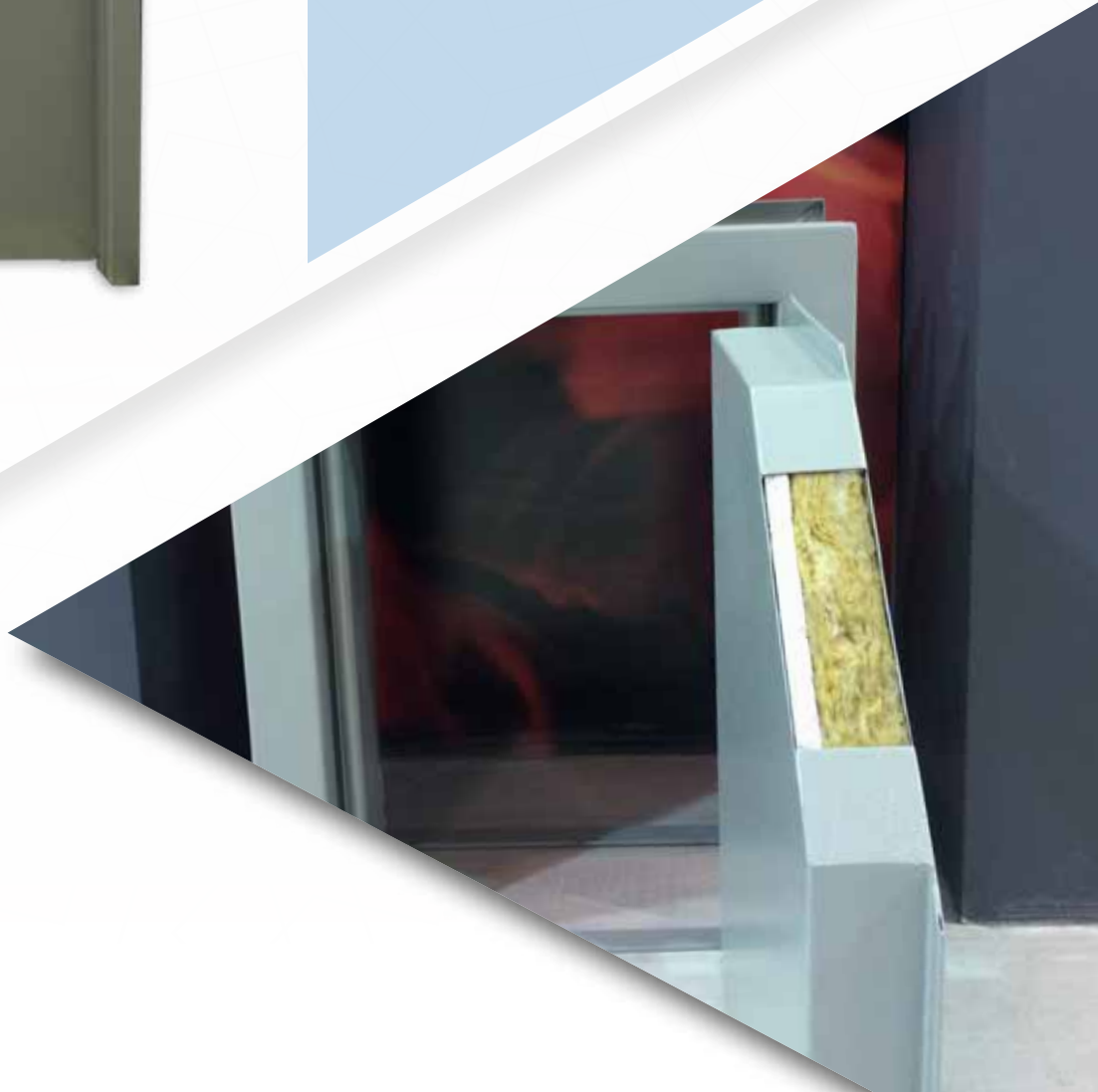


## FIRE DOORS/MFD- 45 SERIES



Fire doors are vital products to be used in residential areas, shopping malls, hospitals, offices, cinemas, theaters and concert halls, hotels, factories, and warehouses. The wide range of TGP Fire doors are sufficient to meet the needs of these different projects.



