

Armoured Doors



ASSA ABLOY



The firmness of the leader



TESA armoured doors are the maximum portrayal of security at **TESA**. In them, all the years of experience and the great range of products that **TESA** has developed are incorporated to offer you the utmost Security. The ratings obtained by our

various models of armoured doors at authorized laboratories certify it. For all of these reasons, preferring a **TESA** armoured door is to choose a product of added value and great security.

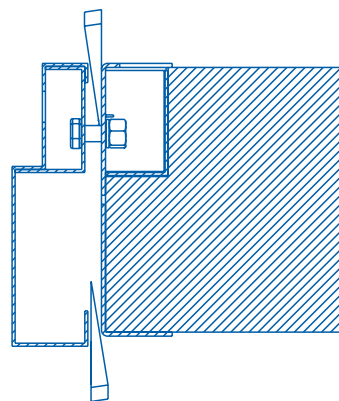
Why should you install an armour-plated door?

Reinforced doors have been ousted by armoured doors as far as security goes. The main material used in the manufacture of armoured doors, steel, offers sturdiness and resistance very superior to those of wood. This new concept of Security door, the Armour-plated door, is beginning to permeate in our society, reflected in a spectacular increase in demand.



Simplicity of installation

Armoured doors are designed to offer the highest level of security, also considering the requirements of professional carpenters. The installation of an armoured door is an easy task, it does not require the use of special tools or other elements. It's as easy as joining the frame to the pre-frame using screws.



Design and decorative possibilities

Armoured doors are decorated with panels. This fact allows to combine different inside and outside designs. Besides, it is possible to assemble the panels once the door has been correctly installed and the construction is finished. This way the chances of scratching or breaking the decorative panels during the construction process are eliminated. The wide range of decorative options offered by **TESA** armoured doors allow to combine design and high security door solutions. **TESA** also offers a full variety of wooden covers for the metal frame.



TESA warranties

Quality is guaranteed when you purchase **TESA**. The ratings obtained by our various models of armour-plated doors at authorized laboratories certify it. **TESA** also has a range of fire resistant armour-plated doors that comply with the european regulations. This is why, when you acquire a **TESA** product you are gaining tranquility.



Regulations

Security

TESA has the **ISO 9001** quality system and the **ISO 14001** environmental system.

UNE-EN1630(Burglar-proof resistance). The test consists of trying to manually force the door, by using a group of tools for a certain duration, defined by the desired degree to achieve.

Class Degree	Application example	Tools	Time resisted (min)	Maximum total time of the test
1	There are no tests available for homes of regular risk	No test for manual Burglar-proof resistance.		
2	For residential buildings of normal risk and villas.	A	3	15
3	For residential buildings of considerable risk, industrial building offices and stately villas.	B	5	20
4	Banks, jewelry stores and hospitals.	C	10	30
5	Protection of classified documents, military zones, etc.	D	15	40
6	Protection of classified documents, military zones, nuclear plants, etc.	E	20	50



Fire

UNE-EN 13501-2 (classification) y **UNE-EN 1634 -1** (test)

Technical characteristics that define a door:

- Mechanical stability or integrity (E): ability of the structure to remain unalterable in its mechanical function.
- Thermal insulation (I): the ability to prevent heat transfer from the exposed side to the unexposed side.

CE Marking

It is the marking products must have for their free circulation in the territories of the member states of the EU and countries belonging to the European economic space. The securitesa armoured door tests according to European regulation **UNE-EN 14351-1**.

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Premium

5 points lock with 18mm bolts and hooks.

EI 30 (Optional)



Regulations

* Ce marking according to UNE-EN 14351-1

- » Resistance to wind load.
 - Test pressure: Class 4
 - Frame deformation: Class C
- » Acoustic performance: 24 dB
- » Thermal transference: 3 W/m²K
- » Air permeability: Class 1
- » Water tightness: PND



* Grade 4 BURGLAR-PROOF RESISTANCE UNE-EN1627

* EI30 FIRE-PROOF UNE-EN 13501-2 (Optional)

Application

- » Suitable for replacement.
- » Valid as an extreme security door.
- » Heavy traffic of people.
- » Possibility of going directly to wall or wooden preframe.

Operation

The door will open from the exterior by introducing the key and releasing the multipoint lock. From the interior it will open activating the handle or the cylinder.

Characteristics

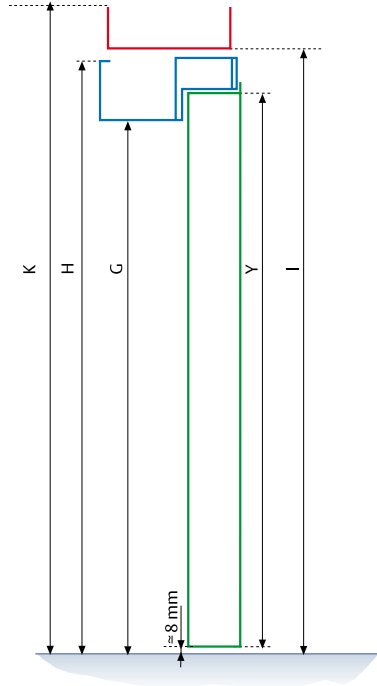
- » Metallic preframe. (Optional)
- » Steel frame covered in natural wood (lacquered optional).
- » Sheet composed of a welded and reinforced steel structure.
- » Can add different types of panels.
- » Lacquered edging strip.
- » Multi-point high security lock 5 closing points of 18 mm bolts.
- » High security cylinder and impossible to copy key.
- » High security defender.
- » Reinforced adjustable lock.
- » 3 adjustable security hinges.
- » 6 anti-leverage bolts.
- » Automatic windstopper
- » Service function. (Full Lock)
- » Rock wool for thermal and acoustic insulation. (Optional)
- » Intumescent seal. (Optional)



Finish	Standard	Frame	Edging strip
Lacquered	RAL 9016 (White)	YES	YES
	RAL 9016 (Grey)	YES	YES
	RAL 8019 (Brown)	YES	YES
	Gold	NO	YES
Wood	Sapelly	YES	NO
	Oak	YES	NO
	Reed beech	YES	NO
	Cherry	YES	NO

Recommended and available in stainless steel for marine environments.

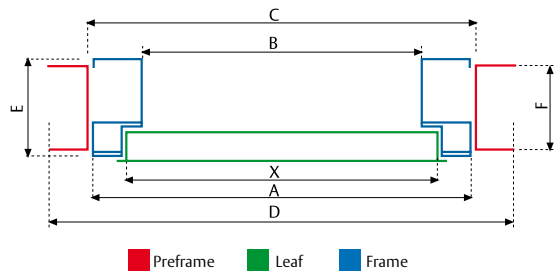
Premium



Preframes only available for **STANDARD** measures.

Optional: Fire proof only available for **STANDARD** measures. These measurements are for guidance. Consult the technical manual.

