AHRAM
Security Group

Architectural Hardware Solutions

WELCOME TO

AHRAM
Security Group

78 years of heritage & pioneering
built on commitment and precision

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

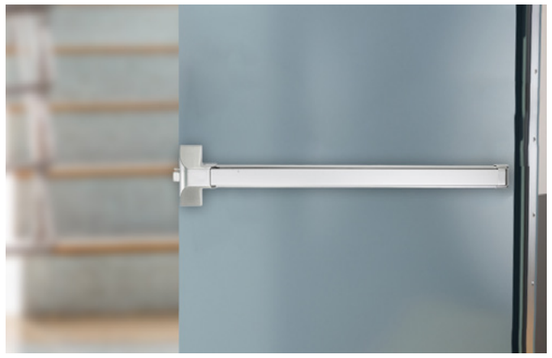
Full range of Opening Solutions

2022

Fire resistance & CE Certified products

2024

Global Expansion



About us

“GIVING YOU THE POWER TO PROTECT WHAT MATTERS“

Ahram Security Group (ASG) is a leading manufacturing company in the field of security, locking systems and door accessories. Being a locally trusted market leader and a strong brand with expanding regional and global footprint, we are continually committed to making each and every one of our customers know, that through us, safety is found.

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.

ASG offers a wide multi-tier portfolio for all security and installation requirements, customizable for any application or finish. With a rich history of 75 years of experience, ASG has been successfully securing millions of homes and businesses in Egypt and worldwide, with specific focus on residential, administrative and commercial sectors, touristic and educational entities.

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.

Certifications

certifire

CERTIFICATE OF APPROVAL
No CF 6027

AHRAM SECURITY GROUP

10TH OF RAMADAN CITY
3RD INDUSTRIAL ZONE A1
SHARQIYA
EGYPT

TEL: +20554449460

CERTIFIED PRODUCT: AFM Surface Mounted Overhead Door Closers

TECHNICAL SCHEDULE: TS 34 - The Construction Of Controlled Door Closing Devices And Accessories To Fire Resisting Doorsets

Signed and sealed for and on behalf of Warringtonfire Testing and Certification Limited

Paul Duggan
Certification Manager

Issued: 22nd October 2019
Reissued: 9th June 2025
Valid to: 20th October 2029

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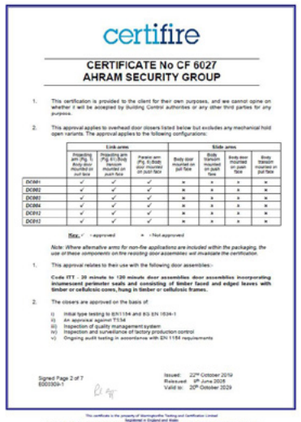
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CERTIFICATE No CF 6027
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1. This certification is provided to the client for their own purposes, and we cannot opine on whether it will be accepted by Building Control authorities or any other third parties for any purpose.
2. This approval applies to overhead door closers listed below but excludes any mechanical hold open variants. The approval applies to the following configurations:

Unit arms			Slide arms			
	Projecting arm (Fig. 1), Body door mounted on pull face	Projecting arm (Fig. 2) / Body transom mounted on push face	Parallel arm (Fig. 3) / Body door mounted on push face	Body door mounted on pull face	Body door mounted on push face	Body transom mounted on pull face
DC001	✓	✓	✓	x	x	x
DC002	✓	✓	✓	x	x	x
DC003	✓	✓	✓	x	x	x
DC004	✓	✓	✓	x	x	x
DC012	✓	✓	✓	x	x	x
DC013	✓	✓	✓	x	x	x

Key: ✓ - approved x - Not approved

Note: Where alternative arms for non-fire applications are included within the packaging, the use of these components on fire resisting door assemblies will invalidate the certification.

1. This approval relates to their use with the following door assemblies:-

Code ITT - 20 minute to 120 minute door assemblies door assemblies incorporating intumescent perimeter seals and consisting of timber faced and edged leaves with timber or cellulosic cores, hung in timber or cellulosic frames.

2. The closers are approved on the basis of:

i) Initial type testing to BS1154 and BS EN 1634-1
ii) An appraisal against TS34
iii) Inspection of quality management system
iv) Inspection and surveillance of factory production control
v) Ongoing audit testing in accordance with BS 1154 requirements

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3. This approval is applicable only to the specified closers when mounted in the applications stated later under the classification codes section of this certificate and used with door assemblies that are CERTIFIRE approved or have achieved the appropriate fire resistance performance when tested at a laboratory accredited to ISO/IEC 17025 (under International Laboratory Accreditation Cooperation (ILAC) membership), in accordance with BS 476: Part 22: 1987 and/or 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).
4. Where the closer body is transom mounted the closer shall be fitted directly to the frame head, and the frame head shall be increased in height to accommodate the full closer body.
5. The closers shall be fixed with screws supplied by the closer manufacturer. Bolt-through fixings shall not be used.
6. Where the closers are fitted to door leaves or frames that are manufactured from mineral-based materials, or low-density cellulosic based material, the door assembly shall have previously been shown capable of accommodating the installation of closers at the head of the doorset, without detriment to the door assembly's performance.
7. The approval relates to on-going production. Product and/or its immediate packaging is identified with the manufacturer's name, the product name or number, the CERTIFIRE name or name and mark, together with the CERTIFIRE certificate number and application where appropriate.

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CERTIFICATE No CF 6027
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8. The following tables show acceptable doorsets types and fire resistance periods:

Approved Door Type				
Class	MM	IMM	ITT	ITM
FD20	x	x	✓	x
FD30	x	x	✓	x
FD60	x	x	✓	x
FD120	x	x	✓	x
FD240	x	x	x	x
E 20	x	x	✓	x
EI 20	x	x	✓	x
E 30	x	x	✓	x
EI 30	x	x	✓	x
E 60	x	x	✓	x
EI 60	x	x	✓	x
E 90	x	x	✓	x
EI 90	x	x	✓	x
E 120	x	x	✓	x
EI 120	x	x	✓	x
E 240	x	x	x	x
EI 240	x	x	x	x

Key:
✓ - approved
x - Not approved

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9. Doors are categorised as the following types:

Code ITT - 20 minute to 120 minute door assemblies door assemblies incorporating intumescent perimeter seals and consisting of timber faced and edged leaves with timber or cellulosic cores, hung in timber or cellulosic frames.

Code ITM - 20 minute to 120 minute door assemblies door assemblies incorporating intumescent perimeter seals and consisting of timber faced and edged leaves with timber or cellulosic cores, hung in steel frames.

Code IMM - 20 to 240 minute door assemblies consisting of uninsulated or insulated predominantly steel leaves, hung in steel frames without intumescent seals.

Code IMM - 30 to 240 minute door assemblies consisting of uninsulated or insulated predominantly steel leaves, hung in steel frames with intumescent seals.

Scope of Approval:

- Doors may not include uninsulated glass above 25% of their total area. Uninsulated glass shall not be included directly beneath the door closer body
- The closers may not be fitted to timber doorsets without perimeter intumescent fire seals within the frame rebate or door edge.
- Mechanical Hold open option is not approved
- The following functions are supported by this certification:

Closer Ref	Application	Latch Control	Backcheck	Delayed-Action
DC001	Projecting arm (Fig. 1) & Projecting arm (Fig. 61)	Yes	No	No
DC001	Parallel arm (Fig. 6)	No	No	No
DC002	Projecting arm (Fig. 1)	Yes	Yes	No
DC002	Projecting arm (Fig. 61)	Yes	No	No
DC002	Parallel arm (Fig. 6)	Yes	No	No
DC003	All applications	Yes	No	No
DC004	All applications	Yes	Yes	No
DC012	Projecting arm (Fig. 1)	Yes	Yes	No
DC012	Projecting arm (Fig. 2) & Parallel arm (Fig. 6)	Yes	No	No
DC013	Projecting arm (Fig. 1)	Yes	Yes	No
DC013	Projecting arm (Fig. 61)	Yes	No	No
DC013	Parallel arm (Fig. 6)	No	No	No

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Classification Codes

DC001 when mounted in projecting arm (Figure 1):

4	8	3	1	1	3

DC001 when mounted in parallel arm (Figure 6) and transom mount (Figure 61):

3	8	3	1	1	3

DC002 when mounted in projecting arm (Figure 1):

3	8	4 / 2	1	1	3

DC002 when transom mounted in projecting arm (Figure 61):

3	8	3 / 2	1	1	3

DC002 when mounted in parallel arm (Figure 6):

3	8	3	1	1	3

DC003 when mounted in projecting arm (Figure 1):

3	8	5 / 2	1	1	3

DC003 when mounted in transom mount (Figure 61):

3	8	4 / 2	1	1	3

DC003 when mounted in parallel arm (Figure 6):

3	8	3	1	1	3

DC004 when mounted in projecting arm (Figure 1):

4	8	5 / 3	1	1	3

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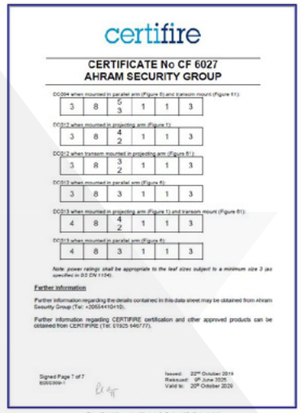
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DC004 when mounted in parallel arm (Figure 6) and transom mount (Figure 61):

3	8	5 / 3	1	1	3

DC012 when mounted in projecting arm (Figure 1):

3	8	4 / 2	1	1	3

DC012 when transom mounted in projecting arm (Figure 61):

3	8	3 / 2	1	1	3

DC012 when mounted in parallel arm (Figure 6):

3	8	3	1	1	3

DC013 when mounted in projecting arm (Figure 1) and transom mount (Figure 61):

4	8	4 / 2	1	1	3

DC013 when mounted in parallel arm (Figure 6):

4	8	3	1	1	3

Note: power ratings shall be appropriate to the leaf sizes subject to a minimum size 3 (as specified in BS EN 1154).

Further information

Further information regarding the details contained in this data sheet may be obtained from Ahram Security Group (Tel: +20554410410).

Further information regarding CERTIFIRE certification and other approved products can be obtained from CERTIFIRE (Tel: 01925 646777).

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Issued: 22nd October 2019
Reissued: 9th June 2025
Valid to: 20th October 2029

Certifications //

CERTIFICATE OF CONSTANCY OF PERFORMANCE

0905-CPR-220952-01

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 - 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 and produced in the manufacturing plant(s): **Ahram Security Group**
Industrial Zone A1-10th of Ramadan City- Sharqeya- **Egypt**
Ahram Security Group
Industrial Zone A1-10th of Ramadan City- Sharqeya- **Egypt**

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 was first issued on **2022-08-16** 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, confirm full compliance and conformity to all other European mandatory directives and regulations that may also apply.

CE
0905

Signature: **Date:** **2022-08-16**
Issue: **01**
Name: **Dipl.-Ing. Roland Heine** **Position:** **Certification Manager**

CERTIFICATE OF CONSTANCY OF PERFORMANCE

0905-CPR-220952-01

APPENDIX TO: Certificate of Constancy of Performance

Brand: **ahm**
Model Ref: H2

Table A1. Product Description for Hinges from Ahram Security Group

Model	Sizes L * W * t	Type [1]	Knuckles	Material of leaf [2]
H2	Code: WPMRH003	4" X 3" X 3mm, Sharp Edge	288 butt hinge	5	1.4301
H2	Code: WPMRH005	4" X 3" X 3mm, Round Edge	288 butt hinge	5	1.4301
H2	Code: WPMRH006	4" X 4" X 3mm, Sharp Edge	288 butt hinge	5	1.4301
H2	Code: WPMRH007	4" X 4" X 3mm, Round Edge	288 butt hinge	5	1.4301

Notes:
1. BB-ball bearings
2. Refer to EN 10088-1 for European Designation (EN) for stainless steels.
3. Satin finish Veined

Table A2. Mechanical test report(s) and product classification for hinges from Ahram Security Group

Mechanical test reports	Model Tested [3]	Product Classification							
211206001SHF-001-R1	H2- WPMRH003	4	7	6	17	5	4	0	13

Notes:
1. Digit 4 becomes "1" after successful outcome of fire resistance test (refer to Table A3).
2. Single axis hinges are to be installed in accordance with the installation instructions for the product(s).
3. Other models in Table A1 were assessed as having same performance.

CERTIFICATE OF CONSTANCY OF PERFORMANCE

0905-CPR-220952-01

Table A3. Fire test report(s) for hinges from Ahram Security Group

Fire test reports	Model Tested	Test Method	Fire Resistance (minutes)
			Integrity (E)
220323014SHF-001	H2- WPMRH003	EN 1634-1 2014+A1 2018	92
Test configuration:	Single leaf single action swing steel fire door assembly		
Orientation:	Open away the furnace		
Model numbers assessed as having same performance: models listed in Table A1 above.			

Fire test reports	Model Tested	Test Method	Fire Resistance (minutes)	
			Integrity (E)	Insulation (I)
220505002SHF-001	H2- WPMRH003	EN 1634-1 2014+A1 2018	80	80
Test configuration:	Single leaf single action swing timber composite fire door			
Orientation:	Open into the furnace			
Model numbers assessed as having same performance: H2- WPMRH006				

CERTIFICATE OF CONSTANCY OF PERFORMANCE

0905-CPR-220108-01

Table A2. Mechanical test report(s) and product classification for Panic Exit Device(s) from Ahram Security Group [a] [b]

Mechanical test reports	Model List	Product Classification									
20050614GZU-003	PA401P	3	7	6	8[c]	1	4	2	2	B	A
	PA402S	3	7	6	8[c]	1	4	2	2	B	A
	PA402P	3	7	6	8[c]	1	4	2	2	B	A
	PA402S	3	7	6	8[c]	1	4	2	2	B	A
20050614GZU-002	PA406P	3	7	6	8[c]	1	4	2	2	B	A
	PA406S	3	7	6	8[c]	1	4	2	2	B	A
	PA407P	3	7	6	8[c]	1	4	2	2	B	A
	PA407S	3	7	6	8[c]	1	4	2	2	B	A

Notes:
a. The panic exit device(s) are to be installed in accordance with the installation instructions for the product(s).
b. Digit 4 grade "8" was based on the best result from fire resistance test(s) (Refer to Table A3).

CERTIFICATE OF CONSTANCY OF PERFORMANCE

0905-CPR-220108-01

Table A3. Fire test report(s) for Panic Exit Device(s) from Ahram Security Group

Fire test reports	Model List	Test Method	Test Door Orientation	Fire resistance (Minutes)	
				Integrity (E)	Insulation (I)
SINGLE ACTION SINGLE LEAF SWING TIMBER COMPOSITE FIRE DOOR ASSEMBLY					
171019004SHF-BP-1 [1]	PA401P	EN 1634-1 2014	INTO	60	60
AU1013431-3 [2]	PA402P	EN 1634-1 2014	AWAY	60	60
171019004SHF-BP-2 [2]	PA407P	EN 1634-1 2014	INTO	60	60
AU1013431-4 [2]	PA407P	EN 1634-1 2014	AWAY	90	90
SINGLE ACTION DOUBLE LEAVES SWING TIMBER COMPOSITE FIRE DOOR ASSEMBLY					
AU1013431-6 [3]	PA402P (active) PA407P (inactive)	EN 1634-1:2014	INTO	70	70
AU1013431-5 [3]	PA402P (active) PA407P (inactive)	EN 1634-1 2014	AWAY	70	70
SINGLE ACTION SINGLE DOOR METAL (STEEL) LEAF & METAL (STEEL) FRAME [4]					
20050600SHF-001 [4]	PA402P	EN 1634-1:2014+A1:2018	INTO	120	N/A
			AWAY	120	N/A
SINGLE ACTION DOUBLE DOOR METAL (STEEL) LEAF & METAL (STEEL) FRAME [4]					
20050600SHF-002 [4]	PA402P (active) CMP436P (inactive)	EN 1634-1:2014+A1:2018	INTO	120	N/A
20050600SHF-003 [4]	PA402P (active) CMP436P (inactive)	EN 1634-1:2014+A1:2018	AWAY	120	N/A

Notes:
1. Test orientation: Open into the furnace or Open away from the furnace.
2. PA402S, PA401P and PA402S were assessed as having same performance.
3. PA407S, PA406P and PA406S were assessed as having same performance.
4. (PA402S, PA407S), (PA402S/S, PA407P/S), (PA402P/S, PA406P/S) were assessed as having same performance.
5. The test doors were uninsulated steel doors. Test Integrity only.
6. (PA402S, PA436P) were assessed as having same performance.

