NEW
External doors with thermal break

Multi-functional Doors for Construction Projects

Robust internal doors
Secure apartment entrance doors (T30 / WK 2)
Fully glazed office doors
External doors with thermal break
Brand quality from Hörmann
Hörmann internal and external doors
Internal door ZK
Internal door OIT
Fire-rated security door WAT NEW
Internal door AZ 40
Internal door ES 50
External door TC 80
Multi-purpose external door MZ Thermo NEW
External security door KSI Thermo NEW
Colours and decor surfaces
Optional equipment
Dimensional references/standard sizes
Hörmann product range

*up to 30 % better thermal insulation in comparison with a common multi-purpose door/security door.

Shown on left: internal doors OIT with beech surface finish and stainless steel frame

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In-house product development

Growing and constantly changing functional and safety requirements necessitate continuous new construction and equipment developments, especially when it comes to moveable construction components such as doors. In this area, our qualified development teams time and again prove their great specialised expertise.

Highly sophisticated production methods

Hörmann relies on the latest production technology at our specialised factories. Computer-controlled operations ensure dimensionally accurate elements with perfectly fitted fittings and functional parts.
As Europe’s leading manufacturer of doors, frames and operators, we are committed to high product and service quality. This is how we set standards on an international scale.

Highly-specialised factories develop and produce construction components that are marked by excellent quality, functional safety and a long service life.

Our presence in the global economy’s key regions makes us a strong, future-oriented partner for industrial and public construction projects.

**Sustainable product tests**

In test centres belonging to Hörmann, all construction project doors are sustainably tested with regard to climate properties, air permeability, driving rain leaktightness and long-term functionality. These comprehensive tests give you safety as they guarantee the trouble-free function of the doors over many years, provided that they are maintained every year.

**Expert building support**

Experienced specialists within our customer-oriented sales organisation accompany you from the planning stage, through technical clarification up to the final building inspection.

Expert fitting is guaranteed by experienced Hörmann fitters and the specialised trained staff of Hörmann’s partners.
Hörmann internal and external doors
Variety is our strength
Robust internal doors
The ZK internal doors have been used for decades in offices and administrative buildings on account of their numerous benefits. They are robust, retain their shape and are highly durable. OIT internal doors have been developed for tough everyday use in industrial and commercial buildings, workshops, administrative buildings, schools and barracks. Depending on the field of application and requirements, we offer different infills.

Safe apartment entrance doors
With the Hörmann fire protection and security door WAT, you’re making the right choice for, e.g. entrance doors in apartment buildings. As standard, the heavy-duty steel door is equipped with security as well as fire protection features and therefore give the residents of the building a safe feeling. It also ensures that the door fulfils every individual requirement thanks to the colour and equipment versions.

Fully glazed office doors
The elegant and filigree as well as stable aluminium internal doors AZ 40 and ES 50 are recommended for superior high-quality interior construction, such as in offices and administrative buildings. The door style can be harmoniously matched to the interior design scheme. The large areas of glazing create a bright, friendly atmosphere. In terms of both equipment and quality, these aluminium doors meet the high standards required of high-grade internal doors in a modern-day environment.

External doors with thermal break
The reduction of energy costs today is even more important than ever. Considering this, the MZ Thermo external door is our recommendation. This multi-purpose door with its thermally separated elements, door leaf, frame and all-round floor seal, allow an improvement in thermal insulation by up to 30 % compared with conventional multi-purpose doors. As an especially secure external door, you can obtain this product in a WK2 version as KSI Thermo. For light and representative entrance areas, we recommend the fully glazed frame door TC 80.
**Internal door ZK**

Proven as a competitively priced solution

Single and double-leaf

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**As a door leaf or door set**

ZK doors are available as a ready-to-hang door leaf or as a complete ready-to-fit door set.

**Door leaf**

The door leaf is delivered with fitted lock and bright-galvanized hinge top parts V0020 firmly screwed into the reinforced sections, but without lever handle set.

**Door set**

The door leaf is equipped with a lever handle set and a special corner frame made from 1.5 mm thick galvanized sheet steel with powder-coated primer in Traffic white (similar to RAL 9016) as standard.

**Frame**

The frame is fitted with a UPVC sealing profile on 3 sides, with welded frame parts and grouting lugs.

ZK doors can also be fitted into existing standard frames and of course into any Hörmann steel door frame (prepared for hinges of the V8000 series).

**Easy to shorten up to 20 mm**

The door leaf can be shortened at the bottom using a suitable saw, e.g. for modernisations.

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**The hardwearing door leaf: dimensionally stable with no warping**

The close-meshed honeycomb insert is glued to the two galvanized steel sheets over the entire surface, giving the door greater stability.

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Illustration:

ZK door with powder-coated primer in Window grey (similar to RAL 7040) with white rose escutcheon handle set (special equipment)
Frame seal
Due to the design of the door leaf and frame seal, Hörmann ZK doors also help to keep out noise and the cold.

