

Industrial price list 10-22.1

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**Sliding doors,
hinged garage doors,
fire protection curtains
and fire-rated vertical
sliding doors**

Hörmann international sales companies and sales partners



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Contents

Product description of standard equipment				Page
Sliding doors	Multi-purpose sliding doors			2
	Fire sliding doors			3
	High-speed multi-purpose sliding doors			4
	High-speed fire sliding doors			5
Vertical sliding doors	Vertical fire sliding doors			6
Hinged garage doors	Multi-purpose hinged garage doors			7
	Fire-rated hinged garage doors			7
Textile curtains	Fire protection curtain E			8
	Fire protection curtain EW			9
Multi-purpose sliding doors				
Multi-purpose sliding doors	FST MZ-1 OD	Single-leaf		10
	FST MZ-2 OD	Double-leaf		12
Telescopic multi-purpose sliding doors	FST MZ-1 T2 OD	Single-leaf, 2-part telescopic		14
	FST MZ-1 T3 OD	Single-leaf, 3-part telescopic		16
Fire sliding doors				
Fire sliding doors	FST 30-1 OD	El ₂ 30 single-leaf	CE marking	18
	FST 30-2 OD	El ₂ 30 double-leaf	CE marking	20
	FST 60-1 OD	El ₂ 60 single-leaf	CE marking	22
	FST 60-2 OD	El ₂ 60 double-leaf	CE marking	24
	FST 90-1 OD	El ₂ 90 single-leaf	CE marking	26
	FST 90-2 OD	El ₂ 90 double-leaf	CE marking	28
	FST 120-1 OD	El ₂ 120 single-leaf	CE marking	30
	FST BS120	BS120	British Standard	32
	FST BS240	BS240	British Standard	33
	Telescopic fire sliding doors	FST 30-1-T2 OD	El ₂ 30 single-leaf, 2-part telescopic	
FST 30-1-T3 OD		El ₂ 30 single-leaf, 3-part telescopic		36
FST 60-1-T2 OD		El ₂ 60 single-leaf, 2-part telescopic		38
FST 60-1-T3 OD		El ₂ 60 single-leaf, 3-part telescopic		40
FST 90-1-T2 OD		El ₂ 90 single-leaf, 2-part telescopic		42
FST 90-1-T3 OD		El ₂ 90 single-leaf, 3-part telescopic		44
High-speed sliding doors				
High-speed multi-purpose sliding doors	FST S MZ-1	Single-leaf		46
	FST S MZ-2	Double-leaf		47
High-speed fire sliding doors	FST S 30-1	El ₂ 30 single-leaf		48
	FST S 30-2	El ₂ 30 double-leaf		49
Operators and optional extras for single-leaf and double-leaf FST S sliding doors				50
Vertical sliding doors				
Vertical fire sliding door	FHT OD	El ₂ 30 single-leaf	Up to 7000 mm width	52
Vertical fire sliding door	FHT OD	El ₂ 90 single-leaf	Up to 7000 mm width	54
Optional extras for vertical fire sliding doors				56
Hinged garage doors				
Multi-purpose hinged garage doors	DFT MZ-1	Single-leaf	Up to 5000 mm width	58
Fire-rated hinged garage doors	DFT 30-1	El ₂ 30 single-leaf	Up to 3950 mm width	59
Textile curtains				
Fire protection curtains	FlexFire E	E30, E60, E90, E120		60
Fire protection curtains	FlexFire EW	EW30, EW60		62
Operators for sliding doors				
Operator SupraMatic HT	For multi-purpose and fire sliding doors		Up to 800 kg	74 – 76
Operator ITO 400	For multi-purpose and fire sliding doors		800 – 2500 kg	78 – 79
Colour coating and surface finish versions				64
Optional extras for multi-purpose and fire sliding doors				66 – 86
Side door STU, Pearlgrain for sliding doors				87
Standard packaging / special packaging for sliding doors				88
Technical notes				
Calculating the number of smoke detectors for fire sliding doors				89
Determining the cylinder length for sliding doors / wicket doors				90

Multi-purpose sliding doors FST – steel and stainless steel

Product description for standard equipment

Steel multi-purpose sliding doors FST OD (see from page 10)

MZ

Door leaf:

- Flush, fully bonded tongue-and-groove element connection
- Galvanized sheet steel, sheet thickness 0.75 mm, standard surface finish Pearlgrain or smooth sheet steel
- Door galvanized as standard, without primer coating
- Element thickness / door leaf thickness: 72 mm
- Panel style connected using concealed, internal threaded rods
- Panel widths dependent on the door height: 230–1553 mm
- Max. individual panel weight 180 kg
- With honeycomb infill, optionally with mineral wool infill
- Grip handle and recessed handle in stainless steel V2 A, 1.4301
- Multi-purpose sliding doors without hydraulic soft stop as standard
- Without lock as standard
- Integrated floor guide roller with ball-bearing
- Centring devices attached to the guiding profile
- Optional hold-open locking positions (only for external doors)
- Optional track cover for external doors

Door frame:

- Closed, patented, cold-rolled, galvanized C-profile track with three-way adjustable suspension brackets and bolt plug-in connection for a precise track joint
- Track wall connection profile to compensate for irregularities in the wall
- 2 × galvanized roller pairs with ball-bearing per panel
- Track clad with galvanized sheet steel cover
- For the RAL to choose option, the complete sliding door frame is delivered coated
- Separate track cover

Fixing material

For fitting to steel, concrete and brickwork

Actuation:

- Manual opening and closing as standard
- Optionally with operator or opening aid

Prepared for fitting to:

- Flush brickwork
- Concrete
- Gas concrete
- Sand-lime brickwork
- Timber partition wall
- Steel columns

Tested according to door product standard EN 13241-1

Version for external applications:

- Max. door size 6000 × 6000 mm, larger dimensions upon consultation with the factory
- External doors always with track cover
- Mineral wool insulation (note the surcharge!)
- Exclusively available in colours RAL 7035, RAL 9002, RAL 9006, RAL 9007, RAL 9010 and RAL 9016. Further light colours on request
- Operators on external doors only possible on the interior fitting side.

Multi-purpose sliding doors FST OD made of stainless steel V2 A, 1.4301, K240 polished (see from page 10)



MZ

Door leaf:

- Flush, fully bonded tongue-and-groove element connection
- Stainless steel sheet V2 A, 1.4301, sheet thickness 0.8 mm, K240 polished, smooth
- Element thickness / door leaf thickness: 72 mm
- Panel style connected using concealed, internal threaded rods
- Panel widths dependent on door heights: 230–1555 mm
- Max. individual panel weight 180 kg
- With honeycomb infill, optionally with mineral wool infill
- Grip handle and recessed handle in stainless steel V2 A, 1.4301
- Multi-purpose sliding doors without hydraulic soft stop as standard
- Without lock as standard
- Integrated floor guide roller with ball-bearing
- Centring devices attached to the guiding profile

Door frame:

- Closed, patented, cold-rolled, C-profile track made of stainless steel V2 A, 1.4301 and bolt plug-in connection for precise track joint
- Guiding profile, labyrinth profile and weight box made of stainless steel V2 A, 1.4301
- Track wall connection profile to compensate for irregularities in the wall
- Three-way adjustable suspension brackets, made of stainless steel V2 A, 1.4301
- 2 roller pairs with ball-bearing per panel, made of stainless steel V2 A, 1.4301
- Track clad with cover sheet made of stainless steel V2 A, 1.4301
- Closing weight rope in stainless steel V2 A, 1.4301

Fixing material

For fitting to steel, concrete, brickwork and gas concrete

Actuation:

- Manual opening and closing as standard
- Optionally with operator or opening aid

Prepared for fitting to:

- Flush brickwork
- Concrete
- Gas concrete
- Sand-lime brickwork
- Timber partition wall
- Steel columns

Tested according to door product standard EN 13241-1

Fire and smoke-tight sliding doors FST OD – steel

Product description for standard equipment

Steel fire and smoke-tight sliding doors (see from page 18)

El₂30

El₂60

El₂90

El₂120

Door leaf:

- Flush, fully bonded tongue-and-groove element connection
- Galvanized sheet steel, sheet thickness 0.75 mm, standard surface finish Pearlgrain or optionally smooth sheet steel
- Door galvanized as standard, without primer coating
- Element thickness / door leaf thickness: 72 mm
- Panel style connected using concealed, internal threaded rods
- Panel widths dependent on the door height: 230 – 1553 mm
- Max. individual panel weight 180 kg
- El₂30 with fire-retarding insulation
- El₂60, El₂90 and El₂120 with fire-proof insulation
- Including hydraulic track control for continuously adjustable closing speed (0.08 – 0.2 m/s) invisibly integrated into the weight box
- Without lock as standard
- Grip handle and recessed handle in stainless steel V2 A, 1.4301
- Integrated floor guide roller with ball-bearing
- Without guidance damper for doors < 9 m² (up to El₂90)
- Integrated guidance damper for single-leaf doors El₂30 > 9 m²
- Surface-mounted guidance damper bracket for double-leaf doors, telescopic doors and for El₂90 version > 9 m²
- Galvanized telescopic anchor surface-mounted on the door leaf
- Centring devices attached to the guiding profile

Door frame:

- Closed, patented, cold-rolled, galvanized C-profile track with three-way adjustable suspension brackets and bolt plug-in connection for a precise track joint
- Track wall connection profile to compensate for irregularities in the wall
- 2 × galvanized roller pairs with ball-bearing per panel
- Track clad with galvanized sheet steel cover
- Weight box on the side with internal closing weight, including anti-rotation safeguard, clad with galvanized sheet steel cover
- For the RAL to choose option, the complete door frame is delivered coated; optionally the door leaf can be supplied in colour with a galvanized frame at a reduced price
- Magnet connected to C-profile track

Actuation:

- Manual door opening as standard
- Door closing by closing weight on the closing side
- Optionally with operator or opening aid

Smoke protection version (up to El₂120)

- All-round seal containing silicone
- Wiper seal at the track and as a bottom edge
- Threshold gasket on the guiding and labyrinth profiles
- Wiper seal for wicket / escape doors without threshold
- Centre joint seal for double-leaf doors (up to El₂90)

Fitting possible with:

El₂30

- Flush brickwork, thickness ≥ 175 mm according to EN 771-1
- Concrete, thickness ≥ 140 mm according to EN 1996-1-1
- Gas concrete, thickness ≥ 175 mm according to EN 771-4, strength class M4
- Sand-lime brickwork, thickness ≥ 145 mm, acc. to EN 771-2
- Timber partition wall, thickness ≥ 110 mm (up to max. LDB × LDH = 3500 × 3700)
- Steel girders: fire-proof encased steel components, at least REI 30

El₂60

- Flush brickwork, thickness ≥ 175 mm according to EN 771-1
- Concrete, thickness ≥ 140 mm according to EN 1996-1-1
- Gas concrete, thickness ≥ 240 mm according to EN 771-4, strength class M4
- Steel girders: fire-proof encased steel components, at least REI 60

El₂90

- Flush brickwork, thickness ≥ 175 mm according to EN 771-1
- Concrete, thickness ≥ 140 mm according to EN 1996-1-1
- Gas concrete, thickness ≥ 240 mm according to EN 771-4, strength class M4
- Steel girders: fire-proof encased steel components, at least REI 90

El₂120

- Flush brickwork, thickness ≥ 240 mm according to EN 771-1
- Concrete, thickness ≥ 175 mm according to EN 1996-1-1
- Steel girders: fire-proof encased steel components, at least REI 120

Tested according to EN 13241, EN 16034

Fire and smoke-tight sliding doors made of stainless steel V2 A, 1.4301, K240 polished (see from page 18)

ROSL
TRIP

El₂30

El₂60

El₂90

El₂120

The following components deviate from the specifications for steel doors and are made of stainless steel:

Door leaf:

- Stainless steel sheet V2 A, 1.4301, sheet thickness 0.8 mm, K240 polished, smooth
- > 9 m² with integrated guidance damper in V2 A

Door frame

- Closed, patented, cold-rolled, C-profile track made of stainless steel V2 A, 1.4301 and bolt plug-in connection for precise track joint
- Guiding profile, labyrinth profile and weight box made of stainless steel V2 A, 1.4301
- Three-way adjustable suspension brackets, made of stainless steel V2 A, 1.4301
- 2 roller pairs with ball-bearing per panel, made of stainless steel V2 A, 1.4301
- Track clad with cover sheet made of stainless steel V2 A, 1.4301
- Weight box on the side with internal closing weight, including anti-rotation safeguard with cover sheet made of stainless steel V2 A, 1.4301
- Internal closing weights made of steel, optionally in stainless steel V2 A, 1.4301
- Closing weight rope in stainless steel V2 A, 1.4301

High-speed multi-purpose sliding doors FST S – steel and stainless steel

Product description for standard equipment

High-speed multi-purpose sliding doors FST S made of steel (see from page 46)

MZ

Door leaf:

- Flush, fully bonded tongue-and-groove element connection
- Galvanized sheet steel, sheet thickness 0.75 mm, standard surface finish Pearlgrain or smooth sheet steel
- Door galvanized as standard, without primer coating
- Element thickness / door leaf thickness: 72 mm
- Panel style connected using concealed, internal threaded rods
- Panel widths dependent on the door height: 230–1553 mm
- Max. individual panel weight 180 kg
- With honeycomb infill, optionally with mineral wool infill
- Without recessed handles
- Without lock
- Centring devices attached to the guiding profile

Door frame:

- Guiding profile with centring devices in the door leaf colour, without weight box
- Labyrinth profile with floor guide roller

Operator:

- Tormax IMotion 2401 or on-site alternative operator
- Opening speed 40–100 cm/s
- Closing speed 4–80 cm/s
- Aluminium track profile including cover
- Aluminium transom profile
- Operating unit including 10 m connection cable
- Optional safety sensors
- 2 pairs of plastic rollers with ball-bearing per panel

Fixing material

For fitting to steel, concrete, brickwork and gas concrete

Actuation:

- Via automatic operator

► **Note: Please contact the factory prior to ordering (product currently without CE marking)**

High-speed multi-purpose sliding doors FST made of stainless steel V2 A, 1.4301, K240 polished (see from page 46)



MZ

Door leaf:

- Flush, fully bonded tongue-and-groove element connection
- Stainless steel sheet V2 A, 1.4301, sheet thickness 0.8 mm, K240 polished, smooth
- Door without primer coating as standard
- Element thickness / door leaf thickness: 72 mm
- Panel style connected using concealed, internal threaded rods
- Panel widths dependent on door heights: 230–1555 mm
- Max. individual panel weight 180 kg
- With honeycomb infill, optionally with mineral wool infill
- Without recessed handles
- Without lock
- Centring devices attached to the guiding profile

Door frame:

- Guiding profile with centring devices in stainless steel V2 A, 1.4301, K240 polished, without weight box
- Labyrinth profile with floor guide roller in stainless steel V2 A, 1.4301, K240 polished

Operator:

- Tormax IMotion 2401 or on-site alternative operator
- Opening speed 40–100 cm/s
- Closing speed 4–80 cm/s
- Aluminium track profile including cover
- Aluminium transom profile
- Operating unit including 10 m connection cable
- Optional safety sensors
- 2 pairs of plastic rollers with ball-bearing per panel

Fixing material

For fitting to steel, concrete, brickwork and gas concrete

Actuation:

- Via automatic operator

► **Note: Please contact the factory prior to ordering (product currently without CE marking)**

High-speed fire sliding doors FST S 30 – steel

Product description for standard equipment

High-speed steel fire sliding doors (see from page 48)

EL₂30

Door leaf:

- Flush, fully bonded tongue-and-groove element connection
- Galvanized sheet steel, sheet thickness 0.75 mm, standard surface finish Pearlgrain or smooth sheet steel
- Door galvanized as standard, without primer coating
- Element thickness / door leaf thickness: 72 mm
- Panel style connected using concealed, internal threaded rods
- Panel widths dependent on the door height: 230 – 1553 mm
- Max. individual panel weight 180 kg
- EI₂30 with fire-retarding insulation
- Without lock
- Without recessed handles
- Centring devices attached to the guiding profile

Door frame:

- Fire protection guiding profile in door colour / door leaf version
- Labyrinth profile with floor guide roller and fire protection properties
- Track labyrinth profile with fire protection properties in the door leaf colour

Operator:

- Tormax IMotion 2401
- Opening speed 40 – 100 cm/s
- Closing speed 4 – 80 cm/s
- Aluminium track profile including cover
- Aluminium transom profile
- Monitored battery unit
- Operating unit including 10 m connection cable
- Optional safety sensors
- 2 pairs of plastic rollers with ball-bearing per panel

Fixing material

Tested and approved for fitting in steel, concrete, brickwork and gas concrete

Actuation:

- Via automatic operator

Prepared for fitting to:

EI₂30

- Flush brickwork, thickness ≥ 175 mm according to DIN 1053-1
- Concrete, thickness ≥ 140 mm according to DIN 1045-1
- Gas concrete, thickness ≥ 240 mm according to DIN 4165-3, strength class 4*
- Gas concrete slabs, thickness ≥ 240 mm, reinforced, horizontal or vertical, according to DIN 4165, strength class 4.4*
- Cladded steel columns min. F90 A, according to DIN 4102-4

* Only in combination with a steel concrete lintel acc. to the static proof. The lintel must extend beyond the door opening area in line with the track length. (Germany)

► **Note: Please contact the factory prior to ordering (product currently without CE marking)**

High-speed fire sliding doors made of stainless steel V2 A, 1.4301, K240 polished (see from page 48)



EL₂30

The following components deviate from the above details of the sheet steel version in stainless steel:

Door leaf:

- Stainless steel sheet V2 A, 1.4301, sheet thickness 0.8 mm, K240 polished, smooth

Door frame:

- Fire protection guiding profile in stainless steel V2 A, 1.4301
- Labyrinth profile with floor guide roller and fire protection properties in stainless steel V2 A, 1.4301
- Track labyrinth profile with fire protection properties in stainless steel V2 A, 1.4301

Vertical fire sliding doors FHT OD

Product description for standard equipment

Fire-rated vertical sliding doors FHT OD made of steel with counter weight (see from page 52)

El₂30

El₂60

El₂90

Door leaf:

- Flush, fully bonded tongue-and-groove element connection
- Galvanized sheet steel, sheet thickness 0.75 mm
- Standard surface finish smooth sheet steel
- Door galvanized as standard, without primer coating
- Element thickness / door leaf thickness: 72 mm
- Panel style connected using concealed, internal threaded rods
- Panel widths dependent on the door height: 230 – 1553 mm
- Max. individual panel weight 180 kg
- El₂30: with fire-retarding insulation
- El₂60 / El₂90: with fire-proof insulation
- 1 × limit switch as standard

Door frame:

- Weight box arrangement either right or left
- Square closing weights made of steel

Fixing material:

For fitting to steel, concrete and brickwork

Actuation:

- With spur gear motor as standard:
Operator speed: 29 rpm, torque: 83 Nm, transmission: 49.00, 3-phase current motor IE2, operator shaft with feather key D: 20 × 40 mm, nominal power: 0.25 kW, brake CN06, 7 Nm 24 DC, colour RAL 7039 Quartz grey, motor connection: plug connector HAN10ES, voltage: 400 V DC, protection category: IP 54
- Hold-open device control FSA-FLEXControl or FAA-Plus
- Pre-assembled cable set and motor plug for connecting the motor to the hold-open device control, length: 15 m

Prepared for fitting to:

El₂30

- Flush brickwork, thickness ≥ 240 mm according to EN 771-1
- Concrete, thickness ≥ 175 mm according to EN 1996-1-1
- Steel girders: fire-proof encased steel components, at least REI 90

El₂90

- Flush brickwork, thickness ≥ 240 mm according to EN 771-1
- Concrete, thickness ≥ 175 mm according to EN 1996-1-1
- Steel girders: fire-proof encased steel components, at least REI 90

Tested according to EN 13241, EN 16034

Hinged garage doors DFT – steel

Product description for standard equipment

Multi-purpose hinged garage doors DFT made of steel (see from page 58)

MZ

Door leaf:

- Flush, fully bonded tongue-and-groove element connection
- Galvanized sheet steel, sheet thickness 0.75 mm, standard surface finish Pearlgrain or smooth sheet steel
- Door leaf galvanized as standard, without primer coating
- Element thickness / door leaf thickness 72 mm
- Panel style connected using concealed, internal threaded rods
- Panel widths dependent on the door height: 230 – 1553 mm
- Max. individual panel weight 180 kg
- With mineral wool insulation
- As standard with mortice lock BKS 1206 with stainless steel lock cover and lock plate and up to 3 additional latches
- Black UPVC lever handle set, lever height 1050 mm above FFL

Door frame:

- Block frame 140 / 75 mm, 3-part with all-round lining groove on three sides, without insulation, sheet thickness 1.5 mm
- 2-way adjustable hinges, 260 mm, galvanized version
- Version per leaf: Up to 4 hinges, depending on the static requirements
- Stainless steel lock plate V2 A, 1.4301 with scratch-protection properties
- Plug-and-screw fitting

Fixing material

For fitting to steel and concrete

Actuation:

- Manual door opening

Fixing material for multi-purpose hinged garage doors:

Prepared for fitting to:

- Flush brickwork
- Concrete
- Gas concrete
- Gas concrete slabs
- Steel columns

Performance values according to door product standard EN 13241-1

Fire-rated hinged garage doors DFT OD made of steel (see from page 59)

EL₂30

Door leaf:

- Flush, fully bonded tongue-and-groove element connection
- Galvanized sheet steel, sheet thickness 0.75 mm, standard surface finish Pearlgrain or smooth sheet steel
- Door leaf galvanized as standard, without primer coating
- Element thickness / door leaf thickness 72 mm
- Panel style connected using concealed, internal threaded rods
- Panel widths dependent on the door height: 230 – 1553 mm
- Max. individual panel weight 180 kg
- As standard with mortice lock BKS 1206 with stainless steel lock cover and lock plate
- Black UPVC lever handle set, lever height 1050 mm above FFL
- Overhead door closer Tandem TS 4000, silver-coloured

Door frame:

- Block frame 140 / 75 mm, 3-part with all-round lining groove on three sides, with insulation, sheet thickness 1.5 mm
- 2-way adjustable hinges, 260 mm, galvanized version
- Version per leaf: Up to 4 hinges, depending on the static requirements
- Stainless steel lock plate V2 A, 1.4301 with scratch-protection properties
- Plug-and-screw fitting

Fixing material

Tested and approved for fitting to concrete

Actuation:

- Manual door opening
- Door closing via overhead door closer on the hinge side

Fitting possible with:

EL₂30:

- Concrete, thickness ≥ 175 mm according to EN 1996-1-1
- Steel girders: fire-proof encased steel components, at least REI 30

Tested according to EN 13241, EN 16034

Textile curtains FlexFire E

Product description for standard equipment

Textile fire protection curtain FlexFire – E30 / E60 / E90 / E120 (see from page 60)

E30

E60

E90

E120

Textile curtain

0.5 mm thin, textile and V4A wire reinforced thermal E-glass filament fabric with silicone coating on both sides.
Weight approx. 700 g/m²

Door frame

- Closed, two-part cold-rolled and galvanized side guides 115 x 70 mm, galvanized version, optionally coated
- Standard shaft housing galvanized in two versions (small, up to 3500 mm curtain height: 250 x 283 mm; large from 3501 mm curtain height: 300 x 320 mm). Optionally coated.

