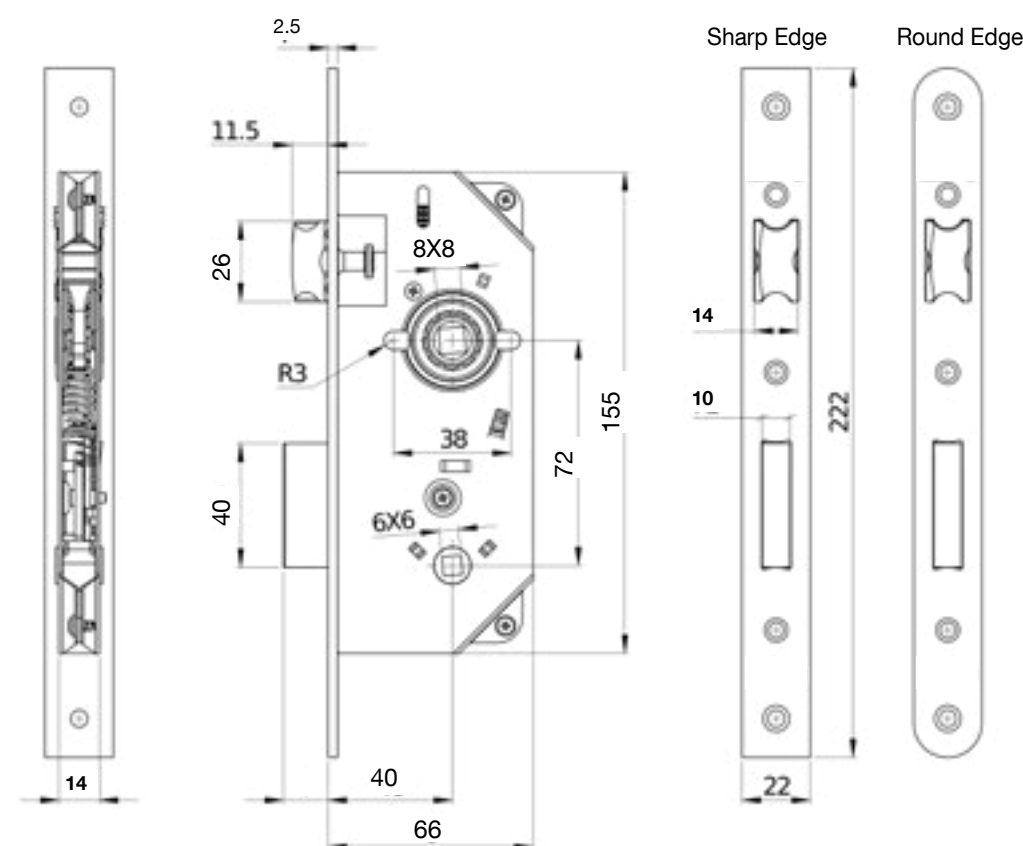
Mortise Bathroom Lock "Closed Case With Bearings"

- Steel deadbolt and zinc alloy latch bolt
- Center Distance : 72 mm
- Backset : 40 mm
- Deadbolt : 30 mm or 40 mm, one turn
- Faceplate : Sharp or Round, steel
- Lever follower : 8x8 mm
- Reversible latch bolt - without tampering with lock mechanism
- Number of keys : two
- Ball bearing lever follower for soft open-close and anti-disturb feature.
- Design according to standard ES 5454:2020 & EN 12209: 2016
- Classification Grade

1	L	4	0	0	C	1	0
---	---	---	---	---	---	---	---

Standard Finishes for face plate:

Satin Nickel
Blue Galvanized
Other finishes upon request.



MI-34

Mortise Bathroom Lock "Closed Case"

Outside function:

Latch bolt operated by lever handle from both sides

Inside function:

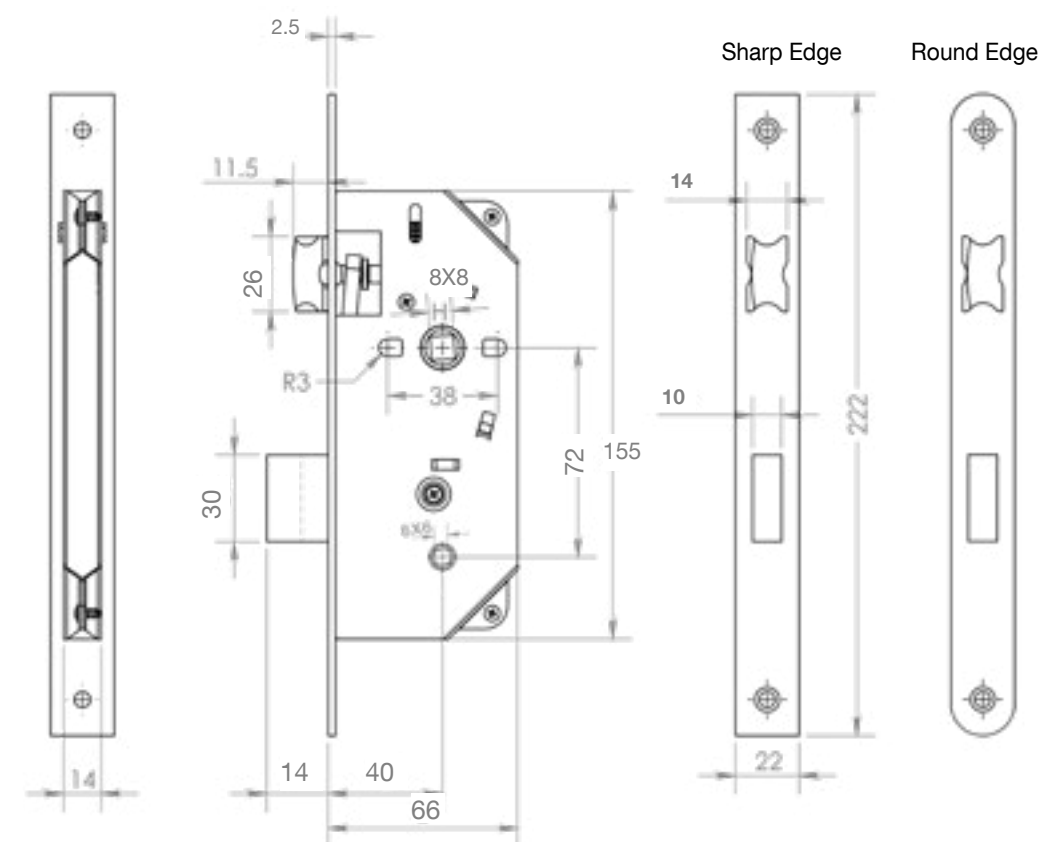
Deadbolt operated by inside thumb turn of knob and emergency release from outside

- Steel deadbolt and zinc alloy latch bolt
- Center : 72 mm
- Backset : 40mm
- Deadbolt : 30mm or 40mm, one turn
- Face plate : Sharp or Round, steel
- Lever follower : 8 x 8 mm
- Reversible latch bolt - without tampering with lock mechanism
- Design according to standard ES 5454:2020 & EN 12209: 2016
- Classification Grade

1	L	4	0	0	C	1	0
---	---	---	---	---	---	---	---

Standard Finishes for face plate:

Satin Nickel
Blue Galvanized
Other finishes upon request.