Top hinge parts
are firmly screwed into the reinforced sections of the door leaves and can be used on the left/right side.

Mortice lever/knob lock
The lock is prepared for a profile cylinder (backset 55 mm) and fulfils all DIN 18251 requirements. A plastic latch and steel bolt, deadlock insert as well as a key are part of the equipment. On request, the lock is also supplied with a profile cylinder.

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ZK single-leaf
Size range Width Height
Nominal size (ordering size) 500 – 1250 1500 – 2250
Clear passage 436 – 1186 1468 – 2218

ZK double-leaf
Size range Width Height
Nominal size (ordering size) 1500 – 2500 1500 – 2250
Clear passage 1436 – 2436 1468 – 2218

All dimensions in mm

Internal door
Doorleaf 40 mm
Sheet thickness 0.6 mm
Rebate type Thick rebate

Performance characteristics
Duty category S
Climatic class III
Thermal insulation $U_D$ 2.1 W/m²K*
Acoustic insulation 25 dB*

*with single-leaf door in conjunction with corner frame and without glazing
**Internal door OIT**
The heavy-duty and reinforced internal doors that retain their shape
Single and double-leaf

**As a door leaf or door set**
OIT doors are available as a ready-to-hang door leaf or as a complete ready-to-fit door set.

**Door leaf**
The door leaf is delivered with fitted lock and bright-galvanized hinge top parts V0026 WF firmly screwed into the reinforced sections, but without lever handle set.

**Door set**
The door leaf is equipped with a lever handle set and a special corner frame made from 1.5 mm thick galvanized sheet steel with powder-coated primer in Traffic white (similar to RAL 9016) as standard.

**Frame**
The frame is fitted with an EPDM seal on 3 sides, with welded frame parts and grouting lugs. The door will be delivered with corner and profile frame as well as with block frame or you can also insert it into an existing standard frame or in every Hörmann steel frame.

**Steel and timber well combined: especially heavy-duty door leaves in three infill versions**

1. **Tubular chipboard insert**
   - Tubular chipboard insert
   - Bonding agent
   - Zinc coating
   - Steel
   - Powder-coating / foil-coating

2. **Composite timber insert**
   - Composite timber insert
   - Bonding agent
   - Zinc coating
   - Steel
   - Powder-coating / foil-coating

3. **Mineral wool insert**
   - Mineral wool insert
   - Bonding agent
   - Zinc coating
   - Steel
   - Powder-coating / foil-coating

Illustration: OIT door with powder-coated primer in Traffic white (similar to RAL 9016) with aluminium handle set (special equipment)
Optional extras

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Main function
Internal door

Additional functions
Acoustic-rated
DIN EN 20140
Without glazing, with retractable bottom seal

Break-in-resistant, resistance class 2
DIN EN V 1627
Up to 1250 × 2250 mm
- Multiple-point locking with 2 additional steel bolts
- Profile cylinder, drill-proof acc. to DIN 18254, PZ-3-BS with 3 keys and security certificate for spare keys
- Aluminium lever/knob handle set acc. to DIN 18257 with short escutcheon (class ES 1) and pull-off protection
- 1 steel security bolt

Mortice lever/knob lock
The lock is prepared for a profile cylinder (backset 55 mm) and fulfils all DIN 18251 requirements. A plastic latch and steel bolt, deadlock insert as well as a key are part of the equipment. On request, the lock is also supplied with a profile cylinder.

Internal door

OIT

Door leaf 40 mm
Sheet thickness 0.8 mm
Rebate type Thick rebate

Additional functions / performance characteristics
Duty category S
Climatic class III
Thermal insulation $U_D$
- with tubular chipboard 2.5 W/m²K*
- with composite timber 2.5 W/m²K*
- with mineral wool insert 1.7 W/m²K*

Acoustic insulation
(in conjunction with retractable bottom seal)
- with tubular chipboard 32 dB*
- with composite timber 38 dB*
- with mineral wool insert 32 dB*

* with single-leaf door in conjunction with corner frame and without glazing

Acoustic rating up to 38 dB*
Fire-rated security door WAT
The safe apartment entrance door
Single-leaf

Door set
We supply WAT doors as a complete ready-to-fit door set. The door leaf with sandwich plate on the inside comprises 0.6 mm thick galvanized sheet steel with powder-coated primer and is delivered in Traffic white (similar to RAL 9016) as standard.

Frame
The frame is equipped with a profile with fire-proof seal on all 3 sides, hinge pockets for 3-way adjustable hinges and grouting lugs.

The fire-rated security door WAT is offered with corner and profile frame for fitting in brickwork as well as a block frame for fitting in the opening.

Illustration:
WAT door with powder-coated primer in Traffic white (similar to RAL 9016) with aluminium lever handle set

Sandwich plate
Bonding agent
Zinc coating
Steel
Powder-coating / foil-coating

1. The heavy-duty door leaf:
   for reliable security and fire protection
Three-way adjustable hinges
The door is equipped with three-way adjustable hinges (1 spring hinge, 1 construction hinge).