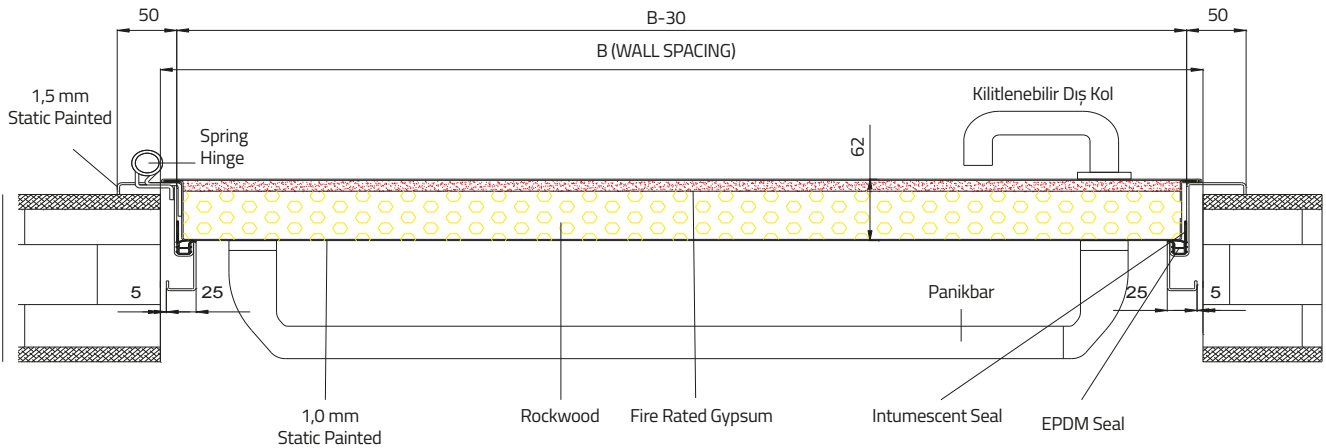
Fire doors, which allow emergency evacuation of the place in case of fire, are very important for human life and are of greater importance especially in areas where lots of people live or work and where human activity is intense. Fire doors can be designed also covering decorative appeals as well as having functional features. Fire doors have the option of being manufactured in accordance with the concept and colors of stylish designed spaces and aesthetically pleasing areas where visibility is important. There are mainly two types of systems each with different dimensions, single-leaf fire doors and double-leaf fire doors. Fire doors should made from durable metals and accessories, all of which must apply to internationally accepted standards in order not to risk any human lives.

## Single Leaf Fire Doors

### MFD-45 SERIES

Standard	EN 1634-1
Fire Rating	E Class 120 min. EI Class 45 min.
Dimensions	Width : Max. 1150 mm Height : Max. 2400 mm
Frame	1,5 mm DKP or galvanized sheet metal
Leaf	1,0 mm DKP or galvanized sheet metal
Leaf Thickness	62 mm
Insulation	150 kg/m <sup>3</sup> Rockwood, 12,5 mm Fire-Rated Gypsum
Seal	Kerafix brand intumescent seal
Hinge	2 hinges of 3 mm. thickness, one of which is self-closing spring hinge
Paint	Static painting according to desired RAL color

### MFD-45 FIRE DOOR



## FIRE DOORS/MFD- 60 SERIES



Fire doors have different classes according to their heat resistance properties and smoke permeability. It is important to be careful about the technical features in selecting the appropriate fire door, certification should be sought. TGP Fire Doors have been tested in different classes and have certificates.