EN 1303:2015 is the European standard for Cylinder

This European Standard applies to cylinders and their keys for such locks as are normally used in buildings and are designed to be used with cylinders, where the locks have an operational torque of maximum 1,2 Nm.
This European Standard specifies performance and other requirements for the strength, security, durability, performance and corrosion resistance of cylinders and their original keys includes tests of satisfactory operation at a range of temperatures , classifies cylinders for locks using 8 digits coding system. Each digit refers to a particular feature of the product measured against the standard's performance requirements.

1. Category of Use

One category is identified:
1: for use by people with a high incentive to exercise care and with a small chance of misuse.

3. Door Mass & Closing Force

0 - No requirement.

5. Safety

Safety category of the product.
0 - No safety requirement

7. Key related Security

1: 100 Min. number of effective differs / 2 Min. number of movable retainers.
2 : 300 Min. number of effective differs / 3 Min. number of movable retainers.
3 : 15 000 Min. number of effective differs / 5 Min. number of movable retainers.
4 : 30 000 Min. number of effective differs / 5 Min. number of movable retainers.
5 : 30 000 Min. number of effective differs / 6 Min. number of movable retainers.
6 : 100 000 Min. number of effective differs / 6 Min. number of movable retainers.

1
1
6
4 - 6
0
0
B
0-B
0
0
C
0 - C
6
1 - 6
0
0 - D

2. Durability

Three grades are identified according to the number of test cycles achieved:
4 : 25 000 cycles
5: 50 000 cycles
6 : 100 000 cycles

4. Fire Resistance

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


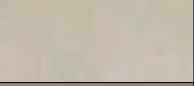
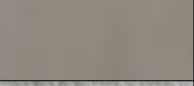

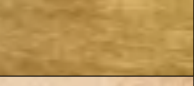
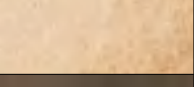
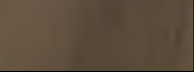
6. Corrosion Resistance

Level of corrosion resistance to EN 1670:
0: no corrosion requirement;
no temperature requirement.
A : high corrosion resistance;
no temperature requirement.
B : no corrosion requirement; temperature requirement: from – 25 °C to + 65 °C.
C : high corrosion resistance; temperature requirement: from – 25 °C to + 65 °C.

8. Attack resistance

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

Finishing Type

Black	
Bright Nickel	
Satin Nickel	
Nickel Chrome	
Bright Brass	
Satin Brass	
Antique Bronze	

* All finishes are available in all the cylinder subject to minimum order quantity

STANDARD CYLINDERS

Range of quality cylinders. These cylinders offer a standard degree of security and effectively protect the property in which they are used.

- Solid brass body and Plug detainers (pins).
- Springs made from special treated Bronze for lasting tension.
- All cylinders supplied with 3 standard brass keys.
- Durability 100,000 cycles



CY-01

Euro Profile Double Cylinder

Standard size 61 mm Other lengths to order in 5 mm increments.



CY-08

Single Cylinder (CY-08)

Standard size 45 mm Other lengths to order in 5 mm increments.



CY-03

Knob Cylinder

Standard size 61 mm Other lengths to order in 5 mm increments.



CY-14

Bathroom Cylinder

Standard size 61 mm Other lengths to order in 5 mm increments..



CY-07

Oval Profile Double Cylinder

Standard size 54 mm Other lengths to order in 5 mm increments

Standard Finishes:

Antique Bronze
Satin Nickel

Medium Security Cylinders

Range of quality cylinders. These cylinders offer a medium degree of security and effectively protect the property in which they are used against anti drilling.

- Solid brass body and Plug 5 detainers (pins) as standard.
- Pull resistant cam from sintered steel.
- Springs made from special treated Bronze for lasting tension.
- All cylinders supplied with 5 dimpled brass keys.
- Durability 100,000 cycles



CY-18

Double Cylinder

Standard size 61 mm Other lengths to order in 5 mm increments .



CY-27

Knob Cylinder (CY-27)

Standard size 61 mm Other lengths to order in 5 mm increments .



CY-05

Anti-drill Double Cylinder

Standard size 61 mm Other lengths to order in 5 mm increments



CY-28

Anti-drill Knob Cylinder

Standard size 61 mm Other lengths to order in 5 mm increments



CY-49

Double Cylinder

Standard size 61 mm Other lengths to order in 5 mm increments.



CY-50

Knob Cylinder

Standard size 61 mm Other lengths to order in 5 mm increments.

High Security Cylinder

Range of quality cylinders. These cylinders offer a High- Security degree of security and effectively protect the property in which they are used.

- Solid brass body and Plug 6 retainers (pins) as standard.
- Extra 4 side retainers as standard.
- Anti-drill pins provided as regular feature in all cylinders.
- Pull resistant cam from sintered steel.
- Springs made from special treated Bronze for lasting tension.
- All cylinders supplied with 5 keys.
- More than 400,000 different combinations
- Durability 100,000 cycles



CY-30

Single Cylinder

Standard size 45 mm Other lengths to order in 5 mm increments.



CY-19

Double Cylinder

Standard size 61 mm Other lengths to order in 5 mm increments.



CY-24

Knob Cylinder

Standard size 61 mm Other lengths to order in 5 mm increments.



EN 1303

Protection against

Drilling



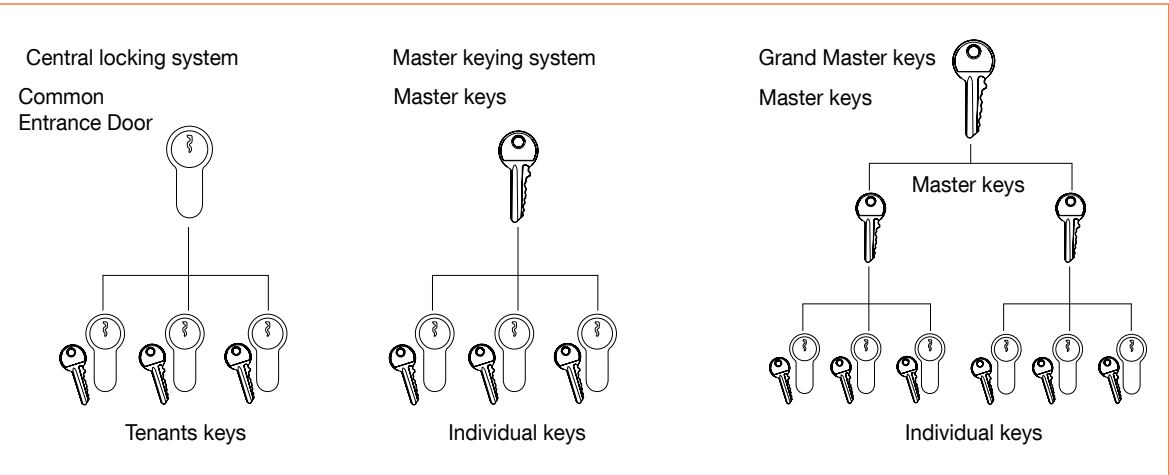
Rusting



KEYING SYSTEM

Cylinders can be supplied with various keying systems i.e.