Barrel

Barrel with integrated tubular drive in compact sheet steel housing

Control variations

FSA-FLEXControl (for DACH region) with DiBt approval

- Hold-open device control for holding open fire protection curtains
- Protection category IP 54, integrated acoustic signal
- Easy-to-use operating and display foil with integrated actuation button
- Connections for up to 20 smoke detectors
- Volt-free contacts for connection to an external fire alarm system
- Integrated horn
- Connecting option for additional button (Button under glass or "Open/Close" button)

FSA-FLEXeco Basis and FSA-FLEXeco Plus

- Control for holding open fire protection curtains
- Volt-free contacts for connection to an external fire alarm system
- Integrated "Open/Close" control button
- Protection category IP 54
- Evaluation of end-of-travel positions (Closed/ Open)
- Integrated horn
- Visualisation of status display (Open/ Closed/ Fire alarm)
- Connecting option for external buzzer/ flashing warning light
- Connecting option for additional "Open/ Close" button
- Integrated batteries (2 x) to hold open in the event of power failure (only for FSA-FLEXeco Plus)

Tubular drive unit

- Nominal torque 60 / 80 / 120 Nm
- Connecting voltage 230 V AC / 50 Hz
- Connected load 310 W
- Nominal power consumption: 1.4 A
- Protection category IP 44
- Emissions sound pressure level: max. 70 dB

Function description

- Opening and closing via control
- Tubular drive combined with integrated hold-open brake
- Closing without external power supply due to bottom strip weight

Fitting possible with:

- Flush brickwork, thickness ≥ 175 mm, strength class min. 12
- Concrete, thickness ≥ 140 mm, strength class min. C12 / 15
- Cladded steel supports REI 30 – REI 120
- Fire protection partition walls acc. to EN 1363-1, thickness ≥ 135 mm

Note:

Fire protection curtains E30 / E60 / E90 / E120 also achieve protection class EW20

Tested according to EN 13241, EN 16034

Textile curtains FlexFire EW

Product description for standard equipment

Textile fire protection curtains FlexFire – EW30 / EW60 (see from page 62)

EW30

EW60

Textile curtain

1.5 mm thin, textile and V4A wire reinforced thermal E-glass filament fabric with silicone coating on both sides.
Weight approx. 1700 g/m².

Door frame

- Closed, two-part cold-rolled and galvanized side guides 115 x 70 mm, galvanized version, optionally coated.
- Standard shaft housing galvanized in two versions (small, up to 3500 mm curtain height: 250 x 283 mm; large from 3501 mm curtain height: 300 x 320 mm). Optionally coated.

Barrel

Barrel with integrated tubular drive in compact sheet steel housing.

Control variations

FSA-FLEXControl (for DACH region) with DiBt approval

- Hold-open device control for holding open fire protection curtains
- Protection category IP 54, integrated acoustic signal
- Easy-to-use operating and display foil with integrated actuation button
- Connections for up to 20 smoke detectors
- Volt-free contacts for connection to an external fire alarm system.
- Integrated horn
- Connecting option for additional button (Button under glass or "Open / Close" button)

FSA-FLEXeco Basis and FSA-FLEXeco Plus

- Control for holding open fire protection curtains
- Volt-free contacts for connection to an external fire alarm system.
- Integrated "Open / Close" control button
- Protection category IP 54
- Evaluation of end-of-travel positions (Closed / Open)
- Integrated horn
- Visualisation of status display (Open / Closed / Fire alarm)
- Connecting option for external buzzer / flashing warning light
- Connecting option for additional "Open / Close" button
- Integrated batteries (2 x) to hold open in the event of power failure (only for FSA-FLEXeco Plus)

Tubular drive unit

- Nominal torque 60 / 80 / 120 Nm
- Connecting voltage 230 V AC / 50 Hz
- Connected load 310 W
- Nominal power consumption: 1.4 A
- Protection category IP 44
- Emissions sound pressure level: max. 70 dB

Function description

- Opening and closing via control
- Tubular drive combined with integrated hold-open brake
- Closing without external power supply due to bottom strip weight

Fitting possible with:

- Flush brickwork, thickness ≥ 175 mm, strength class min. 12
- Concrete, thickness ≥ 140 mm, strength class min. C12 / 15
- Cladded steel supports REI 30 – REI 120
- Fire protection partition walls acc. to EN 1363-1, thickness ≥ 135 mm

Tested according to EN 13241, EN 16034

Multi-purpose sliding door FST MZ-1 OD

Single-leaf



		1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000
Clear passage height	13000	Greater widths on request (for calculation, see page 86)																
	6000	4501	4787	5075	5362	5652	5941	6226	6517	6803	7091	7381	7664	7954	8350	8741	9138	9529
	5750	826	885	885	944	944	1003	1003	1062	1062	1121	1121	1180	1180	1239	1239	1298	1298
	5500	4348	4623	4902	5179	5456	5731	6007	6285	6561	6838	7114	7392	7669	8048	8424	8801	9177
	5250	826	826	885	885	944	944	1003	1003	1062	1062	1121	1121	1180	1180	1239	1239	1298
	5000	4195	4462	4728	4992	5258	5523	5789	6055	6321	6587	6855	7119	7383	7742	8106	8466	8828
	4750	767	826	826	885	885	944	944	1003	1003	1062	1062	1121	1121	1180	1180	1239	1239
	4500	4043	4299	4554	4805	5061	5317	5573	5823	6078	6334	6590	6841	7097	7446	7790	8131	8475
	4250	767	767	826	826	885	885	944	944	1003	1003	1062	1062	1121	1121	1180	1180	1239
	4000	3894	4132	4379	4620	4864	5107	5350	5594	5840	6080	6325	6568	6812	7138	7468	7796	8125
	3750	708	767	767	826	826	885	885	944	944	1003	1003	1062	1062	1121	1121	1180	1180
	3500	3740	3970	4202	4435	4671	4900	5134	5366	5596	5828	6061	6294	6526	6838	7151	7461	7772
	3250	708	708	767	767	826	826	885	885	944	944	1003	1003	1062	1062	1121	1121	1180
	3000	3587	3808	4030	4250	4472	4692	4913	5135	5355	5578	5798	6020	6243	6536	6830	7124	7421
	2750	649	708	708	767	767	826	826	885	885	944	944	1003	1003	1062	1062	1121	1121
	2500	3437	3643	3853	4063	4275	4485	4696	4905	5117	5326	5534	5745	5956	6236	6513	6789	7072
	2250	649	649	708	708	767	767	826	826	885	885	944	944	1003	1003	1062	1062	1121
	2000	3282	3478	3679	3879	4078	4278	4477	4676	4874	5071	5272	5471	5668	5932	6193	6455	6718
	1750	590	649	649	708	708	767	767	826	826	885	885	944	944	1003	1003	1062	1062
	1500	3243	3429	3614	3802	3986	4174	4361	4545	4733	4920	5107	5292	5479	5732	5986	6237	6491
	1250	590	590	649	649	708	708	767	767	826	826	885	885	944	944	1003	1003	1062
	1000	3198	3375	3547	3722	3897	4069	4244	4418	4591	4766	4940	5117	5289	5532	5776	6020	6258
	750	531	590	590	649	649	708	708	767	767	826	826	885	885	944	944	1003	1003
	500	3161	3321	3481	3643	3806	3968	4127	4290	4452	4614	4774	4937	5099	5331	5566	5798	6030
	250	531	531	590	590	649	649	708	708	767	767	826	826	885	885	944	944	1003
	0	3117	3267	3414	3566	3715	3862	4012	4162	4312	4460	4610	4758	4909	5130	5353	5579	5800
		472	531	531	590	590	649	649	708	708	767	767	826	826	885	885	944	944
		3076	3215	3350	3487	3626	3762	3897	4035	4172	4308	4443	4580	4715	4932	5144	5356	5574
		472	472	531	531	590	590	649	649	708	708	767	767	826	826	885	885	944
		3036	3162	3284	3407	3532	3658	3779	3907	4030	4152	4278	4403	4526	4731	4935	5139	5345
		413	472	472	531	531	590	590	649	649	708	708	767	767	826	826	885	885
		2996	3105	3218	3330	3444	3552	3665	3777	3891	4000	4113	4224	4335	4530	4727	4918	5116
		413	413	472	472	531	531	590	590	649	649	708	708	767	767	826	826	885
		2956	3053	3156	3253	3350	3451	3550	3650	3748	3846	3945	4045	4145	4330	4514	4699	4881
		354	413	413	472	472	531	531	590	590	649	649	708	708	767	767	826	826
		1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000
		Fitting area for wicket door without threshold																
		Clear passage width																

Equipment for external doors						Surcharge €
Track cover for external doors (galvanized, coated in the colour of the door leaf), up to 6000 mm width						Each 380
Locking hold-open device (article number 2036584)						Each 80
Door leaf infill with mineral wool insulation instead of honeycomb infill						Per m ² 87
Colour coating (for details, see page 64)						
Surface finish galvanized Pearlgrain or smooth galvanized sheet steel	Galvanized as standard	Primed Grey white RAL 9002 Per m ²	Preferred colours based on RAL Per m ²	RAL to choose Per m ²	Metallic colours Per m ²	Colours according to NCS Per m ²
Powder-coated door leaf	–	57	119	142	202	202
Galvanized door frame, smooth	–	93	172	208	290	290
Powder-coated door leaf and door frame	–	93	172	208	290	290
Door leaf and door frame powder-coated in different colours						Surcharge 364

Standard equipment:

- ### Optional extras:

- ▶ Door leaf weight with honeycomb infill: 30 kg/m²
- ▶ Door leaf weight with mineral wool insulation: 40 kg/m²
- ▶ Individual door set weight max. 180 kg
- ▶ Exclusive Pearlgrain surface finish

Calculation basis for direct fitting to the ceiling:

With lintel: clear passage height + lintel = MLH = ceiling height
Without lintel: clear passage height = MLH = ceiling height

Possible size range FST MZ-1 OD as an external door

With track cover and mineral wool insulation instead of honeycomb infill (note the surcharge!). Exclusively available in the colours RAL 9002, RAL 9006, RAL 9007, RAL 9010 and RAL 9016. Further light colours on request. Max. size LD 6000 x 6000 mm

Price	Smoke protection function S₂₀₀ surcharge Smoke protection only available without wicket door.	Price	Smoke protection function S₂₀₀ surcharge Smoke protection possible with wicket door, if required. Surcharge per wicket door €261 ► Max. joint length 27 m
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Door version with all-round wiper seal on 4 sides	See page 72
Wicket / escape door without threshold and equipment	See page 66
Flush-stopping multi-purpose sliding door version (without unattractive guiding profile)	See page 69
Further optional extras	See page 66 – 86

Multi-purpose sliding door FST MZ-2 OD

Double-leaf, divided symmetrically



		2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500
Clear passage height	13000	Greater widths on request (for calculation, see page 86)														
	6000	6419	6724	7030	7339	7645	7949	8257	8562	8869	9337	9804	10270	10741	11208	11675
	5750	1298	1357	1357	1416	1416	1475	1475	1534	1534	1593	1593	1652	1652	1711	1711
	5500	6327	6609	6890	7168	7452	7732	8012	8293	8574	9039	9501	9966	10431	10894	11358
	5250	1298	1298	1357	1357	1416	1416	1475	1475	1534	1534	1593	1593	1652	1652	1711
	5000	6236	6492	6747	7003	7258	7512	7767	8023	8277	8740	9201	9664	10124	10584	11044
	4750	1239	1298	1298	1357	1357	1416	1416	1475	1475	1534	1534	1593	1593	1652	1652
	4500	6143	6373	6605	6832	7063	7291	7524	7753	7983	8440	8898	9359	9817	10275	10733
	4250	1239	1239	1298	1298	1357	1357	1416	1416	1475	1475	1534	1534	1593	1593	1652
	4000	6055	6256	6460	6666	6870	7074	7278	7480	7686	8140	8596	9052	9508	9964	10423
	3750	1121	1180	1180	1239	1239	1298	1298	1357	1357	1416	1416	1475	1475	1534	1534
	3500	5961	6139	6320	6497	6676	6856	7030	7211	7391	7844	8294	8749	9202	9655	10106
	3250	1121	1121	1180	1180	1239	1239	1298	1298	1357	1357	1416	1416	1475	1475	1534
	3000	5869	6024	6176	6329	6482	6635	6788	6944	7094	7544	7994	8445	8894	9344	9792
	2750	1062	1121	1121	1180	1180	1239	1239	1298	1298	1357	1357	1416	1416	1475	1475
	2500	5779	5907	6034	6160	6289	6417	6543	6671	6801	7247	7692	8139	8586	9031	9482
	2250	1062	1062	1121	1121	1180	1180	1239	1239	1298	1298	1357	1357	1416	1416	1475
	2000	5687	5788	5889	5994	6094	6196	6300	6400	6506	6949	7392	7834	8278	8725	9167
		944	1003	1003	1062	1062	1121	1121	1180	1180	1239	1239	1298	1298	1357	1357
		5598	5696	5794	5889	5989	6083	6182	6280	6376	6777	7173	7573	7973	8368	8770
		944	944	1003	1003	1062	1062	1121	1121	1180	1180	1239	1239	1298	1298	1357
		5514	5604	5696	5788	5881	5971	6065	6157	6250	6605	6958	7313	7663	8019	8372
		885	944	944	1003	1003	1062	1062	1121	1121	1180	1180	1239	1239	1298	1298
		5425	5514	5598	5687	5775	5862	5948	6036	6124	6433	6742	7048	7355	7664	7977
		885	885	944	944	1003	1003	1062	1062	1121	1121	1180	1180	1239	1239	1298
		5338	5419	5503	5584	5665	5748	5834	5913	5995	6258	6522	6786	7050	7315	7576
		767	826	826	885	885	944	944	1003	1003	1062	1062	1121	1121	1180	1180
		5250	5326	5405	5483	5558	5637	5715	5793	5868	6086	6306	6523	6744	6961	7178
		767	767	826	826	885	885	944	944	1003	1003	1062	1062	1121	1121	1180
		5163	5234	5308	5381	5454	5524	5596	5668	5740	5916	6088	6260	6438	6609	6783
		708	767	767	826	826	885	885	944	944	1003	1003	1062	1062	1121	1121
		5075	5143	5210	5278	5346	5412	5481	5547	5614	5744	5872	5999	6130	6256	6385
		708	708	767	767	826	826	885	885	944	944	1003	1003	1062	1062	1121
		4988	5052	5116	5176	5237	5302	5362	5426	5488	5574	5657	5736	5819	5907	5990
		590	649	649	708	708	767	767	826	826	885	885	944	944	1003	1003

Fitting area for wicket door **without** threshold

Clear passage width

Equipment for external doors						Surcharge €
Track cover for external doors (galvanized, coated in the colour of the door leaf), up to 6000 mm width						Each 380
Locking hold-open device (article number 2036584)						Each 80
Door leaf infill with mineral wool insulation instead of honeycomb infill						Per m ² 87
Colour coating (for details, see page 64)						
Surface finish galvanized Pearlgrain or smooth galvanized sheet steel	Galvanized as standard	Primed Grey white RAL 9002 Per m ²	Preferred colours based on RAL Per m ²	RAL to choose Per m ²	Metallic colours Per m ²	Colours according to NCS Per m ²
Powder-coated door leaf	–	57	119	142	202	202
Galvanized door frame, smooth	–	93	172	208	290	290
Powder-coated door leaf and door frame	–	93	172	208	290	290
Door leaf and door frame powder-coated in different colours						Surcharge 364

Steel multi-purpose sliding door

Standard equipment:

- Product description for standard equipment, see page 2

Optional extras:

- Escape and wicket door (without / with threshold) from page 66
- Glazing see page 70
- Recess and ceiling flaps from page 82

- Door leaf weight with honeycomb infill: 30 kg/m²
- Door leaf weight with mineral wool insulation: 40 kg/m²
- Individual door set weight max. 180 kg
- Exclusive Pearlgrain surface finish

Calculation basis for direct fitting to the ceiling:

With lintel: clear passage height + lintel = MLH = ceiling height
Without lintel: clear passage height = MLH = ceiling height

5500	5750	6000	6250	6500	6750	7000	7250	7500	7750	8000	8250	8500	15000		
Greater widths on request (for calculation, see page 86)														13000	Clear passage height Fitting area for wicket door without threshold
	12140	12608	12887	13167	13446	13727	14007	14287	14565	14844	15124	15404		6000	
	1770	1770	1829	1829	1888	1888								5750	
	11824	12287	12543	12798	13053	13305	13561	13815	14072	14326	14580	14834		5500	
	1711	1770	1770	1829	1829	1888								5250	
	11506	11970	12199	12429	12656	12887	13116	13348	13575	13806	14034	14263		5000	
	1711	1711	1770	1770	1829	1829								4750	
	11191	11647	11855	12057	12264	12467	12671	12877	13082	13286	13490	13692		4500	
	1652	1711	1711	1770	1770	1829								4250	
	10878	11332	11509	11691	11869	12047	12229	12408	12586	12764	12945	13124		4000	
	1593	1593	1652	1652	1711	1711								3750	
	10559	11013	11167	11322	11474	11629	11784	11938	12090	12247	12401	12554		3500	
	1534	1593	1593	1652	1652	1711								3250	
	10242	10692	10821	10952	11081	11210	11338	11469	11597	11725	11857	11983		3000	
	1534	1534	1593	1593	1652	1652								2750	
	9929	10373	10480	10583	10687	10792	10891	10998	11101	11209	11309	11413		2500	
	1475	1534	1534	1593	1593	1652								2250	
	9610	10058	10133	10214	10294	10370	10448	10530	10608	10687	10766	10845		2100	
	1416	1416	1475	1475	1534	1534								2000	
	9168	9566	9659	9753	9846	9939	10033	10127	10220	10313	10404	10501			
	1357	1416	1416	1475	1475	1534									
	8726	9080	9191	9295	9404	9512	9616	9726	9834	9941	10048	10157			
	1357	1357	1416	1416	1475	1475									
	8284	8592	8715	8838	8957	9080	9203	9326	9449	9568	9690	9814			
	1298	1357	1357	1416	1416	1475									
	7842	8105	8242	8377	8516	8651	8786	8924	9061	9198	9335	9469			
	1239	1239	1298	1298	1357	1357									
	7398	7618	7767	7919	8070	8219	8371	8523	8673	8825	8973	9127			
	1180	1239	1239	1298	1298	1357									
	6956	7130	7295	7460	7624	7792	7954	8122	8287	8450	8618	8783			
	1180	1180	1239	1239	1298	1298									
	6514	6642	6819	7003	7180	7362	7540	7719	7903	8078	8260	8440			
	1121	1180	1180	1239	1239	1298									
	6073	6155	6349	6542	6737	6931	7124	7322	7514	7709	7903	8097			
	1062	1062	1121	1121	1180	1180									
5500	5750	6000	6250	6500	6750	7000	7250	7500	7750	8000	8250	8500	15000		
Fitting area for wicket door without threshold															
Clear passage width															

Possible size range FST MZ-2 OD as an external door

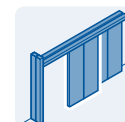
With track cover and mineral wool insulation instead of honeycomb infill (note the surcharge!). Exclusively available in the colours RAL 9002, RAL 9006, RAL 9007, RAL 9010 and RAL 9016. Further light colours on request. Max. size LD 6000 x 6000 mm

Price	Smoke protection function S₂₀₀ surcharge Smoke protection only available without wicket door.	Price	Smoke protection function S₂₀₀ surcharge Smoke protection possible with wicket door, if required. Surcharge per wicket door €261 ► Max. joint length 27 m
Note: For versions with smoke protection, the door leaf must have mineral wool insulation. Note the surcharge.			