Model	Frame thickness	Preframe thickness
	E	F
75	75	
100	100	95
120	120	115
140	140	135
155	155	150



Height of block (TESA's Reference)	Height of the leaf Y	Height of block H	Light of passage G	Free slot (preframe) I	Free slot (building) K
1945 (1910)	1910	1945	1941		
1975 (1940)	1940	1975	1971		
2005 (1970)	1970	2005	2001		
2020 (1985)	1985	2020	2016		
2035 (2000)	2000	2035	2031		
2050 (2015)	2015	2050	2046		
2065 (2030)	2030	2065	2061	2077	2110
2080 (2045)	2045	2080	2076		
2105 (2070)	2070	2105	2101		
2125 (2090)	2090	2125	2121		
2145 (2110)	2110	2145	2141	2157	2190
2165 (2130)	2130	2165	2161		
2200 (2165)	2165	2200	2196		
2235 (2200)	2200	2235	2231		
2285 (2250)	2250	2285	2281		
2335 (2300)	2300	2335	2331		
2385 (2350)	2350	2385	2381		
2435 (2400)	2400	2435	2431		

Width of block (TESA's Reference)	Width of the leaf X	Width of block A	Light of passage B	Free slot (preframe) C	Free slot (building) D
800 (750)	743	800	718		
830 (780)	773	830	748		
850 (800)	793	850	768		
865 (815)	808	865	783		
887 (837)	830	887	805	897	964
905 (855)	848	905	823		
925 (875)	868	925	843		
950 (900)	893	950	868		
975 (925)	918	975	893	985	1052
1000 (950)	943	1000	918		
1030 (980)	973	1030	948		

Automatica

3 independent automatic closing points.

EI 30 (Optional)



Regulations

* Ce marking according to UNE-EN 14351-1

- » Resistance to wind load.
 - Test pressure: Class 4
 - Frame deformation: Class C
- » Acoustic performance: 24 dB
- » Thermal transference: 3 W/m²K
- » Air permeability: Class 1
- » Water tightness: PND



* Grade 4 BURGLAR-PROOF RESISTANCE UNE-EN1627

* EI30 FIRE-PROOF UNE-EN 13501-2 (Optional)

Application

- » Suitable for replacement.
- » Valid as an extreme security door.
- » Heavy traffic of people.
- » Possibility of going directly to wall or wooden preframe.

Operation

The door will open from the exterior by introducing the key and releasing the multipoint lock. From the interior it will open activating the handle or the cylinder. When the door is closed it will be blocked at 3 points automatically, without need of activating the cylinder.

Characteristics

- » Metallic preframe. (Optional)
- » Steel frame covered in natural wood (lacquered optional).
- » Sheet composed of a welded and reinforced steel structure.
- » Can add different types of panels.
- » Lacquered edging strip.
- » Multi-point automatic independent lock.
- » High security cylinder and impossible to copy key.
- » High security defender.
- » Reinforced adjustable lock.
- » 3 adjustable security hinges.
- » 6 anti-leverage bolts.
- » Automatic windstopper
- » Service function. (Only Retrofit market)
- » Rock wool for thermal and acoustic insulation. (Optional)
- » Intumescent seal. (Optional)

Finish	Standard	Frame	Edging strip
Lacquered	RAL 9016 (White)	YES	YES
	RAL 9016 (Grey)	YES	YES
	RAL 8019 (Brown)	YES	YES
Wood	Gold	NO	YES
	Sapelly	YES	NO
	Oak	YES	NO
	Reed beech	YES	NO
	Cherry	YES	NO

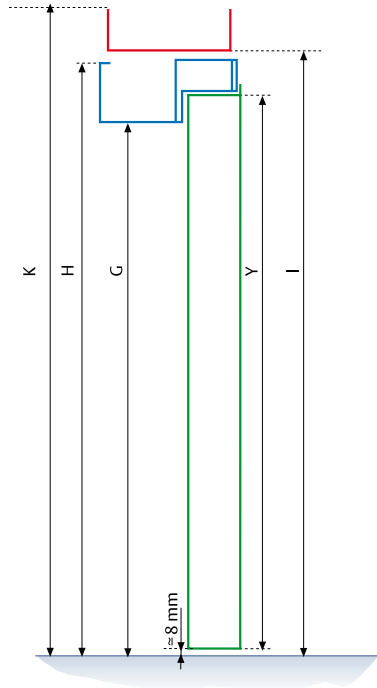


High security: automatic closing without using the key

Hooks lubrication is recommended every 6 months.

Recommended and available in stainless steel for marine environments.

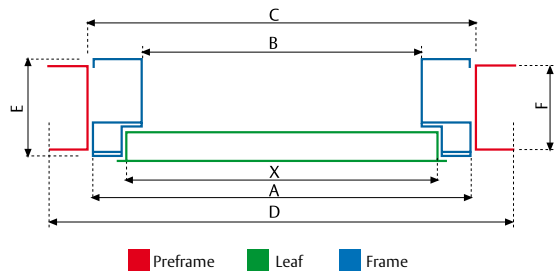
Automatica



Preframes only available for **STANDARD** measures.

Optional: Fire proof only available for **STANDARD** measures. These measurements are for guidance. Consult the technical manual.

Model	Frame thickness	Preframe thickness
	E	F
75	75	
100	100	95
120	120	115
140	140	135
155	155	150



Height of block (TESA's Reference)	Height of the leaf Y	Height of block H	Light of passage G	Free slot (preframe) I	Free slot (building) K
1945 (1910)	1910	1945	1941		
1975 (1940)	1940	1975	1971		
2005 (1970)	1970	2005	2001		
2020 (1985)	1985	2020	2016		
2035 (2000)	2000	2035	2031		
2050 (2015)	2015	2050	2046		
2065 (2030)	2030	2065	2061	2077	2110
2080 (2045)	2045	2080	2076		
2105 (2070)	2070	2105	2101		
2125 (2090)	2090	2125	2121		
2145 (2110)	2110	2145	2141	2157	2190
2165 (2130)	2130	2165	2161		
2200 (2165)	2165	2200	2196		
2235 (2200)	2200	2235	2231		
2285 (2250)	2250	2285	2281		
2335 (2300)	2300	2335	2331		
2385 (2350)	2350	2385	2381		
2435 (2400)	2400	2435	2431		

Width of block (TESA's Reference)	Width of the leaf X	Width of block A	Light of passage B	Free slot (preframe) C	Free slot (building) D
800 (750)	743	800	718		
830 (780)	773	830	748		
850 (800)	793	850	768		
865 (815)	808	865	783		
887 (837)	830	887	805	897	964
905 (855)	848	905	823		
925 (875)	868	925	843		
950 (900)	893	950	868		
975 (925)	918	975	893	985	1052
1000 (950)	943	1000	918		
1030 (980)	973	1030	948		

5 point lock with 18mm bolts.