- Central keying system for properties with common entrances
- Master keying system
- Grand master keying system
- Grand grand master keying system



Common Dimensions "mm"

Cylinder Length	Front/Middle Length	Middle/Back Length	Front Side Length	Standard Cam Length	Cam Setting
61	30.5	30.5	25.5	10	0° Or 35°
70	35	35	30	10	0° Or 35°
80	40	40	35	10	0° Or 35°
90	45	45	40	10	0° Or 35°
100	50	50	45	10	0° Or 35

EN 1935:2002 is the European standard for Door Hinges

This European standard specifies requirements for single-axis hinges for windows and doors opening in one direction only, whose rotation axis is no more than 30 mm from the face of the sash or door. It covers both fixed pin and lift-off hinges, and contains additional requirements for hinges intended for use on fire doors. BS EN 1935:2002 classifies door furniture by using an 8-digit coding system. Each digit refers to a particular feature of the product measured against the standard's performance requirements.

1. Category of Use

Four categories of use are identified:

- Grade 1: light duty
- Grade 2: medium duty
- Grade 3: heavy duty
- Grade 4: severe duty.

3. Test Door Mass

Eight door mass grades related to single-axis hinges are identified in this European standard as shown in table below

Grade	0	1	2	3	4	5	6	7
Mass(kg)	10	20	40	60	80	100	120	160

5. Safety

Single-axis hinges are required to satisfy the essential requirements of safety in use. Therefore, only grade 1 is identified.

7. Security

- 0: not suitable for use on burglar-resistant door
- 1: Requiring a degree of security beyond the EN 1935.

4
1 - 4
7
3 - 7
6
0-7
1
0-1
1
1
4
0 - 4
0
0 - 1
13
1 - 14

2. Durability

- 3: 10,000 test cycles, for light duty hinges on windows only
- 4: 25,000 test cycles, for light duty hinges on windows and doors
- 7: 200,000 test cycles, for medium, heavy and severe duty hinges on doors only

4. Fire Resistance

- 0: not suitable for fire/smoke
- 1: suitable for fire/smoke resistant door

6. Corrosion Resistance

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

8. Hinge grade

Hinge Grade	Usage	Test Cycles	Door mass
1	Window	10,000	10 kg
2	Window	10,000	20 kg
3	Window/Door	25,000	20 kg
4	Door	200,000	20 kg
5	Window	10,000	40 kg
6	Window/Door	25,000	40 kg
7	Door	200,000	40 kg
8	Window	10,000	60 kg
9	Window/Door	25,000	60 kg
10	Door	200,000	60 kg
11	Door	200,000	80 kg
12	Door	200,000	100 kg
13	Door	200,000	120 kg
14	Door	200,000	160 kg

Finishing Type

Satin Nickel	
Bright Brass	
Antique Copper	
Antique Bronze	
Stain Stainless Steel	
Black	

* All finishes are available in all the hinges subjct to minimum order quantity

H1-Contemporary



Contemporary Hinge

- Lift off hinge with washer (zig zag)
- Available in right and left sides
- According to standard EN 1935:2002

3	7	4	0	1	3	0	11
---	---	---	---	---	---	---	----

Standard Finishes:

Satin Nickel

Bright Brass

Other finishes upon request

Antique Copper

Antique Bronze

Code	Length x Width x Thickness (mm)	Screws per hinge Effective Countersunk Head			Effective Door Weight Kg	EN1935 Grade	Durability (cycles)
		Size (mm)	Type	Qty			
WPMHGS001	120 x 86 x 3	4 x 30	Plated Steel	10	80	11	200,000

H1-Modern



Modern Hinge

- Lift of hinge with washer (zig zag)
- Available in right and left sides
- According to standard EN 1935:2002

3	7	4	0	1	3	0	11
---	---	---	---	---	---	---	----

Standard Finishes:

Satin Nickel

Bright Brass

Satin

Other finishes upon request

Antique Copper

Antique Bronze

Code	Length x Width x Thickness (mm)	Screws per hinge Effective Countersunk Head			Effective Door Weight Kg	EN1935 Grade	Durability (cycles)
		Size (mm)	Type	Qty			
WPMHGS003	120 x 86 x 3	4 x 30	Plated Steel	10	80	11	200,000

H1-Classic



Classic Hinge

- Lift of hinge with washer (zig zag)
- Available in right and left sides
- According to standard EN 1935:2002

3	7	4	0	1	3	0	11
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Standard Finishes:

Satin Nickel

Bright Brass

Satin

Other finishes upon request

Antique Copper

Antique Bronze

Code	Length x Width x Thickness (mm)	Screws per hinge Effective Countersunk Head			Effective Door Weight Kg	EN1935 Grade	Durability (cycles)
		Size (mm)	Type	Qty			
WPMHGS002	120 x 86 x 3	4 x 30	Plated Steel	10	80	11	200,000

Model H2
Fire Rated



Stainless Steel Butt Hinges, SS304, 2BB, 5 knuckles
Sharp and Round edge.

- Available with ANSI template drilled screw holes
- Used for metal and timber fire resistance doors
- According to standard EN 1935:2002

4	7	6	1	1	4	0	13
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Standard Finishes:

Satin Stainless Steel

Other finishes upon request

Protection against

Fire

Corrosion



Code	Length x Width x Thickness (mm)	Screws per hinge Effective Countersunk Head			Effective Door Weight Kg	EN1935 Grade	Durability (cycles)	Type of edge
		Size (mm)	Type	Qty				
WPMRH003	101.6 x 76.2 x 3	5 x 30	SSS	8	120	13	200,000	Sharp edge
WPMRH005	101.6 x 101.6 x 3	5 x 30	SSS	8	120	13	200,000	Sharp edge
WPMRH006	101.6 x 76.2 x 3	5 x 30	SSS	8	120	13	200,000	Round edge
WPMRH007	101.6 x 101.6 x 3	5 x 30	SSS	8	120	13	200,000	Round edge

Note: For steel door screws will be M 5x12 mm (8 pieces)

Model H2
SS201



Stainless Steel Butt Hinges, SS201, 2BB, 5 knuckles
- Available with ANSI template drilled screw holes
- Used for metal and timber doors

Standard Finishes:
Satin Stainless Steel
Other finishes upon request

Code	Length x Width x Thickness (mm)	Screws per hinge Effective Countersunk Head			Effective Door Weight Kg	Durability (cycles)
		Size (mm)	Type	Qty		
WPMHGS005	101.6 x 76.2 x 3	5 x 30	SSS	8	120	200,000
WPMHGS013	101.6 x 101.6 x 3	5 x 30	SSS	8	120	200,000

Note: For steel door screws will be M 5x12 mm (8 pieces)