Door version with all-round wiper seal on 4 sides	See page 72
Wicket / escape door without threshold and equipment	See page 66
Further optional extras	See page 66 – 86

Telescopic multi-purpose sliding door FST MZ-1 T2 OD

Single-leaf, 2-part (T2)



		2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500
		Greater widths on request (for calculation, see page 86)														
Clear passage height	9000	8675	9090	9504	9919	10333	10746	11159	11572	11988	12620	13252	13882	14514	15145	15775
	8750	8597	9011	9417	9830	10242	10652	11062	11469	11884	12507	13135	13759	14385	15012	15637
	8500	8504	8913	9315	9723	10131	10536	10942	11344	11755	12371	12993	13609	14229	14849	15466
	8250	8430	8832	9233	9633	10042	10441	10842	11245	11649	12262	12877	13489	14102	14718	15330
	8000	8338	8736	9133	9528	9932	10328	10724	11122	11523	12129	12736	13343	13949	14558	15163
	7750	8265	8657	9052	9445	9845	10237	10629	11024	11421	12021	12624	13223	13824	14429	15028
	7500	8175	8563	8953	9342	9738	10126	10514	10904	11297	11890	12487	13079	13674	14272	14864
	7250	8101	8487	8874	9260	9648	10037	10422	10807	11195	11781	12375	12963	13554	14147	14733
	7000	8013	8395	8778	9159	9543	9927	10309	10689	11073	11653	12241	12822	13407	13993	14573
	6750	7940	8318	8700	9080	9459	9837	10215	10595	10974	11550	12132	12709	13289	13866	14446
	6500	7854	8228	8606	8981	9356	9730	10104	10480	10855	11425	12000	12571	13144	13716	14289
	6250	7785	8157	8529	8902	9271	9644	10015	10388	10762	11327	11892	12459	13028	13594	14161
	6000	7701	8068	8436	8805	9170	9539	9906	10275	10645	11204	11762	12323	12886	13446	14007
	5750	7593	7927	8264	8602	8938	9277	9611	9950	10288	10845	11403	11959	12514	13075	13631
	5500	7480	7790	8095	8401	8707	9012	9320	9625	9932	10485	11039	11595	12147	12701	13252
	5250	7370	7647	7923	8199	8475	8751	9026	9301	9576	10127	10679	11228	11779	12327	12878
	5000	7263	7510	7752	7996	8242	8488	8730	8975	9222	9769	10315	10862	11410	11957	12503
	4750	7153	7364	7581	7795	8007	8223	8439	8653	8867	9411	9954	10498	11039	11584	12128
	4500	7043	7227	7411	7595	7776	7962	8142	8327	8513	9051	9592	10132	10672	11211	11750
	4250	6932	7086	7237	7392	7544	7698	7851	8002	8156	8693	9228	9767	10304	10837	11376
	4000	6821	6946	7065	7191	7314	7435	7556	7679	7802	8333	8868	9401	9934	10466	10999
	3750	6718	6833	6951	7065	7185	7300	7418	7534	7650	8127	8611	9085	9566	10043	10521
	3500	6612	6723	6833	6946	7057	7166	7276	7388	7497	7922	8350	8771	9198	9619	10044
	3250	6509	6612	6718	6821	6929	7030	7137	7241	7344	7717	8087	8459	8828	9198	9568
	3000	6403	6506	6602	6699	6801	6896	6999	7094	7194	7511	7826	8141	8461	8775	9090
	2750	6300	6393	6484	6578	6671	6762	6857	6949	7042	7304	7565	7829	8092	8353	8616
	2500	6193	6281	6368	6454	6540	6627	6717	6802	6890	7096	7306	7514	7721	7930	8137
	2250	6088	6171	6251	6332	6412	6494	6576	6655	6737	6891	7044	7197	7352	7510	7659
	2000	5986	6060	6135	6211	6285	6360	6435	6511	6585	6684	6784	6885	6983	7086	7185
		2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500
		Fitting area for wicket door without threshold														
		Clear passage width														

Colour coating (for details, see page 64)

Surface finish galvanized Pearlgrain or smooth galvanized sheet steel	Galvanized as standard	Primed Grey white RAL 9002 Per m ²	Preferred colours based on RAL Per m ²	RAL to choose Per m ²	Metallic colours Per m ²	Colours according to NCS Per m ²
Powder-coated door leaf	–	57	119	142	202	202
Galvanized door frame, smooth	–	93	172	208	290	290
Powder-coated door leaf and door frame	–	93	172	208	290	290
Door leaf and door frame powder-coated in different colours					Surcharge	364

2-part telescopic steel multi-purpose sliding door

Standard equipment:

- Product description for standard equipment, see page 2

Optional extras:

- Escape and wicket door (without / with threshold) from page 66
- Glazing see page 70
- Recess and ceiling flaps from page 82

- ▶ Door leaf weight with honeycomb infill: 30 kg/m²
- ▶ Door leaf weight with mineral wool insulation: 40 kg/m²
- ▶ Individual door set weight max. 180 kg
- ▶ Exclusive Pearlgrain surface finish

Calculation basis for direct fitting to the ceiling:

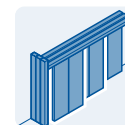
With lintel: clear passage height + lintel = MLH = ceiling height
Without lintel: clear passage height = MLH = ceiling height

5500	5750	6000	6250	6500	6750	7000	7250	7500	7750	8000	8250	8500	15000
Greater widths on request (for calculation, see page 86)													12000
	16409	17039	17418	17796	18174	18552	18930	19309	19683	20063	20441	20816	9000
	16262	16889	17263	17639	18012	18385	18761	19138	19511	19885	20262	20633	8750
	16085	16705	17076	17447	17816	18185	18557	18930	19299	19669	20042	20408	8500
	15945	16555	16925	17293	17658	18025	18392	18761	19128	19494	19864	20229	8250
	15772	16375	16741	17105	17466	17829	18192	18557	18920	19282	19648	20009	8000
	15633	16231	16591	16955	17313	17672	18031	18394	18751	19114	19474	19829	7750
	15463	16054	16410	16771	17125	17480	17835	18194	18547	18906	19262	19614	7500
	15326	15912	16264	16619	16972	17326	17678	18033	18383	18739	19092	19441	7250
	15159	15739	16087	16438	16787	17137	17486	17836	18183	18535	18884	19230	7000
	15022	15600	15948	16293	16637	16984	17332	17678	18022	18371	18718	19060	6750
	14859	15430	15774	16115	16456	16800	17143	17486	17826	18171	18514	18853	6500
	14727	15293	15634	15972	16313	16652	16991	17333	17667	18008	18348	18686	6250
	14567	15126	15464	15798	16136	16471	16806	17145	17475	17812	18149	18483	6000
	14187	14746	15050	15354	15661	15966	16272	16579	16885	17187	17497	17800	5750
	13808	14363	14638	14910	15188	15464	15739	16015	16290	16566	16842	17115	5500
	13431	13978	14224	14469	14716	14962	15205	15451	15695	15941	16187	16433	5250
	13050	13596	13811	14028	14241	14455	14672	14888	15102	15317	15533	15748	5000
	12670	13213	13399	13582	13767	13953	14141	14324	14508	14695	14879	15062	4750
	12290	12832	12986	13141	13295	13448	13605	13759	13915	14072	14224	14381	4500
	11911	12449	12572	12698	12822	12946	13073	13200	13318	13446	13570	13693	4250
	11531	12065	12162	12253	12347	12441	12539	12632	12726	12822	12916	13013	4000
	11001	11480	11593	11702	11816	11928	12041	12150	12264	12375	12488	12600	3750
	10471	10893	11024	11154	11280	11412	11543	11672	11799	11929	12057	12187	3500
	9937	10310	10456	10603	10748	10894	11041	11188	11334	11483	11628	11775	3250
	9410	9725	9887	10052	10216	10380	10544	10706	10875	11034	11199	11361	3000
	8878	9139	9320	9501	9683	9865	10044	10227	10404	10590	10770	10950	2750
	8348	8554	8754	8951	9149	9347	9547	9744	9945	10141	10339	10537	2500
	7815	7970	8185	8401	8617	8830	9047	9263	9479	9694	9910	10126	2250
	7284	7386	7618	7850	8081	8317	8550	8781	9014	9246	9482	9713	2000
5500	5750	6000	6250	6500	6750	7000	7250	7500	7750	8000	8250	8500	15000
Fitting area for wicket door without threshold													2100
Clear passage width													
Greater heights on request (for calculation, see page 86)													Clear passage height
Fitting area for wicket door without threshold													

Door leaf surface finishes		Surcharge €
Pearlgrain, galvanized (standard)		No surcharge
Smooth sheet steel, galvanized	Surcharge flat rate	136
Stainless steel sheet V2 A, 1.4301, K240 polished, smooth	Table price × 2.5	
Door leaf infill with mineral wool insulation instead of honeycomb infill	Per m ²	87
Track panel		Price reduction €
Omission of track panel	Price reduction	226
Wicket / escape door without threshold and equipment		See page 66
Flush-stopping multi-purpose sliding door version (without unattractive guiding profile)		See page 69
Further optional extras		See page 66 – 86

Telescopic multi-purpose sliding door FST MZ-1 T3 OD

Single-leaf, 3-part (T3)



		2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500
		Greater widths on request (for calculation, see page 86)														
Clear passage height	12000															
	9000	10842	11362	11882	12396	12917	13432	13948	14465	14986	15774	16566	17351	18144	18932	19719
	8750	10746	11262	11771	12284	12800	13313	13824	14337	14852	15634	16420	17196	17982	18763	19545
	8500	10629	11140	11643	12150	12661	13168	13674	14181	14691	15464	16241	17009	17786	18559	19332
	8250	10538	11038	11540	12042	12552	13052	13552	14053	14561	15327	16097	16860	17626	18395	19162
	8000	10423	10918	11415	11911	12415	12910	13404	13900	14402	15160	15922	16677	17435	18195	18953
	7750	10328	10822	11313	11806	12304	12795	13285	13779	14272	15025	15780	16529	17280	18034	18784
	7500	10216	10704	11190	11677	12170	12656	13141	13629	14117	14861	15608	16349	17092	17838	18579
	7250	10127	10609	11091	11575	12061	12544	13024	13509	13993	14727	15469	16203	16942	17680	18416
	7000	10016	10493	10970	11449	11929	12408	12882	13362	13841	14567	15301	16026	16758	17487	18215
	6750	9926	10399	10877	11349	11825	12297	12769	13243	13718	14439	15163	15885	16611	17333	18055
	6500	9818	10286	10758	11225	11696	12163	12630	13099	13569	14282	14998	15713	16430	17145	17859
	6250	9731	10198	10660	11125	11590	12056	12517	12983	13448	14158	14865	15573	16285	16992	17700
	6000	9625	10087	10544	11004	11464	11924	12381	12842	13301	14004	14703	15404	16108	16807	17507
	5750	9489	9907	10328	10749	11172	11594	12013	12435	12858	13554	14251	14947	15643	16343	17037
	5500	9350	9734	10117	10500	10883	11265	11649	12029	12415	13105	13800	14494	15182	15876	16566
	5250	9213	9558	9902	10246	10594	10938	11280	11623	11971	12657	13348	14033	14722	15409	16098
	5000	9078	9385	9688	9993	10299	10608	10911	11218	11526	12209	12893	13577	14260	14944	15628
	4750	8939	9203	9478	9743	10010	10280	10546	10816	11085	11762	12441	13123	13800	14479	15159
	4500	8803	9031	9262	9491	9721	9950	10178	10408	10642	11313	11988	12662	13340	14012	14685
	4250	8666	8854	9046	9237	9429	9621	9814	10005	10196	10866	11534	12206	12877	13546	14219
	4000	8527	8681	8832	8990	9142	9291	9444	9598	9752	10416	11086	11751	12416	13079	13749
	3750	8395	8544	8690	8832	8981	9125	9272	9416	9565	10160	10761	11356	11957	12552	13152
	3500	8265	8404	8544	8681	8820	8956	9093	9233	9371	9901	10434	10964	11496	12025	12554
	3250	8135	8265	8395	8527	8661	8786	8922	9051	9179	9646	10107	10572	11033	11496	11959
	3000	8002	8129	8252	8373	8499	8619	8746	8867	8992	9388	9782	10177	10574	10968	11362
	2750	7874	7989	8106	8222	8338	8455	8567	8685	8800	9129	9455	9785	10113	10441	10767
	2500	7742	7850	7959	8067	8176	8284	8393	8501	8612	8868	9133	9390	9652	9914	10171
	2250	7613	7713	7814	7914	8014	8115	8216	8319	8419	8613	8805	8997	9191	9385	9573
	2000	7480	7573	7665	7760	7854	7949	8042	8136	8228	8355	8478	8603	8729	8854	8981
		2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500
		Clear passage width														

Colour coating (for details, see page 64)

Surface finish galvanized Pearlgrain or smooth galvanized sheet steel	Galvanized as standard	Primed Grey white RAL 9002 Per m ²	Preferred colours based on RAL Per m ²	RAL to choose Per m ²	Metallic colours Per m ²	Colours according to NCS Per m ²
Powder-coated door leaf	–	57	119	142	202	202
Galvanized door frame, smooth	–	93	172	208	290	290
Powder-coated door leaf and door frame	–	93	172	208	290	290
Door leaf and door frame powder-coated in different colours					Surcharge	364

3-part telescopic steel multi-purpose sliding door

Standard equipment:

- Product description for standard equipment, see page 2

Optional extras:

- Escape and wicket door (without / with threshold) from page 66
- Glazing see page 70
- Recess and ceiling flaps from page 82

- ▶ Door leaf weight with honeycomb infill: 30 kg/m²
- ▶ Door leaf weight with mineral wool insulation: 40 kg/m²
- ▶ Individual door set weight max. 180 kg
- ▶ Exclusive Pearlgrain surface finish

Calculation basis for direct fitting to the ceiling:

With lintel: clear passage height + lintel = MLH = ceiling height
Without lintel: clear passage height = MLH = ceiling height

5500	5750	6000	6250	6500	6750	7000	7250	7500	7750	8000	8250	8500	15000
Greater widths on request (for calculation, see page 86)													12000
	20510	21298	21770	22245	22715	23188	23660	24135	24603	25080	25551	26020	9000
	20332	21110	21577	22048	22516	22982	23452	23921	24386	24857	25327	25791	8750
	20111	20880	21342	21808	22271	22732	23197	23660	24121	24587	25051	25511	8500
	19930	20694	21156	21615	22072	22530	22990	23452	23909	24369	24829	25286	8250
	19713	20468	20925	21380	21832	22285	22740	23197	23649	24103	24559	25011	8000
	19540	20286	20737	21191	21640	22091	22539	22993	23437	23891	24343	24789	7750
	19327	20066	20511	20960	21405	21850	22293	22743	23182	23632	24078	24519	7500
	19157	19889	20333	20774	21215	21656	22098	22541	22978	23423	23864	24301	7250
	18948	19673	20112	20548	20984	21420	21858	22296	22728	23168	23604	24037	7000
	18777	19499	19933	20366	20798	21229	21664	22098	22527	22961	23393	23825	6750
	18573	19287	19717	20145	20571	20998	21429	21858	22282	22711	23138	23566	6500
	18408	19116	19543	19966	20389	20813	21238	21666	22084	22508	22933	23356	6250
	18208	18908	19330	19749	20167	20586	21007	21430	21844	22263	22684	23102	6000
	17733	18431	18812	19193	19576	19955	20340	20721	21105	21481	21868	22250	5750
	17260	17952	18296	18637	18981	19330	19673	20015	20360	20707	21051	21392	5500
	16786	17472	17782	18086	18392	18700	19006	19311	19619	19926	20234	20539	5250
	16309	16997	17263	17534	17801	18069	18337	18610	18878	19144	19415	19683	5000
	15837	16516	16748	16979	17207	17441	17674	17904	18134	18370	18599	18828	4750
	15364	16040	16230	16424	16619	16810	17007	17200	17392	17588	17782	17974	4500
	14889	15559	15715	15871	16026	16184	16340	16497	16646	16807	16960	17117	4250
	14415	15084	15200	15316	15433	15552	15672	15789	15907	16026	16143	16265	4000
	13751	14348	14490	14627	14767	14909	15049	15188	15328	15468	15610	15748	3750
	13089	13616	13778	13940	14102	14264	14426	14589	14749	14910	15069	15233	3500
	12423	12886	13069	13251	13436	13618	13801	13984	14169	14354	14534	14718	3250
	11760	12154	12359	12567	12769	12974	13180	13382	13590	13793	13999	14200	3000
	11097	11421	11649	11874	12103	12327	12554	12783	13006	13237	13461	13687	2750
	10432	10690	10943	11188	11437	11683	11932	12178	12429	12675	12923	13169	2500
	9767	9960	10231	10500	10770	11038	11307	11578	11847	12116	12388	12656	2250
	9106	9231	9519	9813	10101	10394	10685	10975	11267	11558	11849	12140	2000
Greater heights on request (for calculation, see page 86)													2100
Fitting area for wicket door without threshold													
Clear passage width													Clear passage height
Fitting area for wicket door without threshold													
5500	5750	6000	6250	6500	6750	7000	7250	7500	7750	8000	8250	8500	15000

Door leaf surface finishes		Surcharge €
Pearlgrain, galvanized (standard)		No surcharge
Smooth sheet steel, galvanized		Surcharge flat rate 136
Stainless steel sheet V2 A, 1.4301, K240 polished, smooth		Table price × 2.5
Door leaf infill with mineral wool insulation instead of honeycomb infill		Per m ² 87
Track panel		Price reduction €
Omission of track panel		Price reduction 226
Wicket / escape door without threshold and equipment		See page 66
Flush-stopping multi-purpose sliding door version (without unattractive guiding profile)		See page 69
Further optional extras		See page 66 – 86

Fire sliding door FST 30-1 OD

Single-leaf



EL₂30

		1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000
Clear passage height	8750	See the product configurator for greater widths (max. width 12000 mm)																
	6000	7382	7851	8323	8798	9271	9742	10212	10685	11156	11628	12101	12573	13046	13692	14338	14985	15631
		826	885	885	944	944	1003	1003	1062	1062	1121	1121	1180	1180	1239	1239	1298	1298
	5750	7130	7585	8037	8493	8945	9401	9855	10309	10762	11215	11671	12123	12576	13200	13818	14438	15055
		826	826	885	885	944	944	1003	1003	1062	1062	1121	1121	1180	1180	1239	1239	1298
	5500	6883	7318	7752	8186	8623	9059	9496	9930	10367	10801	11239	11675	12109	12701	13295	13886	14479
		767	826	826	885	885	944	944	1003	1003	1062	1062	1121	1121	1180	1180	1239	1239
	5250	6630	7048	7466	7884	8299	8719	9137	9556	9973	10390	10805	11224	11642	12204	12772	13336	13900
		767	767	826	826	885	885	944	944	1003	1003	1062	1062	1121	1121	1180	1180	1239
	5000	6379	6779	7177	7575	7979	8376	8775	9175	9575	9975	10373	10772	11174	11707	12251	12788	13326
		708	767	767	826	826	885	885	944	944	1003	1003	1062	1062	1121	1121	1180	1180
	4750	6132	6511	6894	7271	7655	8036	8416	8799	9178	9563	9941	10323	10703	11215	11726	12237	12748
		708	708	767	767	826	826	885	885	944	944	1003	1003	1062	1062	1121	1121	1180
	4500	5881	6245	6605	6970	7333	7693	8058	8419	8783	9147	9508	9871	10237	10721	11204	11687	12172
		649	708	708	767	767	826	826	885	885	944	1003	1003	1062	1062	1121	1121	1180
	4250	5631	5973	6320	6664	7009	7353	7699	8043	8388	8735	9079	9423	9767	10226	10683	11139	11595
		649	649	708	708	767	767	826	826	885	885	944	1003	1003	1062	1062	1121	1180
	4000	5381	5706	6032	6360	6686	7013	7339	7663	7993	8319	8643	8972	9302	9729	10158	10590	11021
		590	649	649	708	708	767	767	826	826	885	885	944	944	1003	1003	1062	1062
	3750	5313	5621	5926	6232	6536	6841	7151	7457	7761	8068	8373	8681	8988	9403	9816	10230	10645
		590	590	649	649	708	708	767	767	826	826	885	885	944	944	1003	1003	1062
	3500	5243	5532	5817	6103	6388	6674	6960	7245	7532	7817	8102	8388	8673	9075	9470	9868	10266
		531	590	590	649	649	708	708	767	767	826	826	885	885	944	944	1003	1003
	3250	5180	5443	5709	5973	6241	6506	6771	7033	7300	7566	7830	8096	8361	8742	9123	9507	9892
		531	531	590	590	649	649	708	708	767	767	826	826	885	885	944	944	1003
	3000	5116	5356	5601	5848	6089	6335	6581	6824	7072	7314	7560	7804	8050	8414	8780	9148	9513
		472	531	531	590	590	649	649	708	708	767	767	826	826	885	885	944	944
	2750	5047	5271	5494	5719	5943	6167	6390	6612	6836	7062	7289	7510	7735	8085	8436	8785	9139
		472	472	531	531	590	590	649	649	708	708	767	767	826	826	885	885	944
	2500	4979	5181	5385	5588	5794	5996	6199	6405	6606	6812	7014	7220	7421	7757	8093	8430	8764
		413	472	472	531	531	590	590	649	649	708	708	767	767	826	826	885	885
	2250	4912	5092	5278	5463	5642	5825	6009	6191	6376	6562	6744	6926	7109	7427	7748	8066	8386
		413	413	472	472	531	531	590	590	649	649	708	708	767	767	826	826	885
	2000	4845	5007	5170	5332	5495	5658	5819	5984	6145	6310	6471	6635	6798	7099	7402	7708	8011
		354	413	413	472	472	531	531	590	590	649	649	708	708	767	767	826	826

Fitting area for wicket door **without** threshold

Clear passage width

Door leaf versions	Surcharge €
Pearlgrain, galvanized (standard)	No surcharge
Smooth sheet steel, galvanized	Surcharge flat rate 136
Stainless steel sheet V2 A, 1.4301, K240 polished, smooth	Table price x 2.5
Omission of track panel	Price reduction 226
Colour coating	see page 64
Flush-stopping fire sliding door version (without unattractive guiding profile)	See page 69
Door version with all-round wiper seal on 3 sides or 4 sides on the door leaf	See page 72

Steel fire sliding door EI₂30

- Tested in accordance with EN 13241 and EN 16034

Standard equipment:

- Product description for standard equipment, see page 3

Optional extras:

- Escape and wicket door (without / with threshold) from page 66
- Fire-resistant glazing, see page 70
- Recess and ceiling flaps from page 82

- Door leaf weight: 40 kg/m²
- Individual door set weight max. 180 kg
- Exclusive Pearlgrain surface finish

The prices do **not** include the hold-open device, including 1 magnet and 1 telescopic anchor.
The stated surcharges for smoke protection are for doors **without** wicket door.