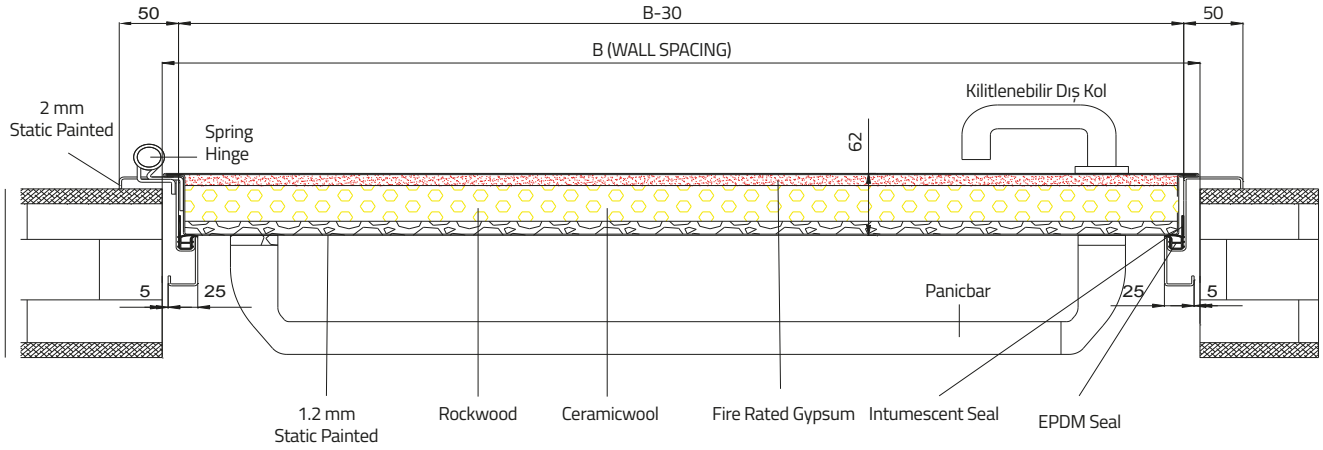


## MFD-60 SERIES

### Single Leaf Fire Doors

Standard	EN 1634-1
Fire Rating	E Class 120 min EI Class 60 min.
Dimensions	Width : Max. 1150 mm Height : Max. 2400 mm
Frame	2,0 mm DKP or galvanized sheet metal
Leaf	1,2 mm DKP or galvanized sheet metal
Leaf Thickness	62 mm
Insulation	150 kg/m <sup>3</sup> Rockwood, 12,5 mm Fire-Rated Gypsum, 128 kg/m <sup>3</sup> Ceramicwool
Seal	Kerafix brand intumescent seal
Hinge	2 hinges of 3 mm. thickness, one of which is self-closing spring hinge
Paint	Static painting according to desired RAL color

### MFD-60 FIRE DOOR



## FIRE DOORS/MFD- 90 SERIES



TGP is well known for its pre-sales technical support and after-sales installation and maintenance service of fire doors. Expert consultancy must be taken in order to ensure that the specimens are determined correctly at the project state and also for correct and problem-free usage afterwards.

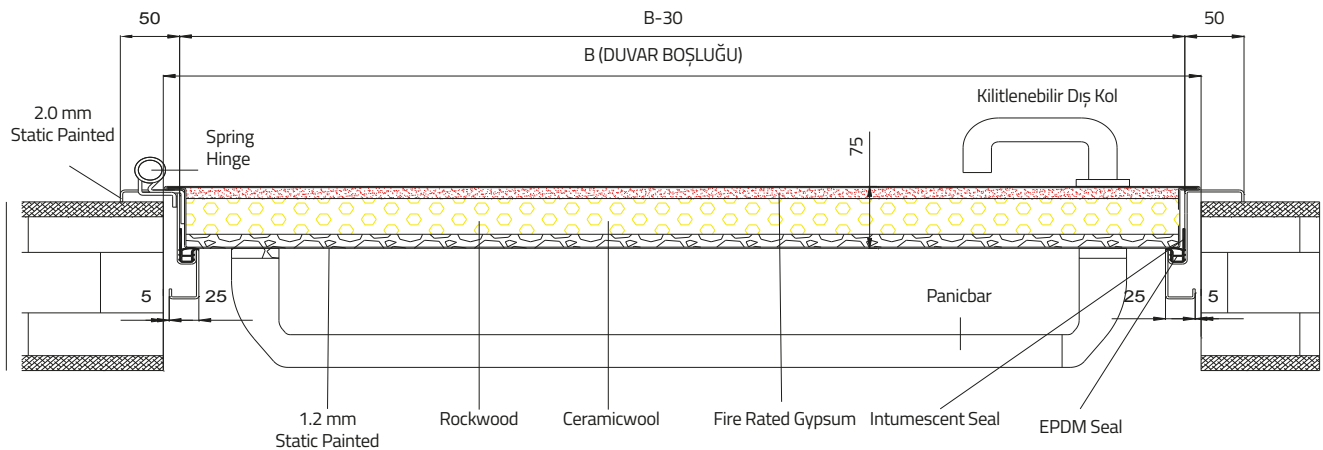




## Single Leaf Fire Doors

Standard	EN 1634-1
Fire Rating	E Class 120 min. EI Class 90 min.
Dimensions	Width : Max. 1150 mm Height : Max. 2400 mm
Frame	2,0 mm DKP or galvanized sheet metal
Leaf	1,2 mm DKP or galvanized sheet metal
Leaf Thickness	75 mm
Insulation	150 kg/m <sup>3</sup> Rockwood, 12,5 mm Fire-Rated Gypsum, 128 kg/m <sup>3</sup> Ceramicwool
Seal	Kerafix brand intumescent seal
Hinge	2 hinges of 3 mm. thickness, one of which is self-closing spring hinge
Paint	Static painting according to desired RAL color

