

# HILA REVOLVING DOORS



## Co146 Series REVOLVING DOOR

Automated Security Revolving Door with single passage checking system (tailgating and piggybacking detection systems).



Co146.160.N  
Co146.180.N  
Co146.230.N

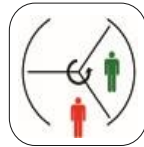
## SELF-MANAGED REVOLVING DOOR SINGLE PASSAGE CHECKING SYSTEM

Automated High Security Revolving Door for simultaneous bi-directional traffic, it allows for users to enter and leave the building at the same time. It controls the single passage into each turnstile segment.

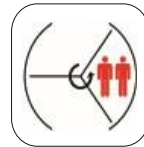
**BULLETPROOF Certified glass according to EN1063:**  
**BURGLAR PROOF** Turnstile glass: BR1/S and P4B  
**PROOF**Structure glass: BR2/S and P6B



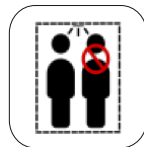
REMOVABLE  
STRUCTURE



TAILGATING  
(SINGLE PASSAGE  
CHECKING SYSTEM)



PIGGYBACKING  
DETECTION SYSTEM



PRESENCE CHECKING  
THROUGH ULTRASONIC  
VOLUMETRIC SENSOR



ACCESS CONTROL  
SYSTEMS INTEGRATION

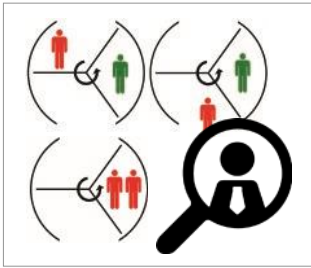


FB4 BULLETPROOF  
RES. STEEL  
STRUCTURE  
(on Co146.NB )



The most harmonious access control solution for high flow prestigious places.

## FLOW MANAGEMENT SYSTEM



The door system **controls the single authorized passage in each turnstile segment**. At the same time the door sensors guarantee: tailgating and piggybacking detection, blocking the unauthorized persons and any kind of multiple accesses in the same turnstile partition.

## WITHOUT BASE



Removable structure, designed without base (floor). It can be directly installed on the existing floor. An elegant solution for entrances in: museums, hotels, shopping malls, airports, meeting centers, data centers, companies, industries, stadiums, etc.

## FB4 REINFORCED STRUCTURE



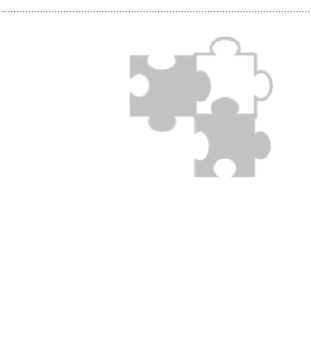
The Co146.NB doors are special versions with a reinforced structure thanks to additional bulletproof steel panels (FB4 grade according to EN 1522). All models can be equipped with 30/31mm BR4/S certified external glass according to EN 1063 (on request, optional).

## ACCESS CONTROL SYSTEMS



It is an **excellent solution as access control gate** for companies, meeting centers, museums, airports, hotels, etc., also for areas with restricted/conditioned access, thanks to the integration with badge/RFid readers, fingerprint acquisition & face detection systems or any other biometric solution (optional, mounted on external side or column).

## EQUIPMENT & ACCESSORIES



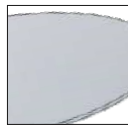
- Removable structure: installed on site, directly on the existing floor
- Person presence checking system with volumetric sensors
- Anti-taigating system: people detection, one following the other on different segments
- Anti-piggybacking system: two people detection, even if one takes in arms the other
- Portal management unit/console with program functions and LCD display
- Traffic light panels with intercom
- Multilingual voice messages
- Interfacing to access control systems / presence detection systems (RS485)
- Integration with badge readers or fingerprints acquisition systems (optional)
- Interior lighting: lights LED strips
- Emergency system: automatic unlocking system
- Mechanical lock for additional locking during the night-times
- Anti-drilling armored defender for key cylinder protection (optional)
- Reinforced steel structure with additional FB4 panels: on Co146.NB versions
- Rain cover: honeycomb PVC cover cap panel, UV resistant
- Reinforced upper cover: steel panel for cap protection (optional)

# VERSIONS

Three different versions: Co146.160 (Ø1600 mm), Co146.180 (Ø1800 mm), Co146.230 (Ø2300 mm).



Honeycomb PVC cover cap panel, UV resistant.



Steel panel for cap cover (optional).



Anti-drilling armored defender for key cylinder protection (optional).

## Co146 TECHNICAL FEATURES



**WEIGHT:** from 850 Kg to 1350 Kg ca. depending on version and accessories.



**POWER SUPPLY:** 100-240 V, 50-60 Hz.



**OPERATING VOLTAGE:** 24 V.c.c. with batteries for activity without power supply.



**TRANSIT CAPACITY:** at the standard speed of 4 turns per minute, the 3-wings turnstile guarantees a bidirectional flow of: 12 passages per min., while the 4-wings turnstile: 16 passages per min. (without alarms).



**STRUCTURE:** painted steel, supplied disassembled, to be assembled on site. The Co146.NB doors are equipped with additional bulletproof steel panels.



