



Swing Doors



Swing Doors  
DT3X Series

[www.meiller-aufzugtueren.de](http://www.meiller-aufzugtueren.de)





## DT37/1

Single-panel, side-opening, self-locking swing door with concealed hinges

Traditional MEILLER Quality

### DT37/1 – Single-panel swing door

The DT37/1 swing door has a metal door leaf and can be constructed in a wide range of entrance dimensions, transom heights and frame widths, making it ideal for installation in narrow lift shafts or existing door recesses, without necessitating major structural modifications

### DT37/1 and DT37/1 Bellevue structural features:

Variable frame dimensions,  
modifiable car door interface,  
removable door panels

**Concealed hinges:** Adjustable height through  $\pm 3$  mm, entirely screw-mounted, removable from approx.  $50^\circ$  (even in niche installations), three-hinge mounting possible. Clear entrance width (equals clear frame width CDW) attained from  $90^\circ$  opening angle; hinges reach form-locked structural end position inside frame at  $105^\circ$  max. door leaf opening angle. Axial ball bearings give 51mm-thick embedded door leaf

(sheet metal, 1.5 mm thick) a smooth rotational movement, 2 mm frame and sill, with 55 mm frame depth and 4 mm thick sill bracket.

These doors are fitted with type-approved locking bolts.



### DT37/1 Range of dimensions

CDW: 600 – 1300 mm  
CDH: 2000 – 2300 mm  
Transom height: 70 – 400 mm  
Hinge frame width: 75  
(120 when DB > 1100) – 400 mm  
Width of closing edge frame:  
100 – 400 mm

**The MEILLER DT3X swing door series –  
Thorough, modular design with many benefits:  
Variable dimensions; fast replacement of damaged parts  
ensures high level of availability**

Not only can MEILLER look back on decades of success and experience in designing and manufacturing quality sliding (telescopic) lift doors for use in virtually all applications, it also produces and markets for a long period of time swing landing doors, which have proven extremely durable in characteristically rough industrial environments.

Changes in market demands combined with amendments to applicable standards and the implementation of optimised technical production processes have led to the creation of the new DT3X range of swing doors.

The DT3X door range currently comprises seven different types of landing door, all of which conform with the requirements of EN 81 - 1/2. Moreover, all swing doors conform in principal with DIN 18090, since the production complies in general with the restrictions and fundamental requirements of these regulations. However, whether a particular swing door model actually complies with DIN 18090 depends on its format (permitted dimensions and such options as vision panel types etc.).

Naturally, all door models can be ordered to comply with EN 81 – 58.

## DT37/1 Bellevue

Glass swing door in elegant and sturdy design



### DT37/1 Bellevue Range of dimensions

DW: 600 – 1000 mm  
DH: 2000 – 2100 mm  
Transom height: 70 – 400 mm  
Hinge frame width:  
75 – 400 mm  
Width of closing edge frame:  
100 – 400 mm

The DT37/1 Bellevue door with completely enclosed glass door leaf was designed to satisfy the aesthetic requirements of residential installations. This designer door is also available in a wide range of dimensions. The door frame is the same as for the DT37/1, which means that both types of door panel are exchangeable within an existing portal frame.







## DT37/2

Two-panel, centre-opening swing door

With concealed hinges and robust design

For logistics and commercial environments



### DT37/2

#### Range of dimensions

CDW: 1000 – 2500 mm

Final closing panel:

600 – 1250 mm

First closing panel:

400 – 1250 mm

CDH: 2000 – 2400 mm

Transom height: 100 – 400 mm

Hinge frame width: 75

(120 when DB R/L > 1100) –

400 mm

#### DT37/2 – Two-panel swing door

This lift door with variable frame is designed for use whenever larger loading widths and heights are required. With the DT37/2, it is possible to select whether the closing edge of the door should be constructed with or without an overlap and the resultant closing sequence. Without the overlap, it is possible to install a two-panel, self-closing door without the need for costly additional components (such as a closing sequence controller or two electric door drives configured as master and slave). The two door panels can be constructed either symmetrically or asymmetrically.

#### DT37/2 structural features:

Variable door frame,  
modifiable car door interface,  
removable door panels

These doors are fitted with type-approved locking bolts.



# DT39/2

Two-panel, centre-opening swing door

With external hinges

Heavy-duty industrial design

## DT39/2 – Two-panel swing door for heavy-duty industrial use

Lift doors in the DT39/2 and DT38/X series (X = number of door panels) all have the same basic construction and metal thicknesses. They are fitted with external, adjustable-height hinges. The door frame and door leaf contours and the position of the point of rotation are selected in such a way that the door entry width is reached when the door is opened at an angle of 90°. This is of particular significance for doors installed in niches. The doors can be opened up to 180° in the absence of structural restrictions before the hinges begin to touch the door frame. However, loading is possible from an angle of 125° through the entire inner frame width. Thanks to the modular construction of these swing doors, damaged sections of the portal frame or door leaves can be replaced in many installation conditions. It is also possible to select door panels with or without overlaps as well as a symmetrical or asymmetrical arrangement of door panels.

## DT39/2 structural features:

Variable door frame,  
modifiable car door interface,  
removable door panels

External hinges: Adjustable height through  $\pm 3$  mm, entirely screw-mounted, removable from approx. 50° (even in niche installations), three-hinge mounting possible. Clear entrance width (CDW) attained from 90° opening angle; clear frame distance = CDW + 70mm, max. opening angle 180°, sliding bushes and plates give 61 mm – thick door leaf (sheet thickness 2 mm) a smooth rotational movement, 4 mm frame with 50 mm depth, 6 mm thick sill bracket.

