

FIRE PROTECTION



***Fire-tested Door Portals for Lift Landing Doors
with variable installation***

**Fire-tested Door Portals for Lift Landing Doors
with variable installation dimensions for complete
integrity of the clear shaft opening**



FIRE PROTECTION

It is not just operators and planners of lift systems who bear responsibility when it comes to the subject of fire protection, but the component manufacturers also have a major role to play.

The publication of DIN EN 81 section 58 covering fire resistance testing of lift landing doors marks the first time that a uniform testing procedure for the whole of Europe has been defined for determining the fire resistance of lift landing doors. The testing procedure enables the measurement of integrity (E) and, if required, radiation (W) and thermal insulation (I), with corresponding classification times.

In practice, when modernising lift systems or installing new lifts, it is not possible to employ standard lift doors without performing additional on-site building work, due to the dimensions of the existing or planned wall openings. The opening in the landing wall is often larger than the standard available landing door with an all-round door frame and sill. In particularly economic building constructions, the clear shaft opening width corresponds with the shaft width and the clear shaft opening height corresponds with the storey height. In such a case, the size of the shaft opening is often reduced by subsequently walling up the gap to obtain the right

opening for the lift doors – an activity that requires a considerable amount of extra work. It is for these reasons, that clients, planners and lift manufacturers have created a demand for variable lift door systems, which are designed to close off the lift shaft completely, without the need for any complex additional brickwork.

Cost-effective solutions with fire-rated MEILLER door portals with variable frame dimensions.

MEILLER has responded to this demand with the development of new, fire-tested entrance frame constructions for centre-opening, two and four-panel landing doors and side-opening, two and three-panel landing doors, and these have now been added to the company's product range. This fire-tested portal system enables clear door-opening widths of 700 – 1600 mm with two-panel side-opening doors, of 700 – 1400 mm with two panel centre-opening doors and of 700 – 1800 mm with three and four-panel doors. For all these doors clear door heights of 2000 – 2500 mm are possible.

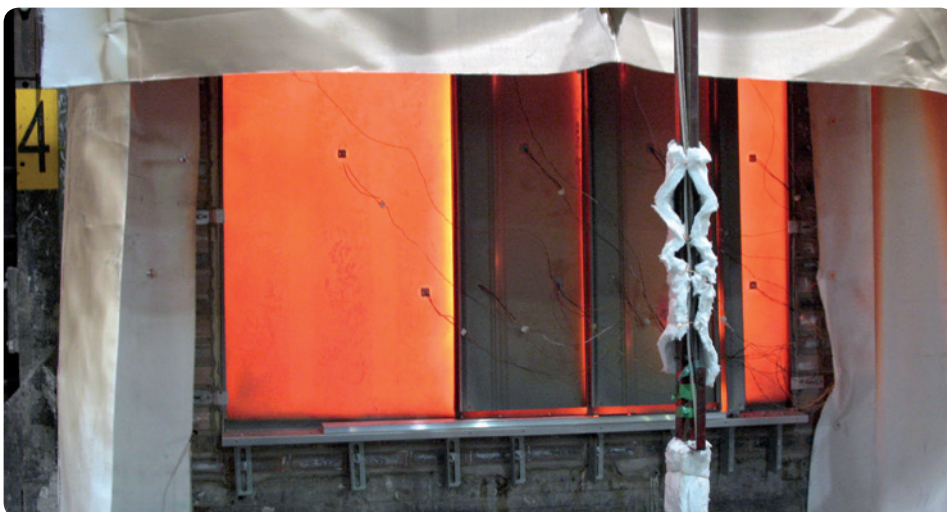
The maximum frame widths on the left and right for centre-opening doors are 1290 mm, the maximum width of the locking frame as well as for the opening frame for side-opening doors is also 1290 mm. The maximum permissible transom height is 660 mm. In accordance with the clear door opening, it is hence possible to seal off a clear shaft opening of 3000 mm width and 3000 mm height.



The frame and door panels are made of zinc-magnesium coated sheet metal, with or without stainless steel cladding, and are classified as E 120 according to EN 81-58. If metal doors are required with a vision panel, as per the German Model High-Rise Directive (MHR), the reduced classification of E 90 applies.

Product Features:

- fire-tested to EN 81-58
- door portals for closing off the lift shaft completely, without the need for any complex additional brickwork
- easy retrofitting
- door executions: door panels from sheet metal, framed glass door panels and vision panels



Door portal with side-opening, two-panel landing door, during EN 81–58 fire testing



Door entrance with front-attached lift controller

Fire-tested Door Portals

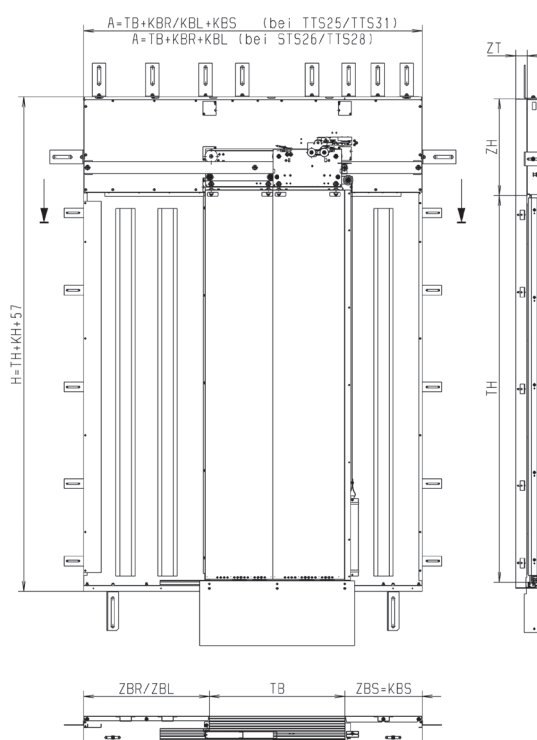
Door panels from zinc-magnesium sheet metal

E 120, STS 26, TTS 25/28/31

Example S-2-R/L

Dimensions		min. (mm)		max. (mm)	
TB	Clear door width	700		1600	
TH	Clear door height	1800		2500	
ZBR	Frame dimensions right	80		1290	
ZBL	Frame dimensions left	80		1290	
ZBS	Frame dimens. closing frame	80		350	
ZH	Frame height	50		660	
ZT	Frame depth	30		90	
KBR	Transom width right	0,5 TB + 35		1290	
KBL	Transom width left	0,5 TB + 35		1290	
KBS	Transom width closing side	80		1290	
KH	Transom height	IP20	297	660	
		IP67	347		
A	for E 90 and E 120			3000	
H				3000	
A	for EW 30			2300	
H				2600	

Displayed TTS 25



Vision panels and framed glass panels MGT 99.20 upon request.



Meiller Aufzugtüren GmbH

Ambossstraße 4
80997 München

Phone: +49 89 1487 – 0

Fax: +49 89 1487 – 1566

E-Mail: info@meiller-aufzugtueren.de

www.meiller-aufzugtueren.de



MADE IN GERMANY