CERTIFICATE OF CONSTANCY OF PERFORMANCE

0905-CPR-220952-01

Table A4. Single axis hinges - EN 1935 Table ZA.1 Clauses for Hinges from Ahram Security Group

Product:	Single-axis hinges as defined in clause 1 of this standard.	
Intended Uses:	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)	
Requirement / characteristic	**Requirement clauses in this European Standard**	**Results**
Self-closing	5.1 Initial friction torque	Less than 4.0 Nm with door mass 120 kg
	5.2 Static load - Load deformation	Grade 13, pass with a displacement under load: -Lateral: 4 mm; -Vertical:<2 mm And a residual displacement after unloading: -Lateral:≤ 0.2 mm; -Vertical: ≤0.3 mm
	5.2 Static load - Overload	Grade 13, Overload mass 360 kg
	5.3 Shear strength	No breakage and cracking Additional lateral displacement after loading < 3 mm Additional lateral and vertical displacement after unloading < 1 mm
	5.6 Hinges for use on fire-resistant and/or smoke-control doors	Grade 1, suitable for use on fire resistant door assemblies (see Table A3).
Durability	5.4 Durability	Grade 7 (200,000 cycles) Maximum wear: -Lateral:≤ 0.2mm -Vertical: < 1 mm; Maximum frictional torque: - After 20 cycles and completion of 200,000 cycles, less than 4.0 N
	5.5 Corrosion resistance	Grade 4, Neutral Salt Spray (NSS) – 240 hours
Dangerous substances	Note 1 of ZA 1	No dangerous substances declared for this product/intended use

END OF DOCUMENT

CERTIFICATE OF CONSTANCY OF PERFORMANCE

0905-CPR-220952-01

Table A4. Annex ZA Table ZA.1 Clauses for panic exit devices for Ahram Security Group

Product:	Panic exit devices operated by a horizontal bar as covered by the scope of EN1125.	
Intended Uses:	**For doors on escape routes.**	
Requirement / characteristic	**Requirement clauses in this European Standard**	**Results**
Ability to release (for doors on escape routes)	4.1.2 Release function	1 1 1
	4.1.3 Panic exit device mounting	Surface-mounted on inner face of door leaf.
	4.1.5 Exposed edges and corners	No sharp edges
	4.1.7 Double dooreset	Pass
	4.1.9 Bar installation	E< 150 mm
	4.1.10 Bar length	X/Y> 60%
	4.1.11 Bar projection	Slim-meld projection Category 2: W <300 mm
	4.1.12 Bar end	The operating bar does not protrude beyond either of the end support brackets.
	4.1.13 Operating bar face	Type A, V = 18 mm
	4.1.14 Test rod	The device does not trap the test rod in any position of the operating bar
	4.1.15 Door face gap	R> 25 mm
	4.1.16 Accessible gap	The test piece placed in any accessible gap cannot prevent the correct operation of the device
	4.1.17 Door free movement	The device does not include any element impeding the free movement of the door once it is released
	4.1.18 Top vertical bolt	Pass (PA406P, PA406S, PA407P, PA407S only)
	4.1.20 Keepers	The keeper protects the door frame from the damage caused by the door closing and opening
	4.1.21 Keepers dimensions	Pass (PA406P, PA406S, PA407P, PA407S only)
	4.1.23 Door mass and dimensions	Max 200 kg, height ≤ 2500 mm, width 650 to 1168 mm (for PA401P/S and PA408P/S), width 550mm to 1200mm (for PA402P/S and PA407P/S) (dimensions-mechanical only)
	4.1.24 Outside access device	Pass
	4..2.2 Release forces	< 80 N with the door unloaded < 220 N with the door loaded with 1 000 N
	4.2.7 Security requirement	Grade 2: the device remains locked when a force of 1000N is applied to the door

CERTIFICATE OF CONSTANCY OF PERFORMANCE

0905-CPR-220108-01

Table A4. Annex ZA Table ZA.1 Clauses for panic exit devices for Ahram Security Group

Durability of ability to release against aging and degradation (for doors on escape routes)	4.1.4, 4.2.3 Corrosion resistance	Grade 4: Very high resistance (240 hours)
	4.1.6 Temperature range	-10°C; +60°C
	4.1.19 4.2.6 Covers for vertical rods	Pass (PA406P, PA406S, PA407P, PA407S only)
	4.1.22 Lubrication	Refer to Manufacturer's Maintenance Instructions
Self closing ability C (for fire/smoke doors on escape routes)	4.2.3 Re-engagement force	< 50 N
	4.2.4 Durability	Grade 7: 200 000 test cycles
	4.2.5 Abuse resistance – Horizontal bar	Pass
	4.2.6 Abuse resistance –Vertical rod	NPD – No performance Determined
	4.2.8, 4.2.2; 4.3.17 Final examination	The device is released with a force: 80 N, with the door unloaded, and < 220 N, with the door loaded with 1 000 N, and the door moves freely
Durability of self closing ability C against aging and degradation (for fire/smoke doors on escape routes)	4.2.3 Re-engagement force	< 50 N
	4.2.4 Durability	Grade 7: 200 000 test cycles
	4.2.5 Re-engagement force	< 50 N
Resistance to fire E (integrity) and (insulation) (for fire doors on escape routes)	4.1.8; Annex B Suitability of panic exit devices for use on fire/smoke resisting door assemblies –	Grade B: suitable for use on fire/smoke resisting door assemblies (refer to Table A3).
Control of Dangerous substances	4.1.25 Dangerous substances	No dangerous substances declared for this product/intended use

END OF DOCUMENT

CERTIFICATE OF CONSTANCY OF PERFORMANCE

0905-CPR-220108-01

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 and produced in the manufacturing plant(s): **Ahram Security Group**
10th of Ramadan city, Industrial Zone A3, Sharqeya, **Egypt**
56-153%

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 first issued on **2022-03-22** 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, confirm full compliance and conformity to all other European mandatory directives and regulations that may also apply.

CE
0905

Signature: **Date:** **2022-03-22**
Issue: 01
Name: **Dipl.-Ing. Roland Heine** **Position:** **Certification Manager**

CERTIFICATE OF CONSTANCY OF PERFORMANCE

0905-CPR-220108-01

APPENDIX TO: Certificate of Constancy of Performance

Brand: **ahm**
Model Ref: PA401P, PA401S, PA402P, PA402S, PA406P, PA406S, PA407P, PA407S

Table A1. Model number(s) details for Panic Exit Device(s) from Ahram Security Group

Model List	Single Door	Double Door		Lock & Latch Type	Material (Thumb Bar)
		Active door	Inactive door		
PA401P	✓	✓	–	Latch	Carbon steel
PA401S	✓	✓	–	Latch	Stainless steel
PA402P	✓	✓	–	Latch	Carbon steel
PA402S	✓	✓	–	Latch	Stainless steel
PA406P	✓	–	✓	Vertical Bolt	Carbon steel
PA406S	✓	–	✓	Vertical Bolt	Stainless steel
PA407P	✓	–	✓	Vertical Bolt	Carbon steel
PA407S	✓	–	✓	Vertical Bolt	Stainless steel
Accessories					
THL004	Lever, outside access device				
THH006	Knob, outside access device				
THKP008	Knob, outside access device				
THKP010	Lever, outside access device				

Notes:
1. Building hardware tested for use on fire doors (both timber composite doors with timber frames and metal doors with metal frames), as described in Fire Resistance test reports (see summary Table A3)

Test Verification of Conformity

Verification Number: 220608009SHF-VOC1

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

Applicant Name & Address:	Ahram Security Group Industrial zone A1-10 th of ramadan city - Sharqiya – Egypt
Product Description:	Cylinder for Lock
Ratings & Principle Characteristics:	Product Classification: 3 7 6 8 1 4 2 2 B A
Models/Type References:	CP-24 Specification: 70mm, 80mm
Brand Names:	Ahm/Ahram
Specification+cn/Standards:	EN 1303:2015 Building hardware – Cylinder for locks – Requirements and test methods
Verification Issuing Office Name & Address:	Intertek Testing Services Shenzhen Ltd., Shanghai Fengxian Branch Plant 5, No. 6958 Daye Road, Fengxian District, Shanghai, China
Test Report Number(s):	210712002SHF-001, 220323014SHF-001, 220505002SHF-001

Signature

Name: Jodie Zhou
Position: Technical Manager,
Date: August 18, 2022

Test Verification of Conformity

Verification Number: 211116087GZU-VOC002

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

Applicant Name & Address:	Ahram Security Group Industrial zone A3 - 16 th of Ramadan city – Sharqiya - Egypt
Product Description:	Stainless steel lever handle
Ratings & Principle Characteristics:	Product Classification: 4 7 – 8S 1 4 4 0 B
Models/Type References:	SS303, SS302, SS305, SS04, HS302, SS304, SS305, SS306, SS307, SS05, SS308, SS309, SS05, SS01-016, SS01-012, SS02, SS08, SS07, SS08, SS09, SS10, SS11, SS12 and HS302
Brand Names:	ahm
Specification+cn/Standards:	BS 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 & 4205, No. 69, Punan Road, Huangpu District, Guangzhou, China
Date of Tests:	2021-11-22~2022-06-28
Test Report Number(s):	211116087GZU-002 dated 2023-01-09 and 221216086GZU-001 dated 2023-01-05

Nelson Zhu

Signature

Name: Nelson Zhu
Position: Technical Supervisor
Date: 09 January 2023

intertek
Total Quality. Assured.

CERTIFICATE OF CONSTANCY OF PERFORMANCE

0905-CPR-220949-01

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 - 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, and produced in the manufacturing plant(s): **Ahram Security Group**
Industrial Zone A1-10th of Ramadan City- Sharqiya- **Egypt**
Ahram Security Group
Industrial Zone A1-10th of Ramadan City- Sharqiya- **Egypt**

Intended use: 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 was first issued on **2022-08-15** 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.

CE
0905

Signature: **Date:** **2022-08-15**
Issue: **01**
Name: **Dipl.-Ing. Roland Heine** **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 authorised 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.

APPENDIX TO: Certificate of Constancy of Performance

Brand: AHRAM
Model Ref.: ME-34, ME-35, ME-36

Table A1. Product description for mechanically operated locks, latches and locking plates from Abram Security Group

Function	Model		Backset (mm)	C to C distance (mm)
Dead Bolt and Latch Bolt Lock	ME-34	Code: WPMME4021 (Sharp Faceplate)	55	72
		Code: WPMME4033 (Round Faceplate)		
Latch Bolt Lock	ME-35	Code: WPMME4022 (Sharp Faceplate)	55	72
		Code: WPMME4034 (Round Faceplate)		
Dead Bolt Lock	ME-36	Code: WPMME4023 (Sharp Faceplate)	55	72
		Code: WPMME4035 (Round Faceplate)		

Table A2. Mechanical test report(s) and product classification for mechanically operated locks, latches and locking plates[a, b] from Ahram Security Group

Mechanical test reports	Model List	Product Classification									
211014003SHF-001-R1	ME-34	3	X	8	1[a]	0	G	3	H	C	1	D
	ME-35	3	X	8	1[a]	0	G	3	H	D	1	D
	ME-36	3	X	8	1[a]	0	G	3	H	C	D	D

Table A3. Fire test report(s) for mechanically operated locks, latches and locking plates[a, b] from Ahram Security Group

Fire test reports	Model List	Test Method	Fire Resistance	
			Integrity (E)	Insulation (I)
220323014SHF-002	ME-34	EN 1634-1:2014+A1:2018	92	/
Test configuration:	Single leaf single action swing steel fire door assembly			
Orientation:	Open away from the furnace			
220505002SHF-002	ME-34	EN 1634-1:2014+A1:2018	80	80
Test configuration:	Single leaf single action swing timber fire door assembly			
Orientation:	Open into the furnace			
Model numbers in Table A1 were assessed as having same performance.				

Notes.
a. The lock and plate shall be installed in accordance with the installation instructions for the product(s).
b. Digit 4 grade "1" was based on the test result from fire resistance test (refer to Table A3).

Table A4. Annex ZA Table ZA.1 Clauses for Mechanically operated locks, latches and locking plates from Abram Security Group

Product:	Mechanical locks and their strike plates		
Intended Uses:	On fire and smoke compartmentation doors (to fulfil the self-closing requirements of such doors)		
Requirement / characteristic	Requirement clauses in this European Standard	Results	
		For Latch lock: ME-34, ME-35	For deadlocking bolt: ME-36
Self-closing ability	Closing force (5.4.2)	Grade 8, Less than 15N	NPD (No Performance Determined)
	Return force of latch bolt (5.1.2)	Pass, More than 2.5 N	NPD
Durability of self-closing action	Durability of latch action (5.3.1)	Grade X 200 000 cycles	NPD
Ability to maintain door in closed position and not contribute to the spread of fire	Resistance to side load on latch bolt (5.2.1)	Grade 3 1kN	NPD
	Suitability for use on fire/smoke doors (5.5.1)	Grade 1 (refer to Table A3)	
Control dangerous substances	Dangerous substances (5.1.1)	No dangerous substances declared for this product/ Intended use	

END OF DOCUMENT

AHRAM Security Group

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Handles

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
n 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

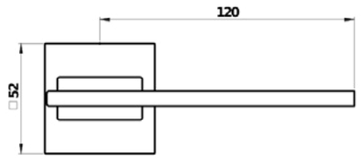
Type A: Spring assisted furniture
Type B: Spring loaded furniture
Type U: Un-sprung furniture

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

SPACE



Usage Applications

Standard Finishes

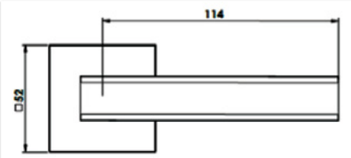
Antique Bronze
Satin Brown
Satin Nickel
Satin Gold
Bright Gold
Off White
Satin Graphite
Black

Other finishes upon request

Material

Zinc Alloy

AMR HELMY



Usage Applications

Standard Finishes

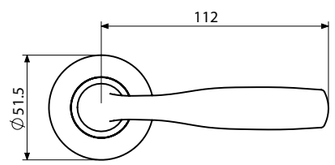
Antique Bronze
Satin Nickel
Satin Gold
Bright Gold
Off White
Satin Brown
Satin Graphite
Black

Other finishes upon request

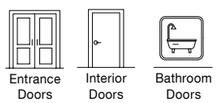
Material

Zinc Alloy

SHARK FH1101



Usage Applications



Standard Finishes

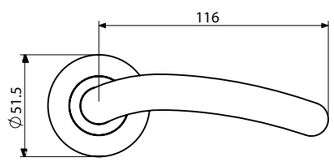
Satin Chrome
Satin Nickel
Bright Chrome
Antique Nickel
Satin Gold
Antique Bronze
Bright Gold
Black

Other finishes upon request

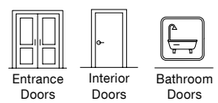
Material

Zinc Alloy

ALLEGRA FH1421



Usage Applications



Standard Finishes

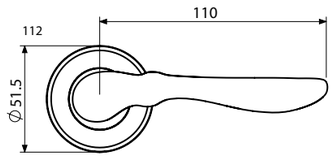
Satin Chrome
Satin Nickel
Bright Chrome
Satin Gold
Antique Bronze

Other finishes upon request

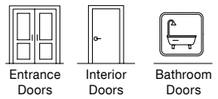
Material

Zinc Alloy

FIOCCA FH3351



Usage Applications



Standard Finishes

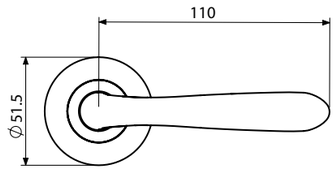
Satin Chrome
Satin Nickel
Bright Chrome
Bright Gold
Antique Bronze
Satin Antique
Antique Nickel
Black
Rose Gold
Antique Gold

Other finishes upon request

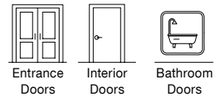
Material

Zinc Alloy

BELLE FH1561



Usage Applications



Standard Finishes

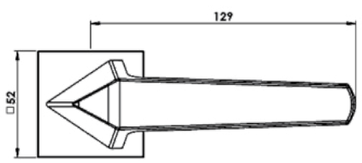
Satin Chrome
Satin Nickel
Bright Chrome
Bright Gold
Satin Gold
Antique Bronze
Antique Nickel
Black

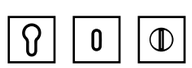
Other finishes upon request

Material

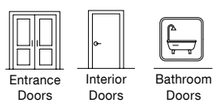
Zinc Alloy

JOYA FH2061





Usage Applications



Standard Finishes

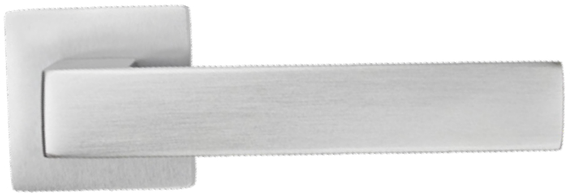
Satin Nickel
Satin Gold
Antique Bronze
Bright Gold
Off White
Satin Brown
Satin Graphite
Black

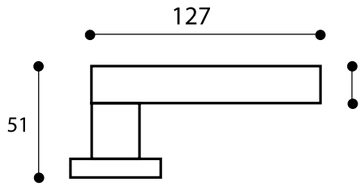
Other finishes upon request

Material

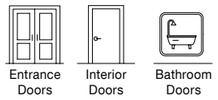
Zinc Alloy

SHELBY FH2501





Usage Applications



Standard Finishes

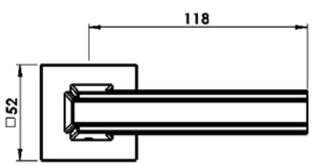
Satin Nickel
Satin Gold
Antique Bronze
Black
Bright Gold
Off White
Satin Brown
Satin Graphite

Other finishes upon request

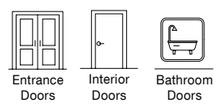
Material

Zinc Alloy

PASSO FH2051



Usage Applications



Standard Finishes

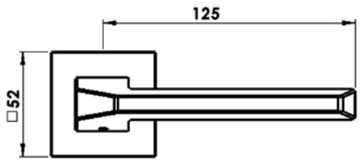
Satin Chrome
Satin Nickel
Bright Chrome
Antique Bronze
Satin Gold
Black
Bright Gold

Other finishes upon request

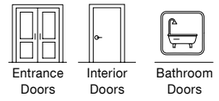
Material

Zinc Alloy

FLUSSO FH2041



Usage Applications



Standard Finishes

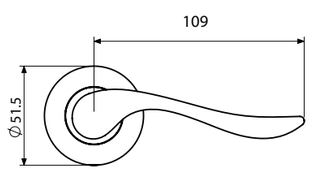
Satin Chrome
Satin Nickel
Bright Chrome
Antique Bronze
Satin Gold
Black
Gold

Other finishes upon request

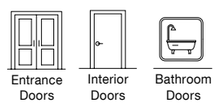
Material

Zinc Alloy

ONDA FH3231



Usage Applications



Standard Finishes

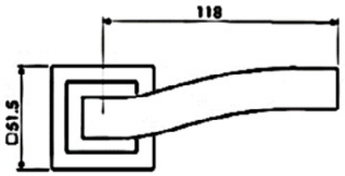
Bright Chrome
Bright Gold
Antique Bronze
Satin Gold
Antique Gold
Rose Gold
Satin Nickel

Other finishes upon request

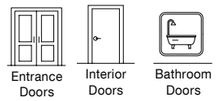
Material

Zinc Alloy

QURVA FH2431



Usage Applications



Standard Finishes

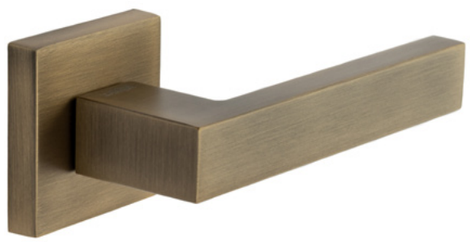
Satin Chrome
Satin Nickel
Bright Chrome
Satin Gold
Bright Gold
Black
Antique Gold
Antique Bronze

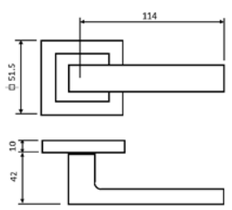
Other finishes upon request

Material

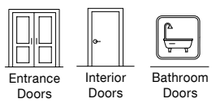
Zinc Alloy

YORK FH2141





Usage Applications



Standard Finishes

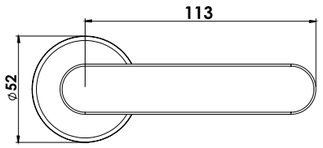
Satin Chrome
Satin Nickel
Bright Chrome
Satin Gold
Black
Rose Gold
Bright Gold
Antique Bronze

Other finishes upon request

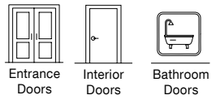
Material

Zinc Alloy

GIRO FH2921



Usage Applications



Standard Finishes

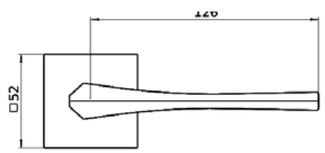
Satin Chrome
Satin Nickel
Bright Chrome
Black
Bright Gold
Antique Bronze

Other finishes upon request

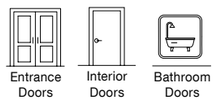
Material

Zinc Alloy

SERY FH2851



Usage Applications



Standard Finishes

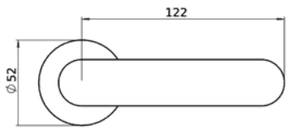
Satin Nickel
Satin Gold
Black
Bright Gold
Antique Bronze