Three solid steel bolts
on the hinge side make it practically impossible to force the door open.

Multiple-point locking
The lock is equipped with an aluminium security lever/knob handle set (according to DIN 18257, Class ES1). On request, you can also order it made from brushed stainless steel and with drill-resistant profile cylinder (DIN 182522 PZ-2-BS), including 3 steel latches and 2 hook bolts.

Main functions
- Fire-retarding

Break-in-resistant, resistance class 2

Internal door

Thick rebate
Door leaf thickness 40 mm

Performance characteristics
- Duty category: S
- Climatic class: III
- Thermal insulation $U_D$: 2.3 W/m²K
- Acoustic insulation: 30 dB
- Resistance to repeated opening and closing: Class C5

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Size range
<table>
<thead>
<tr>
<th>Width</th>
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<tbody>
<tr>
<td>625 – 1164</td>
<td>1964 – 2132</td>
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<tr>
<td>561 – 1100</td>
<td>1932 – 2100</td>
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All dimensions in mm
Internal door AZ 40
The fully glazed office door made from aluminium for all modern architectures

Single-leaf

As a door leaf or door set
AZ 40 doors are available as a ready-to-hang door leaf or as a complete ready-to-fit door set.

Door leaf
The door leaf is delivered with fitted lock and bright-galvanized hinge top parts.

Door set
For new buildings we recommend using the complete door set together with a frame of your choice selected from Hörmann’s wide range of door frames acc. to DIN 18111.

Frame
The frame is made from a 1.5 mm thick galvanized sheet metal and is primed in Light grey (similar to RAL 7035). The sealing profile on 3 sides and fixing material are included in the scope of delivery. The frame can be delivered as a corner frame for brickwork, concrete and gas concrete, or as a profile frame for brickwork, concrete, gas concrete, gypsum plasterboard and partition walls.

The elegant, sturdy door leaf
The slimline tubular frame construction made from aluminium extrusions have an elegant appearance. Solid corner joints in the frame give the AZ doors a high degree of stability. The precision mitres and the softline glazing beads make for attractive aesthetics.

The quality lock
Mortice lever/knob lock acc. to DIN 18251, class 3, prepared for profile cylinder (backset 55 mm). With plastic latch, steel bolt and brass coloured painted lock cover, deadlock insert and key. On request, also with profile cylinder (stainless steel lock cover shown).

Illustration:
The high-gloss door leaf with powder-coated primer and frame painted in the same colour of Anthracite grey (similar to RAL 7016) on-site, with aluminium lever handle set (special equipment)
High-grade seals
As standard, the AZ 40 is fitted with all-round EPDM glass rebate seals with Softline glazing beads in the leaf infills. The door set is also equipped with an EPDM frame seal on all sides, optionally with a retractable bottom seal.

Hinge systems to choose
The door leaf is equipped as standard with galvanized hinge parts V0026 WF, which are firmly screwed in. The door leaf and frame are prepared for the hinge systems V8000 WF/ V9000 WF. Further hinge systems are available on request.

Attractive design
With the round-style frame and Globus hinges, AZ doors have a particularly attractive appearance.

Tubular frame construction
Door leaf thickness 40 mm

Main function
Internal door

Galvanized steel
Stainless steel V2A

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AZ 40
Profile system  Aluminium
Door leaf  40 mm
Viewed width
Opposite hinge side  105 mm
Hinge side  130 mm
Depth  40 mm
Bottom section height  150 mm

Internal door
AZ 40

Size range  Width  Height
Nominal size (ordering size)  750 – 1250  1875 – 2250
Clear passage  686 – 1186  1843 – 2218

All dimensions in mm
Internal door ES 50
The fully glazed office door - can also be used as a completely glazed partition wall
Single and double-leaf, side elements, transom lights

As a complete door set
The ES 50 doors are available as complete ready-to-fit door sets or in combination with side elements and transom lights as individual glazing sets.

Sturdy and elegant door leaf
The slimline tubular frame construction made from aluminium extrusions with flush-fitting transitions has an elegant appearance. Solid corner joints in the frame give the ES 50 doors a high degree of stability.

Can be extended to form a partition wall
You can combine the door with any side elements and transom lights. This provides you with, e.g., a complete glazing set as partition wall for individual offices.

Style 101 with horizontal rail and side elements
Style 102 with side elements and transom lights

Illustration:
Door leaf and frame with high-gloss powder-coating in light grey (similar to RAL 7035), with lever handle set in the same colour (special equipment)
As fully glazed partition wall with side elements and transom lights

Adjustable hinges
The ES 50 can be adjusted optimally using the three-way adjustable hinges and falls into the lock easily and quietly.