Model H3



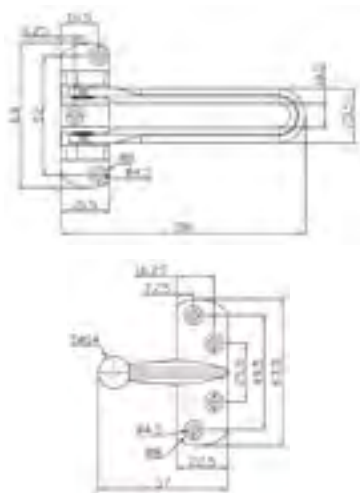
Butt Hinge with two rings and 5 knuckles and button tip at both ends.
- Hinge made from steel , with two rings
- Hinge with 5 knuckles
- Non handed hinge
- Anti-Corrosion: 120 hours
- For timber and metal doors

Standard Finishes:
Antique Bronze
Satin Nickel
Satin Chrome
Other finishes upon request

Code	Length x Width x Thickness (mm)	Screws per hinge Effective Countersunk Head			Effective Door Weight Kg	Durability (cycles)
		Size (mm)	Type	Qty		
WPMHGS006	101.6 ×76.2× 3	5 x 30	Plated Steel	8	100	200,000

Features and options	H1 Economic	H1 Classic	H1 Modern	H2 fire rated	H2 SS201	H3
Duty Level	Heavy	Heavy	Heavy	Severe	Severe	Severe
Type of hinge	Lift off	Lift off	Lift off	Butt	Butt	Butt
Holes pattern	Zigzag	Zigzag	Zigzag	Template	Template	Template
Material	Steel	Steel	Steel	Stainless Steel 304	Stainless Steel 201	Steel
Ball bearing				■	■	
Plain bearing	■	■	■			■
Anti-corosion	High	High	High	Very high	High	High
Dimension mm	120 x 86 x 3	120 x 86 x 3	120 x 86 x 3	101.6 x 76.2 x 3 101.6 x 101.6 x 3	101.6 x 76.2 x 3 101.6 x101.6 x 3	101.6 x 76.2 x3
Door Weight kg	80	80	80	120	120	100
Number and type of Screws	Steel 10 Screws	Steel 10 Screws	Steel 10 Screws	Stainless Steel 8 Screws	Stainless Steel 8 Screws	Steel 8 Screws
EN 1935:2002 Classification	374013011	374013011	374013011	476114013	476113013	475013012
Durability cycles	200,000	200,000	200,000	200,000	200,000	200,000
Certification	Certified HBRC	Certified HBRC	Certified HBRC	Intertek Int	Voluntary	Voluntary

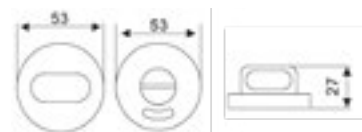
Door Guard
DG-01



Material	Width	Length
Zinc Alloy	63 mm	108 mm
Stainless Steel 304	68 mm	108 mm

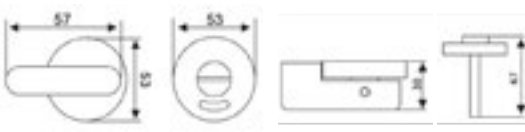
Standard Finishes:
Satin Nickel
Satin Chrome
Satin Stainless Steel
Other finishes upon request

Emergency Release
BTI01



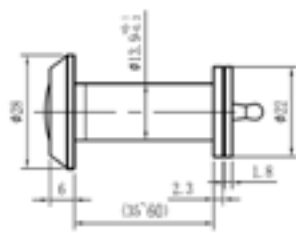
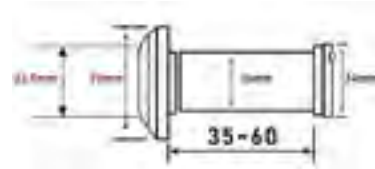
Model	Material	Spindle
BTI02	Stainless Steel 304	8*8 mm 6*6 mm
BTI01	Stainless Steel 304	8*8 mm 6*6 mm

BTI02



Standard Finishes:
Satin Stainless Steel, casting solid turn
Other finishes upon request

Door Viewer
DV-01



Material	Diameter	Length	Cap
Brass	14 mm	35-60 mm	yes
Zinc Alloy	16 mm	35-60 mm	yes
Stainless Steel 304	14 mm	35-60 mm	yes
Stainless Steel 304	16 mm	35-60 mm	yes

Standard Finishes:
Satin Nickel
Satin Chrome
Satin Stainless Steel
Other finishes upon request

Hat and Coat Hook
CH-01



Material	Thickness
Stainless Steel 304	2 ~ 2.5 mm

Hat & Coat Hook with projection

Standard Finishes
Satin Stainless Steel

Signage
Signs-01



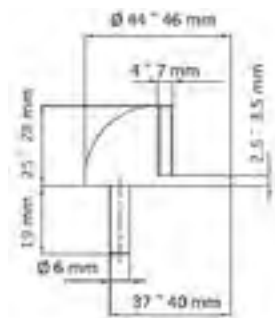
Male Female

Size : 100mm x 100 mm x 1.5 mm

Material
Stainless Steel 304

Standard Finishes
Satin Stainless Steel

Door stops
FMD-02

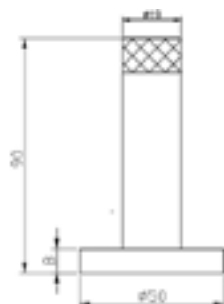


Floor mounted door stop with black rubber buffer (half Dome)

Material
Stainless Steel 304

Standard Finishes
Satin Stainless Steel

WDS-01



Wall mounted door stop
with black rubber buffer
- Size: Length 90 mm x Ø19 mm
- Base: Ø 50 mm

Material
Stainless Steel 304

Standard Finishes
Satin Stainless Steel

MWDS-01

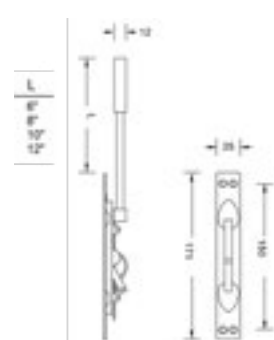


Wall mounted magnetic door holder
Size: Dia. 50mm x Length 75 mm

Material
Stainless Steel 304

Standard Finishes
Satin Stainless Steel

Flush Bolts
FB-01



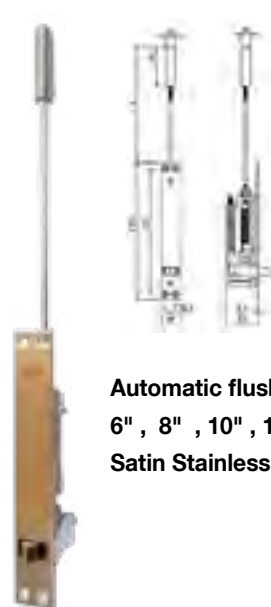
Manual lever action flush bolt ,
for metal door

Material	Main body
Stainless Steel 304	172x25x2mm

Manual lever action flush bolt , for metal door
Rod: 6" , 8" , 10" , 12" , 18" , etc.
Function: Fix the door leaf, anti-theft