Other finishes upon request

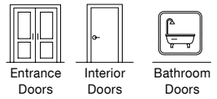
Material

Zinc Alloy

SERENE FH2701



Usage Applications



Standard Finishes

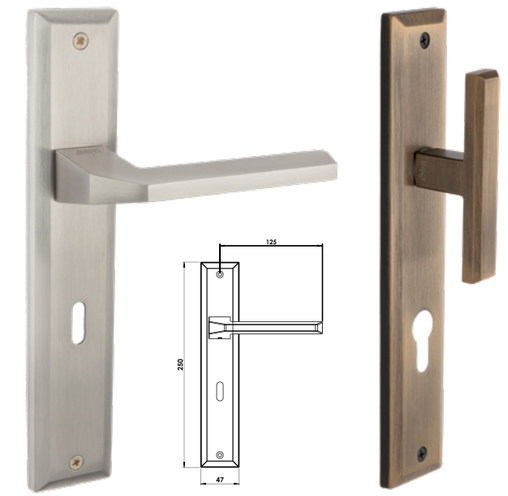
Satin Nickel
Satin Gold
Black
Bright Gold
Antique Bronze

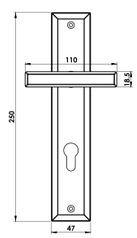
Other finishes upon request

Material

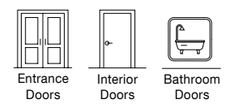
Zinc Alloy

FLOW





Usage Applications



Standard Finishes

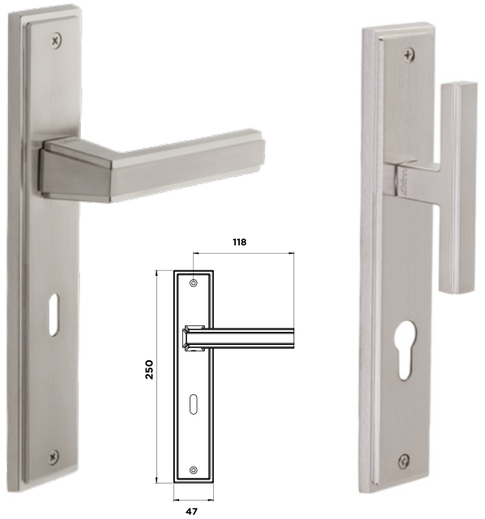
Satin Nickel
Bright Nickel
Gold
Antique Bronze
Antique Copper
Satin Chrome

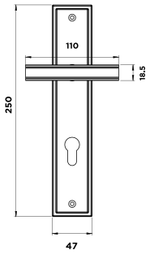
Other finishes upon request

Material

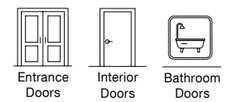
Zinc Alloy

STEP





Usage Applications



Standard Finishes

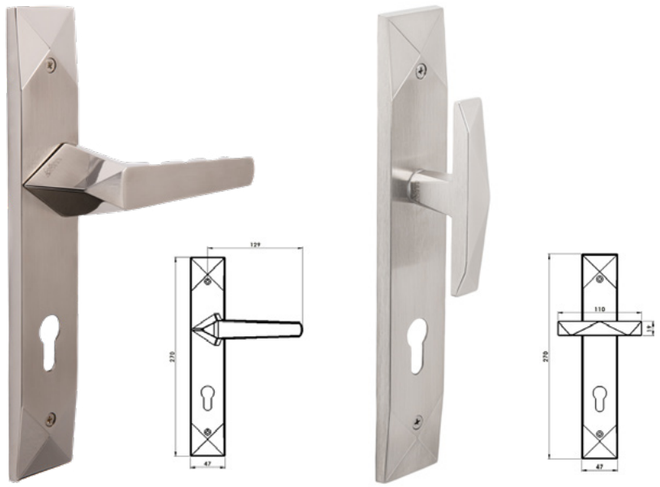
Satin Nickel
Bright Nickel
Gold
Antique Bronze
Antique Copper
Satin Antique Gold

Other finishes upon request

Material

Zinc Alloy

JEWEL



Usage Applications

Entrance Doors · Interior Doors · Bathroom Doors

Standard Finishes

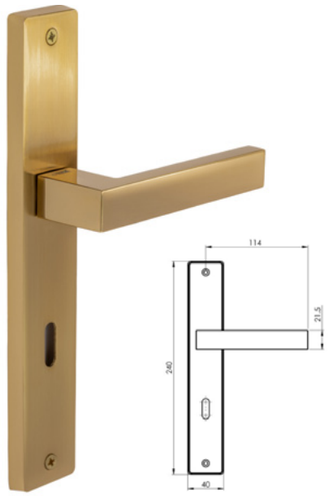
Satin Nickel
Bright Nickel
Gold
Antique Bronze
Antique Copper
Satin Chrome

Other finishes upon request

Material

Zinc Alloy

YORK FH2141



Usage Applications

Interior Doors · Bathroom Doors

Standard Finishes

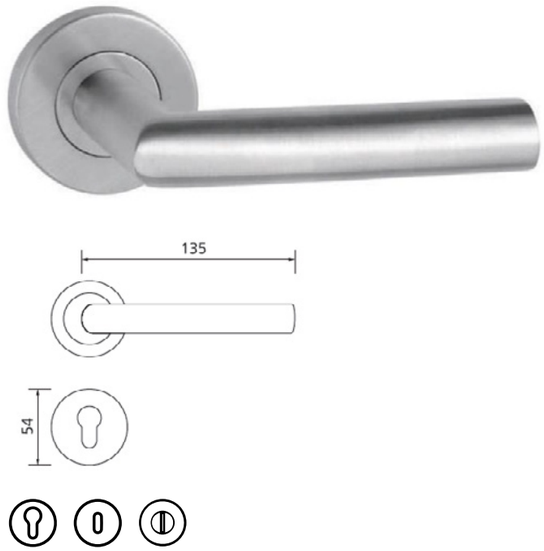
Satin Chrome
Satin Nickel
Bright Chrome
Satin Gold
Black
Rose Gold
Gold
Antique Bronze
Satin Antique Gold

Other finishes upon request

Material

Zinc Alloy

SS02 - HOLLOW



Usage Applications

Entrance Doors · Interior Doors · Bathroom Doors

Standard Finishes

Satin Stainless Steel

Other finishes upon request

Material

Stainless Steel

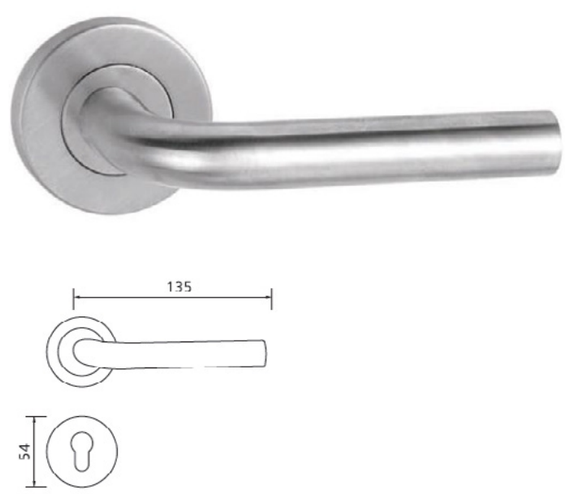
Certified EN 1906:2012

4	7	-	B1	1	4	0	B

Protection against

Fire · Corrosion

SS03 - HOLLOW



Usage Applications

Entrance Doors · Interior Doors · Bathroom Doors

Standard Finishes

Satin Stainless Steel

Other finishes upon request

Material

Stainless Steel

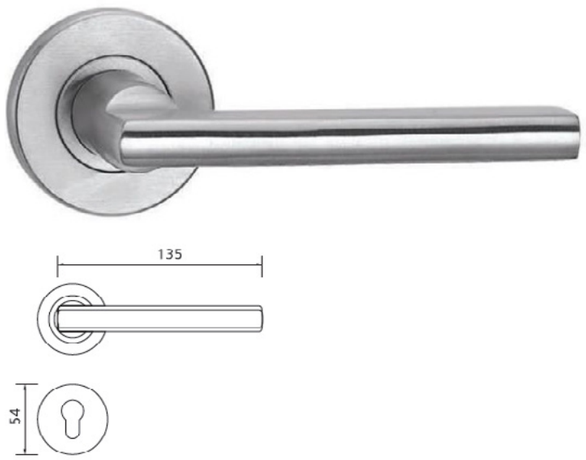
Certified EN 1906:2012

4	7	-	B1	1	4	0	B

Protection against

Fire · Corrosion

SS04 - HOLLOW



Usage Applications

Entrance Doors | Interior Doors | Bathroom Doors

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

SS05 - HOLLOW

Usage Applications

Entrance Doors | Interior Doors | Bathroom Doors

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

SS06 - HOLLOW

Usage Applications

Entrance Doors | Interior Doors | Bathroom Doors

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

SS07 - HOLLOW

Usage Applications

Entrance Doors | Interior Doors | Bathroom Doors

Standard Finishes

Satin Stainless Steel
Other finishes upon request

Material

Stainless Steel

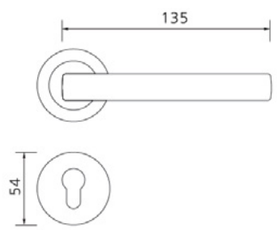
Certified EN 1906:2012

4	7	-	B1	1	4	0	B

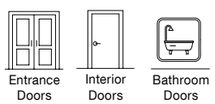
Protection against

Fire Corrosion

SS08 - HOLLOW



Usage Applications



Standard Finishes

Satin Stainless Steel

Other finishes upon request

Material

Stainless Steel

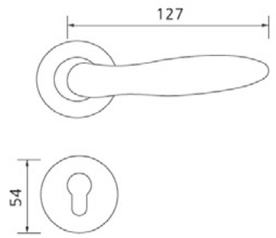
Certified EN 1906:2012

4	7	-	B1	1	4	0	B

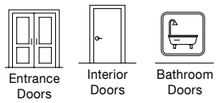
Protection against

Fire Corrosion

SS09 - HOLLOW



Usage Applications



Standard Finishes

Satin Stainless Steel

Other finishes upon request

Material

Stainless Steel

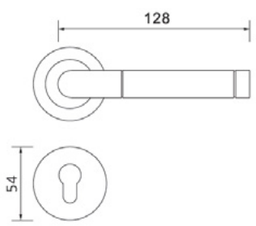
Certified EN 1906:2012

4	7	-	B1	1	4	0	B

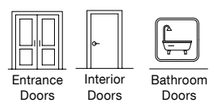
Protection against

Fire Corrosion

SS10 - HOLLOW



Usage Applications



Standard Finishes

Satin Stainless Steel

Other finishes upon request

Material

Stainless Steel

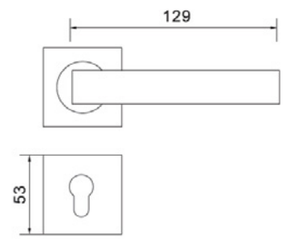
Certified EN 1906:2012

4	7	-	B1	1	4	0	B

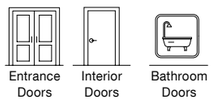
Protection against

Fire Corrosion

SS11 - HOLLOW



Usage Applications



Standard Finishes

Satin Stainless Steel

Other finishes upon request

Material

Stainless Steel

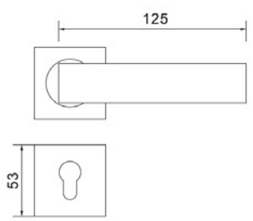
Certified EN 1906:2012

4	7	-	B1	1	4	0	B

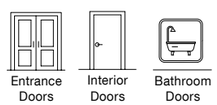
Protection against

Fire Corrosion

SS12 - HOLLOW



Usage Applications



Standard Finishes

Satin Stainless Steel

Other finishes upon request

Material

Stainless Steel

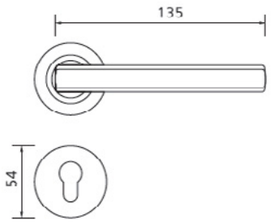
Certified EN 1906:2012

4	7	-	B1	1	4	0	B

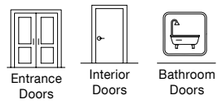
Protection against

Fire Corrosion

SSS01 - SOLID



Usage Applications



Standard Finishes

Satin Stainless Steel

Other finishes upon request

Material

Stainless Steel

Certified EN 1906:2012

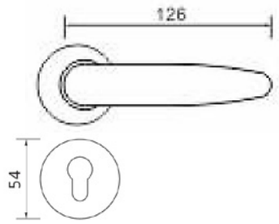
4	7	-	B1	1	4	0	B

Protection against

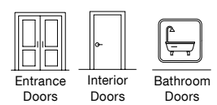
Fire Corrosion

AHRAM Security Group

SSS02 - SOLID



Usage Applications



Standard Finishes

Satin Stainless Steel

Other finishes upon request

Material

Stainless Steel

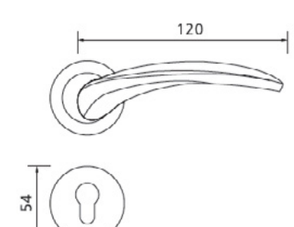
Certified EN 1906:2012

4	7	-	B1	1	4	0	B

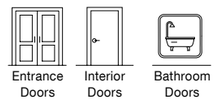
Protection against

Fire Corrosion

SSS03 - SOLID



Usage Applications



Standard Finishes

Satin Stainless Steel

Other finishes upon request

Material

Stainless Steel

Certified EN 1906:2012

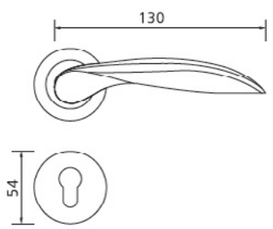
4	7	-	B1	1	4	0	B

Protection against

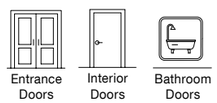
Fire Corrosion

AHRAM Security Group

SSS04 - SOLID



Usage Applications



Standard Finishes

Satin Stainless Steel

Other finishes upon request

Material

Stainless Steel

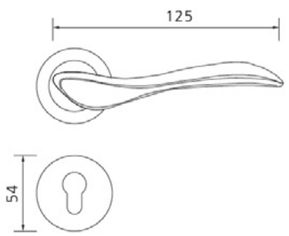
Certified EN 1906:2012

4	7	-	B1	1	4	0	B

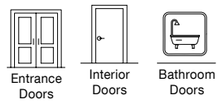
Protection against

Fire Corrosion

SSS05 - SOLID



Usage Applications



Standard Finishes

Satin Stainless Steel

Other finishes upon request

Material

Stainless Steel

Certified EN 1906:2012

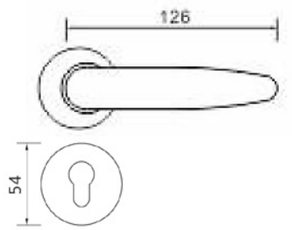
4	7	-	B1	1	4	0	B

Protection against

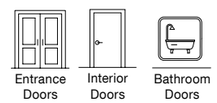
Fire Corrosion

AHRAM Security Group

SSS06 - SOLID



Usage Applications



Standard Finishes

Satin Stainless Steel

Other finishes upon request

Material

Stainless Steel

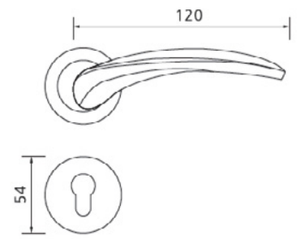
Certified EN 1906:2012

4	7	-	B1	1	4	0	B

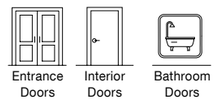
Protection against

Fire Corrosion

SSS07 - SOLID



Usage Applications



Standard Finishes

Satin Stainless Steel

Other finishes upon request

Material

Stainless Steel

Certified EN 1906:2012

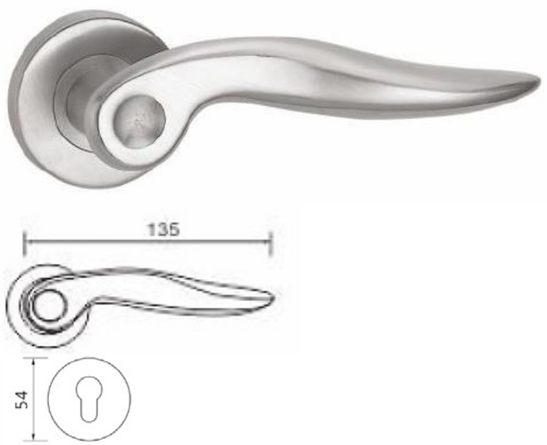
4	7	-	B1	1	4	0	B

Protection against

Fire Corrosion

AHRAM Security Group

SSS08 - SOLID



Usage Applications

Entrance Doors | Interior Doors | Bathroom Doors

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

SSS09 - SOLID

Usage Applications

Entrance Doors | Interior Doors | Bathroom Doors

Standard Finishes

Satin Stainless Steel

Other finishes upon request

Material

Stainless Steel

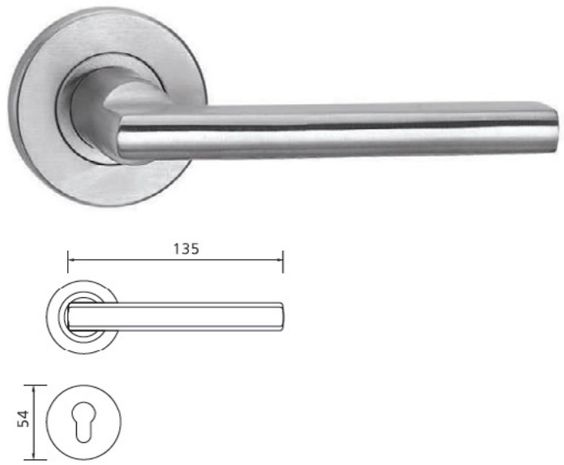
Certified EN 1906:2012

4	7	-	B1	1	4	0	B

Protection against

Fire Corrosion

HSS01 - SOLID



Usage Applications

Entrance Doors | Interior Doors | Bathroom Doors

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

HSS02 - SOLID

Usage Applications

Entrance Doors | Interior Doors | Bathroom Doors

Standard Finishes

Satin Stainless Steel

Other finishes upon request

Material

Stainless Steel

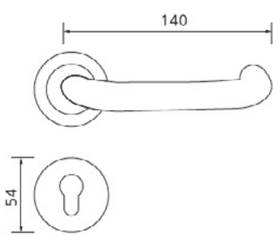
Certified EN 1906:2012

4	7	-	B1	1	4	0	B

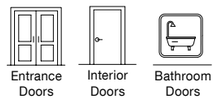
Protection against

Fire Corrosion

SS01-D19 - HOLLOW



Usage Applications



Standard Finishes

Satin Stainless Steel

Other finishes upon request

Material

Stainless Steel

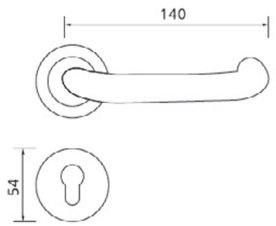
Certified EN 1906:2012

4	7	-	B1	1	4	0	B

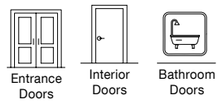
Protection against

Fire Corrosion

SS01-D22 - HOLLOW



Usage Applications



Standard Finishes

Satin Stainless Steel

Other finishes upon request

Material

Stainless Steel

Certified EN 1906:2012

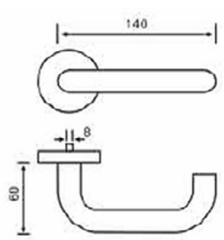
4	7	-	B1	1	4	0	B

Protection against

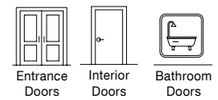
Fire Corrosion

AHRAM Security Group

SS01-D19



Usage Applications



Standard Finishes

Satin Stainless Steel

Other finishes upon request

Material

Stainless Steel

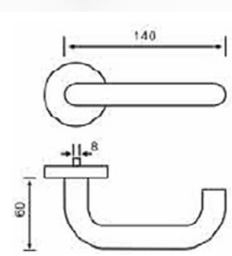
Certified EN 1906:2012

4	7	-	B1	1	4	0	B

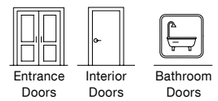
Protection against

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

AHRAM Security Group

700

Usage Applications

Standard Finishes

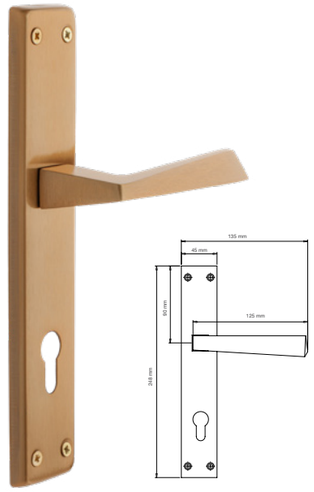
Satin Nickel
Satin Chrome
Stain Gold
Antique Gold
Antique Bronze