Quality lock
The door is equipped with a mortice lever/knob lock according to DIN 18251, Class 3, prepared for a profile cylinder (backset 40 mm), a plastic latch, steel bolt and lock cover painted in brass colour, deadlock insert and key. On request, it can also be supplied with a profile cylinder.

Main function
Internal door

Tubular frame construction
Door leaf thickness 50 mm

Internal door
ES 50
Profile system
Aluminium
Door leaf
50 mm
Viewed width

Frame
70 mm
Leaf
75 mm
Depth
50 mm
Bottom section height
150 mm

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Styles 100 / 101

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Styles 102 / 103

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<tr>
<td>Clear passage</td>
<td>1195 – 2460</td>
<td>1670 – 2930</td>
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All dimensions in mm
External door TC 80
The fully glazed outside door for light and representative building entrances
Single and double-leaf, side elements, transom lights

As a complete door set
The TC 80 doors are available as complete ready-to-fit door sets or in combination with side elements and transom lights as individual glazing sets.

Door construction with thermal break
The door leaf and frame, as well as the double thermal insulation glazing with thermal break, offer a high thermal insulation. Triple glazing for even better thermal insulation is optionally available.

Threshold with thermal break
The 80 mm wide and sturdy threshold with thermal break (in EV1 silver) with concealed bolting to the bottom ensures for optimum thermal insulation.

Adjustable hinges
The door can be adjusted optimally using the three-way adjustable hinges and falls into the lock easily and quietly. Concealed hinges are also available as an option.

Can be combined to form walls of any size
You can also combine the TC 80 doors with transom lights and side elements that allow large fully glazed entrance areas to be created.

Illustration:
Door leaf and frame with high-gloss powder-coating in Traffic white (similar to RAL 9016), with lever handle set in Traffic white RAL 9016
Secured fittings outside
The knob handle and the security rose escutcheon that protect the profile cylinder against being drilled out and twisted off are standard equipment.

5-point automatic lock
With this multiple lock, 3 steel hooks and 2 bolts swing into the lock plates and lock the door automatically; this self-locking mechanism can be manually deactivated, such as, e.g. for the application of a Hörmann electric strike with day-night function.

Tubular frame construction
Door leaf thickness 80 mm with thermal break

Main function
External door

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WK 2

Up to 1300 mm
Style 100
Style 101 with horizontal rail
Up to 2600 mm
Style 102
Style 103 with horizontal rail

External door
TC 80
Profile system
Aluminium
Door leaf
80 mm With thermal break
Viewed width
Frame 70 mm
Leaf 75 mm
Depth 80 mm
Bottom section height 150 mm
Performance characteristics
Thermal insulation $U_D$ 1.4 – 1.7 W/m²K
Driving rain leaktightness Class 2A
Air permeability Class 1
Mechanical strength Class 3
Differential climate behaviour Class 1 (d/2 (e))
Resistance to repeated opening and closing Class 5

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Styles 100 / 101

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Styles 102 / 103

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<tr>
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<td>1195 – 2460</td>
<td>1670 – 2430</td>
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All dimensions in mm
Multi-purpose external door MZ Thermo
With 7-point security and thermal break on door leaf and frame
Single-leaf

Door leaf with thermal break
The thermal break door leaf completely filled with PU rigid foam allows an improvement in thermal insulation by up to 30%, compared with conventional multi-purpose doors.

Aluminium frame with thermal break A2
The aluminium block frame with thermal break can be fitted opening inwards as well as opening outwards.

Threshold with thermal break
The 20 mm high plastic threshold rail with thermal break, double all-round seals and additional brush seals in the foot area, ensure for a high tightness and thermal insulation.

3D hinges
(3D guide rollers)
Two-part 3-way adjustable secured hinges with aluminium decorative covers guarantee smooth door function.

Illustration: MZ Thermo TPS 021 painted in Traffic white (similar to RAL 9016) with Mastercarré glazing and stainless steel lever handle set (special equipment)
7-point security
In the lock plates of the frame, 1 lock bolt engages and pulls the door tightly shut. Three further security bolts on the hinge side and a further 3 hinges (guide rollers) make it practically impossible to force the door open.

Main functions
Multi-purpose door

External door
Labelled according to DIN EN 14351-1

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MZ Thermo TPS 011

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MZ Thermo TPS 021

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<td>1906 – 2166</td>
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All dimensions in mm
External security door KSI Thermo
With 11-point security and all-round thermal break
Single-leaf

Door leaf with thermal break
The thermal break door leaf completely filled with PU rigid foam allows an improvement in thermal insulation by up to 30%, compared with a conventional security door.

Aluminium frame with thermal break A2
The aluminium block frame with thermal break is fitted opening inwards.

Threshold with thermal break
The 20 mm high plastic threshold rail with thermal break, double all-round seals and additional brush seals in the foot area ensure for a high tightness and thermal insulation.

3D hinges
(3D guide rollers)
Two-part three-way adjustable hinges with securing pin and aluminium decorative caps guarantee a smooth door function.