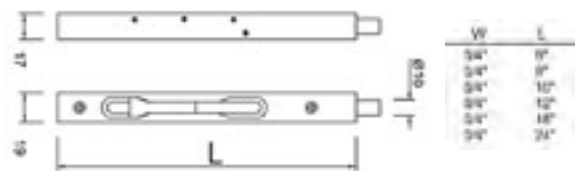
Standard Finishes :
Satin Stainless Steel

AFB-01



Automatic flush bolt for metal doors,
6" , 8" , 10" , 12"
Satin Stainless Steel SS 304

FB-02



Manual lever action flush bolt,
for timber doors

Material
Stainless Steel 304

Standard Finishes
Satin Stainless Steel

Other Fitting
Dust Proof Sockets
DPS-01



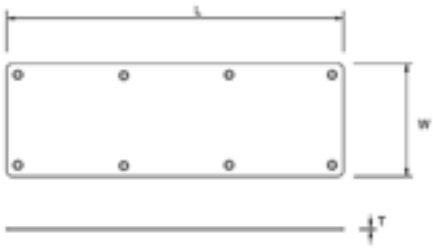
Material	Size	Hole Dia
Stainless Steel	Ø 20 mmx38 mm	Ø 13 mm

Standard Finishes
Satin Stainless Steel

Kick Plate
KP-01



Model	Size	Thickness
KP-01	800 mm x 200 mm x 1.5 mm	1.2 mm or 1.5 mm
	800 mm x 200 mm x 1.2 mm	
	800 mm x 250 mm x 1.5 mm	
	800 mm x 250 mm x 1.2 mm	
	900 mm x 200 mm x 1.5 mm	
	900 mm x 200 mm x 1.2 mm	
	900 mm x 250 mm x 1.5 mm	
	900 mm x 250 mm x 1.2 mm	



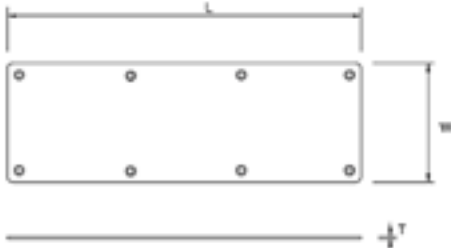
Material
Stainless Steel 304

Standard Finishes
Satin Stainless Steel

Stretcher Plate
STP-01



Model	Size	Thickness
STP-01	800 mm x 300 mm x 1.5 mm	1.2 mm or 1.5 mm
	800 mm x 300 mm x 1.2 mm	
	900 mm x 300 mm x 1.5 mm	
	900 mm x 300 mm x 1.2 mm	
	900 mm x 300 mm x 1.2 mm	



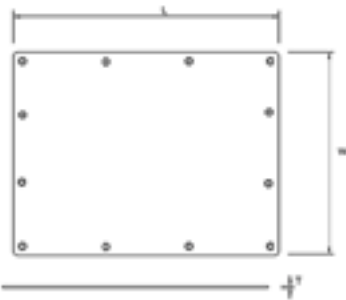
Material
Stainless Steel 304

Standard Finishes
Satin Stainless Steel

Armor Plate
ARP-01



Model	Size	Thickness
ARP-01	800 mm x 800 mm x 1.5 mm	1.2 mm or 1.5 mm
	800 mm x 800 mm x 1.2 mm	
	900 mm x 900 mm x 1.5 mm	
	900 mm x 900 mm x 1.2 mm	



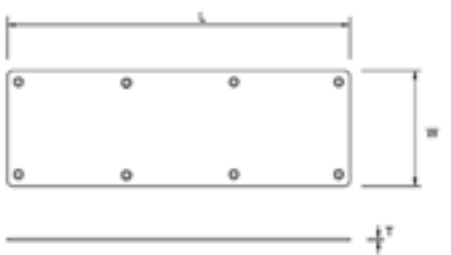
Material
Stainless Steel 304

Standard Finishes
Satin Stainless Steel

Mop Plate
MOP-01



Model	Size	Thickness
MOP-01	800 mm x 100 mm x 1.5 mm	1.2 mm or 1.5 mm
	800 mm x 100 mm x 1.2 mm	
	800 mm x 150 mm x 1.5 mm	
	800 mm x 150 mm x 1.2 mm	
	900 mm x 100 mm x 1.5 mm	
	900 mm x 100 mm x 1.2 mm	
	900 mm x 150 mm x 1.5 mm	
	900 mm x 150 mm x 1.2 mm	
	900 mm x 150 mm x 1.2 mm	



Material
Stainless Steel 304

Standard Finishes
Satin Stainless Steel

ADBS-01



Automatic drop seal, fire-resistance for timber doors

- High quality aluminum threshold seal.
- Seals gaps up to 13mm.
- Simple to fit with slide and click mechanism.
- Easy to adjust using slot head screwdriver.
- Ref Model: DD-420S
- Excellent noise-reducing performance up to 34Db.
- Available in 3 standard lengths 630, 930 and 1130mm.
- Can be reduced by 200 mm
- Optional end plates and cover plates.
- Durability test: 200,000 opening and closing cycles.
- Certifier No-CF280, Fire rated 60 min.

ADBS-02



Automatic drop seal , fire-resistance automatic height and level compensation for metal and timber fire resistance door

- Width -Height :24 x 20 mm
- Actuation : Single
- Travel: 16 mm
- Min. Length : 485 mm
- Ref. Model: L-24/20 OS
- Standard length : 1050 mm
- Can be reduced by 105 mm
- Sealing profile: Silicone, self-extinguishing
- Maximum length: 3,000 mm
- From length 801 / 125 mm
- Material: Aluminum
- UL listed, R38166, Fire rated 3hrs. for metal doors, 20min. for timber doors.

RDS-01



Door perimeter seal rebated bubble compression seal for metal and timber fire resistance door

- Suitable for sound insulation
- Suitable for fire smoke protection
- Unit: Meter
- Ref. Model : PS 0704 S
- Color: Black or brown
- Fire resistance, EN1634-1(R190627004SHF-006)
- Fire rated 1hrs

RDS-02



Door perimeter seal (NFR) Gasket

- Unit: Meter
- Color: Black or brown

IS-1



Intumescent for door hinges, type 15

- Finishes: White
- Thickness : 1 mm
- Tolerance on thickness : ± 0.2 mm
- Weight : 0.80 – 1.12 kg/m²

IS-2



Intumescent for door locks, type 15

- Finishes: White
- Thickness : 1mm
- Tolerance on thickness : ± 0.2 mm
- Weight : 0.80 – 1.12 kg/m²

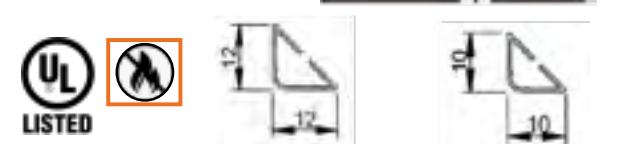
RDS-03



Rubber Door Seal fire resistance Adhesive Gasket for metal and timber fire resistance door

- Gasket material silicone, self-extinguishing
- Finish: Black
- Ref. Model: PS 778 S
- UL Listed, 10C, R38166, Fire rated 3hrs. for metal doors, 20min. for timber doors