Calculation basis for direct fitting to the ceiling:

With lintel: clear passage height + lintel = MLH = ceiling height
Without lintel: clear passage height = MLH = ceiling height

5000	5250	5500	5750	6000	6250	6500	6750	7000	7250	7500	7750	8000	8250	8500	12000	
See the product configurator for greater widths (max. width 12000 mm)																8750
	16279	16925	17571	18219	19260	20296	21332	22373	23411	24450	25489	26527	27565	28603		6000
	1357	1357	1416	1416	1475	1475	1534	1534								5750
	15676	16296	16915	17533	18483	19430	20381	21327	22277	23226	24175	25121	26072	27021		5500
	1298	1357	1357	1416	1416	1475	1475	1534								5250
	15069	15662	16256	16852	17711	18566	19425	20284	21142	22002	22862	23721	24580	25437		5000
	1298	1298	1357	1357	1416	1416	1475	1475								4750
	14466	15032	15597	16164	16933	17701	18470	19242	20009	20778	21549	22317	23086	23855		4500
	1239	1298	1298	1357	1357	1416	1416	1475								4250
	13862	14403	14942	15477	16156	16838	17517	18199	18878	19555	20235	20915	21593	22275		4000
	1239	1239	1298	1298	1357	1357	1416	1416								3750
	13262	13769	14280	14794	15382	15971	16561	17152	17740	18330	18923	19512	20101	20691		3500
	1180	1239	1239	1298	1298	1357	1357	1416								3250
	12656	13138	13624	14107	14608	15106	15608	16109	16606	17107	17609	18109	18610	19109		3000
	1180	1180	1239	1239	1298	1298	1357	1357								2750
	12052	12508	12964	13426	13832	14244	14654	15064	15474	15883	16296	16704	17115	17528		2500
	1121	1180	1180	1239	1239	1298	1298	1357								2250
	11447	11877	12308	12736	13057	13377	13699	14019	14339	14664	14981	15302	15622	15943		2000
	1121	1121	1180	1180	1239	1239	1298	1298								
	11057	11469	11887	12297	12625	12950	13276	13600	13926	14253	14579	14905	15231	15554		
	1062	1121	1121	1180	1180	1239	1239	1298								
	10664	11062	11461	11859	12190	12521	12849	13182	13515	13847	14176	14505	14834	15168		
	1062	1062	1121	1121	1180	1180	1239	1239								
	10273	10657	11038	11418	11756	12090	12428	12762	13099	13436	13769	14106	14442	14777		
	1003	1062	1062	1121	1121	1180	1180	1239								
	9878	10246	10613	10979	11323	11666	12003	12345	12686	13024	13365	13708	14046	14390		
	1003	1003	1062	1062	1121	1121	1180	1180								
	9491	9839	10191	10541	10888	11233	11580	11924	12270	12618	12961	13308	13655	14003		
	944	1003	1003	1062	1062	1121	1121	1180								
	9096	9430	9767	10102	10452	10803	11155	11506	11858	12207	12559	12910	13262	13611		
	944	944	1003	1003	1062	1062	1121	1121								
	8704	9024	9344	9664	10019	10374	10732	11087	11442	11796	12154	12511	12868	13221		
	885	944	944	1003	1003	1062	1062	1121								
	8314	8617	8919	9224	9585	9947	10309	10665	11029	11392	11754	12113	12472	12836		
	885	885	944	944	1003	1003	1062	1062								
5000	5250	5500	5750	6000	6250	6500	6750	7000	7250	7500	7750	8000	8250	8500	12000	
Fitting area for wicket door without threshold																
Clear passage width																

Price

Smoke protection function S₂₀₀ surcharge
Smoke protection only available without wicket door.

Price

Smoke protection function S₂₀₀ surcharge
Smoke protection possible with wicket door, if required.
Surcharge per wicket door €261
► Max. joint length 27 m

Wicket / escape door without threshold and equipment	See page 66
Hold-open devices	See page 84
Further optional extras	See page 66 – 86

Fire sliding door FST 30-2 OD

Double-leaf, divided symmetrically



EL₂30

		1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250
Clear passage height	8680	See the product configurator for greater widths (max. width 12000 mm)															
	6000	10175 1239	10278 1298	10527 1298	11029 1357	11530 1357	12036 1416	12538 1416	13039 1475	13542 1475	14043 1534	14550 1534	15315 1593	16080 1593	16851 1652	17615 1652	18380 1711
	5750	10025 1239	10126 1239	10377 1298	10837 1298	11299 1357	11760 1357	12221 1416	12682 1416	13141 1475	13603 1475	14061 1534	14825 1534	15587 1593	16348 1593	17108 1652	17874 1652
	5500	9877 1180	9977 1239	10227 1239	10647 1298	11062 1298	11483 1357	11902 1357	12320 1416	12738 1416	13158 1475	13576 1475	14334 1534	15091 1534	15849 1593	16605 1593	17362 1652
	5250	9731 1180	9829 1180	10077 1239	10452 1239	10830 1298	11208 1298	11587 1357	11961 1357	12340 1416	12716 1416	13092 1475	13847 1475	14595 1534	15349 1534	16104 1593	16855 1593
	5000	9587 1062	9684 1121	9927 1121	10260 1180	10596 1180	10933 1239	11267 1239	11603 1298	11938 1298	12270 1357	12606 1357	13355 1416	14102 1416	14849 1475	15597 1475	16343 1534
	4750	9445 1062	9541 1062	9778 1121	10069 1121	10362 1180	10657 1180	10949 1239	11244 1239	11533 1298	11829 1298	12119 1357	12866 1357	13605 1416	14348 1416	15092 1475	15836 1475
	4500	9306 1003	9400 1062	9627 1062	9876 1121	10127 1121	10380 1180	10629 1180	10881 1239	11132 1239	11383 1298	11634 1298	12374 1357	13110 1357	13852 1416	14589 1416	15326 1475
	4250	9168 1003	9261 1003	9478 1062	9684 1062	9895 1121	10103 1121	10314 1180	10521 1180	10732 1239	10943 1239	11151 1298	11885 1298	12618 1357	13353 1357	14085 1416	14818 1416
	4000	9033 885	9124 944	9326 944	9494 1003	9659 1003	9828 1062	9993 1062	10161 1121	10329 1121	10498 1180	10664 1180	11395 1239	12120 1239	12848 1298	13577 1298	14308 1357
	3750	8899 885	8989 885	9182 944	9341 944	9501 1003	9659 1003	9819 1062	9979 1062	10139 1121	10298 1121	10458 1180	11112 1180	11766 1239	12423 1239	13075 1298	13727 1298
	3500	8768 826	8856 885	9040 885	9192 944	9341 944	9494 1003	9645 1003	9793 1062	9947 1062	10097 1121	10247 1121	10830 1180	11411 1180	11990 1239	12571 1239	13152 1298
	3250	8638 826	8726 826	8897 885	9040 885	9182 944	9326 944	9469 1003	9610 1003	9754 1062	9897 1062	10042 1121	10545 1121	11053 1180	11559 1180	12070 1239	12573 1239
	3000	8511 708	8597 767	8754 767	8888 826	9021 826	9158 885	9290 885	9428 944	9565 944	9696 1003	9833 1003	10265 1062	10696 1062	11129 1121	11563 1121	11996 1180
	2750	8385 708	8470 708	8611 767	8736 767	8860 826	8992 826	9116 885	9245 885	9370 944	9498 944	9625 1003	9984 1003	10340 1062	10697 1062	11060 1121	11417 1121
	2500	8261 649	8344 708	8468 708	8584 767	8704 767	8825 826	8941 826	9061 885	9178 885	9301 944	9416 944	9700 1003	9986 1003	10270 1062	10556 1062	10839 1121
	2250	8139 649	8221 649	8322 708	8435 708	8547 767	8656 767	8766 826	8878 826	8990 885	9096 885	9206 944	9419 944	9630 1003	9839 1003	10050 1062	10260 1062
	2000	8019 531	8100 590	8181 590	8282 649	8386 649	8489 708	8589 708	8693 767	8798 767	8899 826	9000 826	9139 885	9275 885	9410 944	9546 944	9684 1003

Fitting area for wicket door **without** threshold

Clear passage width

Door leaf versions	Surcharge €
Pearlgrain, galvanized (standard)	No surcharge
Smooth sheet steel, galvanized	Surcharge flat rate 136
Stainless steel sheet V2 A, 1.4301, K240 polished, smooth	Table price x 2.5
Omission of track panel	Price reduction 226
Colour coating	see page 64
Flush-stopping fire sliding door version (without unattractive guiding profile)	See page 69
Door version with all-round wiper seal on 3 sides or 4 sides on the door leaf	See page 72

Steel fire sliding door EI₂₃₀

- Tested in accordance with EN 13241 and EN 16034

Standard equipment:

- Product description for standard equipment, see page 3

Optional extras:

- Escape and wicket door (without / with threshold) from page 66
- Fire-resistant glazing, see page 70
- Recess and ceiling flaps from page 82

- Door leaf weight: 40 kg/m²
- Individual door set weight max. 180 kg
- Exclusive Pearlgrain surface finish

The prices do **not** include the hold-open device, including 2 magnets and 2 telescopic anchors.
The stated surcharges for smoke protection are for doors **without** wicket door.

Calculation basis for direct fitting to the ceiling:

With lintel: clear passage height + lintel = MLH = ceiling height
Without lintel: clear passage height = MLH = ceiling height

5250	5500	5750	6000	6250	6500	6750	7000	7250	7500	7750	8000	8250	8500	12000	
See the product configurator for greater widths (max. width 12000 mm)															
	19145 1711	19915 1770	20682 1770	21140 1829	21598 1829	22055 1888	23136 1888	23579	24021	24464	24908	24811	25268	25268	8680
	18632 1711	19394 1711	20156 1770	20574 1770	20991 1829	21409 1829	21827 1888	22245	22661	23079	23498	23915	24334		6000
	18120 1652	18878 1711	19634 1711	20009 1770	20387 1770	20762 1829	21140 1829	21517	21892	22267	22645	23019	23398		5750
	17604 1652	18357 1652	19110 1711	19445 1711	19781 1770	20117 1770	20453 1829	20789	21121	21458	21793	22128	22462		5500
	17092 1534	17839 1593	18586 1593	18882 1652	19177 1652	19468 1711	19762 1711	20058	20350	20648	20942	21233	21528		5250
	16576 1534	17319 1534	18063 1593	18316 1593	18566 1652	18820 1652	19075 1711	19330	19580	19833	20087	20339	20591		5000
	16060 1475	16800 1534	17538 1534	17751 1593	17963 1593	18175 1652	18386 1652	18601	18812	19024	19231	19447	19656		4750
	15551 1475	16282 1475	17014 1534	17187 1534	17358 1593	17529 1593	17698 1652	17870	18040	18209	18382	18552	18721		4500
	15037 1357	15765 1416	16493 1416	16623 1475	16753 1475	16882 1534	17010 1534	17141	17270	17398	17529	17656	17790		4250
	14383 1357	15040 1357	15692 1416	15847 1416	15996 1475	16151 1475	16304 1534	16456	16609	16767	16919	17071	17224		4000
	13731 1298	14310 1357	14892 1357	15067 1416	15247 1416	15424 1475	15600 1475	15778	15954	16132	16305	16483	16661		3750
	13079 1298	13587 1298	14093 1357	14295 1357	14495 1416	14693 1416	14893 1475	15095	15295	15495	15695	15895	16098		3500
	12429 1180	12861 1239	13294 1239	13518 1298	13741 1298	13964 1357	14187 1357	14413	14638	14860	15086	15310	15534		3250
	11777 1180	12136 1180	12494 1239	12740 1239	12990 1298	13239 1298	13483 1357	13728	13977	14226	14474	14723	14971		3000
	11124 1121	11410 1180	11695 1180	11965 1239	12236 1239	12507 1298	12780 1298	13050	13319	13591	13862	14132	14406		2750
	10473 1121	10684 1121	10893 1180	11186 1180	11484 1239	11779 1239	12075 1298	12366	12661	12957	13251	13545	13844		2500
	9821 1003	9956 1062	10093 1062	10411 1121	10731 1121	11047 1180	11367 1180	11686	12005	12322	12641	12960	13279		2250
															2100
															2000
5250	5500	5750	6000	6250	6500	6750	7000	7250	7500	7750	8000	8250	8500	12000	
Fitting area for wicket door without threshold															
Clear passage width															

Price	Smoke protection function S ₂₀₀ surcharge Smoke protection only available without wicket door.	Price	Smoke protection function S ₂₀₀ surcharge Smoke protection possible with wicket door, if required. Surcharge per wicket door €249 ► Max. joint length 27 m
Wicket / escape door without threshold and equipment		See page 66	
Hold-open devices		See page 84	
Further optional extras		See page 66 – 86	

Fire sliding door FST 60-1 OD

Single-leaf



EL₂60

	1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000
8260	See the product configurator for greater widths (max. width 12000 mm)																
6000	7603	8087	8573	9062	9549	10034	10519	11006	11491	11977	12464	12950	13438	14102	14768	15434	16100
5750	7343	7813	8278	8747	9213	9683	10150	10618	11085	11552	12021	12486	12953	13596	14233	14872	15506
5500	7090	7537	7985	8432	8882	9330	9780	10228	10678	11125	11576	12025	12472	13082	13694	14303	14913
5250	6829	7259	7690	8120	8548	8980	9411	9842	10272	10702	11129	11561	11991	12570	13155	13737	14317
5000	6570	6983	7393	7802	8219	8627	9038	9451	9862	10274	10684	11095	11509	12058	12618	13172	13726
4750	6316	6706	7100	7489	7885	8277	8669	9063	9453	9850	10239	10632	11024	11552	12078	12604	13130
4500	6057	6432	6803	7179	7553	7924	8300	8671	9046	9421	9793	10167	10544	11042	11540	12038	12537
4250	649	708	708	767	767	826	826	885	885	944	944	1003	1003	1062	1062	1121	1121
4000	5800	6153	6509	6864	7219	7574	7930	8285	8640	8997	9351	9705	10060	10533	11003	11473	11943
3750	5542	5877	6213	6551	6887	7223	7559	7893	8233	8569	8903	9241	9581	10021	10463	10908	11351
3500	5473	5789	6104	6419	6732	7046	7365	7681	7994	8310	8625	8941	9258	9685	10110	10537	10965
3250	5400	5698	5991	6286	6579	6874	7169	7462	7758	8052	8345	8640	8934	9347	9755	10164	10574
3000	5336	5606	5880	6153	6428	6701	6974	7244	7519	7793	8065	8339	8612	9005	9396	9792	10189
2750	5270	5517	5769	6023	6272	6525	6778	7029	7284	7533	7787	8038	8291	8666	9043	9422	9799
2500	5199	5429	5659	5890	6122	6352	6582	6811	7041	7274	7508	7735	7967	8327	8689	9049	9413
2250	5129	5337	5546	5756	5968	6176	6385	6597	6804	7016	7224	7436	7643	7990	8336	8683	9027
2000	5059	5245	5436	5626	5811	6000	6189	6376	6568	6759	6946	7134	7323	7650	7981	8308	8638
	4990	5157	5325	5492	5660	5828	5994	6163	6330	6499	6665	6834	7002	7312	7624	7939	8251
	354	413	413	472	472	531	531	590	590	649	649	708	708	767	767	826	826
	1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000
	Fitting area for wicket door without threshold																
	Clear passage width																

Door leaf versions	Surcharge €
Pearlgrain, galvanized (standard)	No surcharge
Smooth sheet steel, galvanized	Surcharge flat rate 136
Stainless steel sheet V2 A, 1.4301, K240 polished, smooth	Table price x 2.5
Omission of track panel	Price reduction 226
Colour coating	see page 64
Flush-stopping fire sliding door version (without unattractive guiding profile)	See page 69
Door version with all-round wiper seal on 3 sides or 4 sides on the door leaf	See page 72

Steel fire sliding door EI₂60

- Tested in accordance with EN 13241 and EN 16034

Standard equipment:

- Product description for standard equipment, see page 3

Optional extras:

- Escape and wicket door (without / with threshold) from page 66
- Fire-resistant glazing, see page 70
- Recess and ceiling flaps from page 82

- Door leaf weight: 50 kg/m²
- Individual door set weight max. 180 kg
- Exclusive Pearlgrain surface finish

The prices do **not** include the hold-open device, including 1 magnet and 1 telescopic anchor.
The stated surcharges for smoke protection are for doors **without** wicket door.