**PAINTING:** standard RAL colors with fine finish (glossy finish, stainless steel and special colors on request).



**PROGRAMMABLE FUNCTIONS:** emergency/block; automatic/manual transit; passage: mono/bidirectional.



**EXTERNAL GLASS:** side panels 53/64" 20/21mm bulletproof BR2/S and burglar proof P6B laminated glass (optional: 7/32" 30/31mm BR4/S and P8B).



**INTERNAL GLASS (turnstile):** laminated glass 35/64" 13/14mm BR1/S and P4A.



**CONSUMPTION:** Idle 50W, turning (in motion) from 100 to 150W depending on the versions and accessories.



**MOVEMENT:** electromechanical drive by 24V DC motor with reversible movement of the turnstile in absence of supply voltage.



**LIGHTING:** interior compartment with 4 Led strips 12V-50/60Hz.



**ELECTRONICS:** control logic developed Microprocessor control and self-diagnosis.

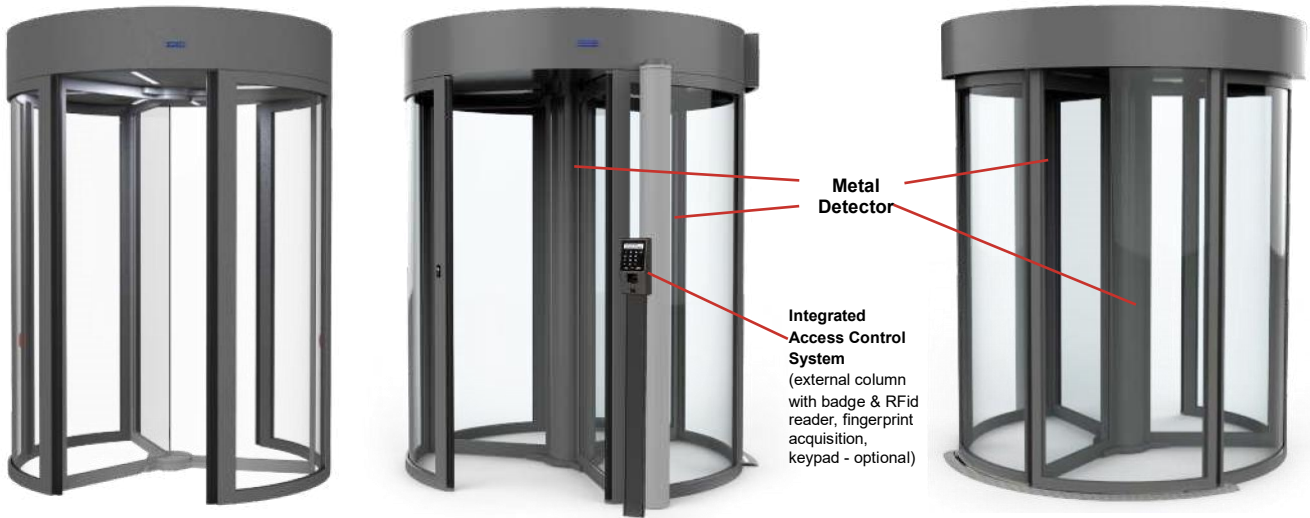


**SAFETY / ACCIDENT PREVENTION:** sensitive electrical edges certified according to EN12978 (anti-crushing)

# REVOLVING DOORS COMPARISON

## Co146-Co147 SERIES

Revolving Doors models comparison table.



Model	Dimensions	Passage	Door	Metal Detector	Floor base	Turnstile	Glass	Structure	Weight	RC4 Certification						
Co146.160.NA	Ø 1600 mm H 2325 mm Ø 5.2493' H 7.628'	W 660 mm H 2090 mm W 2.1654' H 6.857'	No	No	Without base	3 wings	Int: 13/14 mm (35/64") BR1/S - P4A  Ext: 20/21mm (53/64") BR2/S - P6B	Steel	1873 / 2976 lbs  850 / 1350 Kg	-						
Co146.160.NB		Additional FB4 steel panels						-								
Co146.180.NA	Ø 1800 mm H 2325 mm Ø 5.9055' H 7.628'	W 750 mm H 2090 mm W 2.4606' H 6.857'				3 wings (4 wings optional)		Steel		-						
Co146.180.NB		Additional FB4 steel panels						-								
Co146.230.NA	Ø 2300 mm H 2325 mm Ø 7' 6,551" H 7.628'	W 1050 mm H 2090 mm W 3,4448' H 6.857'				4 wings		Steel		-						
Co146.230.NB		Additional FB4 steel panels						-								
Co146.180.ND	Ø 1800 mm H 2325 mm Ø 5.9055' H 7.628'	W 750 mm H 2090 mm W 2.4606' H 6.857'				4 wings		Reinforced sides and electric locks		YES						
Co146.180.NE		Int. and Est. BR2/S						Addition of internal and external FB4 panels								
Co146.230.ND	Ø 2300 mm H 2325 mm Ø 7' 6,551" H 7.628'	W 1050 mm H 2090 mm W 3,4448' H 6.857'				4 wings		on request: Int. and Est. BR4/S Int. and Est. BR4/NS			Reinforced sides and electric locks					
Co146.230.NE		Addition of internal and external FB4 panels														
Co147.180.SA	Ø 1800 mm H 2375 mm Ø 5.9055' H 7.792'	W 750 mm H 2090 mm W 2.4606' H 6.857'				1 door		Yes			Without base	3 wings	Int: 13/14 mm (35/64") BR1/S - P4A  Ext. & Door: 20/21mm (53/64") BR2/S - P6B	Steel	1984 / 3086 lbs 900 / 1400 Kg	-