EI 30 (Optional)



Regulations

* Ce marking according to UNE-EN 14351-1

- » Resistance to wind load.
 - Test pressure: Clase 4
 - Frame deformation: Clase C
- » Acoustic performance: 24 dB
- » Thermal transference: 3 W/m2K
- » Air permeability: Clase 1
- » Water tightness: PND



* Grade 4 BURGLAR-PROOF RESISTANCE UNE-EN1627

* EI30 FIRE-PROOF UNE-EN 13501-2 (Optional)

Application

- » Valid as a security door.
- » Heavy traffic of people.
- » Possibility of going directly to wall or wooden preframe.

Operation

The door will open from the exterior by introducing the key and releasing the multipoint lock. From the interior it will open activating the handle or the cylinder.

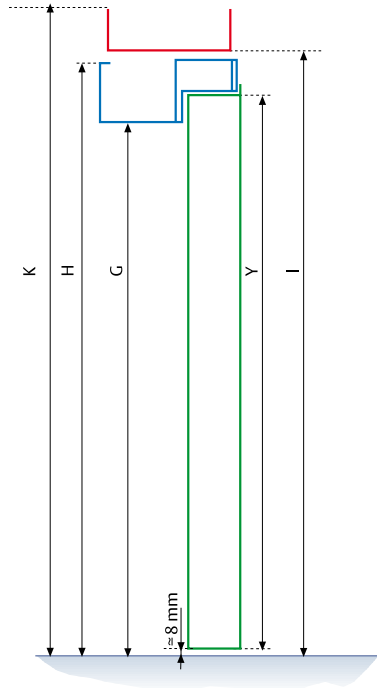
Characteristics

- » Metallic preframe. (Optional)
- » Steel frame covered in natural wood (laquered optional).
- » Sheet composed of a welded and reinforced steel structure.
- » Can add different types of panels.
- » Lacquered edging strip.
- » Multi-point high security lock 5 closing points of 18 mm bolts.
- » High security cylinder and impossible to copy key.
- » High security defender.
- » Reinforced adjustable lock.
- » 3 adjustable security hinges.
- » 6 anti-leverage bolts.
- » Automatic windstopper
- » Rock wool for thermal and acoustic insulation. (Optional)
- » Intumescent seal. (Optional)



Finish	Standard	Frame	Edging strip
Lacquered	RAL 9016 (White)	YES	YES
	RAL 9016 (Grey)	YES	YES
	RAL 8019 (Brown)	YES	YES
Wood	Gold	NO	YES
	Sapelly	YES	NO
	Oak	YES	NO
	Reed beech	YES	NO
	Cherry	YES	NO

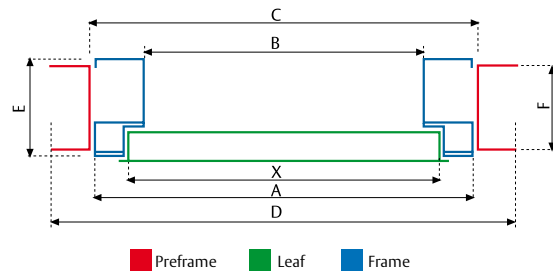
Recommended and available in stainless steel for marine environments.



Preframes only available for **STANDARD** measures.

Optional: Fire proof only available for **STANDARD** measures. These measurements are for guidance. Consult the technical manual.

Model	Frame thickness	Preframe thickness
	E	F
75	75	
100	100	95
120	120	115
140	140	135
155	155	150



Height of block (TESA's Reference)	Height of the leaf	Height of block	Light of passage	Free slot (preframe)	Free slot (building)
	Y	H	G	I	K
1945 (1910)	1910	1945	1941		
1975 (1940)	1940	1975	1971		
2005 (1970)	1970	2005	2001		
2020 (1985)	1985	2020	2016		
2035 (2000)	2000	2035	2031		
2050 (2015)	2015	2050	2046		
2065 (2030)	2030	2065	2061	2077	2110
2080 (2045)	2045	2080	2076		
2105 (2070)	2070	2105	2101		
2125 (2090)	2090	2125	2121		
2145 (2110)	2110	2145	2141	2157	2190
2165 (2130)	2130	2165	2161		
2200 (2165)	2165	2200	2196		

Width of block (TESA's Reference)	Width of the leaf	Width of block	Light of passage	Free slot (preframe)	Free slot (building)
	X	A	B	C	D
800 (750)	743	800	718		
830 (780)	773	830	748		
850 (800)	793	850	768		
865 (815)	808	865	783		
887 (837)	830	887	805	897	964
905 (855)	848	905	823		
925 (875)	868	925	843		
950 (900)	893	950	868		
975 (925)	918	975	893	985	1052
1000 (950)	943	1000	918		
1030 (980)	973	1030	948		

S1 Design

5 closing points with design.

Regulations

* Ce marking according to UNE-EN 14351-1

- » Resistance to wind load.
 - Test pressure: Class 4
 - Frame deformation: Class C
- » Acoustic performance: 24 dB
- » Thermal transference: 3 W/m²K
- » Air permeability: Class 1
- » Water tightness: PND



* Grade 4 BURGLAR-PROOF RESISTANCE UNE-EN1627

Application

- » Valid as a security door.
- » Heavy traffic of people.
- » Possibility of going directly to wall or wooden preframe.

Operation

The door will open from the exterior by introducing the key and releasing the multipoint lock. From the interior it will open activating the handle or the cylinder.

Characteristics

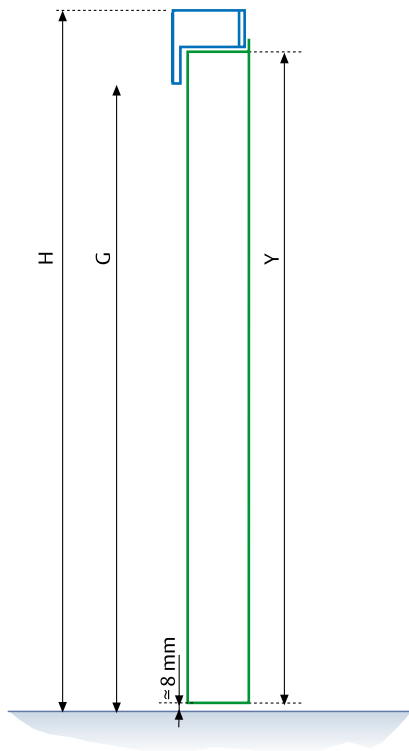
- » Metallic preframe. (Optional)
- » Steel frame lacquered.
- » Sheet composed of a welded and reinforced steel structure.
- » Can add different types of panels.
- » Lacquered edging strip.
- » Multi-point high security lock 5 closing points of 18 mm bolts.
- » High security cylinder and impossible to copy key.
- » High security defender.
- » Reinforced adjustable lock.
- » 3 adjustable security hinges.
- » 6 anti-leverage bolts.
- » Automatic windstopper

Finish	Standard	Frame	Edging strip
Lacquered	RAL 9016 (White)	YES	YES
	RAL 9016 (Grey)	YES	YES
	RAL 8019 (Brown)	YES	YES
	Gold	NO	YES

Recommended and available in stainless steel for marine environments.