Calculation basis for direct fitting to the ceiling:

With lintel: clear passage height + lintel = MLH = ceiling height

5000	5250	5500	5750	6000	6250	6500	6750	7000	7250	7500	7750	8000	8250	8500	12000				
See the product configurator for greater widths (max. width 12000 mm)																8260	See the product configurator for greater heights (max. height 8260 mm)	Clear passage height	Fitting area for wicket door without threshold
	16767	17433	18099	18766	19837	20905	21972	23044	24113	25183	26254	27323	28392	29461	6000				
	16146	16785	17422	18059	19037	20013	20992	21967	22945	23923	24900	25875	26854	27831	5750				
	15521	16132	16744	17358	18242	19123	20008	20892	21777	22662	23548	24432	25318	26200	5500				
	14900	15483	16065	16649	17441	18232	19024	19819	20609	21402	22196	22987	23778	24571	5250				
	14278	14835	15390	15941	16640	17344	18043	18745	19444	20141	20842	21543	22241	22943	5000				
	13660	14183	14709	15238	15844	16450	17058	17667	18272	18879	19491	20097	20704	21311	4750				
	13036	13532	14033	14530	15046	15559	16077	16592	17104	17620	18137	18652	19168	19682	4500				
	1180	1180	1239	1239	1298	1298	1357	1357							4250				
	12414	12883	13353	13828	14247	14671	15094	15515	15938	16360	16785	17205	17628	18053	4000				
	1121	1180	1180	1239	1239	1298	1298	1357							3750				
	11791	12233	12678	13119	13448	13778	14110	14440	14770	15104	15430	15761	16091	16422	3500				
	1121	1121	1180	1180	1239	1239	1298	1298							3250				
	11389	11813	12243	12666	13003	13338	13674	14008	14344	14680	15016	15353	15687	16021	3000				
	1062	1121	1121	1180	1180	1239	1239	1298	14344	14680	15016	15353	15687	16021	2750				
	10984	11394	11805	12215	12556	12896	13235	13578	13920	14263	14601	14940	15279	15623	2500				
	1062	1062	1121	1121	1180	1180	1239	1239	13920	14263	14601	14940	15279	15623	2250				
	10581	10976	11369	11761	12109	12453	12801	13144	13492	13839	14183	14529	14876	15221	2000				
	1003	1062	1062	1121	1121	1180	1180	1239	13492	13839	14183	14529	14876	15221					
	10175	10554	10931	11309	11663	12016	12364	12715	13067	13415	13766	14119	14467	14821					
	1003	1003	1062	1062	1121	1121	1180	1180	13067	13415	13766	14119	14467	14821					
	9775	10135	10497	10857	11214	11570	11928	12282	12638	12997	13350	13707	14065	14423					
	944	1003	1003	1062	1062	1121	1121	1180	12638	12997	13350	13707	14065	14423					
	9369	9713	10060	10405	10766	11128	11490	11852	12214	12573	12936	13297	13660	14020					
	944	944	1003	1003	1062	1062	1121	1121	12214	12573	12936	13297	13660	14020					
	8965	9294	9624	9954	10320	10685	11054	11420	11786	12150	12519	12886	13254	13618					
	885	944	944	1003	1003	1062	1062	1121	11786	12150	12519	12886	13254	13618					
	8564	8875	9187	9501	9872	10246	10618	10985	11360	11734	12106	12476	12846	13221					
	885	885	944	944	1003	1003	1062	1062	11360	11734	12106	12476	12846	13221					
5000	5250	5500	5750	6000	6250	6500	6750	7000	7250	7500	7750	8000	8250	8500	12000				
Fitting area for wicket door without threshold																			
Clear passage width																			

Price	Smoke protection function S ₂₀₀ surcharge Smoke protection only available without wicket door.	Price	Smoke protection function S ₂₀₀ surcharge Smoke protection possible with wicket door, if required. Surcharge per wicket door €249 ► Max. joint length 24 m
Wicket / escape door without threshold and equipment		See page 66	
Hold-open devices		See page 84	
Further optional extras		See page 66 – 86	

Fire sliding door FST 60-2 OD

Double-leaf, divided symmetrically



EL₂60

See the product configurator for greater widths (max. width 12000 mm)

Clear passage height	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000
	11011	11122	11392	11935	12477	13025	13568	14110	14655	15197	15745	16735	17571	18414	19249
6500	10743	10851	11114	11644	12173	12707	13237	13766	14297	14826	15361	16247	17060	17877	18688
6250	10481	10587	10843	11360	11876	12397	12914	13430	13949	14464	14987	15774	16563	17357	18144
6000	10326	10430	10688	11162	11638	12113	12587	13063	13535	14011	14483	15270	16055	16838	17622
5750	10173	10276	10534	10966	11394	11827	12259	12689	13120	13553	13983	14764	15544	16325	17103
5500	10023	10124	10379	10766	11155	11544	11934	12320	12710	13098	13484	14263	15033	15809	16587
5250	9875	9974	10225	10568	10914	11261	11605	11951	12296	12638	12984	13756	14525	15294	16065
5000	9729	9827	10071	10371	10672	10976	11278	11581	11879	12184	12482	13252	14013	14779	15545
4750	9585	9682	9916	10172	10431	10692	10948	11208	11466	11725	11983	12745	13504	14268	15027
4500	1003	1062	1062	1121	1121	1180	1180	1239	1239	1298	1298	1357	1357	1416	1416
4250	9443	9539	9762	9974	10192	10406	10623	10837	11054	11271	11486	12242	12997	13753	14507
4000	1003	1003	1062	1062	1121	1121	1180	1180	1239	1239	1298	1298	1357	1357	1416
3750	9304	9398	9606	9779	9948	10123	10292	10466	10639	10813	10984	11736	12484	13234	13985
3500	885	944	944	1003	1003	1062	1062	1121	1121	1180	1180	1239	1239	1298	1298
3250	9166	9259	9457	9621	9786	9948	10114	10278	10444	10607	10772	11446	12119	12795	13468
3000	885	885	944	944	1003	1003	1062	1062	1121	1121	1180	1180	1239	1239	1298
2750	9031	9122	9311	9468	9621	9779	9934	10087	10246	10400	10555	11155	11753	12349	12948
2500	826	885	885	944	944	1003	1003	1062	1062	1121	1121	1180	1180	1239	1239
2250	8897	8987	9164	9311	9457	9606	9753	9898	10047	10194	10343	10861	11385	11906	12432
2000	826	826	885	885	944	944	1003	1003	1062	1062	1121	1121	1180	1180	1239
	8766	8854	9016	9155	9292	9433	9568	9711	9852	9987	10128	10573	11016	11462	11910
	708	767	767	826	826	885	885	944	944	1003	1003	1062	1062	1121	1121
	8636	8724	8869	8998	9126	9262	9390	9522	9651	9783	9914	10283	10650	11018	11391
	708	708	767	767	826	826	885	885	944	944	1003	1003	1062	1062	1121
	8509	8595	8722	8842	8965	9090	9209	9333	9453	9580	9699	9991	10286	10578	10873
	649	708	708	767	767	826	826	885	885	944	944	1003	1003	1062	1062
	8383	8468	8572	8688	8803	8915	9029	9144	9259	9369	9482	9702	9919	10135	10352
	649	649	708	708	767	767	826	826	885	885	944	944	1003	1003	1062
	8259	8343	8427	8530	8638	8744	8847	8954	9062	9166	9270	9413	9553	9692	9832
	531	590	590	649	649	708	708	767	767	826	826	885	885	944	944

Fitting area for wicket door **without** threshold

Clear passage width

Door leaf versions

Pearlgrain, galvanized (standard)

Smooth sheet steel, galvanized

Stainless steel sheet V2 A, 1.4301, K240 polished, smooth

Omission of track panel

Surcharge €

No surcharge

Surcharge flat rate 136

Table price x 2.5

Price reduction 226

Colour coating

see page 64

Flush-stopping fire sliding door version (without unattractive guiding profile)

See page 69

Door version with all-round wiper seal on 3 sides or 4 sides on the door leaf

See page 72

- Tested in accordance with EN 13241 and EN 16034

- ### Standard equipment:

- Product description for standard equipment, see page 3

Optional extras:

- Escape and wicket door (without / with threshold) from page 66
- Fire-resistant glazing, see page 70
- Recess and ceiling flaps from page 82

- ▶ Door leaf weight: 50 kg/m²
- ▶ Individual door set weight max. 180 kg
- ▶ Exclusive Pearlgrain surface finish

The prices do **not** include the hold-open device, including 2 magnet and 2 telescopic anchor.
The stated surcharges for smoke protection are for doors **without** wicket door.

Calculation basis for direct fitting to the ceiling:

With lintel: clear passage height + lintel = MLH = ceiling height

See the product configurator for greater widths (max. width 12000 mm)															
	20084	20921	22186	23041	23551	24061	24570	25775	26268	26760	27254	27749	27641	28150	6500
	19499	20311	21333	22154	22645	23136	23625	24783	25258	25731	26206	26682	26578	27067	6250
	18931	19720	20512	21302	21774	22246	22717	23830	24287	24742	25198	25656	25556	26026	6000
	18410	19191	19976	20761	21191	21620	22051	22481	22912	23341	23772	24203	24633	25064	5750
	17883	18664	19444	20223	20609	20998	21385	21774	22162	22549	22935	23324	23710	24100	5500
	17360	18132	18908	19684	20029	20374	20721	21067	21412	21755	22101	22446	22792	23136	5250
	16833	17605	18374	19143	19448	19752	20052	20355	20660	20961	21267	21570	21870	22174	5000
	16311	17073	17839	18605	18865	19123	19385	19647	19910	20167	20428	20689	20949	21209	4750
	15786	16542	17303	18064	18283	18502	18720	18938	19159	19376	19594	19808	20030	20246	4500
	1475	1475	1534	1534	1593	1593	1652	1652	18406	18581	18755	18934	19108	19283	4250
	15262	16017	16771	17525	17703	17879	18055	18229	18406	18581	18755	18934	19108	19283	4000
	1416	1475	1475	1534	1534	1593	1593	1652	17655	17788	17920	18055	18185	18324	3750
	14737	15488	16238	16988	17121	17256	17389	17521	17655	17788	17920	18055	18185	18324	3500
	1357	1357	1416	1416	1475	1475	1534	1534	16949	17107	17270	17426	17583	17740	3250
	14139	14815	15491	16163	16322	16476	16635	16793	16949	17107	17270	17426	17583	17740	3000
	1298	1357	1357	1416	1416	1475	1475	1534	16251	16432	16616	16794	16978	17161	2750
	13546	14142	14740	15338	15519	15704	15887	16068	16251	16432	16616	16794	16978	17161	2500
	1298	1298	1357	1357	1416	1416	1475	1475	15548	15753	15960	16166	16371	16581	2250
	12950	13471	13995	14516	14724	14930	15134	15340	15548	15753	15960	16166	16371	16581	2000
	1239	1298	1298	1357	1357	1416	1416	1475	14846	15077	15306	15539	15769	16000	
	12356	12802	13247	13693	13924	14153	14383	14613	14846	15077	15306	15539	15769	16000	
	1180	1180	1239	1239	1298	1298	1357	1357	14140	14396	14653	14908	15165	15420	
	11760	12131	12501	12869	13122	13380	13636	13888	14140	14396	14653	14908	15165	15420	
	1121	1180	1180	1239	1239	1298	1298	1357	13442	13718	13999	14278	14556	14838	
	11164	11457	11752	12045	12323	12603	12882	13164	13442	13718	13999	14278	14556	14838	
	1121	1121	1180	1180	1239	1239	1298	1298	12737	13041	13346	13649	13951	14259	
	10568	10788	11005	11219	11522	11828	12132	12437	12737	13041	13346	13649	13951	14259	
	1062	1121	1121	1180	1180	1239	1239	1298	12036	12365	12692	13020	13349	13677	
	9974	10115	10255	10396	10723	11053	11378	11708	12036	12365	12692	13020	13349	13677	
	1003	1003	1062	1062	1121	1121	1180	1180							

Clear passage height

Fitting area for wicket door **without** threshold

Fitting area for wicket door without threshold														
Clear passage width														

Price	Smoke protection function S ₂₀₀ surcharge Smoke protection only available without wicket door.	Price	Smoke protection function S ₂₀₀ surcharge Smoke protection possible with wicket door, if required. Surcharge per wicket door €249 ▶ Max. joint length 24 m
Wicket/escape door without threshold and equipment		See page 66	
Hold-open devices		See page 84	
Further optional extras		See page 66 – 86	

Fire sliding door FST 90-1 OD

Single-leaf



EL₂90

	1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000
8260	See the product configurator for greater widths (max. width 12000 mm)																
6000	7645	8278	8917	9552	10183	10820	11454	12089	12725	13362	13998	14628	15264	16089	16918	17740	18566
5750	7431	8048	8661	9275	9887	10501	11113	11727	12341	12954	13567	14181	14794	15573	16358	17138	17919
5500	7224	7816	8405	8997	9590	10178	10771	11363	11956	12546	13138	13728	14321	15057	15795	16532	17270
5250	7010	7576	8151	8721	9288	9861	10431	10999	11572	12140	12713	13280	13852	14540	15236	15930	16621
5000	6801	7345	7896	8442	8993	9538	10089	10634	11185	11735	12281	12831	13377	14028	14676	15323	15970
4750	6590	7112	7642	8170	8695	9222	9748	10275	10800	11329	11855	12379	12908	13513	14115	14720	15320
4500	6376	6885	7386	7890	8397	8902	9406	9912	10416	10920	11425	11929	12435	12994	13554	14113	14674
4250	649	708	708	767	767	826	826	885	885	944	944	1003	1003	1062	1062	1121	1121
4000	6163	6648	7131	7615	8097	8582	9064	9551	10030	10514	10998	11481	11965	12479	12993	13510	14026
3750	5953	6415	6877	7338	7800	8263	8724	9187	9646	10108	10571	11031	11494	11962	12433	12906	13374
3500	5848	6275	6703	7135	7563	7991	8416	8848	9276	9704	10134	10561	10988	11432	11874	12320	12760
3250	5737	6137	6531	6927	7323	7718	8112	8508	8906	9302	9694	10091	10486	10900	11317	11734	12148
3000	5635	5997	6360	6723	7083	7448	7811	8174	8534	8897	9258	9619	9984	10370	10760	11145	11533
2750	5529	5857	6187	6517	6845	7175	7505	7832	8164	8493	8824	9149	9480	9839	10203	10561	10920
2500	5424	5720	6014	6312	6606	6901	7201	7495	7792	8091	8385	8681	8980	9310	9642	9975	10308
2250	5316	5579	5845	6104	6369	6634	6896	7157	7419	7686	7947	8211	8473	8778	9083	9388	9690
2000	5212	5439	5670	5897	6132	6361	6592	6819	7052	7279	7510	7740	7970	8247	8524	8801	9080
	5106	5302	5498	5695	5891	6086	6285	6482	6679	6876	7074	7269	7467	7717	7967	8214	8466
	354	413	413	472	472	531	531	590	590	649	649	708	708	767	767	826	826

Fitting area for wicket door **without** threshold

Clear passage width

Door leaf versions	Surcharge €
Pearlgrain, galvanized (standard)	No surcharge
Smooth sheet steel, galvanized	Surcharge flat rate 136
Stainless steel sheet V2 A, 1.4301, K240 polished, smooth	Table price x 2.5
Omission of track panel	Price reduction 226
Colour coating	see page 64
Flush-stopping fire sliding door version (without unattractive guiding profile)	See page 69
Door version with all-round wiper seal on 3 sides or 4 sides on the door leaf	See page 72

Steel fire sliding door EI₂90

- Tested in accordance with EN 13241 and EN 16034

Standard equipment:

- Product description for standard equipment, see page 3

Optional extras:

- Escape and wicket door (without / with threshold) from page 66
- Fire-resistant glazing, see page 70
- Recess and ceiling flaps from page 82

- Door leaf weight: 50 kg/m²
- Individual door set weight max. 180 kg
- Exclusive Pearlgrain surface finish

The prices do **not** include the hold-open device, including 1 magnet and 1 telescopic anchor.
The stated surcharges for smoke protection are for doors **without** wicket door.

Calculation basis for direct fitting to the ceiling:

With lintel: clear passage height + lintel = MLH = ceiling height

5000	5250	5500	5750	6000	6250	6500	6750	7000	7250	7500	7750	8000	8250	8500	12000			
See the product configurator for greater widths (max. width 12000 mm)																8260	See the product configurator for greater heights (max. height 8260 mm)	Clear passage height
	19394	20220	21045	21872	22745	23623	24496	25370	26245	27118	27995	28871	29448	30037				
	18700	19483	20265	21043	21616	22182	22755	23327	23896	24466	25037	27253	27956	28515				
	18008	18744	19479	20216	20789	21357	21924	22496	23067	23634	24204	24775	26127	26650				
	17312	18007	18697	19391	19956	20527	21099	21666	22235	22801	23372	23939	24418	24906				
	16620	17269	17914	18563	19132	19699	20269	20832	21402	21970	22538	23103	23565	24036				
	15928	16530	17133	17736	18302	18873	19438	20005	20570	21139	21704	22273	22719	23173				
	15233 1180	15792 1180	16350 1239	16911 1239	17475 1298	18045 1298	18610 1357	19176 1357	19740	20307	20873	21439	21867	22305				
	14538 1121	15054 1180	15568 1180	16083 1239	16646 1239	17212 1298	17779 1298	18343 1357	18908	19473	20039	20601	21014	21434				
	13849 1121	14314 1121	14786 1180	15258 1180	15819 1239	16384 1239	16948 1298	17512 1298	18077	18638	19203	19767	20162	20565				
	13206 1062	13648 1121	14091 1121	14533 1180	15085 1180	15631 1239	16184 1239	16733 1298	17282	17830	18384	18936	19315	19701				
	12566 1062	12980 1062	13392 1121	13808 1121	14344 1180	14880 1180	15416 1239	15955 1239	16491	17027	17564	18100	18462	18831				
	11921 1003	12311 1062	12698 1062	13084 1121	13605 1121	14128 1180	14652 1180	15174 1239	15696	16220	16743	17265	17610	17963				
	11278 1003	11638 1003	12000 1062	12359 1062	12870 1121	13377 1121	13886 1180	14395 1180	14907	15413	15922	16432	16760	17096				
	10635 944	10972 1003	11303 1003	11634 1062	12134 1062	12626 1121	13122 1121	13618 1180	14112	14607	15102	15597	15909	16227				
	9995 944	10303 944	10605 1003	10910 1003	11395 1062	11873 1062	12352 1121	12838 1121	13318	13800	14280	14762	15058	15359				
	9355 885	9636 944	9912 944	10185 1003	10657 1003	11122 1062	11592 1062	12057 1121	12524	12993	13461	13928	14206	14490				
	8715 885	8965 885	9216 944	9465 944	9919 1003	10370 1003	10824 1062	11275 1062	11734	12187	12640	13094	13356	13623				
5000	5250	5500	5750	6000	6250	6500	6750	7000	7250	7500	7750	8000	8250	8500	12000		Fitting area for wicket door without threshold	2100
Fitting area for wicket door without threshold																		
Clear passage width																		

Price	Smoke protection function S ₂₀₀ surcharge Smoke protection only available without wicket door.	Price	Smoke protection function S ₂₀₀ surcharge Smoke protection possible with wicket door, if required. Surcharge per wicket door €249 ► Max. joint length 24 m
Wicket / escape door without threshold and equipment		See page 66	
Hold-open devices		See page 84	
Further optional extras		See page 66 – 86	

Fire sliding door FST 90-2 OD

Double-leaf, divided symmetrically



EL₂90

		1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000		
		See the product configurator for greater widths (max. width 12000 mm)																
Clear passage height	6500	12112	12235	12531	13129	13725	14327	14925	15521	16120	16716	17320	18408	19329	20255	21174		
	6250	11817	11936	12226	12809	13390	13978	14561	15142	15727	16309	16898	17872	18766	19665	20557		
	6000	11529	11645	11927	12496	13064	13637	14206	14773	15343	15911	16485	17351	18219	19092	19958		
	5750	11358	11473	11757	12279	12802	13324	13846	14369	14888	15412	15931	16797	17660	18522	19384		
	5500	11191	11304	11588	12063	12533	13010	13485	13958	14432	14908	15382	16241	17098	17957	18813		
	5250	11025	11137	11417	11842	12270	12698	13128	13552	13981	14408	14833	15689	16537	17390	18246		
	5000	10862	10972	11248	11625	12006	12387	12765	13146	13526	13901	14282	15132	15978	16824	17671		
	4750	10702	10810	11078	11408	11740	12074	12405	12739	13067	13402	13731	14577	15415	16256	17100		
	4500	10544	10650	10908	11189	11474	11761	12043	12328	12613	12897	13182	14019	14854	15695	16529		
	4250	1003	1062	1062	1121	1121	1180	1180	1239	1239	1298	1298	1357	1357	1416	1416		
	4000	10388	10493	10739	10972	11211	11447	11686	11920	12159	12398	12634	13466	14297	15129	15958		
	3750	1003	1003	1062	1062	1121	1121	1180	1180	1239	1239	1298	1298	1357	1357	1416		
	3500	10234	10338	10566	10757	10943	11135	11322	11512	11703	11895	12082	12910	13732	14557	15383		
	3250	885	944	944	1003	1003	1062	1062	1121	1121	1180	1180	1239	1239	1298	1298		
	3000	10083	10185	10403	10584	10764	10943	11125	11306	11488	11667	11849	12590	13331	14075	14814		
	2750	885	885	944	944	1003	1003	1062	1062	1121	1121	1180	1180	1239	1239	1298		
	2500	9934	10034	10242	10414	10584	10757	10928	11095	11270	11440	11610	12270	12929	13584	14243		
	2250	826	885	885	944	944	1003	1003	1062	1062	1121	1121	1180	1180	1239	1239		
	2000	9787	9886	10080	10242	10403	10566	10729	10888	11051	11214	11377	11947	12523	13096	13675		
	1750	826	826	885	885	944	944	1003	1003	1062	1062	1121	1121	1180	1180	1239		
	1500	9642	9740	9918	10070	10221	10376	10525	10682	10837	10986	11141	11630	12118	12609	13101		
	1250	708	767	767	826	826	885	885	944	944	1003	1003	1062	1062	1121	1121		
	1000	9500	9596	9756	9898	10039	10188	10329	10474	10616	10761	10905	11312	11716	12119	12530		
	750	708	708	767	767	826	826	885	885	944	944	1003	1003	1062	1062	1121		
	500	9360	9454	9594	9726	9861	9999	10130	10266	10399	10538	10669	10990	11315	11636	11960		
	250	649	708	708	767	767	826	826	885	885	944	944	1003	1003	1062	1062		
	0	9221	9314	9429	9557	9683	9807	9932	10059	10185	10306	10430	10672	10911	11148	11387		
	-250	649	649	708	708	767	767	826	826	885	885	944	944	1003	1003	1062		
	-500	9085	9177	9269	9383	9501	9618	9732	9850	9968	10083	10197	10355	10508	10662	10815		
	-750	531	590	590	649	649	708	708	767	767	826	826	885	885	944	944		
		1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000		
		Fitting area for wicket door without threshold																
		Clear passage width																

Door leaf versions	Surcharge €
Pearlgrain, galvanized (standard)	No surcharge
Smooth sheet steel, galvanized	Surcharge flat rate 136
Stainless steel sheet V2 A, 1.4301, K240 polished, smooth	Table price x 2.5
Omission of track panel	Price reduction 226
Colour coating	see page 64
Flush-stopping fire sliding door version (without unattractive guiding profile)	See page 69
Door version with all-round wiper seal on 3 sides or 4 sides on the door leaf	See page 72

Steel fire sliding door EI₂90

- Tested in accordance with EN 13241 and EN 16034

Standard equipment:

- Product description for standard equipment, see page 3

Optional extras:

- Escape and wicket door (without / with threshold) from page 66
- Fire-resistant glazing, see page 70
- Recess and ceiling flaps from page 82

- Door leaf weight: 50 kg/m²
- Individual door set weight max. 180 kg
- Exclusive Pearlgrain surface finish

The prices do **not** include the hold-open device, including 2 magnet and 2 telescopic anchor.
The stated surcharges for smoke protection are for doors **without** wicket door.