Illustration:
KSI Thermo painted in Traffic white (similar to RAL 9016) with stainless steel lever handle set (special equipment)
11-point security
Two conical swing bolts engage with 2 additional security bolts and 1 lock bolt in the frame’s lock plates and pull the door shut tightly. Another three security bolts on the hinge side and 3 further hinges (guide rollers) make it practically impossible to force the door open. Another advantage: the door closes especially quietly due to the soft-lock latch.

Main functions
Break-in-resistant
WK 2 (on the opposite hinge side)

External door
Labelled according to DIN EN 14351-1

Thick rebate
Door leaf
thickness 46 mm with thermal break

Security door

KSI Thermo
Door leaf
46 mm with thermal break
Sheet thickness
0.8 mm
Rebate type
Thick rebate

Performance characteristics
Thermal insulation $U_D$
1.2 W/m²K
Wind load
Class C3
Driving rain leaktightness
Class 4A
Air permeability
Class 3
Mechanical strength
Class 4
Differential climate behaviour
Class 3(c)
Resistance to repeated opening and closing
Class 5
Impact resistance
Class 2

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Clear passage
747 – 1122 1791 – 2166

All dimensions in mm

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Up to 30% better thermal insulation thanks to thermal breaks
### Colours and decor surfaces

**We respond to your requests**

#### Preferred colours

Hörmann function doors are offered in 12 inexpensive preferred colours* as well as in all colours according to RAL**. The surfaces have a high-quality powder-coated primer (painted with external doors) and are therefore especially resistant and durable. The internal doors ZK and OIT are also supplied with galvanized surface finish.

*Except for AZ 40, ES 50, TC 80 doors  
**Except for WAT, MZ Thermo, KSI Thermo doors

#### Decor surfaces

For a natural and exclusive door style, we offer high-quality decor surfaces* in 5 true-to-original timber looks as well as the especially elegant Titan Metallic surface finish.

*Except for WAT, MZ Thermo, KSI Thermo doors

### RAL to choose**

On request, all doors are available in the colours of the RAL scale.

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*Traffic white RAL 9016  
White aluminium RAL 9006  
Terra brown RAL 8028  
Sepia brown RAL 8014  
Clay brown RAL 8003  
Window grey RAL 7040  
Light grey RAL 7035  
Anthracite grey RAL 7016  
Moss green RAL 6005  
Pigeon blue RAL 5014  
Ruby red RAL 3003  
Light ivory RAL 1015*

#### Only for internal doors

- Golden Oak
- Dark Oak
- Titan Metallic (MZ Thermo / KSI Thermo only)
- White Ash
- Light Oak
- Beech
Optional equipment
ZK, OIT internal doors

Plastic lever handle sets
The lever handle or the lever/knob handle set are delivered in black as standard, as well as optionally in red or white.

Aluminium / stainless steel lever handle sets
Offered in the same versions as the plastic handle sets, in aluminium anodized in natural finish (F1) or stainless steel.

Glazings
- Single-pane safety glass (6 mm)
- Laminated safety glass (6 mm)
- Ornamental glass (6 mm)
  - Mastercarré
  - Masterpoint
  - Masterligne

Glazing frame
- Anodised aluminium E6/EV1
- Timber glazing beads (with timber design)
- Stainless steel (option)

More equipment
- Wide-angle spyhole
- Letter drop flap
- Plastic ventilation grille (435 x 85 mm)
Optional equipment
Internal doors AZ 40, ES 50
External door TC 80

Plastic lever handle sets
The doors can be offered optionally with lever handle or the lever/knob handle set in black, red or white as well as all HEWI colours.

Aluminium / stainless steel lever handle sets
Can be delivered in the same versions as the plastic handle sets, in aluminium anodized in natural finish (F1) or stainless steel.

Lever handle set, rose escutcheon, prepared for profile cylinder, aluminium
Lever handle set, rose escutcheon, prepared for profile cylinder, white plastic
Lever/knob handle set, rose escutcheon, prepared for profile cylinder, white plastic
Lever handle set, rose escutcheon, prepared for profile cylinder, stainless steel

Glazings
- Ornamental glass (4 mm)
  - Mastercarré
  - Masterpoint
  - Masterligné
  - Royal Flash
  - Royal Trio
  - Silk
- Wired ornamental glass (7 mm)
- Single-pane safety glass (6 mm)
- Laminated safety glass (6 mm)
- Insulated glass (18 mm)
- Aluminium panel infill (10 mm)

More equipment
- Anti-panic locks
- Slide rail overhead door closer HDC 35

Slide rail overhead door closer HDC 35 NEW
Optional equipment

Fire-rated security door WAT
External multi-purpose door MZ Thermo, external security door KSI Thermo

Fire-rated security door WAT

Aluminium / stainless steel lever handle sets
As standard, the doors are available with a lever handle or lever/knob handle set in aluminium anodized in natural finish (F1) or optionally in stainless steel.