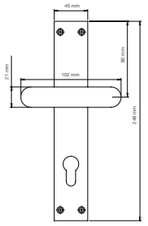
Other finishes upon request

Material

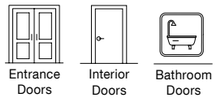
Aluminum

701





Usage Applications



Standard Finishes

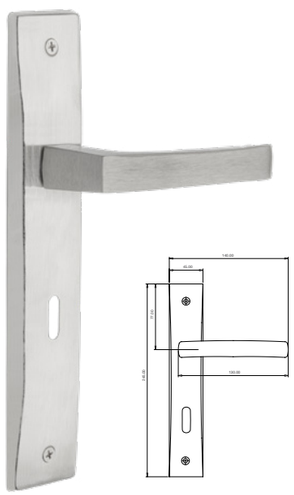
Satin Nickel
Satin Chrome
Stain Gold
Antique Gold
Antique Bronze

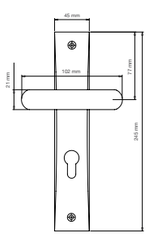
Other finishes upon request

Material

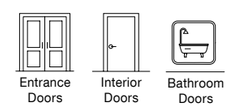
Aluminum

702





Usage Applications



Standard Finishes

Satin Nickel
Satin Chrome
Stain Gold
Antique Gold
Antique Bronze

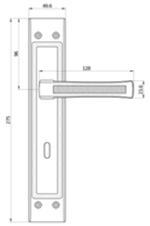
Other finishes upon request

Material

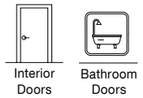
Aluminum

703

704



Usage Applications



Standard Finishes

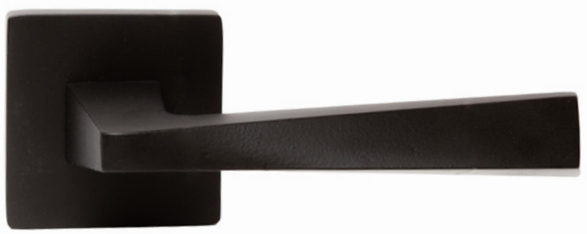
Satin Nickel
Satin Chrome
Stain Gold
Antique Gold
Antique Bronze

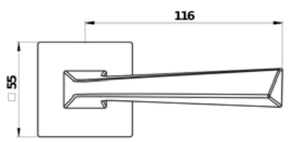
Other finishes upon request

Material

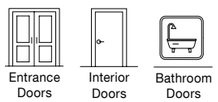
Aluminum

701





Usage Applications



Standard Finishes

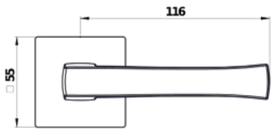
Satin Nickel
Satin Chrome
Stain Gold
Antique Gold
Antique Bronze

Other finishes upon request

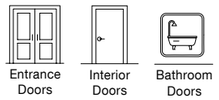
Material

Aluminum

702



Usage Applications



Standard Finishes

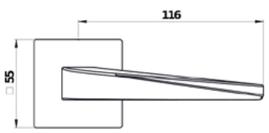
Satin Nickel
Satin Chrome
Stain Gold
Antique Gold
Antique Bronze

Other finishes upon request

Material

Aluminum

703



Usage Applications

Standard Finishes

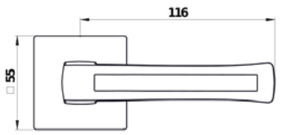
Satin Nickel
Satin Chrome
Stain Gold
Antique Gold
Antique Bronze

Other finishes upon request

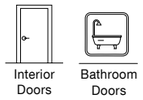
Material

Aluminum

704



Usage Applications



Standard Finishes

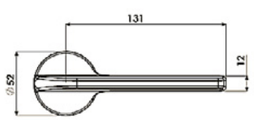
Satin Nickel
Satin Chrome
Stain Gold
Antique Gold
Antique Bronze

Other finishes upon request

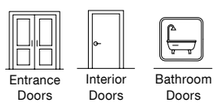
Material

Aluminum

SKY FH1401



Usage Applications



Standard Finishes

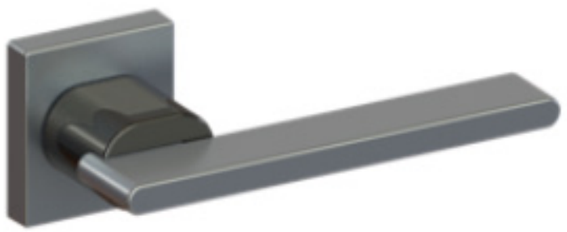
Antique Bronze
Satin Nickel
Bright Gold
Satin Gold
Black

Other finishes upon request

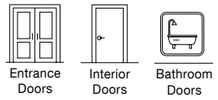
Material

Aluminum

ECLIPSE



Usage Applications



Standard Finishes

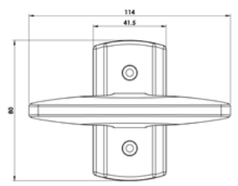
Satin Nickel
Satin Chrome
Stain Gold
Antique Gold
Antique Bronze

Other finishes upon request

Material

Aluminum

700



Usage Applications

Windows

Standard Finishes

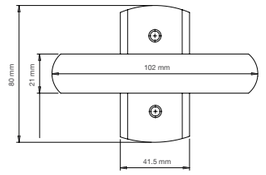
Satin Nickel
Satin Chrome
Stain Gold
Antique Gold
Antique Bronze

Other finishes upon request

Material

Aluminum

702



Usage Applications

Windows

Standard Finishes

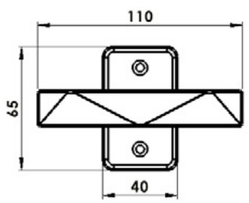
Satin Nickel
Satin Chrome
Stain Gold
Antique Gold
Antique Bronze

Other finishes upon request

Material

Aluminum

JEWEL FH2002



Usage Applications

Windows

Standard Finishes

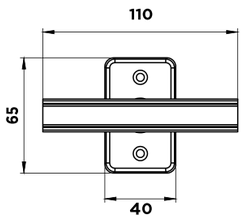
Satin Nickel
Bright Nickel
Gold
Antique Bronze
Antique Copper

Other finishes upon request

Material

Zinc Alloy

STEP FH2022



Usage Applications

Windows

Standard Finishes

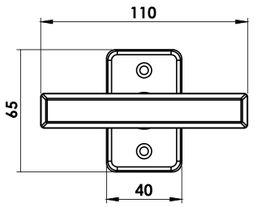
Satin Nickel
Bright Nickel
Gold
Antique Bronze
Antique Copper
Satin Antique Gold

Other finishes upon request

Material

Zinc Alloy

FLOW FH2012



Usage Applications

Windows

Standard Finishes

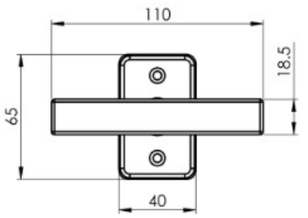
Satin Nickel
Bright Nickel
Gold
Antique Bronze
Antique Copper
Satin Antique Gold

Other finishes upon request

Material

Zinc Alloy

YORK FH2142



Usage Applications

Windows

Standard Finishes

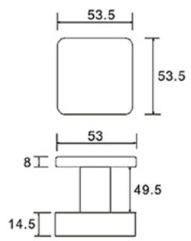
Satin Chrome
Satin Nickel
Bright Chrome
Satin Gold
Black
Rose Gold
Gold
Antique Bronze
Satin Antique Gold

Other finishes upon request

Material

Zinc Alloy

DFK-01



Usage Applications

Entrance Doors

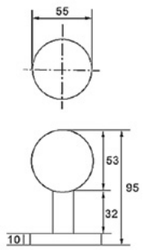
Standard Finishes

Satin Stainless Steel
Other finishes upon request

Material

Stainless Steel

DFK-02



Usage Applications

Entrance Doors

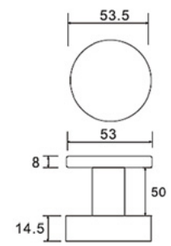
Standard Finishes

Satin Stainless Steel
Other finishes upon request

Material

Stainless Steel

DFK-03



Usage Applications

Entrance Doors

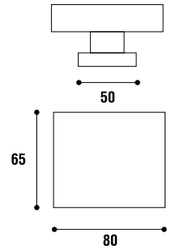
Standard Finishes

Satin Stainless Steel
Other finishes upon request

Material

Stainless Steel

YORK FK5032



Usage Applications

Entrance Doors

Standard Finishes

Satin Chrome
Satin Nickel
Bright Chrome
Gold
Satin Gold
Black

Other finishes upon request

Material

Zinc Alloy

Pull Handles

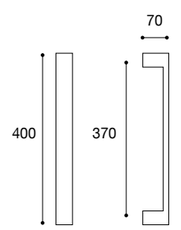
Single H Pull Handle Back Fixing
PH-02

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

YORK BAR
FK5022



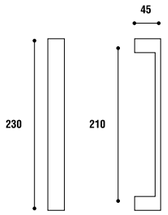
Model	Length (L)	C / C	Size (w)	Material
FK5022	400 mm	370 mm	70 x 400	Zinc Alloy

Standard Finishes :

Satin Nickel
Satin Chrome
Bright Chrome
Bright Gold
Satin Gold
Black

Other finishes upon request

YORK BAR
FK5012



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

Standard Finishes :

Satin Nickel
Satin Chrome
Bright Chrome
Bright Gold
Satin Gold
Black

Other finishes upon request

Pull Handles on Plates Stainless Steel
PPP-01

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

Available engraved with Arabic / English

Standard Finishes :
Satin Stainless Steel

Mortise Door Locks

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-06

Standard Mortise Sashlock "Closed Case"

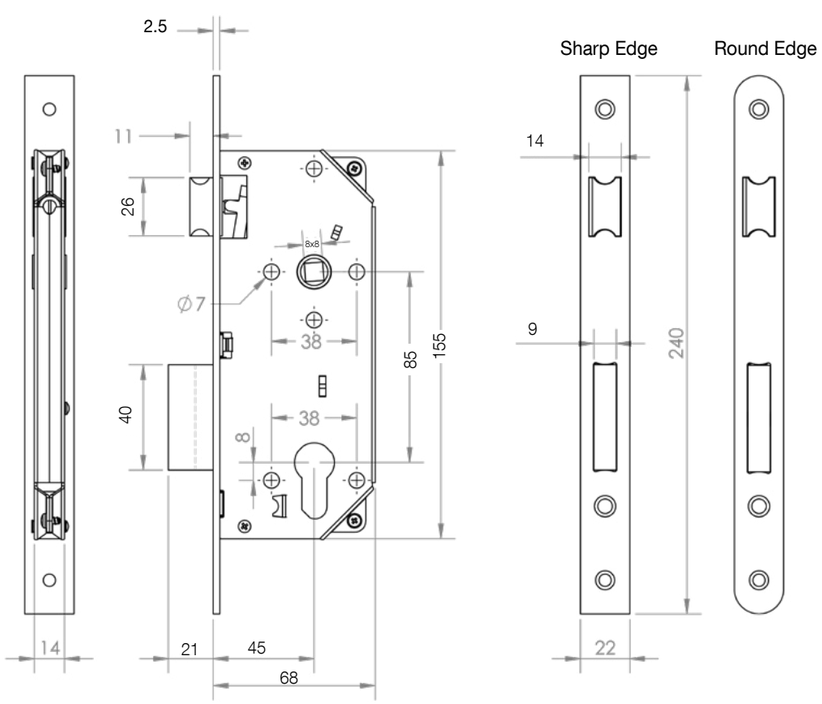
- Steel deadbolt and zinc alloy latch bolt
- Center Distance : 85 mm
- Backset : 45 mm (standard), 40 mm upon request.
- Deadbolt : 40 mm, 2 turns
- Face plate : Sharp or round, steel
- Lever follower : 8 X 8 mm
- Reversible latch bolt
- Design acc. to standard ES 5454:2020 & EN 12209:2016
- Classification Grade | 1 | M | 4 | 0 | 0 | C | 1 | 0 |

Backset options:

40 mm backset
45 mm backset

Standard Finishes for face plate:

Bright Nickel
Bright Brass
Glavanized
Brown
Beige
Other finishes upon request.



ME-38

Mortise External Lock , "Closed Case"

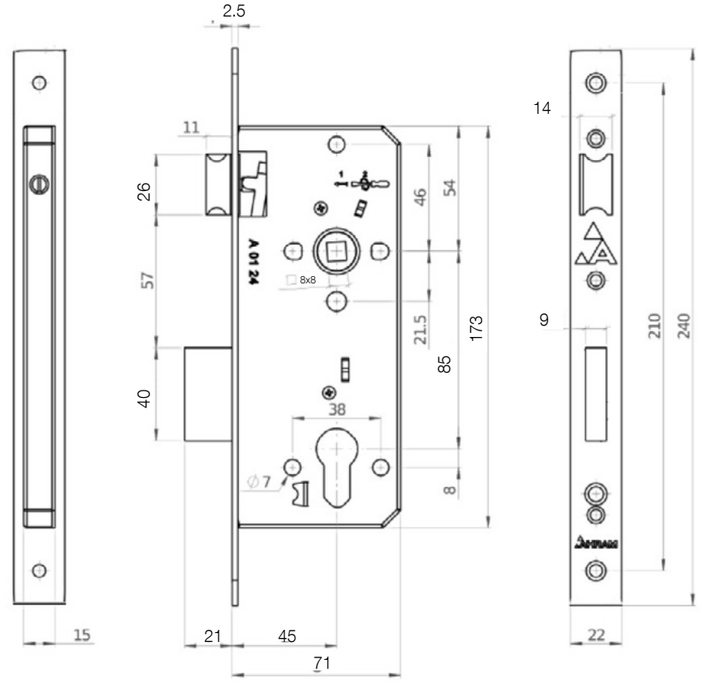
- Steel deadbolt and zinc alloy latch bolt
- Center Distance : 85 mm
- Backset : 45mm
- Deadbolt : 40 mm, 2 turns
- Face plate : Sharp or round (optional)
- Lever follower : 8 X 8 mm
- Reversible latch bolt
- Design acc. to standard ES 5454:2020 & EN 12209:2016
- Classification Grade | 1 | M | 4 | 0 | 0 | C | 1 | 0 |

Standard Finishes for face plate:

Bright Nickel
Bright Brass
Antique Brass
Glavanized

Black
Brown
Beige
Stain Nickel

Other finishes upon request.



ME-39

Mortise Sashlock with Ball Bearing "Closed Case"

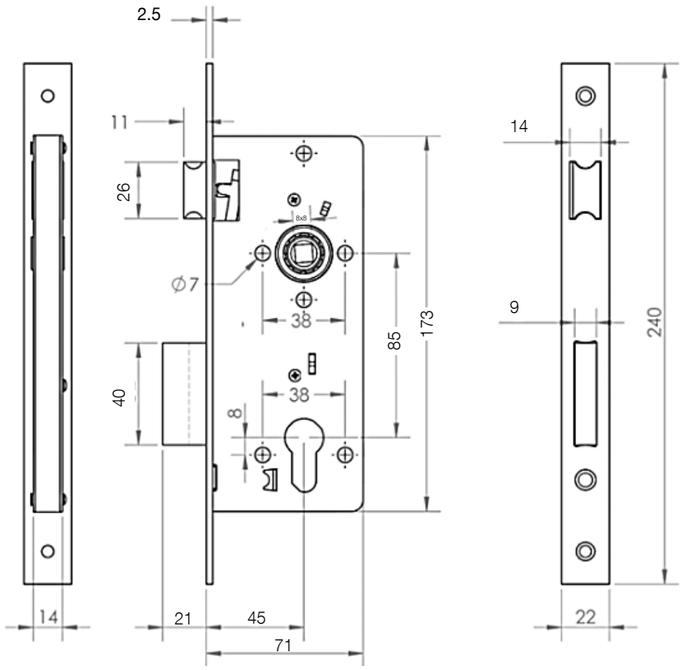
- Euro Profile Cylinder Operation
- Backset :45 mm
- Deadbolt: 40 mm, 2 turns
- Faceplate: Sharp or Round
- Lever follower: 8 X 8 mm
- Reversible latch bolt
- Design acc. to standard ES 5454:2020 & EN 12209:2016
- Classification Grade

1	M	4	0	0	C	1	0

Standard Finishes for face plate:

Bright Nickel
Bright Brass
Antique Brass

Other finishes upon request.



ME-43

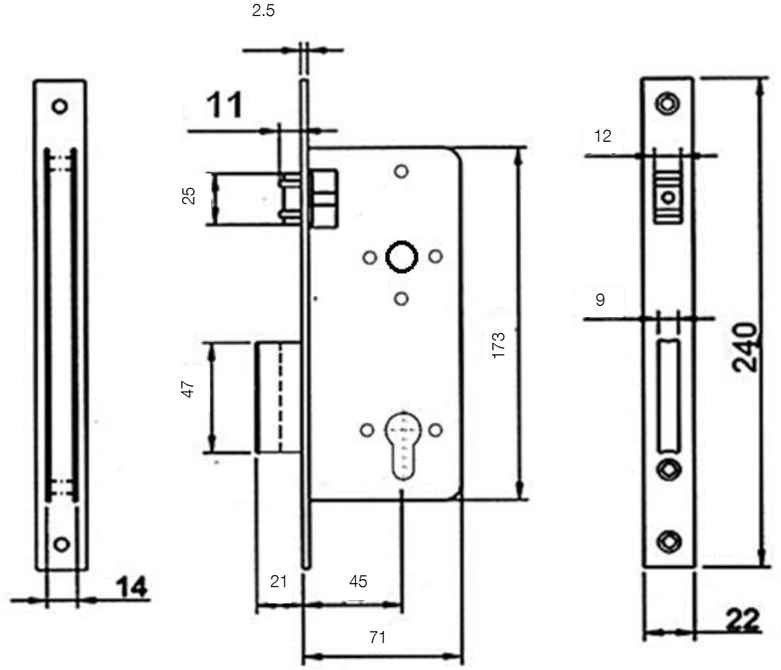
Mortise External Lock, With Adjustable Roller

- Cylinder operated mortise lock for swinging doors.
- Back-set : 45 mm
- Faceplate : 22x240 mm
- Deadbolt: 47 mm, 2 turns
- Faceplate: Sharp or Round
- Design acc. to standard ES 5454:2020 & EN 12209:2016
- Classification Grade

1	L	4	0	0	C	1	0

Standard Finishes for face plate:

Bright Nickel
Bright Brass
Other finishes upon request.