Calculation basis for direct fitting to the ceiling:

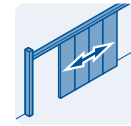
With lintel: clear passage height + lintel = MLH = ceiling height

5000	5250	5500	5750	6000	6250	6500	6750	7000	7250	7500	7750	8000	8250	8500	See the product configurator for greater widths (max. width 12000 mm)									
	22093	23013	24405	25345	25906	26467	27027	28352	28895	29437	29979	30524	30405	30965	6500	Clear passage height	Fitting area for wicket door without threshold							
	21449	22343	23466	24370	24910	25449	25988	27262	27784	28304	28826	29350	29236	29774	6250									
	20824	21692	22564	23433	23952	24471	24988	26213	26715	27216	27718	28221	28111	28629	6000									
	20251	21110	21973	22837	23310	23782	24256	24729	25203	25675	26149	26624	27096	27571	5750									
	19671	20530	21389	22245	22670	23098	23524	23952	24378	24803	25229	25657	26081	26510	5500									
	19096	19945	20799	21652	22032	22411	22793	23174	23553	23930	24311	24691	25071	25449	5250									
	18516	19365	20211	21058	21393	21727	22057	22390	22726	23057	23394	23727	24057	24391	5000									
	17942	18781	19623	20466	20752	21035	21323	21612	21901	22184	22471	22758	23044	23330	4750									
	17364	18196	19034	19870	20112	20352	20593	20831	21075	21314	21554	21789	22033	22271	4500									
	1475	1475	1534	1534	1593	1593	1652	1652							4250									
	16788	17619	18448	19277	19473	19667	19860	20052	20247	20439	20631	20827	21019	21211	4000									
	1416	1475	1475	1534	1534	1593	1593	1652							3750									
	16211	17037	17862	18687	18833	18981	19128	19273	19421	19567	19712	19860	20004	20156	3500									
	1357	1357	1416	1416	1475	1475	1534	1534							3250									
	15552	16296	17040	17780	17954	18124	18299	18472	18644	18818	18997	19169	19341	19515	3000									
	1298	1357	1357	1416	1416	1475	1475	1534							2750									
	14901	15557	16214	16872	17071	17275	17475	17674	17876	18075	18277	18474	18675	18877	2500									
	1298	1298	1357	1357	1416	1416	1475	1475							2250									
	14246	14819	15395	15968	16197	16423	16648	16874	17103	17329	17556	17782	18008	18239	2000									
	1239	1298	1298	1357	1357	1416	1416	1475																
	13591	14082	14571	15062	15316	15568	15821	16074	16330	16585	16837	17093	17346	17600										
	1180	1180	1239	1239	1298	1298	1357	1357																
	12936	13344	13751	14156	14435	14718	14999	15277	15554	15835	16118	16399	16682	16962										
	1121	1180	1180	1239	1239	1298	1298	1357																
	12280	12603	12927	13250	13556	13863	14170	14480	14786	15090	15399	15706	16012	16322										
	1121	1121	1180	1180	1239	1239	1298	1298																
	11625	11866	12105	12341	12674	13011	13345	13681	14011	14345	14681	15013	15346	15685										
	1062	1121	1121	1180	1180	1239	1239	1298																
	10972	11127	11280	11435	11795	12158	12516	12879	13240	13601	13961	14322	14684	15045										
	1003	1003	1062	1062	1121	1121	1180	1180																
5000	5250	5500	5750	6000	6250	6500	6750	7000	7250	7500	7750	8000	8250	8500	Fitting area for wicket door without threshold									
															Clear passage width									

Price	Smoke protection function S ₂₀₀ surcharge Smoke protection only available without wicket door.	Price	Smoke protection function S ₂₀₀ surcharge Smoke protection possible with wicket door, if required. Surcharge per wicket door €249 ► Max. joint length 24 m
Wicket / escape door without threshold and equipment		See page 66	
Hold-open devices		See page 84	
Further optional extras		See page 66 – 86	

Fire sliding door FST 120-1 OD

Single-leaf



EL₂120

		1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750
Clear passage height	4850	6722	7254	7794	8333	8869	9406	9943	10481	11016	11556	12092	12626
		708	767	767	826	826	885	885	944	944	1003	1003	1062
	4500	6504	7022	7533	8048	8565	9080	9595	10111	10624	11139	11653	12168
		649	708	708	767	767	826	826	885	885	944	944	1003
	4250	6286	6780	7273	7768	8259	8753	9245	9742	10231	10724	11218	11711
		649	649	708	708	767	767	826	826	885	885	944	944
	4000	6072	6544	7015	7485	7956	8428	8898	9370	9839	10310	10783	11251
		590	649	649	708	708	767	767	826	826	885	885	944
	3750	5965	6400	6837	7277	7714	8150	8584	9025	9461	9898	10337	10772
		590	590	649	649	708	708	767	826	826	885	885	
3500		5852	6259	6661	7066	7469	7873	8275	8678	9084	9488	9888	10292
		531	590	590	649	649	708	708	767	767	826	826	885
3250		5747	6117	6487	6857	7225	7597	7967	8337	8705	9075	9443	9811
		531	531	590	590	649	649	708	708	767	767	826	826
3000		5640	5974	6311	6647	6981	7318	7655	7989	8327	8662	9000	9332
		472	531	531	590	590	649	649	708	708	767	767	826
2750		5532	5834	6134	6439	6738	7039	7345	7645	7948	8253	8552	8855
		472	472	531	531	590	590	649	649	708	708	767	767
2500		5422	5691	5962	6226	6496	6766	7034	7300	7568	7839	8106	8376
		413	472	472	531	531	590	590	649	649	708	708	767
2250		5316	5548	5783	6015	6254	6489	6724	6956	7193	7424	7660	7894
		413	413	472	472	531	531	590	590	649	649	708	708
2000		5208	5408	5608	5809	6008	6208	6410	6611	6812	7013	7216	7414
		354	413	413	472	472	531	531	590	590	649	649	708
		1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750
		Clear passage width											

Door leaf versions						Surcharge €
Pearlgrain, galvanized (standard)						No surcharge
Smooth sheet steel, galvanized						Surcharge flat rate 136
Stainless steel sheet V2 A, 1.4301, K240 polished, smooth						Table price × 2.5
Omission of track panel						Price reduction 226
Colour coating (for details, see page 64)						
Surface finish galvanized Pearlgrain or smooth galvanized sheet steel	Galvanized as standard	Primed RAL 9002 Per m ²	Preferred colours based on RAL Per m ²	RAL to choose Per m ²	Metallic colours Per m ²	Colours according to NCS Per m ²
Powder-coated door leaf	–	57	119	142	202	202
Galvanized door frame, smooth	–	93	172	208	290	290
Powder-coated door leaf and door frame	–	93	172	208	290	290
Door leaf and door frame powder-coated in different colours						Surcharge 364
Door version with all-round wiper seal on 3 sides or 4 sides on the door leaf						See page 72

Steel fire sliding door EI₂120

- Tested in accordance with EN 13241 and EN 16034

Standard equipment:

- Product description for standard equipment, see page 3

- ▶ Door leaf weight: 60 kg/m²
- ▶ Individual door set weight max. 180 kg
- ▶ Exclusive Pearlgrain surface finish

The prices do **not** include the hold-open device, including 1 magnet and 1 telescopic anchor.
The stated surcharges for smoke protection are for doors **without** wicket door.

Calculation basis for direct fitting to the ceiling:

With lintel: clear passage height + lintel = MLH = ceiling height

	4000	4250	4540
	13167 1062	13784 1121	14397 1121
	12684 1003	13254 1062	13825 1062
	12204 1003	12729 1003	13252 1062
	11724 944	12201 1003	12681 1003
	11208 944	11661 944	12112 1003
	10696 885	11118 944	11543 944
	10183 885	10578 885	10975 944
	9670 826	10036 885	10408 885
	9159 826	9496 826	9835 885
	8642 767	8953 826	9264 826
	8130 767	8412 767	8695 826
	7616 708	7871 767	8126 767
	4000	4250	4540

Price

Smoke protection function S₂₀₀ surcharge

- ▶ Max. joint length 19.5 m

Hold-open devices

See page 84

Further optional extras

See page 66 – 86

Fire sliding door FST BS120

acc. to BS476, tested and certified by Warringtonfire (UK)

Single-leaf



BS120

Standard equipment sliding door FST BS120

- Element thickness / door leaf thickness: 72 mm
- Galvanized sheet steel, sheet thickness 0.75 mm, standard surface finish Pearlgrain or optionally smooth sheet steel
- All-round edge spacing 70 mm
- One-sided screw connection of the element joints
- Flush, fully bonded tongue-and-groove element connection
- Panel style connected using concealed, internal threaded rods
- Grip handle and recessed handle in stainless steel V2 A, 1.4301
- Without lock as standard

► Door leaf weight: 40 kg/m²

► Individual door set weight max. 180 kg

► Exclusive Pearlgrain surface finish

The prices do **not** include the hold-open device, including 1 magnet and 1 telescopic anchor.

Fitting possible with:

Wall fitting

- Flush brickwork, thickness ≥ 240 mm
- Concrete, thickness ≥ 175 mm
- Steel girders: fire-proof encased steel components
At least REI-120

		1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5055		
Clear passage height	4500	5045	5071	5096	5122	5148	5199	5293	5346	5442	5496	5668	5725	7123	7194	7279	7352	7431	Clear passage height	4500
	4250	4872	4896	4921	4946	4970	5020	5076	5127	5184	5236	5363	5416	5841	5899	7189	7261	7337		4250
	4000	4823	4848	4872	4897	4921	4970	5026	5076	5133	5184	5310	5363	5783	5841	7118	7189	7264		4000
	3750	4614	4637	4660	4683	4707	4754	4806	4854	4907	4956	5070	5121	5500	5555	6015	6075	6846		3750
	3500	4568	4591	4614	4637	4660	4707	4758	4806	4858	4907	5020	5070	5445	5500	5955	6015	6778		3500
	3250	4537	4560	4583	4606	4629	4676	4727	4774	4826	4875	4981	5031	5365	5419	5852	5911	5982		3250
	3000	4492	4515	4538	4560	4583	4629	4680	4727	4779	4826	4932	4981	5312	5365	5794	5852	5923		3000
	2750	4472	4495	4518	4540	4563	4609	4658	4705	4755	4802	4898	4947	5238	5291	5688	5744	5812		2750
Clear passage width	2500	4428	4450	4473	4495	4518	4563	4612	4658	4707	4755	4850	4898	5187	5238	5631	5688	5754	Clear passage width	2500
	2250	4411	4433	4456	4478	4500	4545	4593	4639	4687	4734	4820	4868	5113	5164	5525	5580	5601		2250
	2000	4367	4389	4411	4434	4456	4500	4548	4593	4641	4687	4772	4820	5063	5113	5470	5525	5545		2000

Door leaf versions						Surcharge €
Pearlgrain, galvanized (standard)						No surcharge
Smooth sheet steel, galvanized						Surcharge flat rate 136
Optional extras						Surcharge €
"Close" push button HAT 02, surface-mounted or recessed						Each 2015363 53
Air freight / sea freight packaging (IPPC)						See page 88
Colour coating (for details, see page 64)						
Surface finish galvanized Pearlgrain or smooth galvanized sheet steel	Galvanized as standard	Primed RAL 9002 Per m ²	Preferred colours based on RAL Per m ²	RAL to choose Per m ²	Metallic colours Per m ²	Colours according to NCS Per m ²
Powder-coated door leaf	–	57	119	142	202	202
Galvanized door frame, smooth	–	93	172	208	290	290
Powder-coated door leaf and door frame	–	93	172	208	290	290
Door leaf and door frame powder-coated in different colours						Surcharge 364

Fire sliding door FST BS240

acc. to BS476, tested and certified by Warringtonfire (UK)

Single-leaf



BS240

Standard equipment sliding door FST BS240

- Element thickness / door leaf thickness: 72 mm
- Galvanized sheet steel, sheet thickness 0.75 mm, standard surface finish Pearlgrain or optionally smooth sheet steel
- All-round edge spacing 70 mm
- One-sided screw connection of the element joints
- Flush, fully bonded tongue-and-groove element connection
- Panel style connected using concealed, internal threaded rods
- Grip handle and recessed handle in stainless steel V2 A, 1.4301
- Without lock as standard

► Door leaf weight: 40 kg/m²

► Individual door set weight max. 180 kg

► Exclusive Pearlgrain surface finish

The prices do **not** include the hold-open device, including 1 magnet and 1 telescopic anchor.

Fitting possible with:

Wall fitting

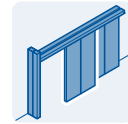
- Flush brickwork, thickness ≥ 240 mm
- Concrete, thickness ≥ 175 mm
- Steel girders: fire-proof encased steel components
At least REI-120

Clear passage height		Clear passage width																		Clear passage height		
		1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5055				
		4500	5853	5882	5912	5941	5971	6031	6140	6202	6312	6375	6575	6583	7102	7363	7450	7524	7605			4500
		4250	5651	5680	5708	5737	5766	5823	5888	5947	6013	6073	6221	6229	6717	6784	7358	7432	7509			4250
		4000	5595	5623	5652	5680	5709	5766	5830	5888	5954	6013	6159	6221	6708	6717	7285	7358	7435			4000
		3750	5352	5379	5406	5433	5460	5515	5575	5630	5692	5749	5881	5940	6380	6443	6977	7047	7164			3750
		3500	5299	5325	5352	5379	5406	5460	5519	5575	5635	5692	5823	5881	6316	6380	6908	6977	7093			3500
		3250	5263	5290	5316	5343	5370	5424	5483	5538	5599	5655	5778	5836	6223	6286	6789	6857	6940			3250
		3000	5211	5237	5264	5290	5317	5370	5429	5483	5543	5599	5721	5778	6162	6223	6722	6789	6871			3000
		2750	5188	5214	5240	5267	5293	5346	5404	5458	5515	5570	5682	5739	6077	6137	6598	6664	6742			2750
		2500	5137	5163	5188	5215	5241	5293	5350	5404	5461	5515	5626	5682	6016	6077	6532	6598	6675			2500
2250	5117	5143	5168	5194	5220	5273	5328	5381	5437	5492	5591	5647	5931	5991	6409	6473	6497	2250				
2000	5066	5092	5117	5143	5169	5220	5275	5328	5383	5437	5535	5591	5873	5931	6346	6409	6432	2000				

Door leaf versions						Surcharge €
Pearlgrain, galvanized (standard)						No surcharge
Smooth sheet steel, galvanized						Surcharge flat rate 136
Optional extras						Surcharge €
"Close" push button HAT 02, surface-mounted or recessed						Each 2015363 53
Air freight / sea freight packaging (IPPC)						See page 88
Colour coating (for details, see page 64)						
Surface finish galvanized Pearlgrain or smooth galvanized sheet steel	Galvanized as standard	Primed RAL 9002 Per m²	Preferred colours based on RAL Per m²	RAL to choose Per m²	Metallic colours Per m²	Colours according to NCS Per m²
Powder-coated door leaf	–	57	119	142	202	202
Galvanized door frame, smooth	–	93	172	208	290	290
Powder-coated door leaf and door frame	–	93	172	208	290	290
Door leaf and door frame powder-coated in different colours						Surcharge 364

Telescopic fire sliding door FST 30-1-T2 OD

Single-leaf, 2-part (T2)



EL₂30

		1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750
		See the product configurator for greater widths (max. width 12000 mm)													
Clear passage height	8750	15601	15791	16030	16574	17113	17652	18194	18736	19274	19819	21273	22537	23799	25062
	8500	15295	15481	15716	16249	16777	17306	17837	18369	18896	19431	20795	22031	23264	24498
	8250	14995	15178	15408	15930	16448	16966	17488	18009	18525	19050	20327	21535	22741	23947
	8000	14701	14880	15105	15618	16126	16634	17145	17656	18162	18676	19870	21051	22230	23409
	7750	14413	14588	14809	15312	15810	16308	16808	17309	17806	18310	19424	20578	21730	22883
	7500	14131	14302	14519	15012	15500	15988	16479	16970	17457	17951	18987	20115	21242	22368
	7250	13853	14022	14234	14717	15196	15674	16156	16637	17114	17599	18560	19663	20764	21865
	7000	13582	13747	13955	14429	14898	15367	15839	16311	16779	17254	18143	19221	20297	21374
	6750	13315	13477	13681	14146	14606	15066	15528	15991	16450	16915	17735	18789	19841	20893
	6500	13054	13213	13413	13868	14319	14770	15224	15678	16127	16584	17336	18366	19395	20424
	6250	12798	12954	13150	13596	14039	14481	14925	15370	15811	16259	16946	17953	18959	19964
	6000	12547	12700	12892	13330	13763	14197	14633	15069	15501	15940	16565	17550	18533	19515
	5750	12301	12451	12640	13068	13493	13918	14346	14773	15197	15627	16193	17155	18116	19077
	5500	12060	12207	12392	12812	13229	13645	14065	14484	14899	15321	15829	16769	17709	18648
	5250	11824	11967	12149	12561	12969	13378	13789	14200	14607	15020	15473	16392	17310	18229
	5000	11592	11733	11911	12315	12715	13116	13518	13921	14321	14726	15125	16024	16921	17819
	4750	11409	11548	11732	12081	12433	12787	13136	13488	13841	14190	14541	15434	16328	17220
	4500	11230	11366	11550	11853	12153	12455	12755	13055	13360	13660	13960	14846	15731	16620
	4250	11053	11187	11370	11619	11869	12120	12374	12626	12877	13128	13378	14260	15139	16020
	4000	10879	11011	11188	11392	11592	11790	11995	12195	12396	12596	12795	13669	14543	15421
	3750	10707	10838	11021	11209	11403	11592	11783	11976	12167	12352	12546	13331	14117	14905
	3500	10539	10667	10847	11028	11209	11392	11572	11755	11932	12115	12296	12993	13690	14387
	3250	10373	10499	10674	10847	11018	11188	11361	11531	11703	11874	12047	12656	13266	13871
	3000	10210	10334	10502	10664	10825	10987	11151	11312	11474	11634	11796	12318	12837	13358
	2750	10049	10171	10329	10481	10631	10788	10943	11092	11245	11398	11548	11980	12410	12841
	2500	9891	10011	10158	10303	10443	10586	10729	10871	11016	11155	11299	11638	11983	12322
	2250	9735	9853	9988	10119	10251	10387	10516	10653	10785	10915	11047	11302	11553	11808
	2000	9581	9698	9816	9937	10062	10182	10309	10431	10554	10678	10798	10963	11125	11288
		1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750
		Clear passage width													

Door leaf versions						Surcharge €
Pearlgrain, galvanized (standard)						No surcharge
Smooth sheet steel, galvanized						Surcharge flat rate 136
Stainless steel sheet V2 A, 1.4301, K240 polished, smooth						Table price × 2.5
Omission of track panel						Price reduction 226
Colour coating (for details, see page 64)						
Surface finish galvanized Pearlgrain or smooth galvanized sheet steel	Galvanized as standard	Primed RAL 9002 Per m ²	Preferred colours based on RAL Per m ²	RAL to choose Per m ²	Metallic colours Per m ²	Colours according to NCS Per m ²
Powder-coated door leaf	–	57	119	142	202	202
Galvanized door frame, smooth	–	93	172	208	290	290
Powder-coated door leaf and door frame	–	93	172	208	290	290
Door leaf and door frame powder-coated in different colours						Surcharge 364

Steel 2-part telescopic fire sliding door EI₂30

- Tested in accordance with EN 13241 and EN 16034

Standard equipment:

- Product description for standard equipment, see page 3

Optional extras:

- Escape and wicket door (without / with threshold) from page 66
- Fire-resistant glazing, see page 70
- Recess and ceiling flaps from page 82

► **Door leaf weight: 40 kg/m²**

► **Individual door set weight max. 180 kg**

► **Exclusive Pearlgrain surface finish**

The prices do **not** include the hold-open device, including 1 magnet and 1 telescopic anchor.