More equipment
• Retractable bottom seal
• Spyhole
• Slide rail overhead door closer HDC 35

Multi-purpose external door MZ Thermo
External security door KSI Thermo

Lever handle sets MZ Thermo
As standard, the doors are available with a lever handle or lever/knob handle set in black plastic, as well as optionally in aluminium anodized in natural finish (F1) or optionally in stainless steel.

Lever handle sets KSI Thermo
The doors are equipped with a lever handle or lever/knob handle set ES1 in aluminium in natural finish (F1).

More equipment
• Anti-panic locks
• Slide rail overhead door closer HDC 35
**Dimensional references / standard sizes**

**ZK, OIT internal doors**

### Vertical view

![Vertical view diagram]

### Horizontal view

![Horizontal view diagram]

### Fitting versions

- **Corner frame**: Fitting to brickwork, Grouting lugs
- **Special corner frame**: Plug-and-screw fitting through the groove bottom
- **Profile frame**: Fitting to brickwork, Grouting lugs

### Ordering size

<table>
<thead>
<tr>
<th>Nominal size</th>
<th>Structural opening Width x height</th>
<th>Clear passage dimension Width x height</th>
<th>Frame hold dimension Width x height</th>
<th>Overall door leaf dimension Width x height</th>
<th>Clear view Width x height</th>
</tr>
</thead>
<tbody>
<tr>
<td>750 × 1875</td>
<td>760 × 1880</td>
<td>686 × 1843</td>
<td>716 × 1858</td>
<td>735 × 1860</td>
<td>325 × 375</td>
</tr>
<tr>
<td>750 × 2000</td>
<td>760 × 2005</td>
<td>686 × 1843</td>
<td>716 × 1858</td>
<td>735 × 1860</td>
<td>325 × 375</td>
</tr>
<tr>
<td>750 × 2125</td>
<td>760 × 2130</td>
<td>686 × 2093</td>
<td>716 × 2108</td>
<td>735 × 2110</td>
<td>325 × 375</td>
</tr>
<tr>
<td>875 × 2000</td>
<td>885 × 2005</td>
<td>811 × 1843</td>
<td>841 × 1858</td>
<td>860 × 1860</td>
<td>450 × 375</td>
</tr>
<tr>
<td>875 × 2125</td>
<td>885 × 2130</td>
<td>811 × 2093</td>
<td>841 × 2108</td>
<td>860 × 2110</td>
<td>450 × 375</td>
</tr>
<tr>
<td>1000 × 1875</td>
<td>1010 × 1880</td>
<td>936 × 1843</td>
<td>966 × 1858</td>
<td>985 × 1860</td>
<td>575 × 375</td>
</tr>
<tr>
<td>1000 × 2000</td>
<td>1010 × 2005</td>
<td>936 × 1843</td>
<td>966 × 1858</td>
<td>985 × 1860</td>
<td>575 × 375</td>
</tr>
<tr>
<td>1000 × 2125</td>
<td>1010 × 2130</td>
<td>936 × 2093</td>
<td>966 × 2108</td>
<td>985 × 2110</td>
<td>575 × 375</td>
</tr>
</tbody>
</table>

**Note:** Glazing cut-out in special sizes on request.

All dimensions in mm.

**Please state handing on order!**

- **Left-hand hinged**
- **Right-hand hinged**
- **Traffic leaf left-hand hinged**
- **Traffic leaf right-hand hinged**
**Dimensional references / standard sizes**

**Fire-rated security door WAT**

**Vertical view**

**Horizontal view**

**Fitting versions**

- **Corner frame**
  - Fitting to brickwork
  - Grouting lugs

- **Profile frame**
  - Fitting to brickwork
  - Grouting lugs

- **Block frame**
  - Fitting to brickwork
  - Plug-and-screw fitting

<table>
<thead>
<tr>
<th>Ordering size</th>
<th>Nominal size Width x height</th>
<th>Structural opening Width x height</th>
<th>Clear passage dimension* Width x height</th>
<th>Frame hold dimension Width x height</th>
<th>Overall door leaf dimension Width x height</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Standard sizes WAT (with corner frame), single-leaf</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>750 x 2000</td>
<td>760 x 2005</td>
<td>686 x 1968</td>
<td>716 x 2108</td>
<td>735 x 2110</td>
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</tr>
<tr>
<td>750 x 2125</td>
<td>760 x 2130</td>
<td>686 x 2093</td>
<td>716 x 2108</td>
<td>735 x 2110</td>
<td></td>
</tr>
<tr>
<td>875 x 2000</td>
<td>885 x 2005</td>
<td>811 x 1968</td>
<td>841 x 2108</td>
<td>860 x 1985</td>
<td></td>
</tr>
<tr>
<td>875 x 2125</td>
<td>885 x 2130</td>
<td>811 x 2093</td>
<td>841 x 2108</td>
<td>860 x 2110</td>
<td></td>
</tr>
<tr>
<td>1000 x 2000</td>
<td>1010 x 2005</td>
<td>936 x 1968</td>
<td>966 x 2108</td>
<td>985 x 1985</td>
<td></td>
</tr>
<tr>
<td>1000 x 2125</td>
<td>1010 x 2130</td>
<td>936 x 2093</td>
<td>966 x 2108</td>
<td>985 x 2110</td>
<td></td>
</tr>
</tbody>
</table>

All dimensions in mm

Please state handing on order!