RDS-04



Rubber Door Seal fire resistance Adhesive Gasket for metal and timber fire resistance door

- Standard lengths 2100, 2400, 3000 mm
- Winged corner seal
- Equipped with two rows of durable, Self-adhesive backing tape
- Suitable for sound insulation and for smoke sealing
- Ensures soft closing of the door
- Also suitable for retro-fit applications
- Used for timber & metal door frames
- Gasket material rigid PVC base, flexible PVC fins
- Working temperature range -15°C to +60°C
- Ref. Model: PS 1010 P Flex, PS 1212 P Flex, PS 1515 Flex
- Finish: black , dark brown or white
- UL Listed, 10C, R38166, Fire rated 3hrs. for metal doors, 20min. for timber doors

EN 1154:1997 is the European standard for door closer

1. Category of Use

For all internal and external doors for use by the public, and others, with little incentive to take care, i.e. where there is some chance of misuse of the door.
3 : For closing doors from at least 105° open
4 : For closing doors from 180° open

3. Door Mass & Closing Force

POWER SIZE	1	2	3	4	5	6	7
MAX LEAF WIDTH (mm)	750	850	950	1100	1250	1400	1600
TEST DOOR MASS (kg)	20	40	60	80	100	120	160

5. Safety

1: Safe
No other grades. All door closers are required to satisfy the essential requirement of safety in use.

4
3 - 4
8
8
6
1 - 7
1
0-1
1
1
4
0 - 4

2. Durability

Only one test duration is identified for door closers manufactured to this standard:
8 : 500 000 test cycles

4. Fire Resistance

Two grades of fire behavior are identified for door closing devices manufactured to this standard:
0 : Not suitable for use on fire/smoke door assemblies
1 : Suitable for use on fire/smoke door assemblies,

6. Corrosion Resistance

Five grades of corrosion resistance are identified according to EN 1670:
0 : No defined corrosion resistance
1 : Mild resistance
2 : Moderate resistance
3 : High resistance
4 : Very high resistance

DC001



DATA AND FEATURES

Variable closing force	Spring Strength	3
Standard doors	950mm 60 kg	■
Body dimensions (mm)	Length	180
	Height	63
	Projection	41.5
Arm	Standard	■
Rack and pinion		■
Power shoe arm bracket		■
Angle of opening		180°
Power adjustable by position		■
Sweep speed adjustable		■
Latching speed adjustable		■
Delayed action adjustable		■
Non-handed		■
Application	Regular (1)	■
	Parallel arm (66)	■
	Transom (61)	■
Guarantee / years	5 years	

■ Yes

- Guarantee

A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials
- Power-shoe arm bracket

Designed to be reversed to increase final closing power by approximately 15%

- Power adjustable # 3 by position EN, fire rated 120 minutes (Timber doors).
- Certifire No. CF 6027.
- Used with door assemblies of proven fire resistance (as defined in BS EN 1634-1) and having power ratings appropriate to the leaf sizes subject to a minimum size 3 (as specified in BS EN 1154:1997)
- Classification acc. to European standard EN 1154:1997

4	8	3	1	1	3
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Protection against

Fire

Corrosion

DC002



DATA AND FEATURES

Variable closing force	Spring Strength	2 to 4
Standard doors	850mm 45kg	■
	950mm 60kg	■
	1100mm 80kg	■
Body dimensions (mm)	Length	220
	Height	52
	Projection	45
Arm	Standard	■
	Parallel	optional
	Track (standard)	optional
	Track (hold - open)	optional
Rack and pinion		■
Power-shoe arm bracket		■
Angle of opening		105°
Power adjustable by position		■
Sweep speed adjustable		■
Latching speed adjustable		■
Back-Check	Self-regulating	optional
	Adjustable by Valve	optional
Delayed action adjustable		optional
Non-handed		■
With cover	Stainless steel 304	optional
Application	Regular (1)	■
	Parallel arm (66)	optional
	Transom (61)	■
Guarantee / years		5 years

■ Yes

- Guarantee**

A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials
- Power-shoe arm bracket**

Designed to be reversed to increase final closing power by approximately 15%
- Back-Check**

Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop .

- Power adjustable # 2 to # 4 by position EN, fire rated 120 minutes (Timber doors).
- Certifire No. CF 6027.
- Used with door assemblies of proven fire resistance (as defined in BS EN 1634-1) and having power ratings appropriate to the leaf sizes subject to a minimum size 3 (as specified in BS EN 1154:1997)
- Classification acc. to European standard EN 1154: 1997

3	8	4/2	1	1	3
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Protection against

Fire Corrosion



DC003



DATA AND FEATURES

Variable closing force	Spring Strength	2 to 5
Standard doors	750mm 25 kg	■
	850mm 45 kg	■
	950mm 60 kg	■
	1100mm 80 kg	■
	1250mm 100 kg	
Body dimensions (mm)	Length	227
	Height	60
	Projection	43.4
Arm	Standard	■
	Parallel	optional
	Track (standard)	optional
	Track (hold - open)	optional
Rack and pinion		■
Power shoe arm bracket		■
Angle of opening		180°
Power adjustable by position		■
Sweep speed adjustable		■
Latching speed adjustable		■
Back- Check	Adjustable by Valve	■
Delayed action adjustable		optional
Non-handed		■
With cover	Stainless steel 304	optional
Application	Regular (1)	■
	Parallel arm (66)	optional
	Transom (61)	■
Guarantee / years		5 years

■ Yes

- Guarantee**

A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials
- Power-shoe arm bracket**

Designed to be reversed to increase final closing power by approximately 15%
- Back-Check**

Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop .
- Delayed action**

Provides prolonged closing time to assist passage of trolleys, wheel chairs, elderly people etc.

- Power adjustable # 2 to # 5 by position EN, fire rated 120 minutes (Timber doors).
- Certifire No. CF 6027.
- Used with door assemblies of proven fire resistance (as defined in BS EN 1634-1) and having power ratings appropriate to the leaf sizes subject to a minimum size 3 (as specified in BS EN 1154:1997)
- Classification acc. to European standard EN 1154: 1997

4	8	5/2	1	1	3
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Protection against

Fire Corrosion



DC004



DATA AND FEATURES

Variable closing force	Spring Strength (EN)	3 to 6
Standard doors	850mm 45kg	■
	950mm 60kg	■
	1100mm 80kg	■
	1250mm 100 kg	■
	1400mm 120 kg	■
Body dimensions (mm)	Length	287
	Height	60
	Projection	43.5
Arm	Standard	■
	Parallel	optional
	Track (standard)	optional
	Track (hold - open)	optional
Rack and pinion		■
Power-shoe arm bracket		■
Angle of opening		180°
Power adjustable by spring		■
Sweep speed adjustable		■
Latching speed adjustable		■
Back- Check	Self-regulating	optional
Non-handed		■
With cover	Stainless steel 304	optional
Application	Regular (1)	■
	Parallel arm (66)	optional
	Transom (61)	■
Guarantee / years	5 years	

■ Yes

- Guarantee

A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials
- Power-shoe arm bracket

Designed to be reversed to increase final closing power by approximately 15%
- Back-Check

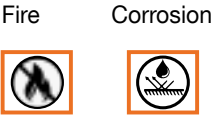
Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop .
- Delayed action

Provides prolonged closing time to assist passage of trolleys, wheel chairs, elderly people etc.