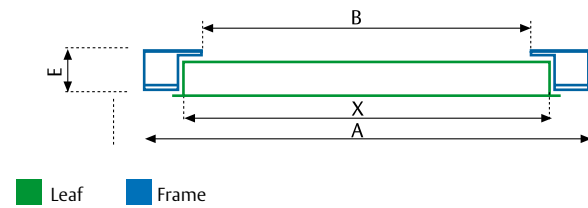


S1 Design



These measurements are for guidance. Consult the technical manual.

Model	Frame thickness
	E
56	56



Height of block (TESA's Reference)	Height of the leaf Y	Height of block H	Light of passage G
1945 (1910)	1910	1945	1941
1975 (1940)	1940	1975	1971
2005 (1970)	1970	2005	2001
2020 (1985)	1985	2020	2016
2035 (2000)	2000	2035	2031
2050 (2015)	2015	2050	2046
2065 (2030)	2030	2065	2061
2080 (2045)	2045	2080	2076
2105 (2070)	2070	2105	2101
2125 (2090)	2090	2125	2121
2145 (2110)	2110	2145	2141
2165 (2130)	2130	2165	2161
2200 (2165)	2165	2200	2196

Width of block (TESA's Reference)	Width of the leaf X	Width of block A	Light of passage B
800 (750)	743	800	718
830 (780)	773	830	748
850 (800)	793	850	768
865 (815)	808	865	783
887 (837)	830	887	805
905 (855)	848	905	823
925 (875)	868	925	843
950 (900)	893	950	868
975 (925)	918	975	893
1000 (950)	943	1000	918
1030 (980)	973	1030	948

S1 EI90



5 point locking bolts of 18 mm with 90 min. fire proof.

Regulations

* Ce marking according to UNE-EN 14351-1

- » Resistance to wind load.
 - Test pressure: Class 4
 - Frame deformation: Class C
- » Acoustic performance: 27 dB
- » Thermal transference: 2,6 W/m²K
- » Air permeability: Class 1
- » Water tightness: PND



* Grade 4 BURGLAR-PROOF RESISTANCE UNE-EN1627

* EI90 FIRE-PROOF UNE-EN 13501-2

Application

- » Valid as a security door.
- » Resists fire for up to 90 minutes.
- » Heavy traffic of people.

Operation

The door will open from the exterior by introducing the key and releasing the multipoint lock. From the interior it will open activating the handle or the cylinder.

Characteristics

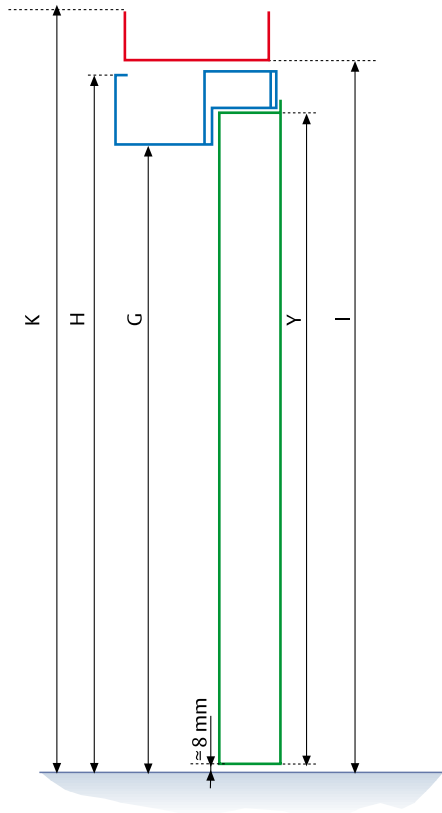
- » Metallic preframe. (Optional)
- » Steel frame covered in natural wood (laquered optional).
- » Sheet composed of a welded and reinforced steel structure.
- » Can add different types of panels.
- » Lacquered edging strip.
- » Multi-point high security lock 5 closing points of 18 mm bolts.
- » High security cylinder and impossible to copy key.
- » High security defender.
- » Reinforced adjustable lock.
- » 3 adjustable security hinges.
- » 6 anti-leverage bolts.
- » Automatic windstopper
- » Rock wool for thermal and acoustic insulation. (Optional)
- » Intumescent seal. (Optional)
- » Plaster panels for thermal and acoustic insulation.



Finish	Standard	Frame	Edging strip
Lacquered	RAL 9016 (White)	YES	YES
	RAL 9016 (Grey)	YES	YES
	RAL 8019 (Brown)	YES	YES
	Gold	NO	YES
Wood	Sapelly	YES	NO
	Oak	YES	NO
	Reed beech	YES	NO
	Cherry	YES	NO

Recommended and available in stainless steel for marine environments.

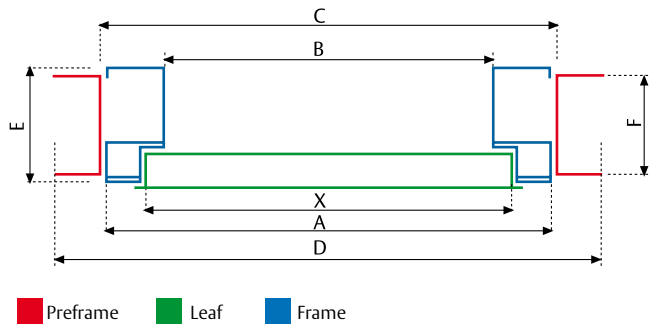
S1 EI90



Compulsory metallic preframe.

These measurements are for guidance. Consult the technical manual.

Model	Frame thickness	Preframe thickness
	E	F
100	100	95
120	120	115
140	140	135
155	155	150



Height of block (TESA's Reference)	Height of the leaf Y	Height of block H	Light of passage G	Free slot (preframe) I	Free slot (building) K
2065 (2030)	2030	2065	2061	2077	2110
2145 (2110)	2110	2145	2141	2157	2190

Width of block (TESA's Reference)	Width of the leaf X	Width of block A	Light of passage B	Free slot (preframe) C	Free slot (building) D
887 (837)	830	887	805	897	964
975 (925)	918	975	893	985	1052

S1 Hotel

3 independent automatic closing points with access control.

EI 30 (Optional)



Regulations

* Ce marking according to UNE-EN 14351-1

- » Resistance to wind load.
 - Test pressure: Class 4
 - Frame deformation: Class C
- » Acoustic performance: 24 dB
- » Thermal transference: 3 W/m²K
- » Air permeability: Class 1
- » Water tightness: PND



* Grade 4 BURGLAR-PROOF RESISTANCE UNE-EN1627

* EI30 FIRE-PROOF UNE-EN 13501-2 (Optional)

Application

- » Valid as an extreme security door.
- » Access control and HOTEL.
- » Heavy traffic of people.
- » Suitable for exteriors.