- ![Left-hand hinged](image)
- ![Right-hand hinged](image)

*With an opening angle of 90° and without taking into account handles or levers, the clear passage width is reduced by 2 mm.*
**Internal door AZ 40**

### Standard sizes AZ 40**, single-leaf

<table>
<thead>
<tr>
<th>Ordering size Nominal size Width x height</th>
<th>Structural opening Width x height</th>
<th>Clear passage dimension* Width x height</th>
<th>Frame hold dimension Width x height</th>
<th>Overall door leaf dimension Width x height</th>
<th>Glass dimensions Width x height</th>
</tr>
</thead>
<tbody>
<tr>
<td>750 x 2000</td>
<td>760 x 2005</td>
<td>686 x 1968</td>
<td>716 x 1983</td>
<td>735 x 1985</td>
<td>501 x 1739</td>
</tr>
<tr>
<td>750 x 2125</td>
<td>760 x 2130</td>
<td>686 x 2093</td>
<td>716 x 2108</td>
<td>735 x 2110</td>
<td>501 x 1864</td>
</tr>
<tr>
<td>875 x 2000</td>
<td>885 x 2005</td>
<td>811 x 1968</td>
<td>841 x 1983</td>
<td>860 x 1985</td>
<td>626 x 1739</td>
</tr>
<tr>
<td>875 x 2125</td>
<td>885 x 2130</td>
<td>811 x 2093</td>
<td>841 x 2108</td>
<td>860 x 2110</td>
<td>626 x 1864</td>
</tr>
<tr>
<td>1000 x 2000</td>
<td>1010 x 2005</td>
<td>936 x 1968</td>
<td>966 x 1983</td>
<td>985 x 1985</td>
<td>751 x 1739</td>
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<td>1000 x 2125</td>
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<td>936 x 2093</td>
<td>966 x 2108</td>
<td>985 x 2110</td>
<td>751 x 1864</td>
</tr>
</tbody>
</table>

**Refers to door sets with steel frames according to DIN 18111

All dimensions in mm

Please state handing on order!
**Dimensional references / sizes**

**Internal door ES 50**

**Vertical view**

**Horizontal view**

**Fitting version**

*With an opening angle of 90° and without handles and levers, the clear passage width is reduced by another 44 mm, in double-leaf doors, by 88 mm.*

---

### Frames
- Fitting to brickwork
- Plug-and-screw fitting

### Ordering size
- **Overall frame dimension**
- **Clear passage dimension**
- **Traffic leaf**
- **Fixed leaf**

#### Sizes ES 50, single-leaf (style 100 / 101)

<table>
<thead>
<tr>
<th></th>
<th>Overall frame dimension</th>
<th>Clear passage dimension</th>
<th>Traffic leaf</th>
<th>Fixed leaf</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width</td>
<td>605 – 1300</td>
<td>501 – 1160</td>
<td>465 – 1160</td>
<td></td>
</tr>
<tr>
<td>Height</td>
<td>1740 – 3000</td>
<td>1670 – 2930</td>
<td>1665 – 2925</td>
<td></td>
</tr>
</tbody>
</table>

#### Sizes ES 50, double-leaf (style 102 / 103)

<table>
<thead>
<tr>
<th></th>
<th>Overall frame dimension</th>
<th>Clear passage dimension</th>
<th>Traffic leaf</th>
<th>Fixed leaf</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width</td>
<td>1335 – 2600</td>
<td>1195 – 2460</td>
<td>500 – 1500</td>
<td>500 – 1500</td>
</tr>
<tr>
<td>Height</td>
<td>1740 – 3000</td>
<td>1670 – 2930</td>
<td>1665 – 2925</td>
<td></td>
</tr>
</tbody>
</table>

All dimensions in mm

Please state handing on order!

- Left-hand hinged
- Right-hand hinged
- Traffic leaf left-hand hinged
- Traffic leaf right-hand hinged
**Dimensional references / sizes**

**External door TC 80**

### Vertical view

### Horizontal view

### Fitting version

---

**Frames**
Fitting to brickwork
Plug-and-screw fitting

<table>
<thead>
<tr>
<th>Ordering size Overall frame dimension</th>
<th>Clear passage dimension*</th>
<th>Traffic leaf</th>
<th>Fixed leaf</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sizes TC 80, single-leaf (style 100 / 101)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>605 – 1300</td>
<td>465 – 1160</td>
<td></td>
</tr>
<tr>
<td>Height</td>
<td>1740 – 2500</td>
<td>1655 – 2415</td>
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</tr>
<tr>
<td><strong>Sizes TC 80, double-leaf (style 102 / 103)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>1335 – 2600</td>
<td>1195 – 2460</td>
<td>500 – 1500</td>
</tr>
<tr>
<td>Height</td>
<td>1740 – 2500</td>
<td>1655 – 2415</td>
<td>500 – 1500</td>
</tr>
</tbody>
</table>

All dimensions in mm

Please state handing on order!