ME-42

Mortise Sashlock With Triple Square Deadbolt "Closed Case"

- Zinc Alloy deadbolt and latch bolt
- Center Distance : 85 mm
- Backset : 45 mm
- Deadbolt : triple square 53mm, 2 turns
- Face plate : 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

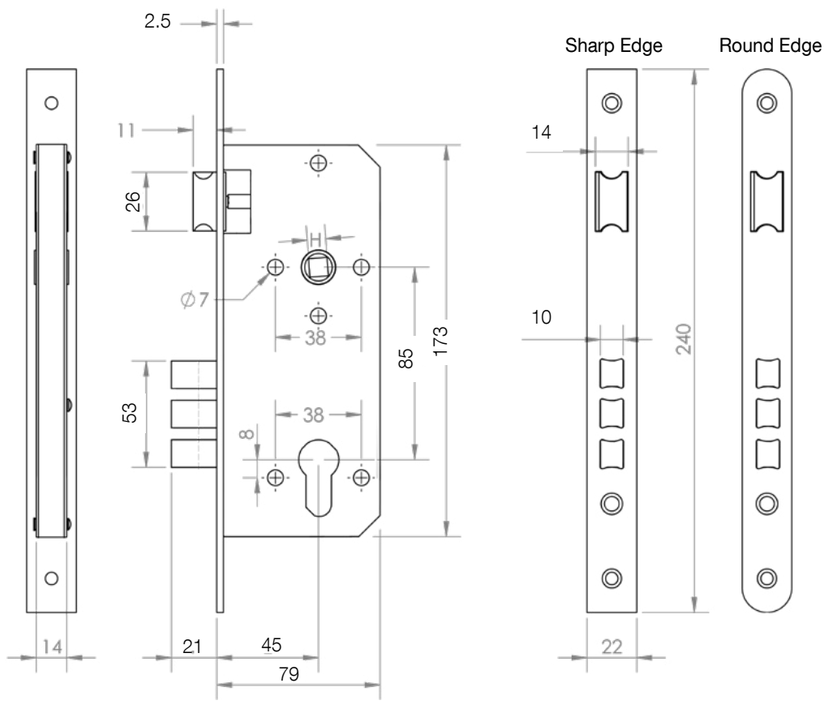
Backset options:

45 mm backset

Standard Finishes for face plate:

Bright Nickel
Bright Brass
Antique Brass

Other finishes upon request.



ME-17

Mortise Sashlock Multi Backsets

- Brass deadbolt and latch bolt
- Center Distance : 85 mm
- Deadbolt : 47mm, 2 turns
- Backset : 45 mm (standard), 50 mm, 55mm, 60 mm upon request
- Face plate : 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

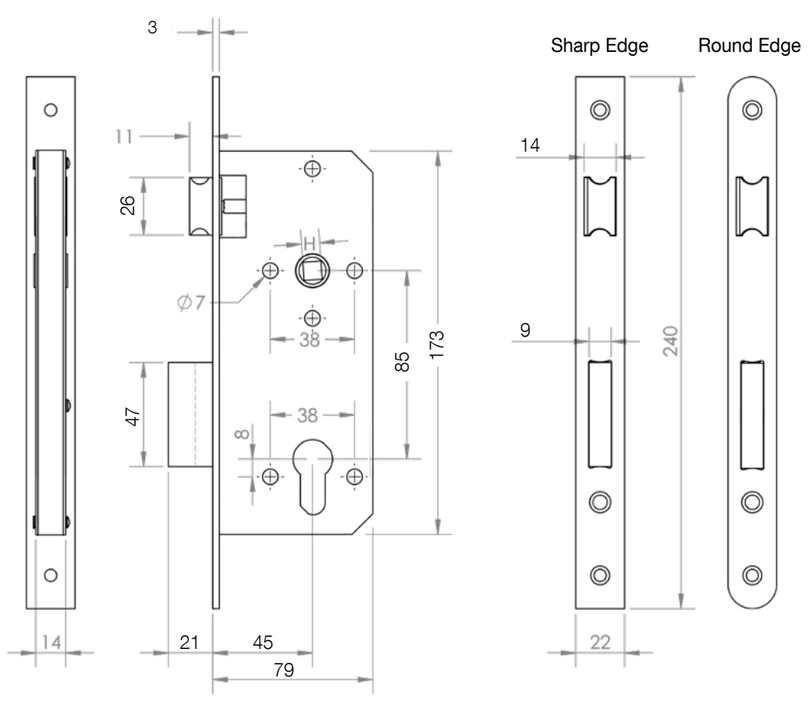
2	M	4	0	0	C	1	0

Backset options:

45 mm backset
50 mm backset
55 mm backset
60 mm backset

Standard Finishes for face plate:

Bright Nickel
Bright Brass
Antique Brass
Other finishes upon request.



ME-26

Mortise Sashlock "Fire Resistance"

- Provides 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 stianless steel
- Lever follower: 8 X 8 mm
- Reversible latch bolt
- Design acc. to standard ES 5454:2020 & EN 12209:2016
- Classification Grade

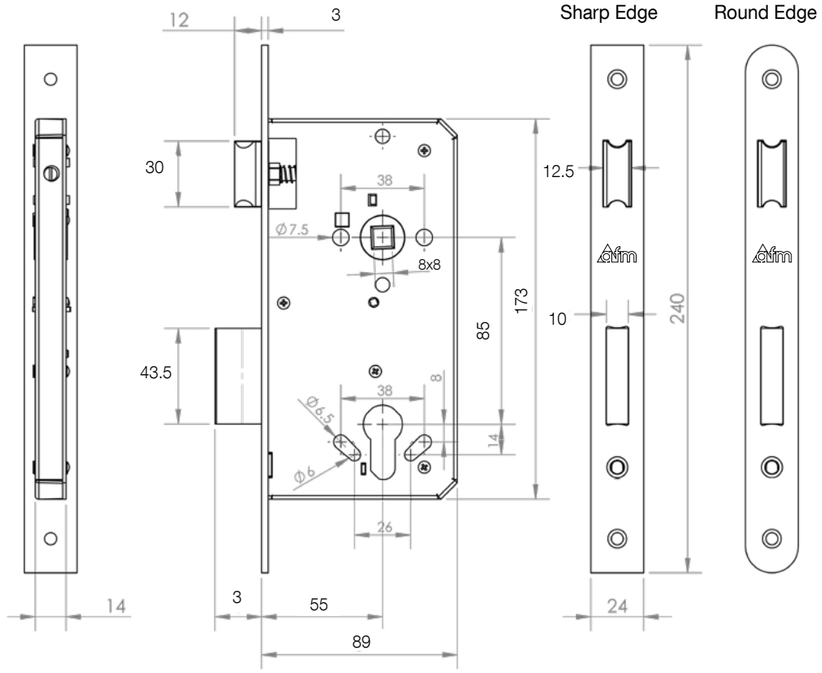
3	X	4	B	0	G	3	0

Standard Finishes for face plate:

Satin Stainless Steel
Other finishes upon request.

Protection against

Fire Corrosion



ME-31

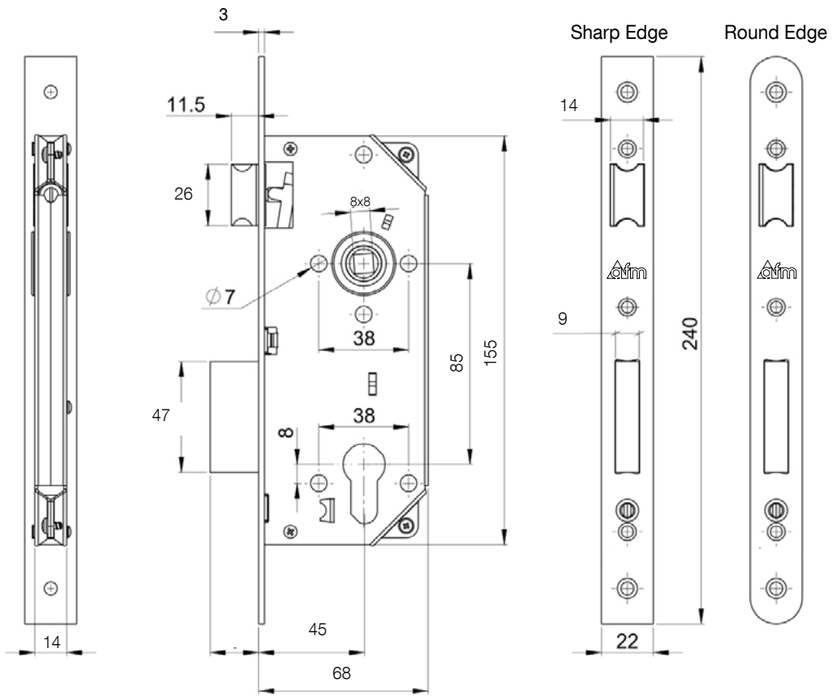
Mortise Sashlock With Ball Bearing "Closed Case"

- 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-40

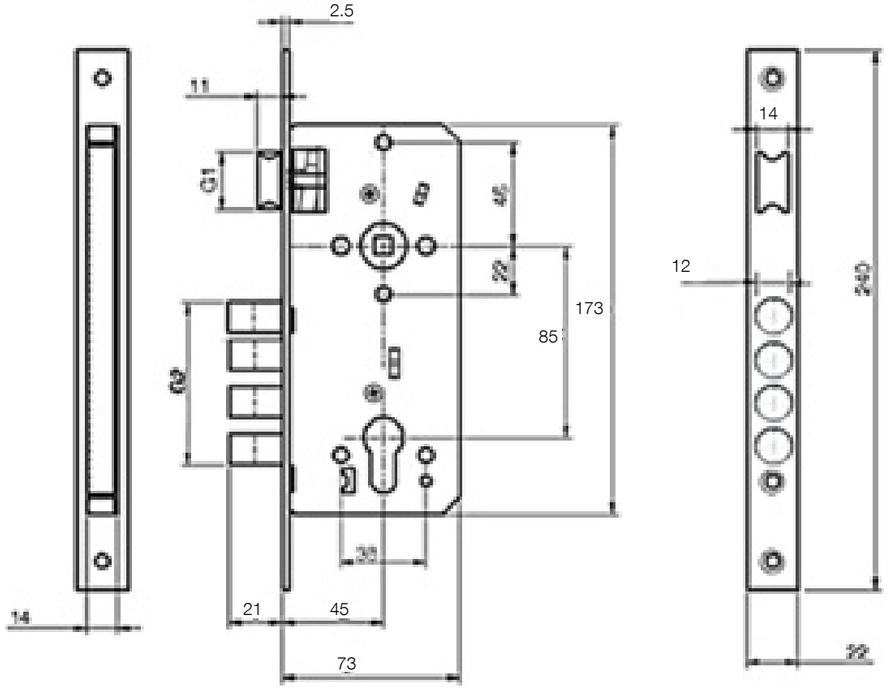
Mortise Sashlock, Round Deadbolt "Closed Case"

- 4 cylindrical steel deadbolt , Zinc Alloy latch bolt
- Center Distance: 85 mm
- Backset : 45 mm (standard)
- Deadbolt: 60.6mm, 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: 35 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

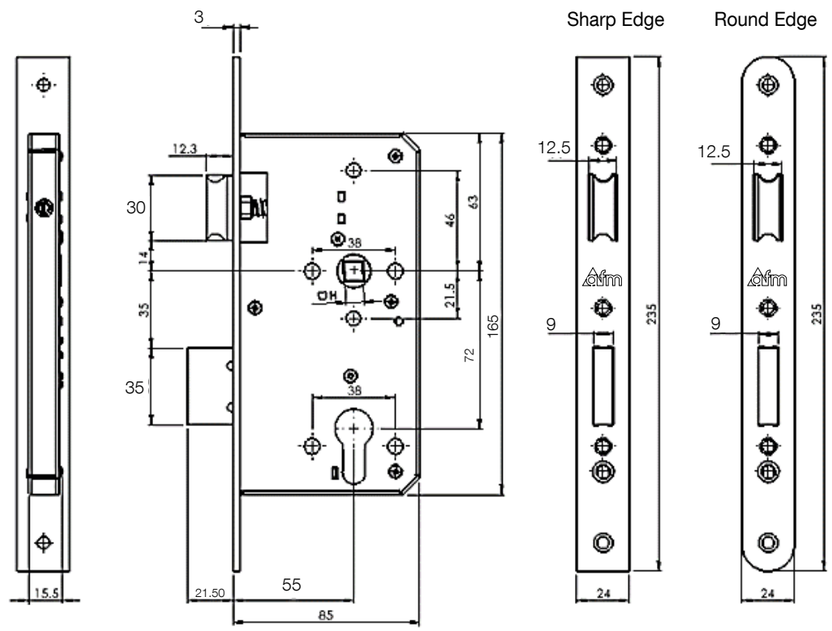
Standard Finishes for face plate:

Satin Stainless Steel
Other finishes upon request.

Protection against

Fire Corrosion

CE 0905



ME-35

Mortise Latch Multi Backsets "Fire Resistance"

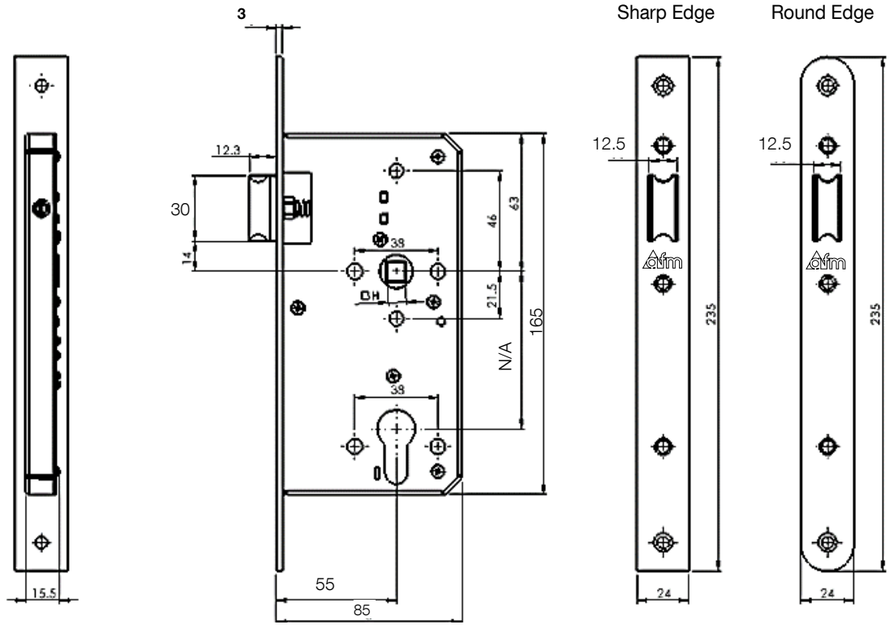
- Provides very high level of security and durability
- Stainless Steel latch bolt lock
- Center Distance: 72 mm
- Backset : 55 mm (standard)
- Faceplate: Sharp or Round Stainless Steel
- Lever follower: 8 X 8 mm
- Reversible latch bolt
- Used for Fire Resistance metal and timber doors
- Certified to 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

Fire Corrosion



ME-36

Mortise Deadlock Multi Backsets "Fire Resistance"

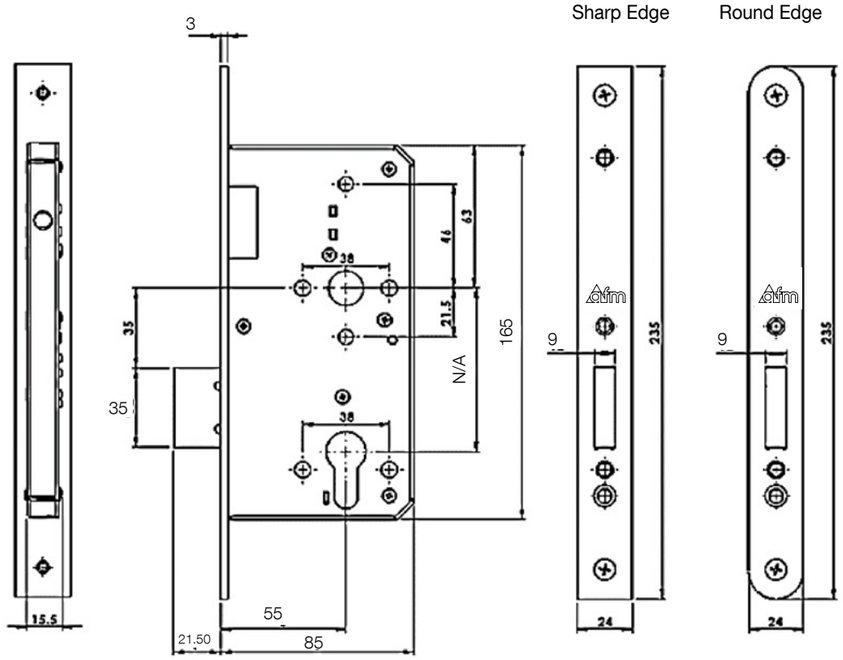
- Provides very high level of security and durability
- Stainless Steel deadbolt lock
- Center Distance: 72 mm
- Backset : 55 mm (standard)
- Deadbolt: 21.50 mm, 2 turns
- Faceplate: Sharp or Round Stainless Steel
- Used for Fire Resistance metal and timber doors
- Certified to ES 5454:2020 & EN 12209:2003
- 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

Fire Corrosion

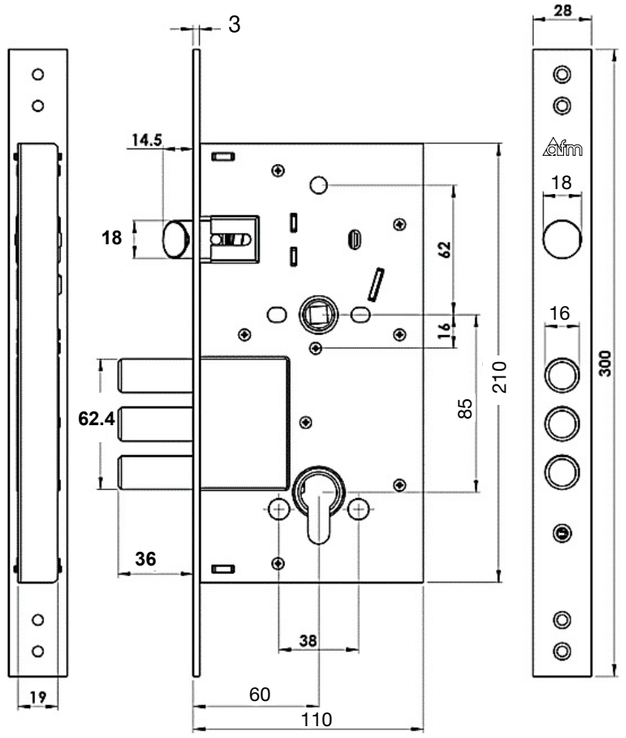


ME-45

Mortise External lock, Armored door lock, Round Deadbolt 60x85mm

- Provides security and max. level of durability
- Zamak bright Nickle latch bolt
- 3 Round Steel bright Nickel plated deadbolt
- Deadbolt: 62.4 mm, 3 turns.
- Center Distance: 85 mm
- Backset : 60 mm (standard)
- Faceplate : Sharp ,Steel bright Nickel plated
- Lever follower : 8 X 8 mm
- Reversible latch bolt
- Used for metal and timber doors
- Designed acc. to EN 12209:2016 & ES 5454:2023
- Classification Grade