## MFD-90 FIRE DOOR



## FIRE DOORS/MFD- D-60 SERIES



TGP Fire doors are designed taking into consideration both visual and functional criteria of the architecture, suitable colors and accessories are used to complete the decoration of the area.

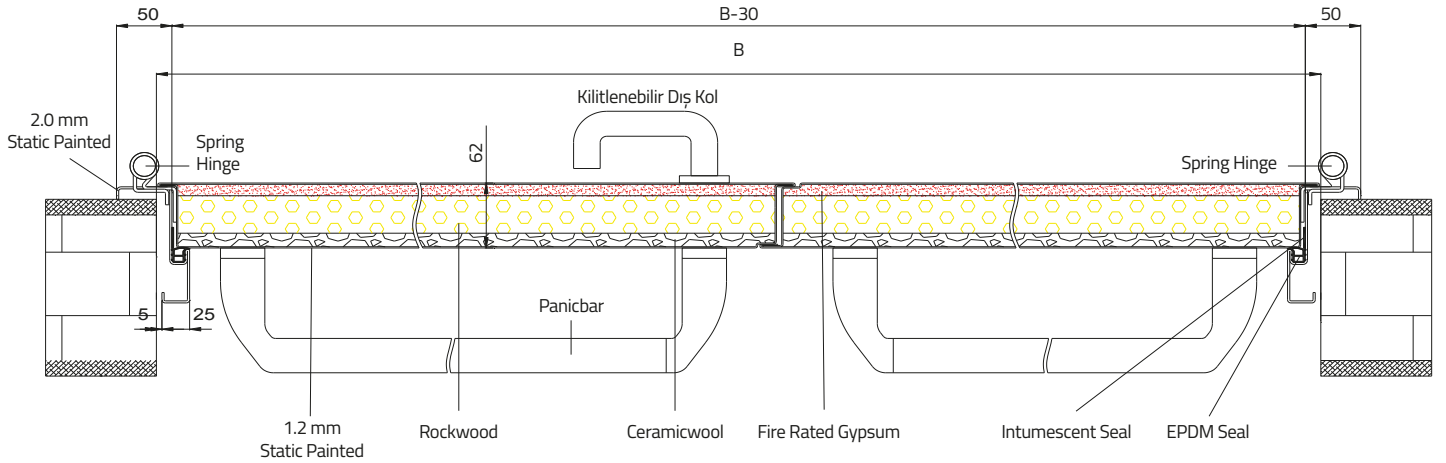


## MFD-D-60 SERIES

### Double Leaf Fire Doors

Standard	EN 1634-1
Fire Rating	E Class 60 min. EI Class 60 min.
Dimensions	Width : Max. 2070 mm Height : Max. 2400 mm
Frame	2,0 mm DKP or galvanized sheet metal
Leaf	1,2 mm DKP or galvanized sheet metal
Leaf Thickness	60 mm
Insulation	150 kg/m <sup>3</sup> Rockwood, 12,5 mm Fire-Rated Gypsum, 128 kg/m <sup>3</sup> Ceramicwool
Seal	Kerafix brand intumescent seal
Hinge	4 hinges of 3 mm. thickness, one of which is self-closing spring hinge
Paint	Static painting according to desired RAL color

### MFD-60-D FIRE DOOR





## FIRE DOORS/MFD- D-90 SERIES



TGP Fire doors have many options such as single or double leaf, glass window, panic-bar, etc. According to the needs of the project, doors are designed to be opened with ease, durable, and capable of rapid evacuation in case of fire.