Calculation basis for direct fitting to the ceiling:

With lintel: clear passage height + lintel = MLH = ceiling height

Without lintel: clear passage height = MLH = ceiling height

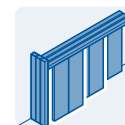
4750	5000	5250	5500	5750	6000	6250	6500	6750	7000	7250	7500	7750	8000	
See the product configurator for greater widths (max. width 12000 mm)														
	26322	27583	28843	30106	31371	31862	32362	32858	35365	35892	36417	36944	37469	8750
	25730	26963	28195	29429	30666	31146	31634	32119	34435	34949	35459	35973	36483	8500
	25152	26356	27561	28767	29977	30445	30923	31397	33530	34030	34527	35027	35524	8250
	24586	25764	26941	28120	29303	29761	30228	30691	32648	33135	33619	34107	34590	8000
	24034	25185	26336	27488	28644	29092	29548	30001	31790	32264	32735	33210	33681	7750
	23493	24618	25743	26870	28000	28438	28884	29326	30954	31416	31875	32337	32795	7500
	22965	24065	25165	26266	27370	27798	28234	28667	30140	30590	31037	31487	31933	7250
	22449	23524	24599	25675	26755	27173	27600	28023	29348	29786	30221	30659	31094	7000
	21944	22995	24046	25098	26153	26563	26979	27393	28576	29003	29426	29853	30276	6750
	21451	22478	23505	24534	25565	25965	26372	26777	27825	28240	28653	29068	29480	6500
	20968	21973	22977	23982	24991	25382	25780	26175	27093	27498	27899	28304	28705	6250
	20497	21479	22460	23443	24429	24811	25200	25586	26381	26775	27166	27560	27951	6000
	20036	20996	21955	22916	23879	24253	24633	25011	25688	26071	26452	26835	27216	5750
	19586	20524	21462	22401	23343	23708	24080	24449	25012	25386	25756	26130	26500	5500
	19145	20062	20979	21897	22818	23175	23538	23899	24355	24718	25079	25443	25804	5250
	18715	19611	20507	21405	22305	22654	23009	23362	23714	24068	24420	24774	25125	5000
	18109	19000	19892	20785	21675	21976	22280	22585	22890	23193	23496	23800	24103	4750
	17505	18389	19275	20160	21047	21301	21554	21810	22061	22316	22570	22826	23077	4500
	16897	17779	18660	19538	20419	20623	20827	21035	21235	21442	21646	21850	22055	4250
	16294	17167	18045	18916	19789	19946	20099	20255	20409	20568	20721	20878	21035	4000
	15690	16474	17260	18047	18828	19016	19198	19381	19566	19749	19931	20117	20300	3750
	15086	15780	16477	17174	17873	18081	18294	18508	18719	18931	19142	19356	19567	3500
	14479	15089	15695	16301	16911	17151	17391	17632	17874	18111	18355	18594	18832	3250
	13876	14393	14914	15431	15952	16218	16488	16758	17024	17294	17563	17830	18100	3000
	13271	13699	14128	14560	14991	15288	15584	15881	16181	16477	16776	17071	17368	2750
	12662	13006	13349	13689	14031	14358	14681	15010	15331	15659	15984	16307	16634	2500
	12060	12315	12566	12817	13072	13427	13778	14130	14486	14840	15195	15547	15900	2250
	11454	11618	11783	11947	12111	12494	12876	13256	13638	14023	14405	14785	15169	2000
4750	5000	5250	5500	5750	6000	6250	6500	6750	7000	7250	7500	7750	8000	
Fitting area for wicket door without threshold														
Clear passage width														

Clear passage height
Fitting area for wicket door **without** threshold

Wicket / escape door without threshold and equipment	See page 66
Flush-stopping fire sliding door version (without unattractive guiding profile)	See page 69
Hold-open devices	See page 84
Further optional extras	See page 66 – 86

Telescopic fire sliding door FST 30-1-T3 OD

Single-leaf, 3-part (T3)



EL₂30

		1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750
		See the product configurator for greater widths (max. width 12000 mm)													
Clear passage height	8750	18934	19164	19457	20117	20768	21426	22080	22738	23396	24052	26207	27760	29316	30869
	8500	18599	18825	19113	19761	20401	21047	21690	22336	22982	23627	25643	27163	28685	30205
	8250	18270	18492	18775	19412	20040	20675	21306	21941	22576	23209	25091	26578	28067	29555
	8000	17947	18165	18443	19068	19686	20309	20930	21553	22177	22799	24551	26006	27463	28918
	7750	17630	17844	18117	18731	19338	19950	20560	21172	21784	22395	24022	25446	26872	28296
	7500	17318	17528	17797	18400	18996	19597	20196	20798	21399	21999	23505	24898	26293	27687
	7250	17012	17218	17482	18075	18660	19251	19839	20430	21021	21610	22999	24362	25727	27091
	7000	16711	16914	17173	17755	18330	18910	19488	20069	20649	21228	22504	23838	25174	26508
	6750	16416	16615	16870	17441	18006	18576	19144	19714	20284	20853	22019	23325	24632	25937
	6500	16125	16321	16571	17133	17687	18248	18805	19365	19925	20484	21545	22823	24101	25379
	6250	15840	16033	16278	16830	17375	17925	18473	19023	19573	20122	21082	22331	23583	24832
	6000	15560	15749	15990	16532	17067	17608	18146	18686	19227	19766	20628	21851	23075	24298
	5750	15285	15471	15708	16240	16766	17297	17825	18356	18887	19417	20184	21380	22578	23775
	5500	15015	15197	15430	15953	16469	16991	17510	18032	18553	19073	19749	20920	22092	23263
	5250	14749	14928	15157	15671	16178	16690	17200	17713	18225	18736	19324	20470	21617	22762
	5000	14488	14664	14889	15394	15892	16395	16896	17399	17903	18405	18908	20029	21151	22272
	4750	14260	14433	14666	15101	15542	15982	16420	16861	17304	17737	18178	19294	20407	21523
	4500	14036	14206	14440	14816	15194	15571	15942	16319	16699	17076	17451	18558	19664	20773
	4250	13815	13982	14213	14524	14836	15150	15468	15780	16097	16409	16723	17824	18923	20024
	4000	13597	13762	13987	14239	14489	14738	14992	15243	15495	15744	15994	17088	18179	19275
	3750	13383	13546	13773	14009	14253	14489	14728	14971	15208	15439	15684	16665	17647	18631
	3500	13172	13332	13559	13782	14009	14239	14465	14691	14915	15143	15371	16241	17113	17983
	3250	12965	13122	13343	13559	13772	13987	14201	14415	14629	14844	15059	15820	16581	17341
	3000	12761	12916	13128	13330	13531	13736	13938	14140	14343	14541	14746	15397	16045	16697
	2750	12560	12712	12912	13100	13291	13485	13675	13864	14054	14245	14432	14974	15512	16051
	2500	12362	12512	12699	12877	13055	13235	13410	13587	13767	13943	14121	14550	14978	15402
	2250	12167	12315	12485	12647	12813	12984	13146	13314	13481	13646	13810	14125	14442	14757
	2000	11976	12121	12268	12423	12575	12728	12883	13038	13191	13346	13498	13703	13906	14112
		1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750
		Clear passage width													

Door leaf versions

Pearlgrain, galvanized (standard)	Surcharge €
Smooth sheet steel, galvanized	No surcharge
Stainless steel sheet V2 A, 1.4301, K240 polished, smooth	Surcharge flat rate
Omission of track panel	Table price × 2.5
	Price reduction
	226

Colour coating (for details, see page 64)

Surface finish galvanized Pearlgrain or smooth galvanized sheet steel	Galvanized as standard	Primed RAL 9002 Per m ²	Preferred colours based on RAL Per m ²	RAL to choose Per m ²	Metallic colours Per m ²	Colours according to NCS Per m ²
Powder-coated door leaf	–	57	119	142	202	202
Galvanized door frame, smooth	–	93	172	208	290	290
Powder-coated door leaf and door frame	–	93	172	208	290	290

Door leaf and door frame powder-coated in different colours

Surcharge 364

- Tested in accordance with EN 13241 and EN 16034

- Product description for standard equipment, see page 3

- Escape and wicket door (without / with threshold) from page 66
- Fire-resistant glazing, see page 70
- Recess and ceiling flaps from page 82

- ▶ Door leaf weight: 40 kg/m²
- ▶ Individual door set weight max. 180 kg
- ▶ Exclusive Pearlgrain surface finish

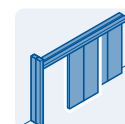
The prices do **not** include the hold-open device, including 1 magnet and 1 telescopic anchor.

Calculation rules for direct fitting to the ceiling:
 With lintel: clear passage height + lintel = MLH = ceiling height
 Without lintel: clear passage height = MLH = ceiling height

HÖRMANN Industrial price list (EN) 10-22.1 37

Telescopic fire sliding door FST 60-1-T2 OD

Single-leaf, 2-part (T2)



EI₂60

Clear passage height															
	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000
5000	11940	12085	12268	12684	13097	13509	13924	14339	14750	15168	15579	16505	17429	18353	19276
4750	11752	11894	12084	12444	12806	13170	13530	13893	14256	14616	14978	15897	16817	17737	18652
4500	11567	11707	11897	12208	12517	12829	13138	13447	13761	14070	14379	15292	16203	17119	18030
4250	11384	11523	11711	11968	12225	12484	12745	13005	13263	13522	13779	14688	15593	16501	17404
4000	11205	11341	11523	11734	11939	12144	12354	12561	12768	12974	13179	14079	14979	15884	16782
3750	11029	11163	11351	11545	11746	11939	12136	12335	12532	12723	12922	13731	14541	15353	16161
3500	10855	10987	11173	11359	11545	11734	11919	12108	12290	12479	12665	13382	14101	14819	15539
3250	10684	10814	10994	11173	11349	11523	11702	11877	12055	12230	12409	13036	13664	14287	14913
3000	10516	10644	10817	10984	11150	11316	11486	11651	11818	11983	12150	12688	13222	13759	14292
2750	10350	10476	10639	10795	10950	11112	11271	11425	11583	11740	11894	12339	12782	13226	13669
2500	10187	10311	10463	10612	10757	10904	11051	11197	11346	11490	11638	11987	12343	12692	13042
2250	10027	10149	10287	10423	10559	10698	10831	10972	11108	11243	11378	11641	11899	12162	12422
2000	9869	9989	10110	10235	10363	10488	10618	10744	10870	10998	11122	11292	11459	11627	11797
Fitting area for wicket door without threshold															
Clear passage width															

Door leaf versions						Surcharge €
Pearlgrain, galvanized (standard)						No surcharge
Smooth sheet steel, galvanized						Surcharge flat rate 136
Stainless steel sheet V2 A, 1.4301, K240 polished, smooth						Table price × 2.5
Omission of track panel						Price reduction 226
Colour coating (for details, see page 64)						
Surface finish galvanized Pearlgrain or smooth galvanized sheet steel	Galvanized as standard	Primed RAL 9002 Per m ²	Preferred colours based on RAL Per m ²	RAL to choose Per m ²	Metallic colours Per m ²	Colours according to NCS Per m ²
Powder-coated door leaf	–	57	119	142	202	202
Galvanized door frame, smooth	–	93	172	208	290	290
Powder-coated door leaf and door frame	–	93	172	208	290	290
Door leaf and door frame powder-coated in different colours						Surcharge 364

Steel 2-part telescopic fire sliding door EI₂60

- Tested in accordance with EN 13241 and EN 16034

Standard equipment:

- Product description for standard equipment, see page 3

Optional extras:

- Escape and wicket door (without / with threshold) from page 66
- Fire-resistant glazing, see page 70
- Recess and ceiling flaps from page 82

- Door leaf weight: 50 kg/m²
- Individual door set weight max. 180 kg
- Exclusive Pearlgrain surface finish

The prices do **not** include the hold-open device, including 1 magnet and 1 telescopic anchor.

Calculation basis for direct fitting to the ceiling:

With lintel: clear passage height + lintel = MLH = ceiling height

	5250	5500	5750	6000	6250	6500	6750	7000	7250	7500	7750	8000	
	20199	21123	22047	22974	23333	23699	24063	24426	24790	25152	25517	25879	5000
	19570	20489	21408	22325	22635	22948	23262	23576	23889	24201	24514	24827	4750
	18940	19853	20764	21679	21940	22201	22465	22723	22986	23247	23510	23769	4500
	18312	19220	20124	21032	21242	21452	21666	21872	22086	22295	22506	22717	4250
	17682	18586	19483	20383	20545	20702	20863	21022	21185	21342	21504	21666	4000
	16969	17778	18589	19393	19587	19774	19963	20153	20342	20529	20721	20909	3750
	16254	16971	17689	18409	18623	18843	19063	19280	19499	19716	19937	20154	3500
	15541	16166	16790	17419	17665	17912	18161	18410	18655	18905	19152	19397	3250
	14825	15362	15894	16431	16705	16983	17261	17535	17813	18090	18365	18643	3000
	14110	14552	14997	15441	15747	16052	16357	16666	16971	17279	17583	17889	2750
	13397	13749	14100	14451	14789	15121	15460	15791	16128	16463	16797	17133	2500
	12684	12943	13201	13464	13830	14192	14554	14921	15285	15651	16013	16377	2250
	11967	12136	12305	12475	12869	13262	13654	14047	14444	14837	15228	15624	2000
	5250	5500	5750	6000	6250	6500	6750	7000	7250	7500	7750	8000	
Fitting area for wicket door without threshold													
Clear passage width													

Clear passage height

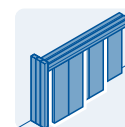
Fitting area for wicket door **without** threshold

2100

Wicket / escape door without threshold and equipment	See page 66
Hold-open devices	See page 84
Further optional extras	See page 66 – 86

Telescopic fire sliding door FST 60-1-T3 OD

Single-leaf, 3-part (T3)



EL₂60

		1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000
		1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000
Clear passage height	5000	14923	15104	15336	15856	16369	16887	17403	17921	18440	18957	19475	20630	21786	22940	24096
	4750	14688	14866	15106	15554	16008	16462	16913	17367	17823	18269	18723	19872	21019	22168	23317
	4500	14457	14632	14873	15261	15650	16038	16420	16808	17200	17588	17974	19115	20254	21397	22537
	4250	14229	14402	14639	14960	15281	15605	15932	16254	16580	16901	17225	18358	19491	20625	21756
	4000	14005	14175	14406	14666	14923	15181	15442	15700	15960	16216	16473	17601	18724	19853	20978
	3750	13784	13952	14186	14429	14680	14923	15170	15420	15664	15902	16154	17165	18176	19190	20199
	3500	13567	13732	13965	14195	14429	14666	14899	15132	15363	15597	15832	16728	17627	18523	19420
	3250	13354	13516	13743	13965	14185	14406	14627	14847	15068	15289	15510	16295	17079	17861	18640
	3000	13143	13303	13522	13730	13937	14148	14356	14564	14773	14978	15188	15859	16526	17197	17863
	2750	12936	13094	13300	13493	13690	13889	14086	14280	14476	14673	14865	15424	15977	16533	17085
	2500	12733	12887	13080	13263	13447	13632	13813	13995	14180	14361	14545	14987	15428	15865	16307
	2250	12532	12684	12860	13027	13197	13373	13540	13713	13885	14056	14224	14548	14876	15200	15527
	2000	12335	12485	12636	12795	12952	13109	13270	13429	13587	13747	13903	14114	14323	14536	14748
		1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000
		Clear passage width														

Door leaf versions						Surcharge €
Pearlgrain, galvanized (standard)						No surcharge
Smooth sheet steel, galvanized						Surcharge flat rate 136
Stainless steel sheet V2 A, 1.4301, K240 polished, smooth						Table price × 2.5
Omission of track panel						Price reduction 226
Colour coating (for details, see page 64)						
Surface finish galvanized Pearlgrain or smooth galvanized sheet steel	Galvanized as standard	Primed RAL 9002 Per m ²	Preferred colours based on RAL Per m ²	RAL to choose Per m ²	Metallic colours Per m ²	Colours according to NCS Per m ²
Powder-coated door leaf	–	57	119	142	202	202
Galvanized door frame, smooth	–	93	172	208	290	290
Powder-coated door leaf and door frame	–	93	172	208	290	290
Door leaf and door frame powder-coated in different colours						Surcharge 364

Steel 3-part telescopic fire sliding door EI₂60

- Tested in accordance with EN 13241 and EN 16034

Standard equipment:

- Product description for standard equipment, see page 3

Optional extras:

- Escape and wicket door (without / with threshold) from page 66
- Fire-resistant glazing, see page 70
- Recess and ceiling flaps from page 82

► Door leaf weight: 50 kg/m²

► Individual door set weight max. 180 kg

► Exclusive Pearlgrain surface finish

The prices do **not** include the hold-open device, including 1 magnet and 1 telescopic anchor.

Calculation basis for direct fitting to the ceiling:

With lintel: clear passage height + lintel = MLH = ceiling height

	5250	5500	5750	6000	6250	6500	6750	7000	7250	7500	7750	8000	
	25248	26403	27557	28714	29168	29623	30077	30531	30987	31443	31895	32351	5000
	24462	25611	26759	27905	28295	28686	29077	29469	29861	30250	30642	31032	4750
	23676	24814	25957	27098	27425	27752	28081	28406	28731	29058	29388	29712	4500
	22891	24024	25154	26289	26550	26816	27083	27341	27608	27870	28130	28395	4250
	22104	23229	24356	25481	25681	25878	26078	26277	26478	26679	26881	27083	4000
	21208	22223	23234	24244	24483	24719	24952	25191	25423	25660	25897	26138	3750
	20317	21212	22113	23009	23279	23554	23827	24101	24372	24646	24921	25192	3500
	19422	20209	20988	21773	22082	22391	22701	23011	23319	23631	23942	24247	3250
	18532	19200	19867	20538	20881	21226	21575	21919	22265	22612	22956	23304	3000
	17638	18189	18746	19301	19684	20066	20448	20832	21212	21596	21976	22360	2750
	16745	17186	17625	18064	18485	18903	19324	19742	20159	20577	20996	21416	2500
	15856	16176	16503	16829	17284	17740	18192	18652	19106	19562	20015	20468	2250
	14958	15170	15382	15590	16086	16578	17068	17558	18053	18547	19036	19530	2000
	5250	5500	5750	6000	6250	6500	6750	7000	7250	7500	7750	8000	
Fitting area for wicket door without threshold													
Clear passage width													

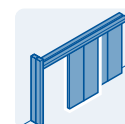
Clear passage height

Fitting area for wicket door **without** threshold

Wicket / escape door without threshold and equipment	See page 66
Hold-open devices	See page 84
Further optional extras	See page 66 – 86

Telescopic fire sliding door FST 90-1-T2 OD

Single-leaf, 2-part (T2)



EI₂90

Clear passage height															
	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000
5000	13134	13293	13495	13953	14406	14860	15316	15773	16225	16684	17137	18155	19172	20189	21204
4750	12927	13084	13293	13688	14086	14487	14883	15282	15682	16077	16475	17487	18499	19510	20517
4500	12723	12878	13086	13429	13769	14112	14452	14792	15137	15477	15817	16821	17824	18830	19833
4250	12523	12675	12882	13165	13448	13732	14019	14305	14590	14874	15157	16157	17152	18151	19145
4000	12326	12475	12675	12907	13133	13358	13590	13817	14045	14271	14497	15487	16477	17472	18461
3750	12132	12279	12486	12700	12920	13133	13350	13569	13785	13995	14214	15104	15995	16888	17777
3500	11941	12086	12290	12495	12700	12907	13111	13318	13519	13726	13931	14721	15511	16301	17093
3250	11752	11895	12094	12290	12483	12675	12872	13065	13260	13453	13650	14339	15031	15716	16404
3000	11567	11708	11899	12082	12264	12448	12634	12816	13000	13182	13365	13957	14544	15134	15722
2750	11385	11524	11703	11875	12045	12223	12398	12567	12741	12914	13084	13573	14061	14548	15036
2500	11206	11342	11509	11673	11832	11994	12156	12317	12481	12639	12802	13186	13577	13961	14346
2250	11029	11163	11316	11465	11615	11768	11915	12070	12219	12367	12516	12805	13089	13378	13664
2000	10856	10988	11121	11259	11400	11536	11680	11818	11957	12098	12235	12421	12604	12789	12977
	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000

Fitting area for wicket door **without** threshold

Clear passage width

Door leaf versions						Surcharge €
Pearlgrain, galvanized (standard)						No surcharge
Smooth sheet steel, galvanized						Surcharge flat rate 136
Stainless steel sheet V2 A, 1.4301, K240 polished, smooth						Table price × 2.5
Omission of track panel						Price reduction 226
Colour coating (for details, see page 64)						
Surface finish galvanized Pearlgrain or smooth galvanized sheet steel	Galvanized as standard	Primed RAL 9002 Per m ²	Preferred colours based on RAL Per m ²	RAL to choose Per m ²	Metallic colours Per m ²	Colours according to NCS Per m ²
Powder-coated door leaf	–	57	119	142	202	202
Galvanized door frame, smooth	–	93	172	208	290	290
Powder-coated door leaf and door frame	–	93	172	208	290	290
Door leaf and door frame powder-coated in different colours						Surcharge 364

Steel 2-part telescopic fire sliding door EI₂90

- Tested in accordance with EN 13241 and EN 16034

Standard equipment:

- Product description for standard equipment, see page 3

Optional extras:

- Escape and wicket door (without / with threshold) from page 66
- Fire-resistant glazing, see page 70
- Recess and ceiling flaps from page 82

- Door leaf weight: 50 kg/m²
- Individual door set weight max. 180 kg
- Exclusive Pearlgrain surface finish

The prices do **not** include the hold-open device, including 1 magnet and 1 telescopic anchor.