These doors are fitted with type-approved locking bolts.

## DT39/2

### Range of dimensions

CDW: 1200 – 3000 mm

Door panel with right/left:  
600 – 1500 mm

CDH: 2000 – 4000 mm

Transom height: 100 – 400 mm

Hinge frame width: 60

(100 when TBR/L > 1400  
or TH > 3500) – 400 mm



## DT38/2, 3, 4

Two, three or four panel, centre-opening  
lock flap swing door

With external hinges and heavy-duty industrial  
construction

### DT38/2 –

#### Range of dimensions

CDW: 1200 – 3700 mm  
Door panel width right/left:  
600 – 1850 mm  
CDH: 2000 – 4000mm  
Transom height: 150 mm  
Hinge frame width: 75  
(100 when DW R/L > 1400  
or DH > 3500) – 400 mm

### DT38/3 –

#### Range of dimensions

CDW: 1400 – 3700 mm  
Door panel width right/left:  
600 – 1850 mm  
Outer door panel width  
right/left: 200 – 1000 mm  
CDH: 2000 – 4000 mm  
Transom height: 150 mm  
Hinge frame width: 75  
(100 when DW R/L > 1400  
or DH > 3500) – 400 mm

### DT38/4 –

#### Range of dimensions

CDW: 1600 – 4000 mm  
Door panel width right/left:  
600 – 1850 mm  
Outer door panel width  
right/left: 200 – 1000 mm  
CDH: 2000 – 4000 mm  
Transom height: 150 mm  
Hinge frame width: 75  
(100 when DW R/L > 1400  
or DH > 3500) – 400 mm

### DT38/X – swing doors with innovative MKV door lock, for use with fork-lift trucks

All panels in the DT38/X swing landing doors are fitted with the pressure-resistant, type approved and successfully tested **MEILLER MKV** lock flap attached to the transom. Again the dimensions of the door frame can be varied along with the transom heights and frame widths.

The two-panel, centrally opening DT38/2 lock flap swing door is a heavy duty industrial design; also available as three-panel DT38/3, to enable a lower door panel swivel area in front of the door, while retaining the same permissible dimensions. To obtain an even greater loading width, a four-panel model, the DT38/4, is also available.

### DT38/2, 3, 4 structural features:

Variable door frame,  
modifiable car door interface,  
removable door panels

External hinges: Adjustable height through  $\pm 3$  mm, entirely screw-mounted, removable from approx.  $50^\circ$  (even in niche installations), three-hinge mounting possible. Clear entrance width (DW) attained from  $90^\circ$  opening angle; clear frame distance =  $DW + 70$  mm, max. opening angle  $180^\circ$ , sliding bushes and plates give 61 mm – thick door leaf (sheet thickness 2 mm) a smooth rotational movement, 4 mm door frame with 50 mm, 6 mm thick sill bracket.

This door model is fitted with the MEILLER - designed **MKV** lock flap.





### Wide range of custom constructions

The modular DT3X swing door series enables a wide range of constructions to customer specifications:

Custom design of a large-dimension, heavy-duty industrial door with lock flap and glass section.

*The ingenious solution: GENIUS<sup>®</sup>, the retrofittable MEILLER car door in roller shutter design, for a safe closure between the car and the shaft wall.*







# MEILLER DT3X Series Swing Doors

## Available Options



### Doors to DIN EN 81-58

## Swing doors

#### Flexible modification to customer specification

The new DT3X swing door generation allows a wide range of modifications to meet the customer's required dimensions.

- **Dimensions:** can be ordered with variable CDW, CDH, FWR, FWL, variable transom height
- **Protection class:** IP20, IP51, IP54, IP67, EX (possibilities depend on door type)
- **Activation:** with roller lever (three pressure directions), electro-magnetic
- **Locks:** in closing frame (only with single panel doors), in transom with or without auxiliary contactor, as per EN 81-21
- **Various roller lever arrangements** possible for complete frame and sill
- **Locking mechanisms:** door damper, ATS tube lock, electric door drive
- **Vision panel constructions:** no vision panel, 100 x 300, 100 x 600 (W x H), porthole d = 300 mm, Bellevue
- **Window frame materials:** steel, stainless steel, aluminium
- **Glass types:** thick glass, wired glass, laminated safety glass
- **Door locks** optional
- **Range of handles** available for car or landing side of door
- **Third hinge**
- **Door panel strengthening**
- **Door material:** steel, stainless steel 304, 316 grade
- **Surface:** primed, powder-coated, polished, glassbead-blasted
- **Control panel cut-outs**
- **Rock wool stuffing**

- **Frame and door leaf cladding** (DT37/1 and DT37/2)
- Choice of **sill forms** available
- Choice of **mounting brackets**
- With or without **overlap**
- Symmetrical or asymmetrical **arrangement of door panels**
- **Custom solutions** and deviations in dimensions upon request

For more information, please visit the **MEILLER homepage**.

**MEILLER gives you:  
Swing doors compliant with DIN 18090  
or DIN EN 81-58 E 120/EW 30/60**

MEILLER offers lift manufacturers the entire range of DT3X swing doors in fire protection class E120 / EW 30/60.

DIN EN 81-58-compliant swing doors reliably and fully fulfil the DIN 18090 standard valid until now.



*Panels of swing door following 120-minute fire test*

MEILLER lift doors  
Quality Proven Millions of Times Over and Made in Germany

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