Operation

The door will open from the exterior by introducing the key and releasing the multipoint lock. From the interior it will open activating the handle or the cylinder. When the door is closed it will be blocked at 3 points automatically, without need of activating the cylinder.

Characteristics

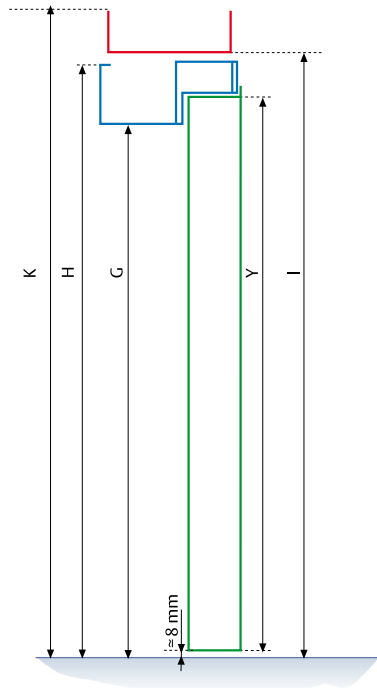
- » Metallic preframe. (Optional)
- » Steel frame covered in natural wood (lacquered optional).
- » Sheet composed of a welded and reinforced steel structure.
- » Can add different types of panels.
- » Lacquered edging strip.
- » Multi-point automatic independent lock.
- » High security cylinder and impossible to copy key.
- » High security defender.
- » Reinforced adjustable lock.
- » 3 adjustable security hinges.
- » 6 anti-leverage bolts.
- » Automatic windstopper
- » Rock wool for thermal and acoustic insulation. (Optional)
- » Intumescent seal. (Optional)
- » Ready to TESA credential.



Finish	Standard	Frame	Edging strip
Lacquered	RAL 9016 (White)	YES	YES
	RAL 9016 (Grey)	YES	YES
	RAL 8019 (Brown)	YES	YES
Wood	Gold	NO	YES
	Sapelly	YES	NO
	Oak	YES	NO
	Reed beech	YES	NO
	Cherry	YES	NO

Recommended and available in stainless steel for marine environments.

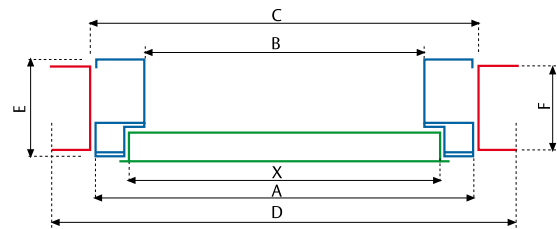
S1 Hotel



Preframes only available for **STANDARD** measures.

Optional: Fire proof only available for **STANDARD** measures. These measurements are for guidance. Consult the technical manual.

Model	Frame thickness	Preframe thickness
	E	F
75	75	
100	100	95
120	120	115
140	140	135
155	155	150



■ Preframe ■ Leaf ■ Frame

Height of block (TESA's Reference)	Height of the leaf Y	Height of block H	Light of passage G	Free slot (preframe) I	Free slot (building) K
1945 (1910)	1910	1945	1941		
1975 (1940)	1940	1975	1971		
2005 (1970)	1970	2005	2001		
2020 (1985)	1985	2020	2016		
2035 (2000)	2000	2035	2031		
2050 (2015)	2015	2050	2046		
2065 (2030)	2030	2065	2061	2077	2110
2080 (2045)	2045	2080	2076		
2105 (2070)	2070	2105	2101		
2125 (2090)	2090	2125	2121		
2145 (2110)	2110	2145	2141	2157	2190
2165 (2130)	2130	2165	2161		
2200 (2165)	2165	2200	2196		
2235 (2200)	2200	2235	2231		
2285 (2250)	2250	2285	2281		
2335 (2300)	2300	2335	2331		
2385 (2350)	2350	2385	2381		
2435 (2400)	2400	2435	2431		

Width of block (TESA's Reference)	Width of the leaf X	Width of block A	Light of passage B	Free slot (preframe) C	Free slot (building) D
800 (750)	743	800	718		
830 (780)	773	830	748		
850 (800)	793	850	768		
865 (815)	808	865	783		
887 (837)	830	887	805	897	964
905 (855)	848	905	823		
925 (875)	868	925	843		
950 (900)	893	950	868		
975 (925)	918	975	893	985	1052
1000 (950)	943	1000	918		
1030 (980)	973	1030	948		

S1 Noosfera

3 independent automatic motorized closing points.

EI 30 (Optional)



Regulations

* Ce marking according to UNE-EN 14351-1

- » Resistance to wind load.
 - Test pressure: Clase 4
 - Frame deformation: Clase C
- » Acoustic performance: 24 dB
- » Thermal transference: 3 W/m²K
- » Air permeability: Clase 1
- » Water tightness: PND



* Grade 4 BURGLAR-PROOF RESISTANCE UNE-EN1627

* EI30 FIRE-PROOF UNE-EN 13501-2 (Optional)

Application

- » Valid as a high security door.
- » Heavy traffic of people.
- » Possibility of going directly to wall or wooden pre-frame.
- » Motorized and adaptable to any opening credential.

Operation

The door will open from the exterior by introducing the key and releasing the multipoint lock. From the interior it will open activating the handle or the cylinder. When the door is closed it will be blocked at 3 points automatically, without need of activating the cylinder.

Characteristics

- » Metallic preframe. (Optional)
- » Steel frame covered in natural wood (lacquered optional).
- » Sheet composed of a welded and reinforced steel structure.
- » Can add different types of panels.
- » Lacquered edging strip.
- » Multi-point automatic independent motorized lock.
- » High security cylinder and impossible to copy key.
- » High security defender.
- » Reinforced adjustable lock.
- » 3 adjustable security hinges.
- » 6 anti-leverage bolts.
- » Automatic windstopper
- » Rock wool for thermal and acoustic insulation. (Optional)
- » Intumescent seal. (Optional)
- » TESA credential. (Optional)

Finish	Standard	Frame	Edging strip
Lacquered	RAL 9016 (White)	YES	YES
	RAL 9016 (Grey)	YES	YES
	RAL 8019 (Brown)	YES	YES
	Gold	NO	YES
Wood	Sapelly	YES	NO
	Oak	YES	NO
	Reed beech	YES	NO
	Cherry	YES	NO

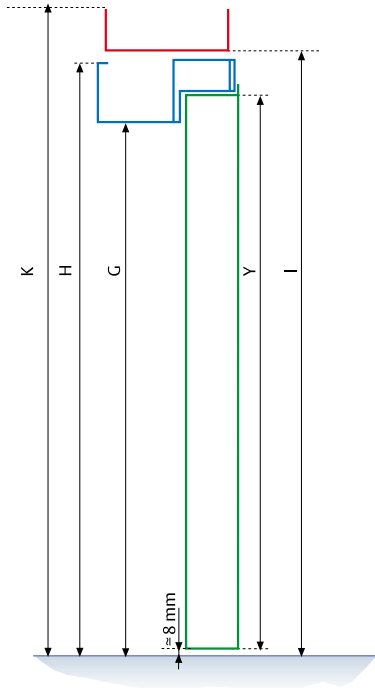
Recommended and available in stainless steel for marine environments.