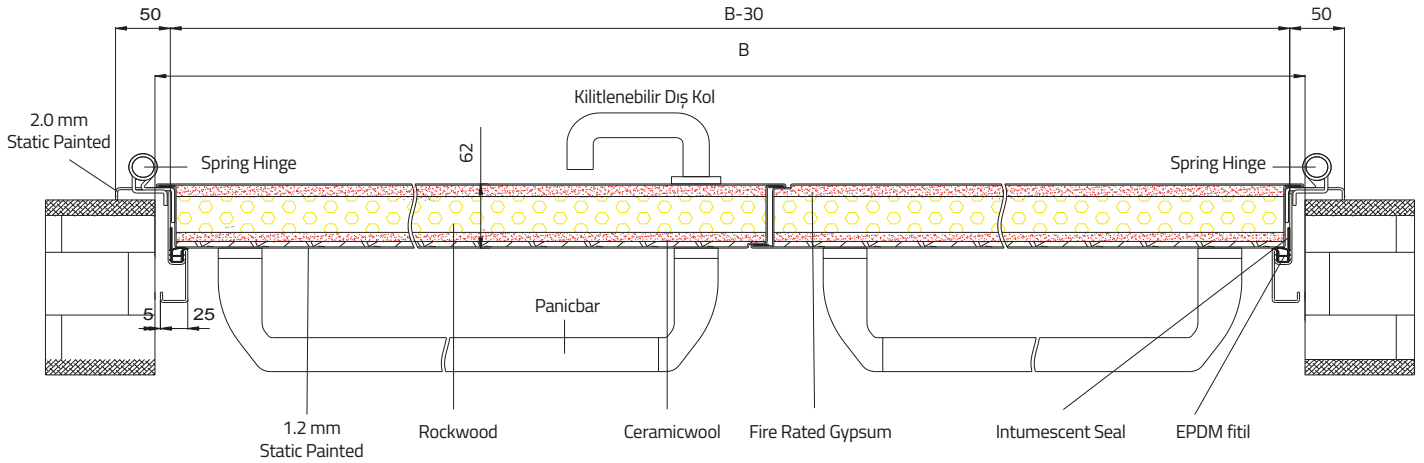


## MFD-D-90 SERIES

### Double Leaf Fire Doors

Standard	EN 1634-1
Fire Rating	E Class 120 min. EI Class 90 min.
Dimensions	Width : Max. 2415 mm Height : Max. 2530 mm
Frame	2,0 mm DKP or galvanized sheet metal
Leaf	1,0 mm DKP or galvanized sheet metal
Leaf Thickness	60 mm
Insulation	150 kg/m <sup>3</sup> Rockwood, 12,5 mm Fire-Rated Gypsum, 128 kg/m <sup>3</sup> Ceramicwool
Seal	Kerafix brand intumescent seal
Hinge	6 hinges of 3 mm. thickness, one of which is self-closing spring hinge
Paint	Static painting according to desired RAL color

### MFD-90-D FIRE DOOR



## SHEET METAL DOORS

We frequently produce in the everyday life We produce sheet metal doors with aesthetic appeal for a wide range of purposes such as schools, hospitals, business centers, sports halls, shopping centers, metro stations, airports and residential areas.



Apart from general usage areas, the sheet metal doors which are used in industrial areas are produced with high quality and fast in various specifications and technical details. We can name these doors under the headings of Flat, Glass, Grill, Stainless and Sliding Metal doors.



## FLUSH METAL DOORS



Due to their long life time and stability, sheet metal doors are preferred in commonly used areas instead of wood and aluminum doors.



## GRILLED/LOUVERED METAL DOORS



In all kinds of electricity, generator, transformer rooms, installation or boiler rooms, etc. Grilled sheet metal doors are used as they are suitable for air flow passage. It is also possible to install mosquito nets behind the grills.





## GLASS SHEET METAL DOORS



Glass metal doors are used especially in areas where human traffic is heavy as it is possible to see the back of the door. It is possible to use glass in sizes and shapes appropriate for the place and need of visibility.