1	M	4	0	0	C	2	0

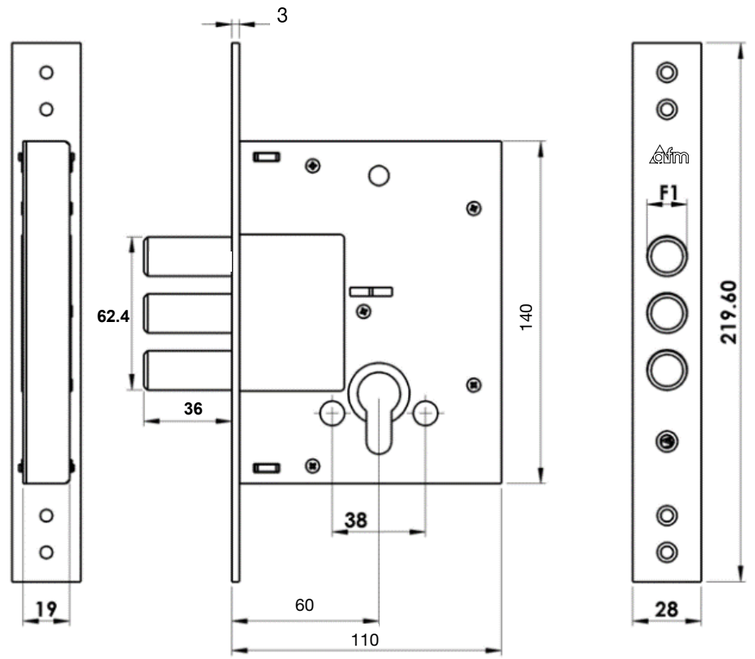


ME-46

Mortise External lock, Armored door lock Round Deadbolt, Deadbolt Only

- Provides security and max. level of durability
- 3 Round Steel bright Nickel plated deadbolt
- Backset : 60 mm (standard)
- Deadbolt : 62.4 mm, 3 turns
- Faceplate : Sharp, Steel bright Nickel plated
- Used for metal and timber doors
- Designed acc. to EN 12209:2016 & ES 5454:2023
- Classification Grade

1	B	4	0	0	C	2	0



Features and options	ME-06	ME-38	ME-39	ME-43	ME-42	ME-17	ME-26	ME-31	ME-40	ME-34	ME-35	ME-36	ME-45	ME-46
Performance Level	Standard	Standard	Standard	Standard	Medium	High	Medium	Medium	Medium	Fire rated	Fire rated	Fire rated	Fire rated	Fire rated
Applications	Entrance / Interior	Entrance / Interior	Entrance	Sliding	Entrance / Interior	Entrance / Interior	Entrance / Interior	Entrance / Interior	Entrance / Interior	Entrance / Interior	Entrance / Interior	Entrance / Interior	Entrance / Interior	Entrance / Interior
Center Distance mm														
72 mm										■	■	■		
85 mm	■	■			■	■	■	■	■					■
Backset														
40 mm	■	■												
45 mm	■	■	■	■	■	■		■	■					
55 mm							■			■	■	■	■	■
Deadbolt Material														
Stainless Steel							■			■	■	■	■	■
Brass	■	■	■			■								
Steel	■	■	■	■		■			■					
Zinc Alloy	■	■			■	■								
Deadbolt Height mm														
30 mm				■										
35 mm										■		■	■	■
40 mm	■	■												
47 mm	■	■						■						
54 mm	■	■	■		■	■								
Deadbolt Depth mm	21	21	21	18	21	21	21	21	21	21.5	-	21.5	21.5	21.5
No. of turns	2	2	2	1	2	2	2	2	2	2	-	2	3	3
Hub Size mm														
7x7 mm	■	■												
8x8 mm	■	■	■		■	■	■	■	■	■	■	■	■	■
Hub Material														
Zinc Alloy	■	■	■		■	■	■	■	■					
Steel										■	■	■	■	■
Ball Bearing	-	-	■		-	-	-	■	-	-	-	-	-	-
Reversible Latch	■	■	■		■	■	■	■	■	■	■			
EN 12209:2016	1M400C10	1M400C10	1C800C10	1L400C10	1M400C10	2M400C10	3X410G30	1M400C10	1M400C10					
EN 12209:2003										3X810G3HC10	3X810G3H010	3X810G3HC00	1M400C20	1B400C20
Durability Cycles	200,000	200,000	200,000	100,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	100,000
Face Plate Thickness mm	2.5	2.5	2.5	2.5	2.5	3	3	2.5	2.5	3	3	3	3	3
Anti-Corrosion	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Fire Rated							■			■	■	■		
Opening Types														
Euro Profile	■	■	■	■	■	■	■	■	■	■		■	■	■

*** Dependent on the complexity of the masterkey system**

■ **Standard** ■ **Available as an option/variant**

MI-06

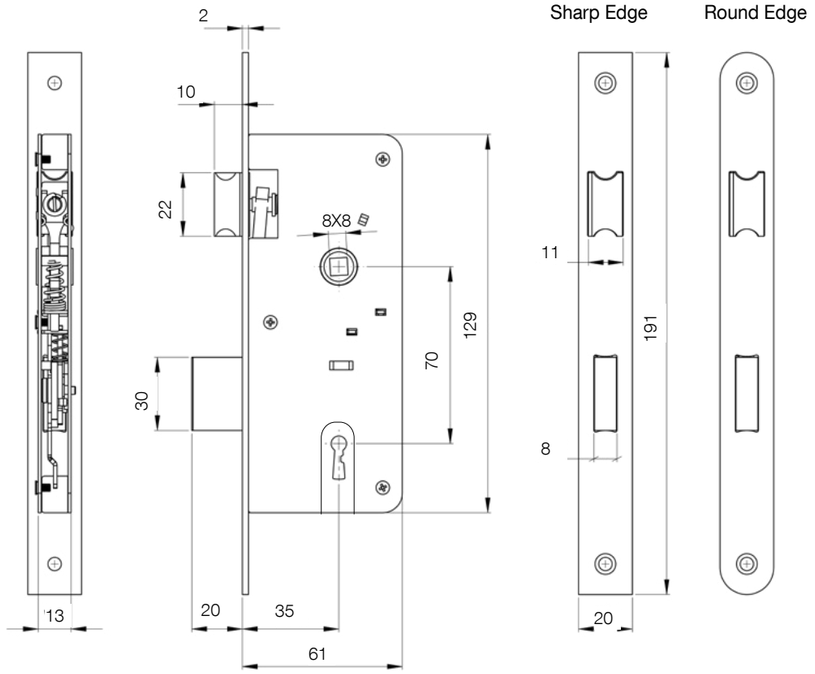
Mortise Room Lock For Narrow Doors

- Zinc alloy deadbolt and latch bolt
- Center : 70mm
- Back-set : 35mm
- Deadbolt : 30mm, 2 turns
- Face plate : Sharp or Round, steel
- Lever follower : 7 x 7 mm
- Reversible latch bolt
- 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.



AHRAM Security Group

MI-19

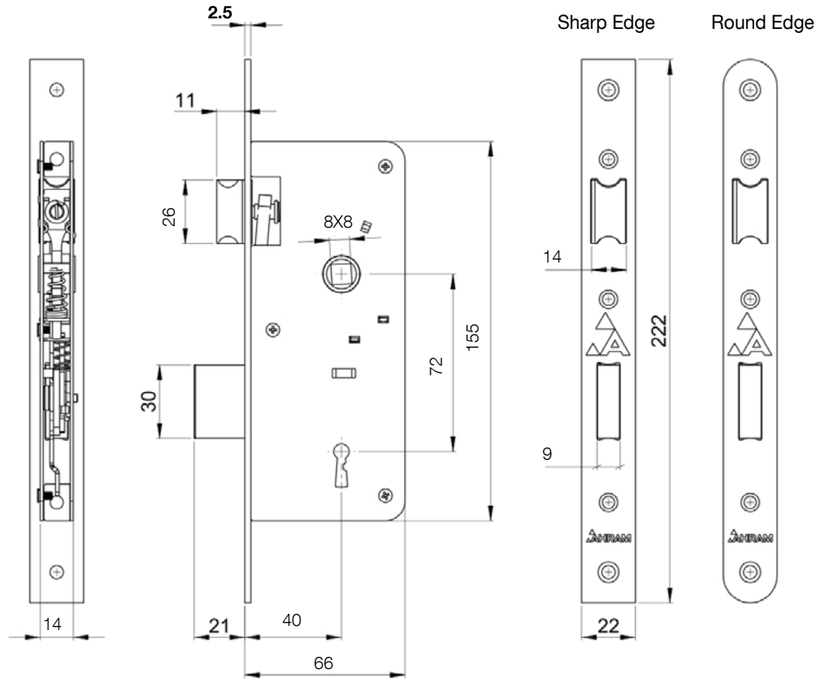
Mortise Room Lock "Opened Case"

- Steel deadbolt and zinc alloy latch bolt
- Center : 72mm
- Backset : 40mm
- Deadbolt : 30mm or 40mm, 2 turns
- Face plate : Sharp or Round, steel
- Lever follower : 8x8 mm
- Reversible latch bolt
- Number of keys : two
- Design according 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
Other finishes upon request.



AHRAM Security Group

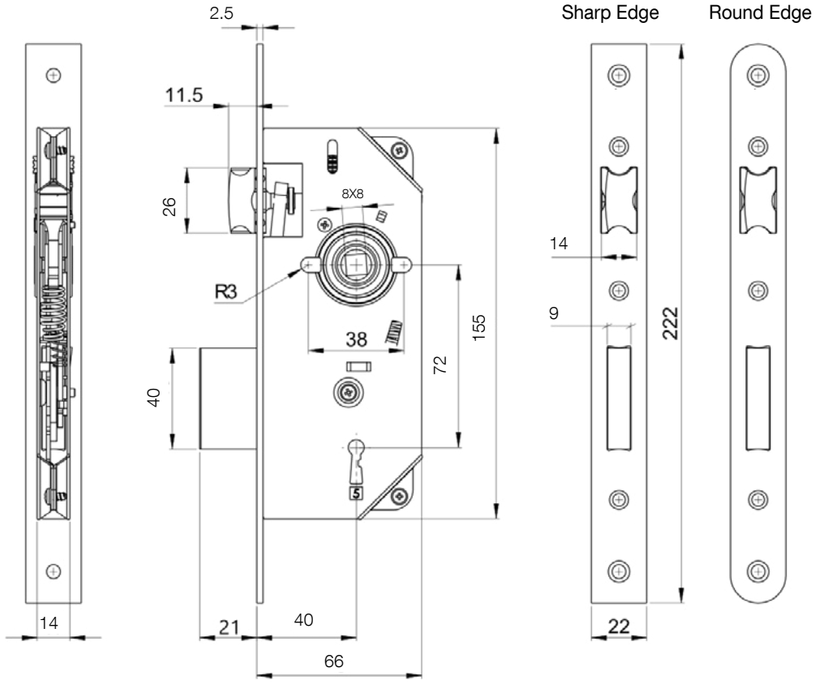
MI-31

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 |

Standard Finishes for face plate:

Satin Nickel
Blue Galvanized
Other finishes upon request.



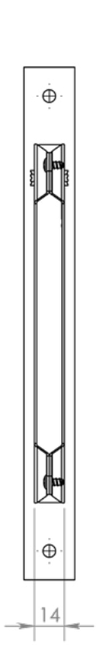
MI-33

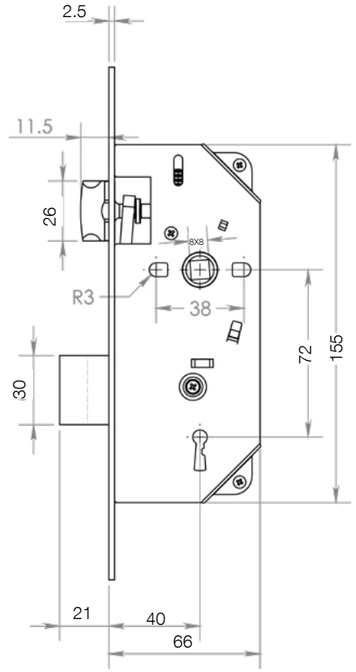
Mortise Room Lock "Closed Case"

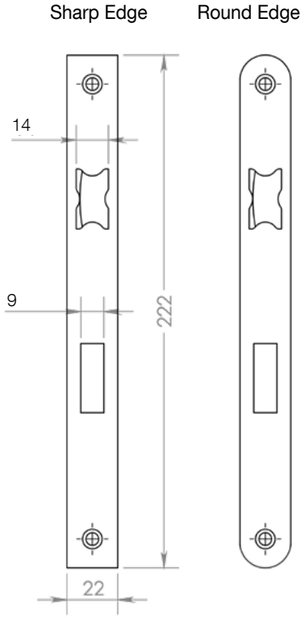
- Steel deadbolt and zinc alloy latch bolt
- Center Distance : 72 mm
- Backset : 40mm
- Deadbolt : 30mm or 40mm, 2 turns
- Faceplate : Sharp or Round, steel
- Lever follower : 8 x 8 mm
- Reversible latch bolt - without tampering with lock mechanism
- Number of keys : two
- Design according to standard 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-08

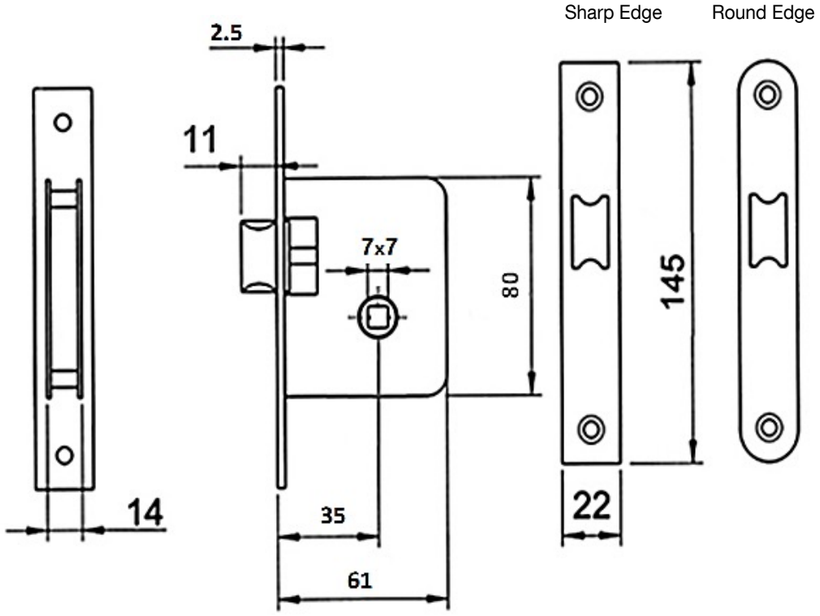
Mortise Bathroom, Lock Latch Only

Outside-inside function:
Latch bolt operated by lever handle from both sides

- Zinc alloy latch bolt, one turn
- Back-set: 35mm
- Face plate : Sharp or Round, steel
- Lever follower: 7 x 7 mm
- Design according 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
Other finishes upon request.



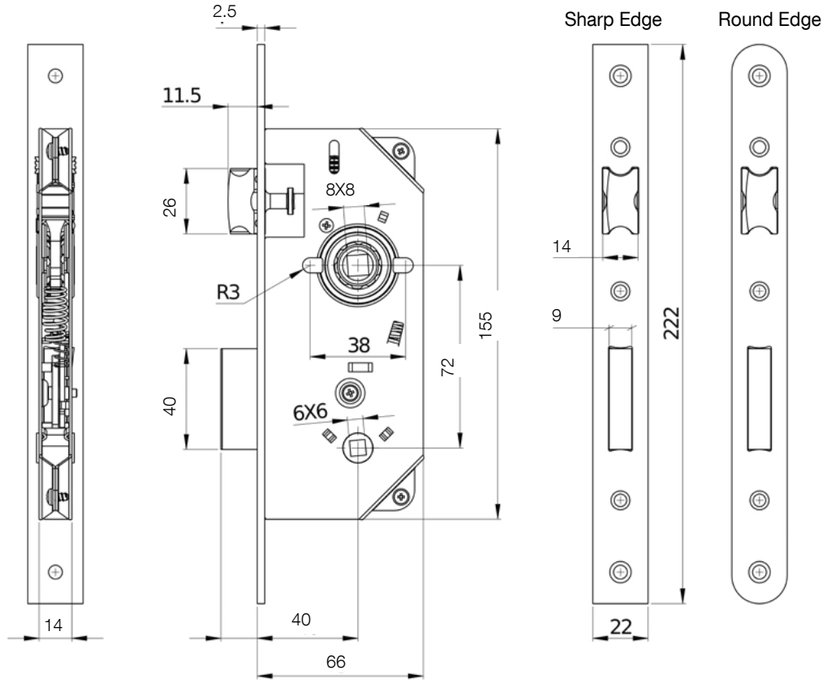
MI-32

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"

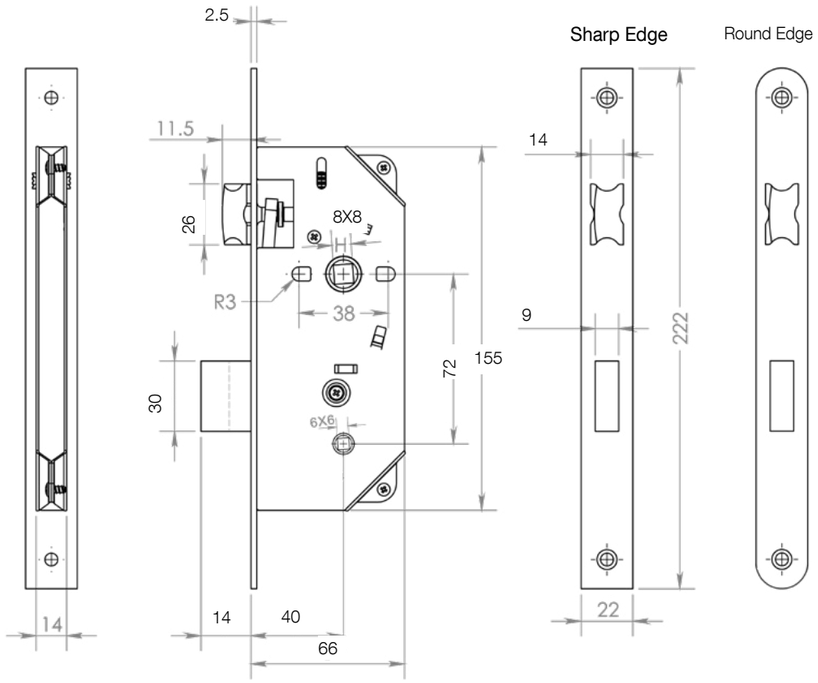
Outside function:
Latch bolt operated by lever handle from both sides

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.