High security: automatic closing without using the key

Hooks lubrication is recommended every 6 months.

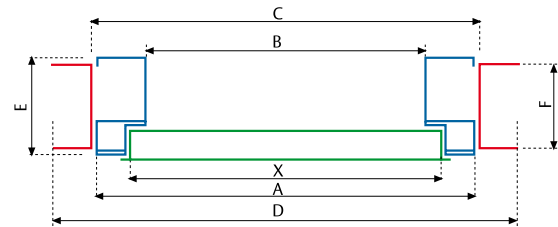
S1 Noosfera



Preframes only available for **STANDARD** measures.

Optional: Fire proof only available for **STANDARD** measures. These measurements are for guidance. Consult the technical manual.

Model	Frame thickness	Preframe thickness
	E	F
75	75	
100	100	95
120	120	115
140	140	135
155	155	150



■ Preframe ■ Leaf ■ Frame

Height of block (TESA's Reference)	Height of the leaf Y	Height of block H	Light of passage G	Free slot (preframe) I	Free slot (building) K
1945 (1910)	1910	1945	1941		
1975 (1940)	1940	1975	1971		
2005 (1970)	1970	2005	2001		
2020 (1985)	1985	2020	2016		
2035 (2000)	2000	2035	2031		
2050 (2015)	2015	2050	2046		
2065 (2030)	2030	2065	2061	2077	2110
2080 (2045)	2045	2080	2076		
2105 (2070)	2070	2105	2101		
2125 (2090)	2090	2125	2121		
2145 (2110)	2110	2145	2141	2157	2190
2165 (2130)	2130	2165	2161		
2200 (2165)	2165	2200	2196		
2235 (2200)	2200	2235	2231		
2285 (2250)	2250	2285	2281		
2335 (2300)	2300	2335	2331		
2385 (2350)	2350	2385	2381		
2435 (2400)	2400	2435	2431		

Width of block (TESA's Reference)	Width of the leaf X	Width of block A	Light of passage B	Free slot (preframe) C	Free slot (building) D
800 (750)	743	800	718		
830 (780)	773	830	748		
850 (800)	793	850	768		
865 (815)	808	865	783		
887 (837)	830	887	805	897	964
905 (855)	848	905	823		
925 (875)	868	925	843		
950 (900)	893	950	868		
975 (925)	918	975	893	985	1052
1000 (950)	943	1000	918		
1030 (980)	973	1030	948		

S1 Double

Double sheet door with 5 locking points or automatic.

Regulations

* Door without tests.

Application

- » Valid as a main entrance door.
- » Institutional market.
- » Possibility of going directly to wall or wooden pre-frame.

Operation

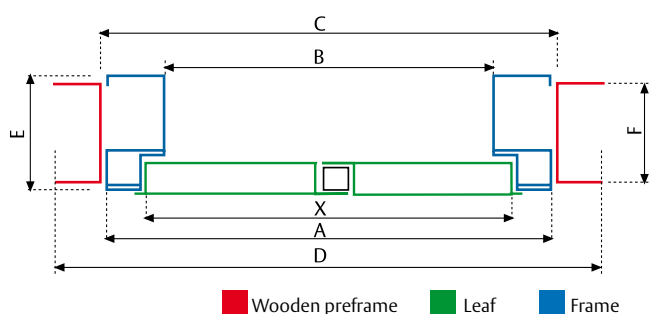
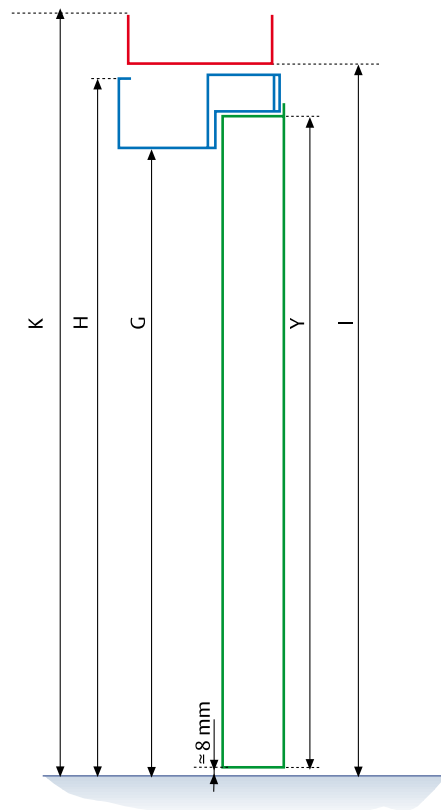
The door will open from the exterior by introducing the key and releasing the multipoint lock. From the interior it will open activating the handle or the cylinder. The inactive leaf can be unlocked actuating the button of the cylinder.

Characteristics

- » Metallic preframe. (Optional)
- » Steel frame covered in natural wood (lacquered optional).
- » Sheet composed of a welded and reinforced steel structure.
- » Can add different types of panels.
- » Lacquered edging strip.
- » Multi-point automatic independent lock or multi-point high security lock with 5 point, 18mm bolts .
- » High security cylinder and impossible to copy key.
- » High security defender.
- » Reinforced adjustable lock.
- » 3 adjustable security hinges.
- » 6 anti-leverage bolts.
- » Automatic windstopper

Finish	Standard	Frame	Edging strip
Lacquered	RAL 9016 (White)	YES	YES
	RAL 9016 (Grey)	YES	YES
	RAL 8019 (Brown)	YES	YES
Wood	Gold	NO	YES
	Sapelly	YES	NO
	Oak	YES	NO
	Reed beech	YES	NO
	Cherry	YES	NO

Recommended and available in stainless steel for marine environments.



S1 Double

Model	Frame thickness	Preframe thickness
	E	F
100	100	
120	120	
140	140	
155	155	

For inactive leaf of 300 can not manufacture prepared for glass. These measurements are for guidance. Consult the technical manual.