---

*With an opening angle of 90° and without handles and levers, the clear passage width is reduced by another 74 mm, in double-leaf doors, by 148 mm.

**With 110 mm frame profile**
Dimensional references / standard sizes
External multi-purpose door MZ Thermo, external security door KSI°Thermo

**Vertical view**

**Horizontal view**

<table>
<thead>
<tr>
<th>Ordering size</th>
<th>Structural opening Width x height</th>
<th>Clear passage dimension Width x height</th>
<th>Frame hold dimension Width x height</th>
<th>Overall door leaf dimension Width x height</th>
<th>Glass dimensions TPS 021 Width x height</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard sizes MZ Thermo, single-leaf</td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>875 x 2000</td>
<td>895 x 2100</td>
<td>747 x 1916</td>
<td>841 x 1983</td>
<td>860 x 1985</td>
<td>172 x 1562</td>
</tr>
<tr>
<td>875 x 2125</td>
<td>895 x 2135</td>
<td>747 x 2041</td>
<td>841 x 2108</td>
<td>860 x 2110</td>
<td>172 x 1562</td>
</tr>
<tr>
<td>1000 x 2000</td>
<td>1020 x 2010</td>
<td>872 x 1916</td>
<td>966 x 1983</td>
<td>985 x 1985</td>
<td>172 x 1562</td>
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<tr>
<td>1000 x 2125</td>
<td>1020 x 2135</td>
<td>872 x 2041</td>
<td>966 x 2108</td>
<td>985 x 2110</td>
<td>172 x 1562</td>
</tr>
<tr>
<td>Standard sizes KSI Thermo, single-leaf</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>875 x 2000</td>
<td>895 x 2100</td>
<td>747 x 1916</td>
<td>841 x 1983</td>
<td>860 x 1985</td>
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<td>985 x 2110</td>
<td>172 x 1562</td>
</tr>
</tbody>
</table>

All dimensions in mm

Please state handing on order!

| Left-hand hinged | Right-hand hinged |

*With an opening angle of 90° and without taking into account handles or levers, the clear passage width is reduced by 2 mm.
Hörmann product range
Everything from a single source for your construction project

1 Sectional doors
These room-saving door systems can be adapted to different industrial facilities using various track applications. Hörmann offers you tailored solutions for every application.

2 Rolling shutters and rolling grilles
Thanks to a simple construction with just a few components, rolling shutters are both economical and sturdy. Hörmann supplies rolling shutters in widths and heights of up to 11.75 m and 9 m respectively, or as special doors which are even higher.

3 Steel and aluminium folding doors
Hörmann folding doors in steel and aluminium are recommended for halls with low traffic frequency and little headroom, as well as areas where no roof load is permitted.

4 High-speed doors
Hörmann high-speed doors are used both inside and as exterior doors to optimise the flow of traffic, improve room conditions and save energy. The Hörmann programme includes vertically and horizontally opening transparent doors with flexible curtains.

5 Loading technology
Hörmann offers you complete loading systems for the logistics sector. The advantages: reliable planning, dependable execution of construction work and high functionality thanks to precisely matched components.

6 Fire sliding doors
Hörmann can provide you with single or double-leaf sliding door solutions, suitable for all areas and required fire protection classes.

7 Multi-function doors and reinforced internal doors
Hörmann multi-function doors and reinforced internal doors are suitable for indoor and outdoor use. Our single and double-leaf doors can be used anywhere where robust door elements are required. With numerous additional functions such as fire and smoke protection, acoustic insulation or burglar protection.

8 Fire and smoke-protection box frame parts
Hörmann offers you doors and fixed glazing made of steel and aluminium for areas where appearance is important, such as administration areas in industrial buildings.

9 Visibility windows
Hörmann visibility glazings are used as windows or room-high elements to provide more light and better visibility.

10 Service
Only intact, professionally maintained systems ensure smooth production processes and secure traffic ways. The statutory inspections and necessary repairs are professionally carried out and documented with an inspection and maintenance contract.
Hörmann: Quality without Compromise

Hörmann is the only manufacturer worldwide that offers you a complete range of all major building products from one source. We manufacture in highly-specialised factories using the latest production technologies. The close-meshed network of sales and service companies throughout Europe, and activities in the USA and China, make Hörmann your strong partner for first-class building products, offering “Quality without Compromise”.

GARAGE DOORS
OPERATORS
INDUSTRIAL DOORS
LOADING EQUIPMENT
HINGED DOORS
DOOR FRAMES