## SHAFT COVERS / MSA SERIES



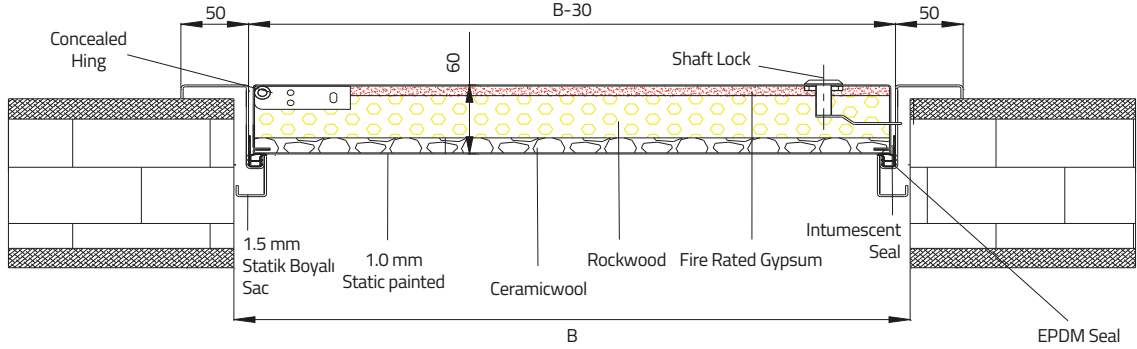
Shaft covers and/or doors are used to get into the galleries where mechanical, electrical, natural gas, ventilation and sanitary installations pass through. In case of any kind of fire in these galleries, shaft doors also prevent the passage of any flame, smoke, heat, etc. to outside areas. Therefore, the fire rating of the shaft covers used is sought in building fire legislations.



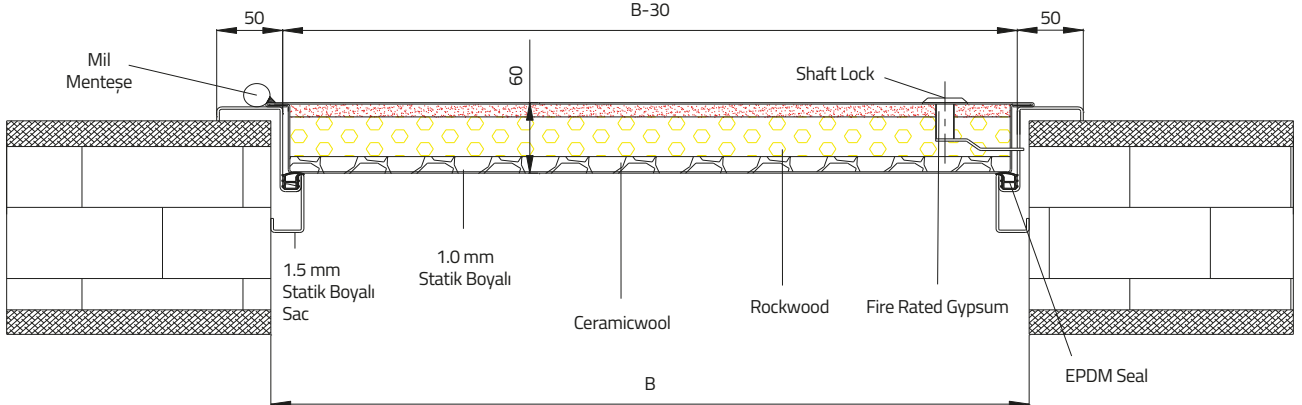
## MSA SERIES

Standard	EN 1634-1
Fire Rating	E Class 120 min. EI Class 45-60-90 min.
Frame	1,5 mm DKP or galvanized sheet metal
Leaf	1,0 mm DKP or galvanized sheet metal
Leaf Thickness	60 mm
Insulation	150 kg/m <sup>3</sup> Rockwood, 12,5 mm Fire rated Gypsum, 128 kg/m <sup>3</sup> Ceramicwool
Seal	Kerafix brand intumescent seal
Hinge	2 hinges of 3 mm. thickness, one of which is self-closing spring hinge; 2 shaft hinges of 16 mm Ø, 2 concealed hinges
Lock	Triangle key shaft lock
Paint	Static painting according to desired RAL color

### MSA ŞAFT KAPAĞI (GİZLİ MENTEŞELİ)



### MSA ŞAFT KAPAĞI

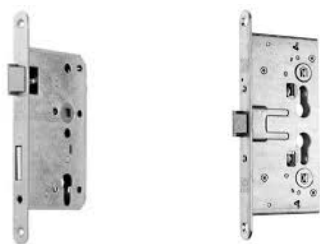


## ACCESORIES

### PANIC BARS



### LOCKS



### HANDLES



### HINGES



### CLOSERS



### OTHER ACCESORIES