Height of block (TESA's Reference)	Height of the leaf	Height of block	Light of passage	Free slot (preframe)	Free slot (building)
	Y	H	G	I	K
1945 (1910)	1910	1945	1941		
1975 (1940)	1940	1975	1971		
2005 (1970)	1970	2005	2001		
2020 (1985)	1985	2020	2016		
2035 (2000)	2000	2035	2031		
2050 (2015)	2015	2050	2046		
2065 (2030)	2030	2065	2061		
2080 (2045)	2045	2080	2076		
2105 (2070)	2070	2105	2101		
2125 (2090)	2090	2125	2121		
2145 (2110)	2110	2145	2141		
2165 (2130)	2130	2165	2161		
2200 (2165)	2165	2200	2196		
2235 (2200)	2200	2235	2231		
2285 (2250)	2250	2285	2281		
2335 (2300)	2300	2335	2331		
2385 (2350)	2350	2385	2381		
2435 (2400)	2400	2435	2431		

Double leaf door Double leaf doors with active and passive leaf equal measures					
Width of block (TESA's Reference)	Width of the leaf	Width of block	Light of passage	Free slot (preframe)	Free slot (building)
	X	A	B	C	D
1567 (750)	743	1567	1488		
1627 (780)	773	1627	1548		
1667 (800)	793	1667	1588		
1697 (815)	808	1697	1618		
1741 (837)	830	1741	1662		
1777 (855)	848	1777	1698		
1817 (875)	868	1817	1738		
1867 (900)	893	1867	1788		
1917 (925)	918	1917	1838		
1977 (950)	943	1977	1888		
2027 (980)	973	2027	1948		
Double leaf door Double leaf doors with active and passive leaf unequal measures					
1204 (837+300)	830 + 293	1204	1125		
1304 (837+400)	830 + 393	1304	1225		
1404 (837+500)	830 + 493	1404	1325		
1504 (837+600)	830 + 593	1504	1425		
1292 (925+300)	918 + 293	1292	1213		
1392 (925+400)	918 + 393	1392	1313		
1492 (925+500)	918 + 493	1492	1413		
1592 (925+600)	918 + 593	1592	1513		

3 independent automatic closing points.

EI 30 (Optional)



Regulations

* Ce marking according to UNE-EN 14351-1

- » Resistance to wind load.
 - Test pressure: Class 3
 - Frame deformation: Class C
- » Acoustic performance: 30 dB
- » Thermal transference: 3,1 W/m2K
- » Air permeability: Class 1
- » Water tightness: PND



* Grade 2 BURGLAR-PROOF RESISTANCE UNE-EN1627

* EI30 FIRE-PROOF UNE-EN 13501-2 (Optional)

Application

- » Valid as a security door.
- » Heavy traffic of people.
- » Most competitive price.

Operation

The door will open from the exterior by introducing the key and releasing the multipoint lock. From the interior it will open activating the handle or the cylinder. When the door is closed it will be blocked at 3 points automatically, without need of activating the cylinder.

Characteristics

- » Compulsory metallic preframe.
- » Steel frame covered in PVC (wood) or lacquered.
- » Sheet composed of a welded and reinforced steel structure.
- » Can add different types of panels.
- » Lacquered edging strip.
- » Multi-point automatic high security.
- » High security cylinder and impossible to copy key.
- » High security defender.
- » Reinforced adjustable lock.
- » 2 adjustable security hinges.
- » 6 anti-leverage bolts.
- » Automatic windstopper
- » Rock wool for thermal and acoustic insulation. (Optional)
- » Intumescent seal. (Optional)

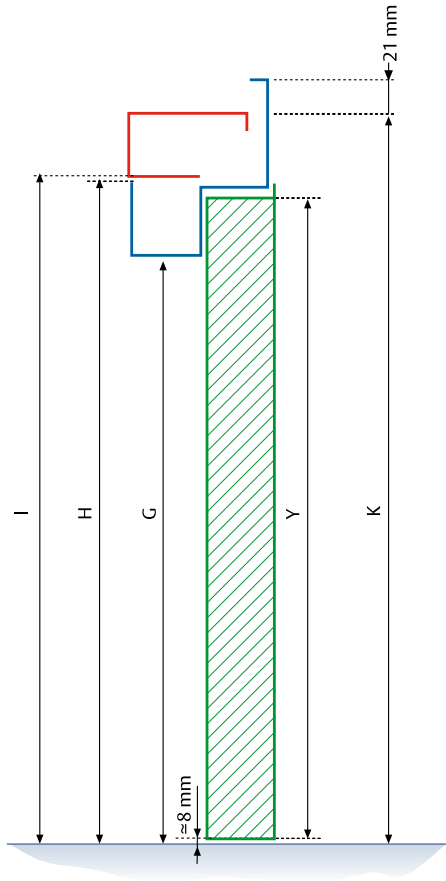


Finish	Standard	Frame	Edging strip
Lacquered	RAL 9016 (White)	YES	YES
	RAL 9016 (Grey)	YES	YES
	RAL 8019 (Brown)	YES	YES
PVC	Gold	NO	YES
	Cherry	YES	NO
	Oak	YES	NO

High security: automatic closing without using the key

Hooks lubrication is recommended every 6 months.

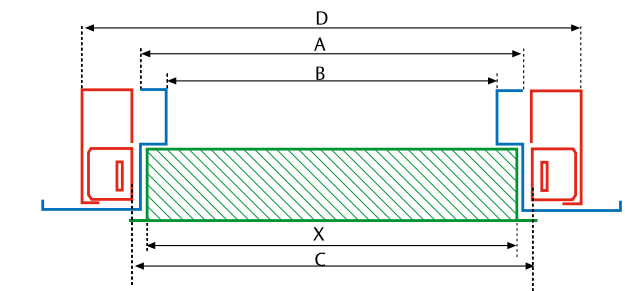
Recommended and available in stainless steel for marine environments.



Compulsory metallic preframe.

These measurements are for guidance. Consult the technical manual.

Model	Frame thickness	Preframe thickness
	E	F
75	75	70



■ Preframe ■ Leaf ■ Frame

Height of block (TESA's Reference)	Height of the leaf	Height of block	Light of passage	Free slot (preframe)	Free slot (building)
	Y	H	G	I	K
2030	2030	2045	2025	2059	2087
2110	2110	2125	2105	2139	2167
Width of block (TESA's Reference)	Width of the leaf	Width of block	Light of passage	Free slot (preframe)	Free slot (building)
	X	A	B	C	D
837	830	843	803	845	922
925	918	931	891	933	1010

3 closing points and a retainer point.

EI 30 (Optional)



Regulations

* Ce marking according to UNE-EN 14351-1

- » Resistance to wind load.
 - Test pressure: Class 3
 - Frame deformation: Class C
- » Acoustic performance: 30 dB
- » Thermal transference: 3,1 W/m²K
- » Air permeability: Class 1
- » Water tightness: PND



* Grade 2 BURGLAR-PROOF RESISTANCE UNE-EN1627

* EI30 FIRE-PROOF UNE-EN 13501-2 (Optional)

Application

- » Valid as a security door.
- » Heavy traffic of people.
- » Most competitive price.

Operation

The door will open from the exterior by introducing the key and releasing the multipoint lock. From the interior it will open activating the handle or the cylinder.