- Power adjustable # 3 to # 6 by position EN, fire rated 120 minutes (Timber doors).
- Certifire No. CF 6027.
- Used with door assemblies of proven fire resistance (as defined in BS EN 1634-1) and having power ratings appropriate to the leaf sizes subject to a minimum size 3 (as specified in BS EN 1154:1997)
- Classification acc. to European standard EN 1154: 1997

4	8	6/3	1	1	3
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Protection against



DC006



DATA AND FEATURES

Variable closing force	Spring Strength	1 to 6
Standard doors	750mm 25 kg	■
	850mm 45 kg	■
	950mm 60 kg	■
	1100mm 80 kg	■
	1500mm 150 kg	■
Body dimensions (mm)	Length	248
	Height	70
	Projection	44.5
Arm	Standard	■
	Parallel	optional
	Track (standard)	optional
	Track (hold - open)	optional
Rack and pinion		■
Power shoe arm bracket		■
Angle of opening		180°
Power adjustable by position		■
Sweep speed adjustable		■
Latching speed adjustable		■
Back- Check	Adjustable by Valve	■
Delayed action adjustable		optional
Non-handed		■
With cover	Stainless steel 304	optional
Application	Regular (1)	■
	Parallel arm (66)	optional
	Transom (61)	■
Guarantee / years	5 years	

■ Yes

- Guarantee

A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials
- Power shoe arm bracket

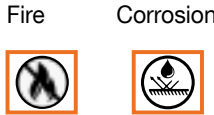
Designed to be reversed to increase final closing power by approximately 15%
- Back-Check

Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop .
- Delayed action

Provides prolonged closing time to assist passage of trolleys, wheel chairs, elderly people etc.

- Power adjustable #1 to #6 by position EN , (Metal doors).
- Designed to be used with fire doors rated up to and including 3Hrs.
- Used with door assemblies of proven fire resistance
- UL Listed, Fire rated UL 10C – R40739

Protection against



PA406



Model	Material	Finish	Max. Door Thickness
PA406P	Steel	Silver	50 mm
PA406S	Stainless Steel 304	Stain	50 mm

Panic device vertical rod type, half length touch bar exit device

- Door Style: Single and double doors
- Non handed
- Security Anti-thrust latch
- ANSI/BHMA A156.3 (2014) Grade 1 , ANSI / UL 10C , ANSI/UL 305
- Used for metal and wooden doors
- UL listed - R40737, fire rated
- CE - Mark
- Certified to EN1125:2008

3	7	6	B	1	4	2	2	B	A
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Protection against

Fire



Corrosion



PA03V



Model	Material	Finish	Max. Door Thickness
PA03V-P	Steel	Silver	45-55 mm
PA03V-S	Stainless Steel 304	Stain	45-55 mm

Panic exit device, vertical rod type

- Vertical Rod type full length touch bar.
- Door Style: Single and double doors
- 2 locking points for double door.
- Non handed and easily reversible
- UL listed – R40737 , ANSI / UL 10C , 3hours fire-rated.
- Used for metal and timber doors

Protection against

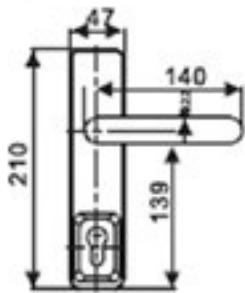
Fire



Corrosion



THKP010



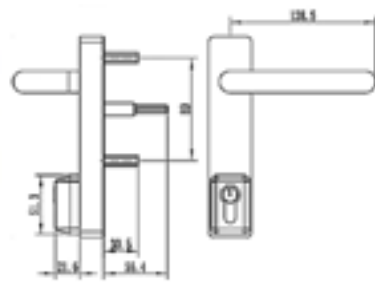
Trim lever with plate, Stainless steel

- Non handed
- Used for metal and timber doors
- Used for panic exit device Model : PA401P/S , PA406P/S , PA402P/S and PA407P/S
- Used for panic exit device, of Classification Grade of EN 1125:2008

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Material	Finish	Max. Door Thickness
Stainless Steel 304	Stain	45-50mm

THKP109



Trim handle for panic exit device

- Non handed
- Used for metal and timber doors
- Used for panic exit device Model : PA02RP/S , PA02VP/S , PA03RP/S and PA03VP/S

	Material	Finish	Max. Door Thickness
Backplate	zinc alloy	Stain	50mm
Handle	Stainless Steel 304		



PA401

CE

0905

UL

LISTED



Model	Material	Finish	Max. Door Thickness
PA401P	Steel	Silver	50 mm
PA401S	Stainless Steel 304	Stain	50 mm

Panic device rim type, half length touch bar exit device

- Door Style: Single and double doors
- Non handed
- Security Anti-thrust latch
- ANSI/BHMA A156.3 (2014) Grade 1 , ANSI / UL 10C , ANSI/UL 305
- Used for metal and wooden doors
- UL listed - R40737, fire rated
- CE - Mark
- Certified to EN1125:2008

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Protection against

Fire

Corrosion





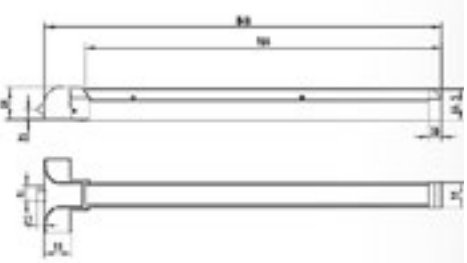

CE

0905

PA03R

UL

LISTED



Model	Material	Finish	Max. Door Thickness
PA03R-P	Steel	Silver	45-55 mm
PA03R-S	Stainless Steel 304	Stain	45-55 mm

Panic exit device, Rim type,

Panic device rim type full-length touch bar

- Door Style: Single and double doors
- Non handed and easily reversible
- UL listed – R40737 , ANSI / UL 10C , 3hours fire-rated.
- Used for metal and timber doors

Protection against

Fire

Corrosion





THL004



Entrance Trim lever with rosette, Stainless steel

- Non handed
- Used for metal and timber doors
- Used for panic exit device Model : PA401P/S , PA406P/S , PA402P/S and PA407P/S
- Used for panic exit device, of Classification Grade of EN 1125:2008

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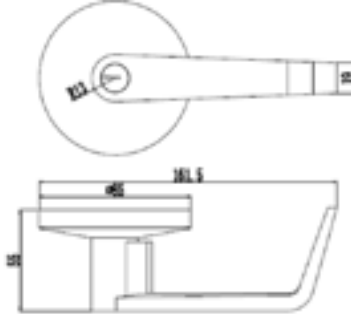

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Material	Finish	Max. Door Thickness
Stainless Steel 304	Stain	45-50mm