MI-38

Mortise Bathroom Lock

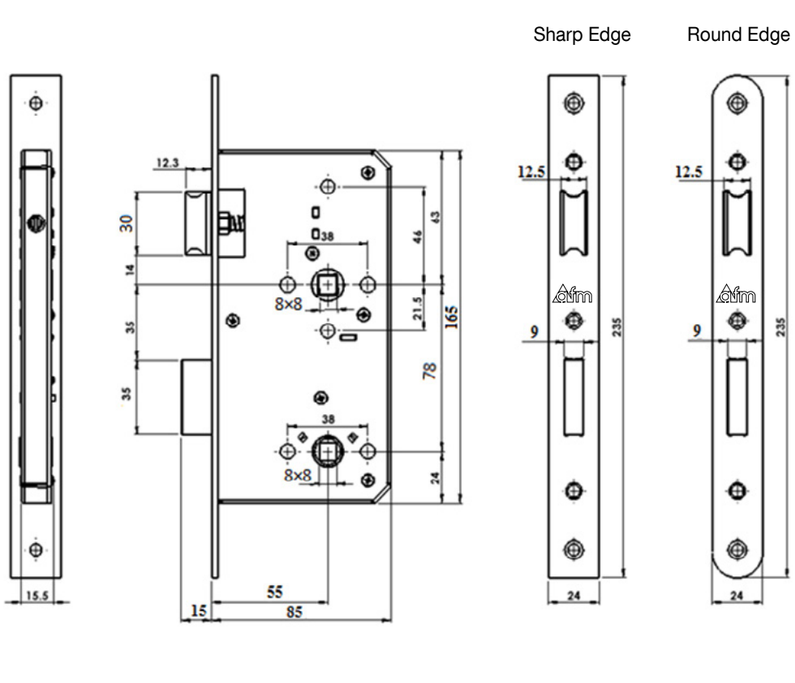
- Stainless Steel deadbolt and latch blot
- Center Distance: 78 mm
- Backset : 55 mm (standard)
- Deadbolt: 35 mm, One turn.
- Faceplate: Sharp or Round Stainless Steel
- Lever follower: 8 X 8 mm
- Reversible latch bolt
- Used for metal and timber doors
- Certified to EN 12209:2016
- Classification Grade | 3 | X | 8 | 0 | 0 | G | 2 | 0 |

Standard Finishes for face plate:

Satin Stainless Steel
Other finishes upon request.

Protection against

Corrosion



Locking Devices // Mortise Bedroom Lockcase

Features and options	MI-06	MI-19	MI-31	MI-33
Performance Level	Standard	Standard	Standard	Standard
Applications	Interior	Interior	Interior	Interior
Center Distance mm				
72 mm		■	■	■
70 mm	■			
Backset				
35 mm	■			
40 mm		■	■	■
Deadbolt Material				
Stainless Steel				
Steel	■	■		
Zinc Alloy	■	■	■	■
Deadbolt Height mm				
30 mm	■	■	■	■
40 mm		■	■	■
Deadbolt Depth mm	16	20	21	21
No. of Turns	2	2	2	2
No. of Keys	2	2	2	2
Hub Size mm				
7x7 mm	■			
8x8 mm	■	■	■	■
Hub Material				
Zinc Alloy	■	■	■	■
Steel				
Ball Bearing			■	
Reversible Latch	■	■	■	■
EN 12209:2016	1L400C10	1M400C10	1L400C10	1L400C10
Durability Cycles	100,000	200,000	100,000	100,000
Face Plate Thickness mm	2	2.5	2.5	2.5

*** Dependent on the complexity of the masterkey system** ■ **Standard** ■ **Available as an option/variant**

Locking Devices // Mortise Bathroom Lockcase

Features and options	MI-08	MI-32	MI-34	MI-38
Performance Level	Standard	Standard	Standard	High
Center Distance mm				
72 mm		■	■	
78 mm				■
Backset				
35 mm	■			
40 mm		■	■	
55 mm				■
Deadbolt Material				
Stainless Steel				■
Steel		■	■	
Zinc Alloy	■			
Deadbolt Height mm				
30 mm		■	■	
35 mm				■
40 mm		■	■	
54 mm				
Deadbolt Depth mm	-	14	14	15
No. of Turns	-	1	1	1
Hub Size mm				
7x7 mm	■			
8x8 mm		■	■	■
Hub Material				
Zinc Alloy		■	■	■
Steel	■			
Ball Bearing		■		
Reversible Latch	■	■	■	■
EN 12209:2016	1M400C10	1L400C10	1L400C10	3X800G20
Durability Cycles	200,000	100,000	100,000	200,000
Face Plate Thickness mm	2.5	2.5	2.5	3
Anti-Corrosion				■

*** Dependent on the complexity of the masterkey system** ■ **Standard** ■ **Available as an option/variant**

Cylinders

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

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.

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

3. Door Mass & Closing Force

0 - No requirement.

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.

5. Safety

Safety category of the product.
0 - No safety requirement

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.

7. Key related Security

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

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-27

Knob Cylinder (CY-27)
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.

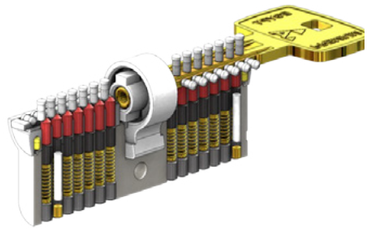
CY-05

Anti-drill Double 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 detainers (pins) as standard.
- Extra 4 side detainers 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

CY-45

Double Cylinder
Standard size 71 mm Other lengths to order in 5 mm increments.

Protection against

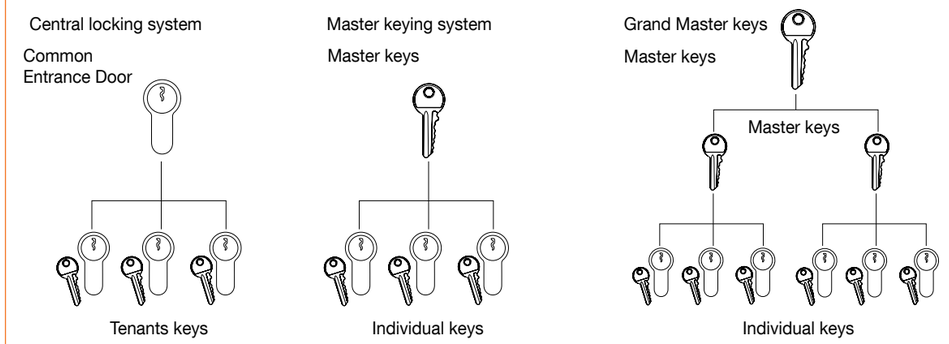
Drilling **Rusting**

RUST

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

	Double Cylinder						Single Cylinder		Knob Cylinder					Bathroom Cylinder
Features and options	**CY-01**	**CY-07**	**CY-45**	**CY-05**	**CY-19**	**CY-49**	**CY-08**	**CY-30**	**CY-03**	**CY-27**	**CY-28**	**CY-24**	**CY-50**	**CY-14**
Security Level	Standard	Standard	High	Medium	High	Medium	Standard	High	Standard	Medium	Medium	High	Medium	Standard
No. of pins	5 pins	5 pins	7 pins	5 pins	6 pins	6 pins	5 pins	6 pins	5 pins	5 pins	5 pins	6 pins	6 pins	N/A
Push resistant projecting cam	■		■	■	■	■	■	■	■	■	■	■	■	■
Anti-drill				■	■			■			■	■		
Anti-Rusting	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Number of keys and key type	3 teethed	3 teethed	5 dimpled	5 dimpled	5 dimpled	5 dimpled	3 teethed	5 dimpled	3 teethed	5 dimpled	5 dimpled	5 dimpled	5 dimpled	
Key duplication likelihood	Medium	High	Low	Medium	Low	Medium	Medium	Low	Medium	High	High	Low	Low	
No. of differs					420,000	150,000		420,000				420,000	150,000	
Master keying Availability					■	■		■				■	■	
EN 1303:2015 Classification	160B0C30	16000C20	160B0C30	160B0C30	160B0C60	160B0C40	160B0C30	160B0C60	160B0C30	160B0C30	160B0C30	160B0C60	160B0C40	16000C00
Durability cycles	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Construction keying function				■										
Cylinder Types														
Euro profile	■		■	■	■	■	■	■	■	■	■	■	■	■
Oval profile		■												
Fire resistance	■		■	■	■		■	■	■	■	■	■		

■ **Standard** ■ **Available as an option/variant**

Hinges

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.

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

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.

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

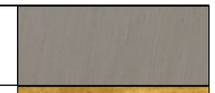
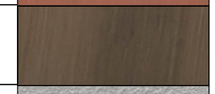
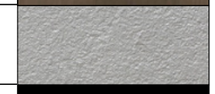
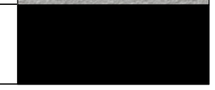
6. Corrosion Resistance

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 subtject 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-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

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

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

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

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)

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)

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

H5

Flush Hinge

- Hinge made from steel, with two rings.
- Hinge with 3 knuckles.
- Non handed hinge.
- No mortising required into the door or door frame.
- According to standard EN 1935:2002

1	4	2	0	1	3	0	6

Standard Finishes:

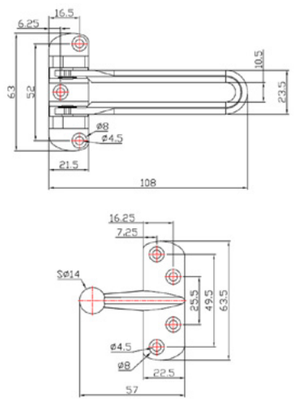
Satin Nickel
Bright Brass
Black
Other finishes upon request

Code	Length x Width x Thickness (mm)	Max door weight for 3 hinges	EN1935 Grade	Durability (cycles)
WPMHGS016	100(4inch) x 75.5(3inch) x 2.5 mm	80 kg	6	25,000

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 Accessories

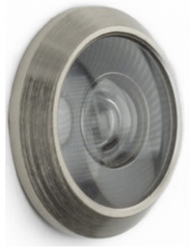
Door Guard
DG-01

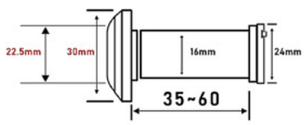


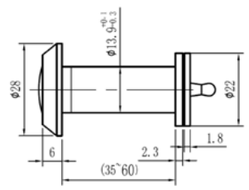
Material	Width	Length
Zinc Alloy	63 mm	108 mm
Stainless Steel 304	68 mm	108 mm

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

Door Viewer
DV-01



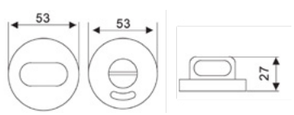




Material	Diameter	Length	Cap
Brass	14 mm	35-60 mm	yes
Zinc Alloy	16 mm	35-60 mm	yes
Stainless Steel 304	14 mm	35-60 mm	yes
Stainless Steel 304	16 mm	35-60 mm	yes

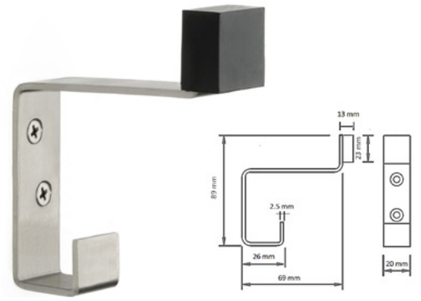
Standard Finishes:
Satin Nickel
Satin Chrome
Satin Stainless Steel
Other finishes upon request

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

Hat and Coat Hook
CH-01

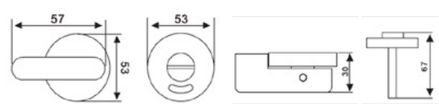


Material	Thickness
Stainless Steel 304	2 ~ 2.5 mm

Hat & Coat Hook with projection

Standard Finishes
Satin Stainless Steel

BTI02



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

Signage
Signs-01

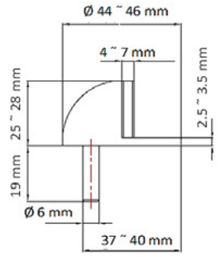
Male Female

Size : 100mm x 100 mm x 1.5 mm

Material
Stainless Steel 304

Standard Finishes
Satin Stainless Steel

Door stops
FMD-02

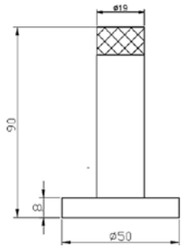


Floor mounted door stop with black rubber buffer (half Dome)

Material
Stainless Steel 304

Standard Finishes
Satin Stainless Steel

WDS-01

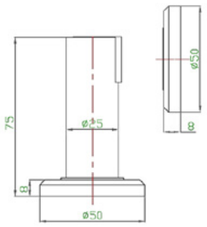


Wall mounted door stop
with black rubber buffer
- Size: Length 90 mm x Ø19 mm
- Base: Ø 50 mm

Material
Stainless Steel 304

Standard Finishes
Satin Stainless Steel

MWDS-01

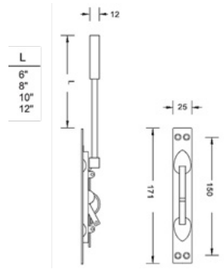


Wall mounted magnetic door holder
Size: Dia. 50mm x Length 75 mm

Material
Stainless Steel 304

Standard Finishes
Satin Stainless Steel

Flush Bolts
FB-01



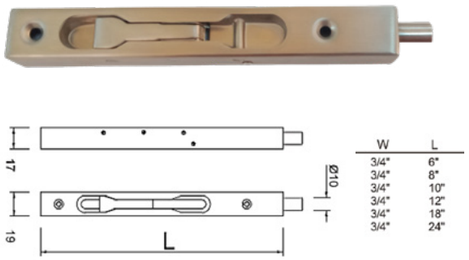
Manual lever action flush bolt ,
for metal door

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

FB-02

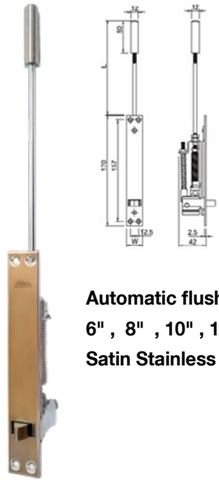


Manual lever action flush bolt,
for timber doors

Material
Stainless Steel 304

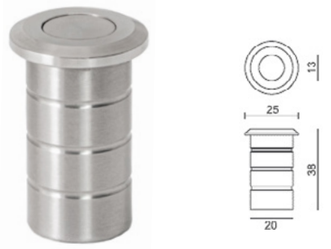
Standard Finishes
Satin Stainless Steel

AFB-01



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

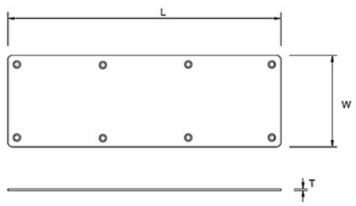
Other Fitting
Dust Proof Sockets
DPS-01



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

Standard Finishes
Satin Stainless Steel

Kick Plate
KP-01

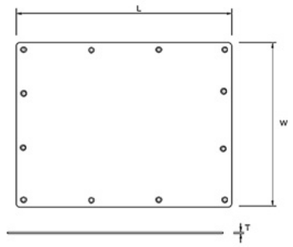


Model	Size	Thickness
KP-01	800 mm x 200 mm x 1.5 mm 800 mm x 200 mm x 1.2 mm 800 mm x 250 mm x 1.5 mm 800 mm x 250 mm x 1.2 mm 900 mm x 200 mm x 1.5 mm 900 mm x 200 mm x 1.2 mm 900 mm x 250 mm x 1.5 mm 900 mm x 250 mm x 1.2 mm	1.2 mm or 1.5 mm

Material
Stainless Steel 304

Standard Finishes
Satin Stainless Steel

Armor Plate
ARP-01

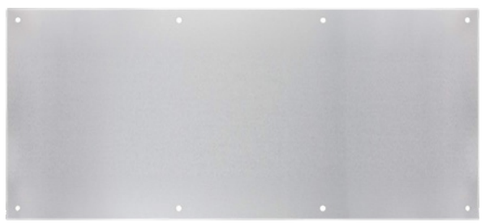


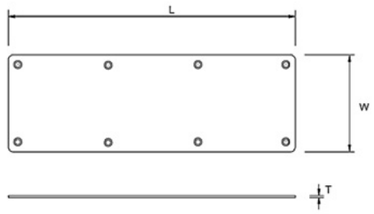
Model	Size	Thickness
ARP-01	800 mm x 800 mm x 1.5 mm 800 mm x 800 mm x 1.2 mm 900 mm x 900 mm x 1.5 mm 900 mm x 900 mm x 1.2 mm	1.2 mm or 1.5 mm

Material
Stainless Steel 304

Standard Finishes
Satin Stainless Steel

Stretcher Plate
STP-01



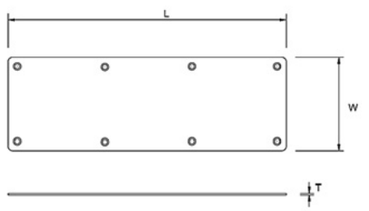


Model	Size	Thickness
STP-01	800 mm x 300 mm x1.5 mm 800 mm x 300 mm x1.2 mm 900 mm x 300 mm x1.5 mm 900 mm x 300 mm x1.2 mm	1.2 mm or 1.5 mm

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 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	1.2 mm or 1.5 mm

Material
Stainless Steel 304

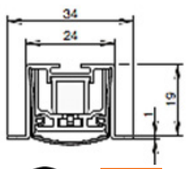
Standard Finishes
Satin Stainless Steel

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

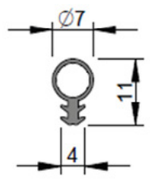


LISTED

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.

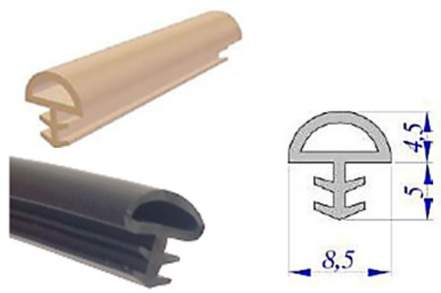
RDS-01



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

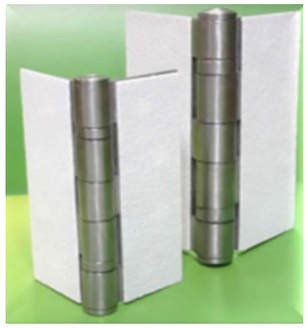
RDS-02



Door perimeter seal (NFR) Gasket

- Unit: Meter
- Color: Black or brown

IS-1



Intumescent for door hinges, type 15

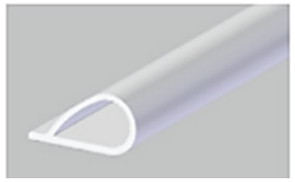
- Finishes: White
- Thickness : 1 mm
- Tolerance on thickness : ±0.2 mm
- Weight : 0.80 – 1.12 kg/m2

IS-2

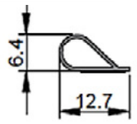
Intumescent for door locks, type 15

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

RDS-03



LISTED



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

LISTED

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

Door Closers

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

- 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**

Protection against

Fire Corrosion

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%

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

- 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 |

Protection against

Fire Corrosion

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 .