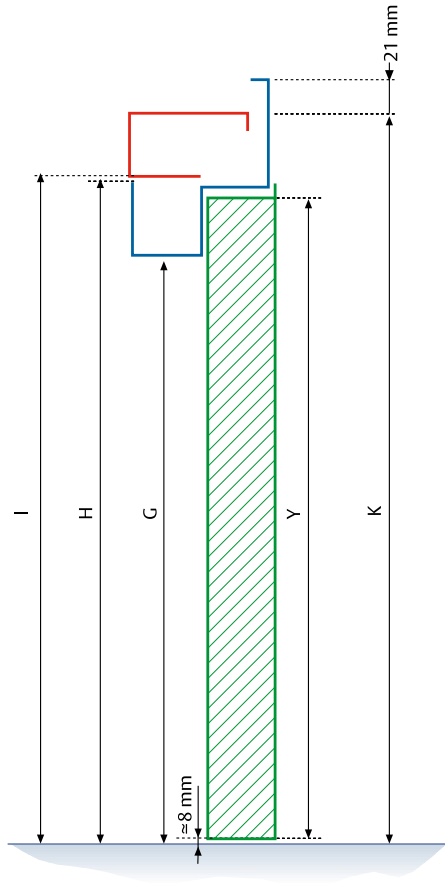
Characteristics

- » Compulsory metallic preframe.
- » Steel frame covered in PVC (wood) or lacquered.
- » Sheet composed of a welded and reinforced steel structure.
- » Can add different types of panels.
- » Lacquered edging strip.
- » Multi-point high security lock 3 closing points and a retainer.
- » High security cylinder and impossible to copy key.
- » High security defender.
- » Reinforced adjustable lock.
- » 2 adjustable security hinges.
- » 6 anti-leverage bolts.
- » Automatic windstopper
- » Retainer function.
- » Rock wool for thermal and acoustic insulation. (Optional)
- » Intumescent seal. (Optional)
- » Optional: electric lock



Finish	Standard	Frame	Edging strip
Lacquered	RAL 9016 (White)	YES	YES
	RAL 9016 (Grey)	YES	YES
	RAL 8019 (Brown)	YES	YES
PVC	Gold	NO	YES
	Cherry	YES	NO
	Oak	YES	NO

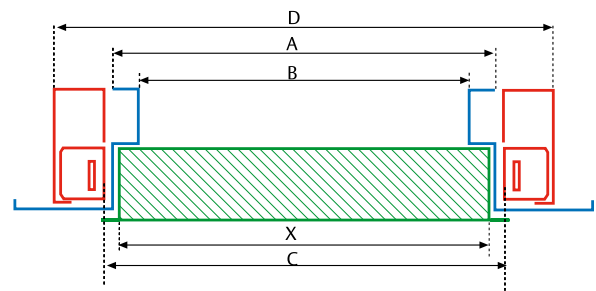
Recommended and available in stainless steel for marine environments.



Compulsory metallic preframe.

These measurements are for guidance. Consult the technical manual.

Model	Frame thickness	Preframe thickness
	E	F
75	75	70



■ Preframe
 ■ Leaf
 ■ Frame

Height of block (TESA's Reference)	Height of the leaf	Height of block	Light of passage	Free slot (preframe)	Free slot (building)
	Y	H	G	I	K
2030	2030	2045	2025	2059	2087
2110	2110	2125	2105	2139	2167
Width of block (TESA's Reference)	Width of the leaf	Width of block	Light of passage	Free slot (preframe)	Free slot (building)
	X	A	B	C	D
837	830	843	803	845	922
925	918	931	891	933	1010

3 points economic closure

Regulations

* Grade 2 BURGLAR-PROOF RESISTANCE UNE-EN1627

Application

- » Valid as security door.
- » Suitable for all types of economy.
- » Cheap flats.

Operation

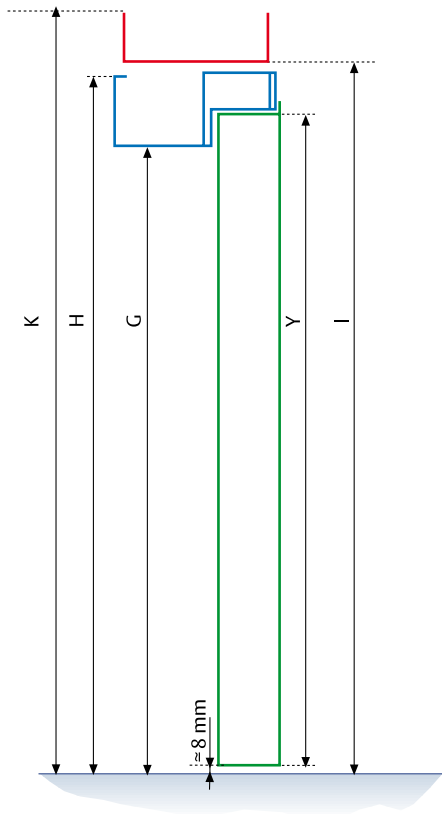
The door will open from the exterior by introducing the key and releasing the multipoint lock. From the interior it will open activating the handle or the cylinder.

Characteristics

- » Steel frame covered in PVC (wood) or lacquered.
- » Sheet composed of a welded and reinforced steel structure.
- » Can add different types of panels.
- » Stainless steel edging strip.
- » Multi-point automatic independent lock 3 closing points of bolts.
- » High security cylinder.
- » High security defender.
- » 2 adjustable security hinges.
- » 2 anti-leverage bolts.

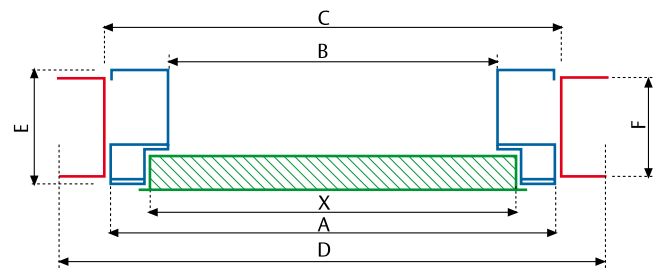
Finish	Standard	Frame	Edging strip
Lacquered	RAL 9016 (White)	YES	STAINLESS STEEL
	RAL 9016 (Grey)	YES	STAINLESS STEEL
	RAL 8019 (Brown)	YES	STAINLESS STEEL
PVC	Cherry	YES	STAINLESS STEEL
	Oak	YES	STAINLESS STEEL





These measurements are for guidance. Consult the technical manual.

Model	Frame thickness	Preframe thickness
	E	F
100	100	95
140	140	135



■ Wooden Preframe
 ■ Leaf
 ■ Frame

**STAINLESS
EDGING STRIP**

Height of block (TESA's Reference)	Height of the leaf Y	Height of block H	Light of passage G	Free slot (preframe) I	Free slot (building) K
2065 (2030)	2030	2060	2026		
2145 (2110)	2110	2140	2106		

Width of block (TESA's Reference)	Width of the leaf X	Width of block A	Light of passage B	Free slot (preframe) C	Free slot (building) D
887 (837)	830	870	803		
975 (925)	918	958	891		



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ASSA ABLOY is the global leader in door opening solutions,
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