THL102



Trim handle for panic exit device

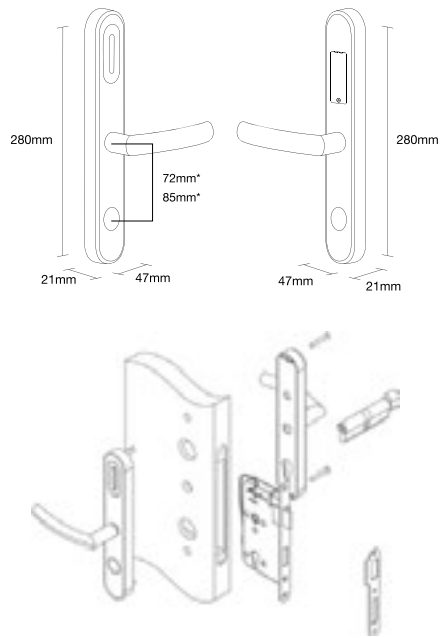
- Non handed
- Used for metal and timber doors
- Used for panic exit device Model : PA02RP/S , PA02VP/S , PA03RP/S , PA03VP/S

Material	Finish	Max. Door Thickness
Stainless Steel 304	Stain	Up to 65mm

Digital Solutions



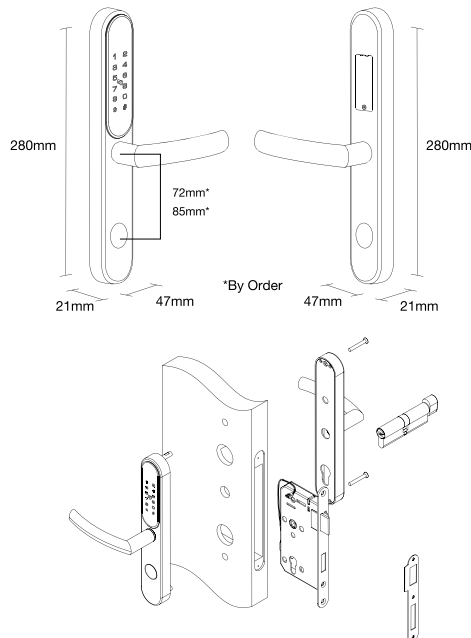
AHM- HTL



Technical Specifications

Material	Stainless Steel 304
Technology	Mifare® (Classic ISO/EC14443-4)
Opening method	Proximity
Emergency open	Mechanical key
Power	DC 6V (AAA*4)
Battery lifetime	~12 Months
Leds	Green and red
Low battery alarm	3 Long tick before operation
Driving consumption	350 MA
Open time	7 S
Number of openings	5000 Openings (1year)
Stand alone	Yes
IP	IP 54 (IP56 by request)
Reading distance	≤ 55 mm
Recognition	0.5 S
Weight	1.2 kg
Resistance of humidity	<95%
Work temperature	-20°C to +65°C
Storage temperature	-40°C to +80°C
Door thickness	30 mm to 55 mm

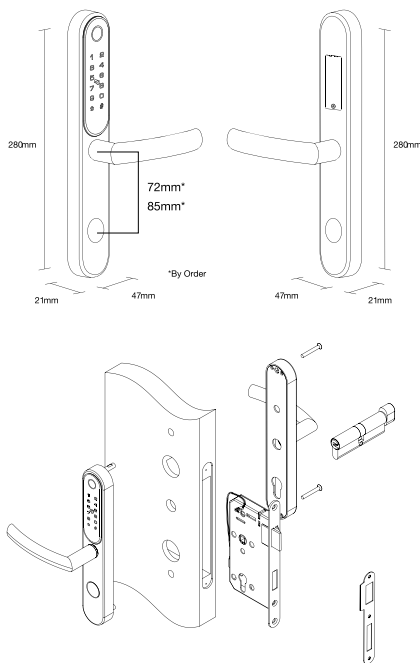
AHM-CODE



Technical Specifications

Material	Stainless Steel 304
Technology	Mifare® (Classic ISO/IEC 14443-4) or Bluetooth
Opening Method	PIN Code
Emergency Open	Mechanical key
Power	DC 6V (AAA*4)
Battery Lifetime	~12 Months
Leds	White
Low Battery Alarm	3 Long tick before operation
Driving Consumption	< 200 MA
Open Time	1.5 S
Number Of Openings	5000 Openings (1year)
Stand Alone	Yes
IP	IP 65
Reading Distance	-
Recognition	0.5 S
Weight	1.2 kg
Resistance Of Humidity	30%-95%
Work Temperature	-20°C to +60°C
Storage Temperature	-
Door Thickness	30 mm to 55 mm

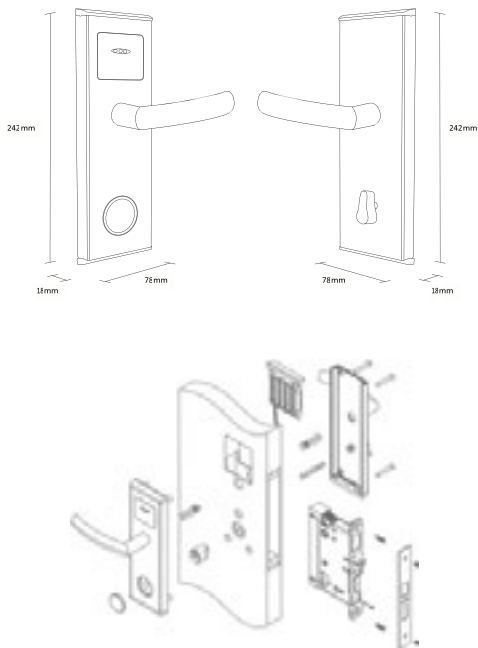
AHM-FP



Technical Specifications

Material	Stainless Steel 304
Technology	Finger Print, Pin Code or Mifare® (Classic ISO/ IEC14443-4) or Bluetooth
Opening method	-
Emergency open	Mechanical key
Power	DC 6V (AAA*4)
Battery lifetime	~12 Months
Leds	White
Low battery alarm	3 Long tick before operation
Driving consumption	< 200 MA
Open time	1.5 S
Number of openings	5000 Openings (1year)
Stand alone	Yes
IP	IP 65
Recognition	0.5 S
Weight	1.2 kg
Resistance of humidity	30%-95%
Work temperature	-20 °C to + 60 °C
Door thickness	30 mm to 55 mm

AHM- CLAASIC



Technical Specifications

Material	Stainless Steel 304
Technology	Mifare® (Classic ISO/EC14443-4)
Opening method	Proximity
Emergency open	Mechanical key
Power	DC 6V (AA*4)
Battery lifetime	~12 Months
Leds	Green and red
Low battery alarm	3 Long tick before operation
Driving consumption	350 MA
Open time	1.5 S
Number of openings	5000 Openings (1year)
Stand alone	Yes
IP	IP 54 (IP65 by request)
Reading distance	55 mm
Recognition	0.5 S
Weight	3 kg
Resistance of humidity	-20 °C to + 65 °C
Work temperature	-20 °C to + 65 °C
Storage temperature	-40 °C to + 80 °C
Door thickness	30 mm to 55 mm

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