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

- 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 | 3 | 8 | 5/2 | 1 | 1 | 3 |

Protection against

Fire Corrosion

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.

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

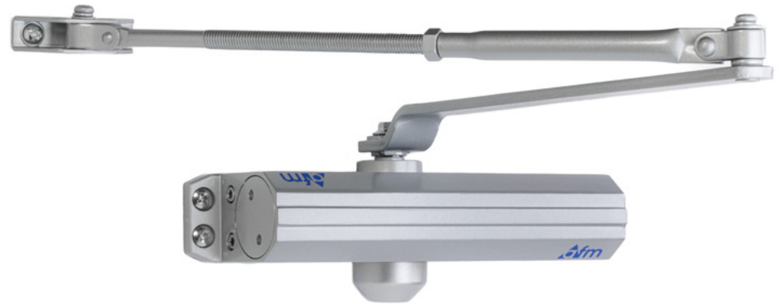
- Power adjustable # 3 to # 6 by position EN, fire rated 120 minutes (Timber doors).
- Certifire No. CF 6027.
- Used with door assemblies of proven fire resistance (as defined in BS EN 1634-1) and having power ratings appropriate to the leaf sizes subject to a minimum size 3 (as specified in BS EN 1154:1997)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

EN 1154: 1997 | 4 | 8 | 6/3 | 1 | 1 | 3 |

Protection against

Fire Corrosion

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

- 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

Fire Corrosion

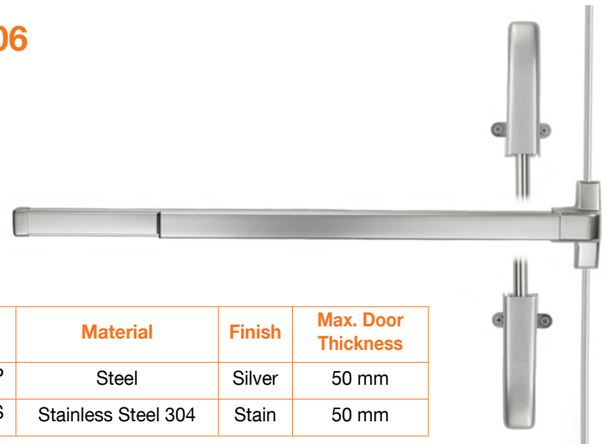
Guarantee	A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials
Power-shoe arm bracket	Designed to be reversed to increase final closing power by approximately 15%
Back-Check	Provides a cushioning effect when the door is forcibly thrown 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.

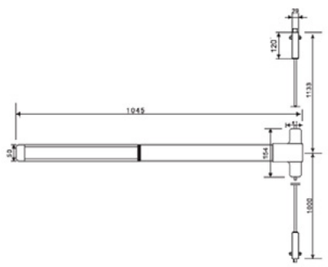
Guarantee	A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials
Power shoe arm bracket	Designed to be reversed to increase final closing power by approximately 15%
Back-Check	Provides a cushioning effect when the door is forcibly thrown 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.

DATA AND FEATURES			DC001	DC002	DC003	DC004	DC006
Variable closing force	Spring Strength		3	2 to 4	2 to 5	3 to 6	1 to 6
Standard doors	750 mm	25 kg			■		
	850 mm	45kg		■	■	■	
	950 mm	60kg	■	■	■	■	
	1100 mm	80kg		■	■	■	
	1250 mm	100 kg				■	
	1400 mm	120 kg				■	
	1500 mm	150 kg					■
Body dimensions (mm)	Length		180	220	227	287	248
	Height		63	52	60	60	70
	Projection		41.5	45	43.5	43.5	44.5
Arm	Standard		■	■	■	■	■
	Parallel		–	optional	optional	optional	optional
	Track (standard)		–	optional	optional	optional	optional
	Track (hold - open)		–	optional	optional	optional	optional
Rack and pinion			■	■	■	■	■
Power shoe arm bracket			■	■	■	■	■
Angle of opening			180°	105°	105°	180°	180°
Power adjustable by position			■	■	■	■	■
Sweep speed adjustable			■	■	■	■	■
Latching speed adjustable			■	■	■	■	■
Delayed action adjustable			■	–			■
Back-Check	Self-regulating			optional		optional	optional
	Adjustable by Valve			optional	■		■
Delayed action adjustable				optional	optional	-	■
Non-handed			■	■	■	■	■
With cover	Stainless steel 304			optional	optional	optional	
Application	Regular (1)		■	■	■	■	■
	Parallel arm (66)		■	optional	optional	optional	optional
	Transom (61)		■	■	■	■	■
Guarantee / years			5 years	5 years	5 years	5 years	5 years

Panic Exit Devices

PA406





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

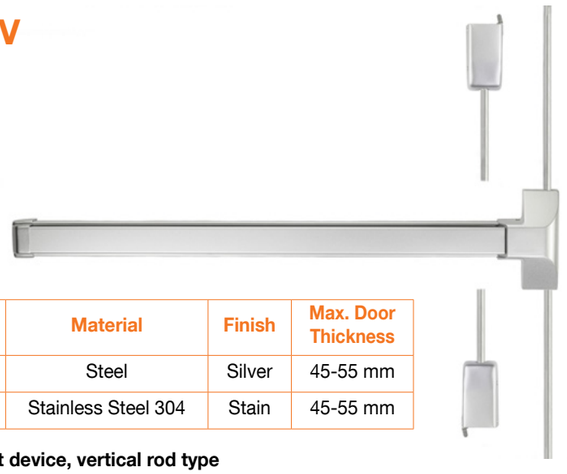
Panic device vertical rod type, half length touch bar exit device

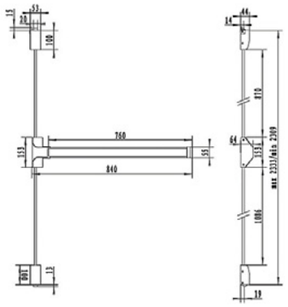
- Door Style: Single and double doors
- Non handed
- Security Anti-thrust latch
- ANSI/BHMA A156.3 (2014) Grade 1 , ANSI / UL 10C , ANSI/UL 305
- Used for metal and wooden doors
- UL listed - R40737, fire rated
- CE - Mark
- Certified to EN1125:2008 | 3 | 7 | 6 | B | 1 | 4 | 2 | 2 | B | A |

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

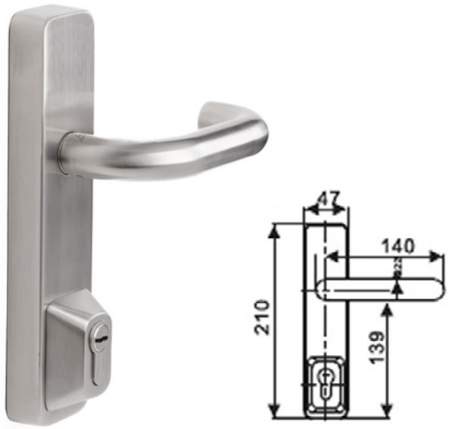
Panic exit device, vertical rod type

- 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

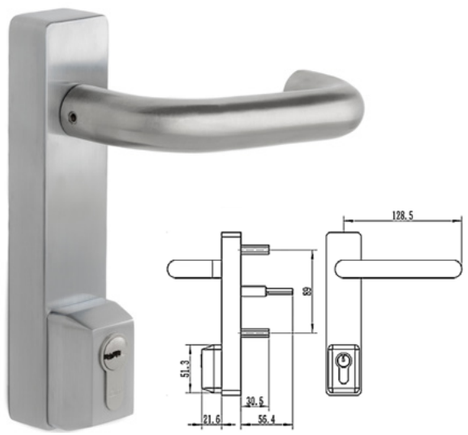


Trim lever with plate, Stainless steel

- 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 | 3 | 7 | 6 | B | 1 | 4 | 2 | 2 | B | A |

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

THKP109



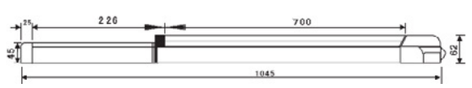
Trim handle for panic exit device

- 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

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

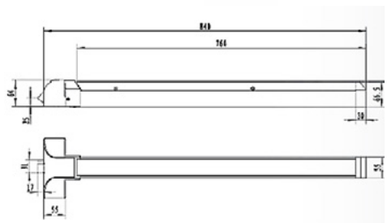
- Door Style: Single and double doors
- Non handed
- Security Anti-thrust latch
- ANSI/BHMA A156.3 (2014) Grade 1 , ANSI / UL 10C , ANSI/UL 305
- Used for metal and wooden doors
- UL listed - R40737, fire rated
- CE - Mark
- Certified to EN1125:2008 | 3 | 7 | 6 | B | 1 | 4 | 2 | 2 | B | A |

Protection against

Fire Corrosion

PA03R

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



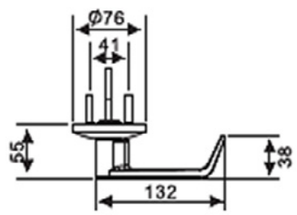
Panic exit device, Rim type,

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

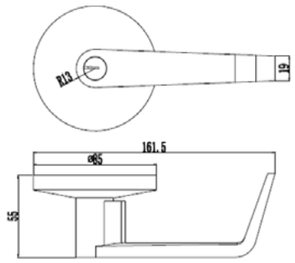


Entrance Trim lever with rosette, Stainless steel

- 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 | 3 | 7 | 6 | B | 1 | 4 | 2 | 2 | B | A |

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

THL102

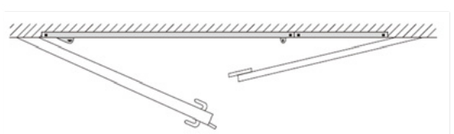


Trim handle for panic exit device

- 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

DCO-01

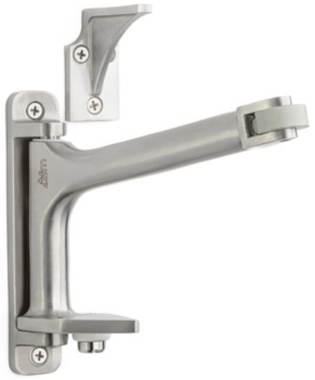


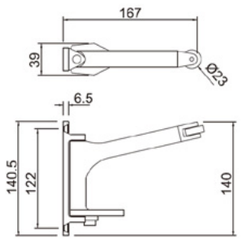
Material	Length
Stainless Steel 304	900 - 1320 mm

Protection against

Corrosion

GDC-01





Material

Stainless Steel 304

Protection against

Corrosion

Filler bar
FIB-01

Material	Length
Stainless Steel 304	800 mm

Mounting Bracket
MB-01

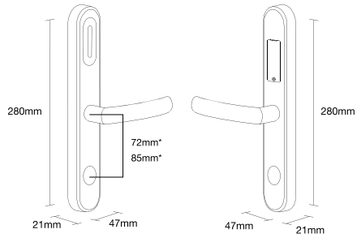
Mounting Bracket , Two levels

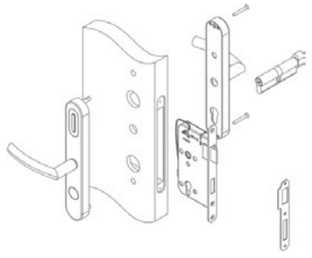
Material

Aluminum

Digital Solutions

AHM - HTL
Smart Solutions

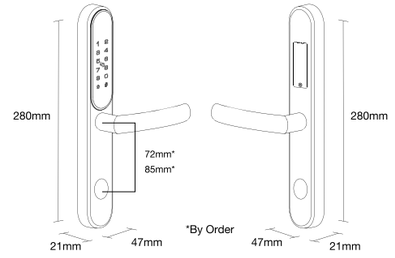


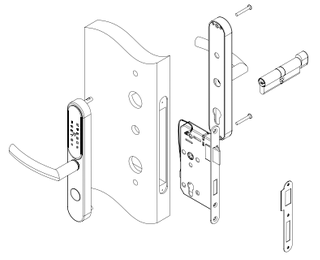


Technical Specifications

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
Smart Solutions

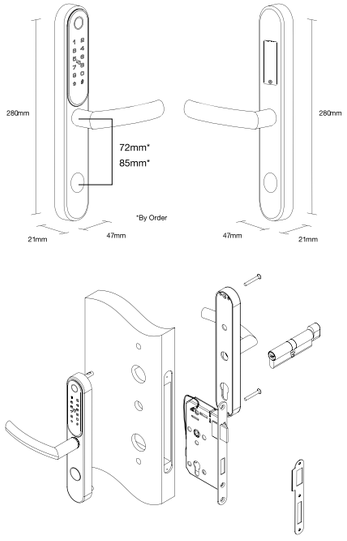




Technical Specifications

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

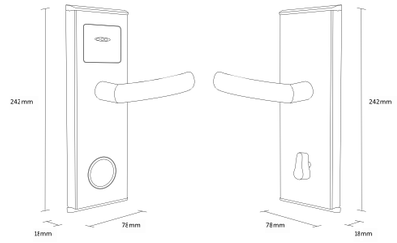
AHM - FP
Smart Solutions

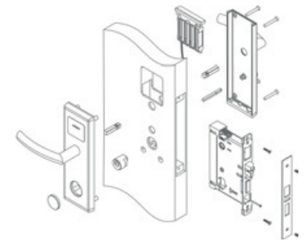


Technical Specifications

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 - CLASSIC
Smart Solutions

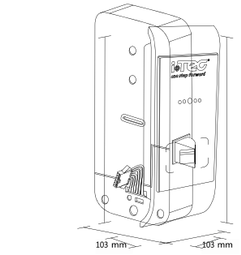


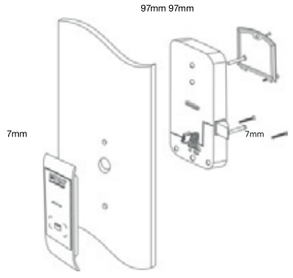


Technical Specifications

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

AHM - CB CARD
Smart Solutions

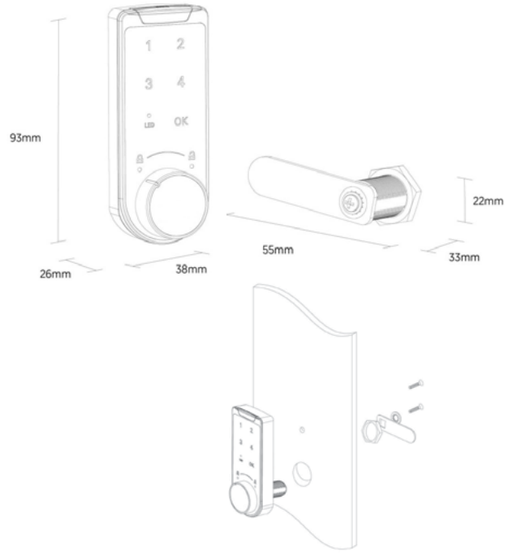




Technical Specifications

Material	Zinc Alloy
Technology	Mifare® (Classic ISO/IEC 4-14443)
Opening method	RF Card
Emergency open	
Power	DC 4.5V (AA*3)
Battery lifetime	~8 Months
Leds	Green and red
Low battery alarm	3 Long tick before operation
Driving consumption	260 MA
Open time	7S
Number of openings	2000 Openings (1year)
Stand alone	Yes
IP	IP 56
Reading distance	≤ 55 mm
Recognition	0.5 S
Weight	0.2 kg
Resistance of humidity	＜96%
Work temperature	-20 °C to + 70 °C
Storage temperature	-40 °C to + 80 °C
Door thickness	0.3 mm to 20 mm

AHM - CB CODE
Smart Solutions



Technical Specifications

Material	ABS
Technology	
Opening method	CODE
Emergency open	
Power	DC4.5V(AA*3)
Battery lifetime	~12 Months
Leds	Yes
Low battery alarm	3 Long tick before operation
Driving consumption	260 MA
Open time	7S
Number of openings	2000 Openings (1year)
Stand alone	Yes
IP	IP 56
Reading distance	≤ 55 mm
Recognition	
Weight	0.2 kg
Resistance of humidity	＜96%
Work temperature	-20 °C to + 70 °C
Storage temperature	-40 °C to + 80 °C
Door thickness	0.3 mm to 20 mm

Technical Specifications	AHM - HTL Smart Solutions	AHM - CODE Smart Solutions	AHM - FP Smart Solutions	AHM - CLASSIC Smart Solutions	AHM - CB CARD Smart Solutions	AHM - CB CODE Smart Solutions
Material	Stainless Steel 304	Stainless Steel 304	Stainless Steel 304	Stainless Steel 304	Zinc Alloy	ABS
Technology	Mifare® (Classic ISO/EC14443-4)	Mifare® (Classic ISO/IEC 14443-4) or Bluetooth	Finger Print, Pin Code or Mifare® (Classic ISO/IEC 14443-4) or Bluetooth	Mifare® (Classic ISO/EC14443-4)	Mifare® (Classic ISO/IEC 4-14443)	
Opening method	Proximity	Pin Code	-	Proximity	RF Card	Code
Emergency open	Mechanical key	Mechanical key	Mechanical key	Mechanical key		-
Power	DC 6V (AAA*4)	DC 6V (AAA*4))	DC 6V (AAA*4)	DC 6V (AA*4)	DC 4.5V (AA*3)	DC 4.5V(AA*3)
Battery lifetime	12 Months	12 Months	12 Months	12 Months	~8 Months	12 Months
Leds	Green and red	White	White	Green and red	Green and red	Yes
Low battery alarm	3 Long tick before operation	3 Long tick before operation	3 Long tick before operation	3 Long tick before operation	3 Long tick before operation	3 Long tick before operation
Driving consumption	350 MA	< 200 MA	< 200 MA	350 MA	260 MA	260 MA
Open time	7 S	1.5 S	1.5 S	1.5 S	7S	7 S
Number of openings	5000 Openings (1year)	5000 Openings (1year)	5000 Openings (1year)	5000 Openings (1year)	2000 Openings (1year)	2000 Openings (1year)
Stand alone	Yes	Yes	Yes	Yes	Yes	Yes
IP	IP 54 (IP56 by request)	IP 65	IP 65	IP 54 (IP65 by request)	IP 56	IP 56
Reading distance	≤ 55 mm	-		55 mm	≤ 55 mm	≤ 55 mm
Recognition	0.5 S	0.5 S	0.5 S	0.5 S	0.5 S	-
Weight	1.2 kg	1.2 kg	1.2 kg	3 kg	0.2 kg	0.2 kg
Resistance of humidity	< 95%	30%-95%	30%-95%	-20C~+65C	< 96%	< 96%
Work temperature	-20°C to +65°C	-20°C to +60°C	-20°C to +60°C	-20°C to +65°C	-20 °C to + 70 °C	-20°C to +70°C
Storage temperature	-40°C to +80°C	-	-	-40°C to +80°C	-40 °C to + 80 °C	-40°C to +80°C
Door thickness	30 mm to 55 mm	30 mm to 55 mm	30 mm to 55 mm	30 mm to 55 mm	0.3 mm to 20 mm	0.3 mm to 20 mm

NOTE

NOTE

AHRAM
Security Group

Head Office
Cairo Business Park C2,
Building, New Cairo
Block 1 / First Settlement

Factory
10th of Ramadan City,
3rd Industrial Zone A1,
PO Box 1764, Egypt
Tel.: +205 5441 0410

Call Center
16614

Website
www.ahramsg.com

Email
info@ahramsg.com