Calculation basis for direct fitting to the ceiling:

With lintel: clear passage height + lintel = MLH = ceiling height

	5250	5500	5750	6000	6250	6500	6750	7000	7250	7500	7750	8000	
	22219	23235	24252	25271	25667	26069	26469	26868	27269	27668	28069	28467	5000
	21527	22538	23549	24557	24899	25243	25588	25934	26278	26621	26965	27309	4750
	20834	21838	22841	23846	24134	24421	24711	24995	25284	25571	25862	26146	4500
	20143	21141	22137	23135	23366	23597	23832	24060	24294	24525	24757	24988	4250
	19451	20445	21432	22421	22599	22773	22949	23124	23303	23477	23654	23832	4000
	18666	19556	20447	21332	21545	21752	21959	22168	22376	22582	22793	23000	3750
	17879	18668	19458	20250	20486	20728	20969	21208	21449	21688	21931	22170	3500
	17095	17782	18469	19160	19432	19704	19977	20251	20520	20796	21068	21336	3250
	16308	16898	17484	18074	18375	18681	18987	19288	19594	19899	20201	20507	3000
	15521	16008	16497	16985	17322	17657	17993	18333	18668	19007	19341	19678	2750
	14736	15124	15510	15897	16268	16633	17006	17370	17741	18109	18476	18846	2500
	13953	14237	14521	14810	15213	15611	16009	16413	16814	17216	17615	18014	2250
	13163	13350	13536	13722	14156	14588	15019	15451	15888	16320	16751	17186	2000
	5250	5500	5750	6000	6250	6500	6750	7000	7250	7500	7750	8000	
Fitting area for wicket door without threshold													
Clear passage width													

Clear passage height

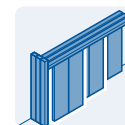
Fitting area for wicket door **without** threshold

2100

Wicket / escape door without threshold and equipment	See page 66
Hold-open devices	See page 84
Further optional extras	See page 66 – 86

Telescopic fire sliding door FST 90-1-T3 OD

Single-leaf, 3-part (T3)



EI₂90

		1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000
		1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000
Clear passage height	5000	16415	16615	16869	17441	18006	18576	19143	19714	20284	20853	21423	22693	23964	25234	26506
	4750	16157	16353	16616	17110	17609	18108	18604	19104	19606	20096	20595	21860	23121	24385	25648
	4500	15902	16096	16360	16787	17215	17642	18063	18489	18920	19347	19772	21026	22279	23536	24791
	4250	15652	15842	16103	16456	16810	17165	17525	17879	18237	18592	18947	20194	21440	22687	23932
	4000	15406	15593	15847	16133	16416	16699	16986	17270	17556	17838	18121	19361	20597	21838	23076
	3750	15163	15347	15605	15872	16148	16416	16687	16962	17231	17492	17770	18882	19994	21109	22219
	3500	14924	15105	15362	15615	15872	16133	16389	16645	16899	17157	17415	18401	19389	20375	21362
	3250	14689	14868	15117	15362	15604	15847	16090	16332	16575	16818	17061	17925	18786	19647	20504
	3000	14458	14633	14874	15103	15331	15562	15791	16020	16251	16475	16707	17445	18179	18917	19650
	2750	14230	14403	14629	14843	15059	15278	15494	15707	15924	16140	16352	16966	17575	18186	18794
	2500	14006	14176	14388	14590	14792	14995	15194	15395	15598	15797	15999	16485	16970	17451	17937
	2250	13785	13953	14146	14329	14517	14711	14894	15085	15274	15461	15646	16003	16363	16720	17080
	2000	13568	13733	13900	14075	14247	14420	14597	14772	14945	15122	15294	15525	15756	15989	16222
Clear passage width		1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000

Door leaf versions						Surcharge €
Pearlgrain, galvanized (standard)						No surcharge
Smooth sheet steel, galvanized						Surcharge flat rate 136
Stainless steel sheet V2 A, 1.4301, K240 polished, smooth						Table price × 2.5
Omission of track panel						Price reduction 226
Colour coating (for details, see page 64)						
Surface finish galvanized Pearlgrain or smooth galvanized sheet steel	Galvanized as standard	Primed RAL 9002 Per m ²	Preferred colours based on RAL Per m ²	RAL to choose Per m ²	Metallic colours Per m ²	Colours according to NCS Per m ²
Powder-coated door leaf	–	57	119	142	202	202
Galvanized door frame, smooth	–	93	172	208	290	290
Powder-coated door leaf and door frame	–	93	172	208	290	290
Door leaf and door frame powder-coated in different colours						Surcharge 364

Steel 3-part telescopic fire sliding door EI₂90

- Tested in accordance with EN 13241 and EN 16034

Standard equipment:

- Product description for standard equipment, see page 3

Optional extras:

- Escape and wicket door (without / with threshold) from page 66
- Fire-resistant glazing, see page 70
- Recess and ceiling flaps from page 82

- Door leaf weight: 50 kg/m²
- Individual door set weight max. 180 kg
- Exclusive Pearlgrain surface finish

The prices do **not** include the hold-open device, including 1 magnet and 1 telescopic anchor.

Calculation basis for direct fitting to the ceiling:

With lintel: clear passage height + lintel = MLH = ceiling height

	5250	5500	5750	6000	6250	6500	6750	7000	7250	7500	7750	8000	
	27773	29043	30313	31586	32085	32585	33085	33584	34086	34588	35084	35586	5000
	26908	28172	29435	30695	31125	31554	31985	32416	32847	33275	33706	34135	4750
	26044	27295	28552	29808	30168	30528	30889	31247	31604	31964	32327	32683	4500
	25180	26426	27669	28918	29205	29498	29791	30075	30368	30657	30943	31234	4250
	24314	25551	26792	28029	28249	28465	28686	28905	29125	29347	29569	29791	4000
	23329	24445	25557	26668	26931	27191	27447	27710	27965	28227	28487	28751	3750
	22349	23333	24324	25310	25607	25910	26210	26511	26809	27110	27413	27712	3500
	21365	22229	23087	23950	24290	24630	24971	25313	25651	25994	26337	26672	3250
	20385	21120	21854	22592	22969	23349	23733	24111	24492	24873	25251	25634	3000
	19402	20008	20621	21231	21652	22073	22492	22915	23333	23755	24173	24596	2750
	18419	18904	19388	19870	20334	20793	21257	21716	22175	22635	23095	23558	2500
	17441	17794	18154	18512	19013	19515	20011	20517	21016	21518	22016	22515	2250
	16454	16687	16921	17150	17694	18236	18775	19314	19859	20402	20940	21483	2000
	5250	5500	5750	6000	6250	6500	6750	7000	7250	7500	7750	8000	
Fitting area for wicket door without threshold													
Clear passage width													
													2100
													Clear passage height
													Fitting area for wicket door without threshold

Wicket / escape door without threshold and equipment	See page 66
Hold-open devices	See page 84
Further optional extras	See page 66 – 86

High-speed multi-purpose sliding door FST S MZ-1

Single-leaf

Up to 2875 mm width

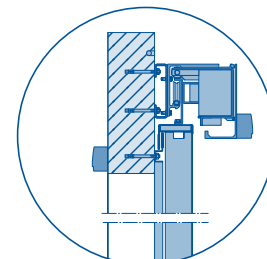


- High-speed steel multi-purpose sliding door
- In panel style, panel width 230 – 1555 mm
- Depth 72 mm, sheet thickness 0.75 mm
- Prepared for operator fitting
- Door leaf without recessed lever handle, without lock
- Door frame with guiding profile, without weight box
- Aluminium track and panel included in the operator package
- Without magnet, without telescopic anchor, without hold-open device

- **Door leaf weight:**
 - With honeycomb infill: 30 kg/m²
 - With mineral wool insulation: 40 kg/m²
- **Max. door leaf weight for operator:** 1 x 450 kg, single-leaf
- **Opening widths for single-leaf version:** 800 – 2800 mm (larger opening widths on request)

► The stated prices are for the door leaf prepared for an operator.

► For operator (optional) and safety components see page 50



Surface finish:

The entire door is made of Sendzimir-galvanized material without primer coating.
Standard surface finish version Pearlgrain or alternatively smooth sheet steel.

Fitting area for wicket door without threshold	2100	Clear passage height	4000 *	3188	3380	3576	3769	3963	4155	4348	-	-
			3750	3147	3331	3511	3693	3874	4053	4235	-	-
			3500	3107	3280	3447	3616	3784	3955	4123	4293	4378
			3250	3069	3225	3383	3542	3697	3853	4010	4167	4246
			3000	3029	3172	3319	3466	3607	3753	3899	4043	4116
			2750	2990	3122	3253	3389	3522	3654	3784	3919	3984
			2500	2951	3071	3189	3310	3433	3552	3671	3794	3855
			2250	2911	3019	3128	3237	3344	3452	3560	3669	3722
			2000	2872	2966	3065	3161	3253	3354	3448	3545	3594
				1000	1250	1500	1750	2000	2250	2500	2750	2805 *
Fitting area for wicket door without threshold												
Clear passage width												

* Larger doors available on request after technical clarification. Operator speed reduced, if necessary.
At a maximum width of 2805 mm, a maximum height of 3500 mm is possible.
The maximum height of 4000 mm is available up to a width of 2480 mm.

Door leaf versions						Surcharge €
Pearlgrain, galvanized (standard)						No surcharge
Smooth sheet steel, galvanized						Surcharge flat rate 136
Stainless steel sheet V2 A, 1.4301, K240 polished, smooth						Table price x 2.5
Door leaf infill with mineral wool insulation instead of honeycomb infill						Per m ² 87
Colour coating (for details, see page 64)						€
Surface finish galvanized Pearlgrain or smooth galvanized sheet steel	Galvanized as standard	Primed RAL 9002 Per m ²	Preferred colours based on RAL Per m ²	RAL to choose Per m ²	Metallic colours Per m ²	Colours according to NCS Per m ²
Powder-coated door leaf and door frame	–	93	172	208	290	290
Operators for single-leaf doors						See page 50
Further optional extras						See page 66 – 86

High-speed multi-purpose sliding door FST S MZ-2

Double-leaf

Up to 3000 mm width

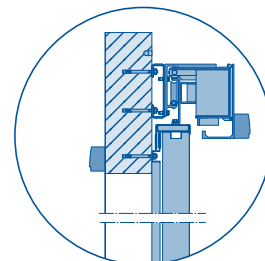


- High-speed steel multi-purpose sliding door
- In panel style, panel width 230 – 1555 mm
- Depth 72 mm, sheet thickness 0.75 mm
- Prepared for operator fitting
- Door leaf without recessed lever handle, without lock
- Door frame with guiding profile, without weight box
- Aluminium track and panel included in the operator package
- Without magnet, without telescopic anchor, without hold-open device

- **Door leaf weight:**
 - With honeycomb infill: 30 kg/m²
 - With mineral wool insulation: 40 kg/m²
- **Max. door leaf weight for operator:** 2 x 300 kg, double-leaf
- **Opening widths for double-leaf version:** 1500 – 3000 mm (larger opening widths on request)

► The stated prices are for the door leaf prepared for an operator.

► For operator (optional) and safety components see page 50



Surface finish:

The entire door is made of Sendzimir-galvanized material without primer coating. Standard surface finish version Pearlgrain or alternatively smooth sheet steel.

Fitting area for wicket door without threshold	2100	Clear passage height	4000 *	7103	7175	7250	7381	7510	7642	7770
			3750	6995	7065	7138	7261	7386	7510	7633
			3500	6889	6958	7028	7147	7261	7381	7497
			3250	6777	6845	6915	7028	7138	7250	7360
			3000	6669	6735	6807	6911	7015	7118	7222
			2750	6558	6624	6691	6789	6891	6986	7089
			2500	6448	6512	6582	6673	6765	6861	6951
			2250	6339	6403	6471	6556	6642	6728	6814
			2000	6241	6304	6361	6438	6519	6601	6678
			1500	1750	2000	2250	2500	2750	3000 *	
Clear passage width										
			Fitting area for wicket door without threshold							

* Larger doors available on request after technical clarification. Operator speed reduced, if necessary.

Door leaf versions						Surcharge €
Pearlgrain, galvanized (standard)						No surcharge
Smooth sheet steel, galvanized						Surcharge flat rate 136
Stainless steel sheet V2 A, 1.4301, K240 polished, smooth						Table price x 2.5
Door leaf infill with mineral wool insulation instead of honeycomb infill						Per m ² 87
Colour coating (for details, see page 64)						€
Surface finish galvanized Pearlgrain or smooth galvanized sheet steel	Galvanized as standard	Primed RAL 9002 Per m ²	Preferred colours based on RAL Per m ²	RAL to choose Per m ²	Metallic colours Per m ²	Colours according to NCS Per m ²
Powder-coated door leaf and door frame	–	93	172	208	290	290
Operators for double-leaf doors						See page 50
Further optional extras						See page 66 – 86

High-speed fire sliding door FST S 30-1

Single-leaf

Up to 2875 mm width



EL₂30

- High-speed steel fire sliding door
- Tested in accordance with EN 16341-1
- In panel style, panel width 230 – 1555 mm
- Depth 72 mm, sheet thickness 0.75 mm
- With fire-retarding insulation
- Prepared for operator fitting
- Door leaf without recessed lever handle, without lock
- Door frame with guiding profile, without weight box
- Aluminium track and panel included in the operator package
- Without magnet, without telescopic anchor, without hold-open device

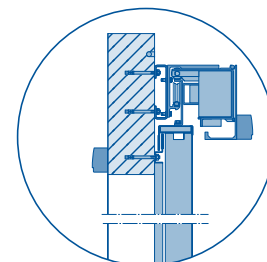
- Door leaf weight 40 kg/m²
- Max. door leaf weight for operator: 1 x 450 kg, single-leaf
- Opening widths for single-leaf version: 800 – 2800 mm (larger opening widths on request)
- **Note: Please contact the factory prior to ordering (product currently without CE marking)**

► The stated prices are for the door leaf prepared for an operator including top labyrinth profile, therefore the door leaf can also be ordered without an operator.

► For operator (optional) and safety components see page 50

Surface finish:

The entire door is made of Sendzimir-galvanized material without primer coating.
Standard surface finish version Pearlgrain or alternatively smooth sheet steel.



Fitting area for wicket door without threshold	2100	Clear passage height	4000 *	3983	4225	4467	4708	4950	5194	5435	-	-
			3750	3934	4161	4388	4614	4840	5065	5292	-	-
			3500	3884	4096	4308	4517	4730	4942	5150	5366	5470
			3250	3833	4033	4226	4425	4620	4816	5011	5207	5308
			3000	3786	3968	4147	4329	4509	4689	4873	5053	5143
			2750	3735	3901	4068	4234	4399	4565	4730	4897	4981
			2500	3687	3837	3986	4137	4290	4441	4590	4742	4817
			2250	3636	3772	3907	4043	4180	4315	4450	4585	4652
			2000	3587	3707	3830	3950	4068	4189	4310	4428	4492
										</		

* Larger doors available on request after technical clarification. Operator speed reduced, if necessary.
At a maximum width of 2805 mm, a maximum height of 3500 mm is possible.
The maximum height of 4000 mm is available up to a width of 2480 mm.

Door leaf versions						Surcharge €
Pearlgrain, galvanized (standard)						No surcharge
Smooth sheet steel, galvanized						Surcharge flat rate 136
Stainless steel sheet V2 A, 1.4301, K240 polished, smooth						Table price x 2.5
Colour coating (for details, see page 64)						€
Surface finish galvanized Pearlgrain or smooth galvanized sheet steel	Galvanized as standard	Primed RAL 9002 Per m ²	Preferred colours based on RAL Per m ²	RAL to choose Per m ²	Metallic colours Per m ²	Colours according to NCS Per m ²
Powder-coated door leaf and door frame	–	93	172	208	290	290
Operators for single-leaf doors						See page 50
Further optional extras						See page 66 – 86

High-speed fire sliding door FST S 30-2

Double-leaf

Up to 3000 mm width



El₂30

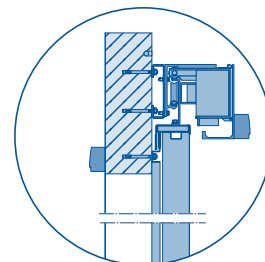
- High-speed steel fire sliding door
- Tested in accordance with EN 16341-1
- In panel style, panel width 230–1555 mm
- Depth 72 mm, sheet thickness 0.75 mm
- With fire-retarding insulation
- Prepared for operator fitting
- Door leaf without recessed lever handle, without lock
- Door frame with guiding profile, without weight box
- Aluminium track and panel included in the operator package
- Without magnet, without telescopic anchor, without hold-open device

- Door leaf weight 40 kg/m²
- Max. door leaf weight for operator: 2 × 300 kg, double-leaf
- Opening widths for double-leaf version: 1500–3000 mm (larger opening widths on request)

► **Note: Please contact the factory prior to ordering (product currently without CE marking)**

► The stated prices are for the door leaf prepared for an operator including top labyrinth profile, therefore the door leaf can also be ordered without an operator.

► For operator (optional) and safety components see page 50



Surface finish:

The entire door is made of Sendzimir-galvanized material without primer coating. Standard surface finish version Pearlgrain or alternatively smooth sheet steel.

Fitting area for wicket door without threshold	2100	Clear passage height	4000 *	8880	8969	9059	9223	9384	9547	9711
			3750	8741	8829	8916	9076	9231	9384	9541
			3500	8608	8694	8736	8929	9076	9223	9370
			3250	8468	8552	8641	8784	8922	9059	9199
			3000	8334	8418	8505	8637	8766	8897	9026
			2750	8198	8280	8365	8488	8612	8735	8858
			2500	8060	8140	8225	8340	8457	8574	8691
			2250	7922	8001	8086	8194	8301	8407	8518
			2000	7799	7877	7949	8048	8147	8248	8346
				1500	1750	2000	2250	2500	2750	3000 *
Clear passage width										
				Fitting area for wicket door without threshold						

* Larger doors available on request after technical clarification. Operator speed reduced, if necessary.

Door leaf versions						Surcharge €
Pearlgrain, galvanized (standard)						No surcharge
Smooth sheet steel, galvanized						Surcharge flat rate 136
Stainless steel sheet V2 A, 1.4301, K240 polished, smooth						Table price × 2.5
Colour coating (for details, see page 64)						€
Surface finish galvanized Pearlgrain or smooth galvanized sheet steel	Galvanized as standard	Primed RAL 9002 Per m ²	Preferred colours based on RAL Per m ²	RAL to choose Per m ²	Metallic colours Per m ²	Colours according to NCS Per m ²
Powder-coated door leaf and door frame	–	93	172	208	290	290
Operators for double-leaf doors						See page 50
Further optional extras						See page 66–86

Operators and optional extras for high-speed sliding doors FST S

MZ

EL₂30

Operator for single-leaf doors, silver-coloured, cover with natural aluminium finish			Article no.	€
Operator Tormax IMotion 2401: Opening speed 40–100 cm/s, closing speed 4–80 cm/s (Speed information per door leaf, depending on door weight, opening width and valid regulations) Including: Raw aluminium transom profile, track profile, track cover, monitored battery unit, control panel, including 10 m connection cable, including track rubber	Per operator		2017106	9217
Safety sensor Tormax 7501 (for use as secondary and main closing edge safety device) Active infrared, with door learning function. Maximum detection area: 3500 mm deep, 3000 mm wide. Fitting height: 1800–3000 mm	Each		2017107	729
Safety sensor Bea LZR-i110 (from LDM > 3000 mm or as an alternative to Tormax 7501) Premium protection solution based on light travel time measurement. Dynamic orientation via laser beams on 4 detection levels	Each		2017109	2024
Electro-magnetic locking (including lock unit and locking hook, including emergency release / manual release)	Each		2017110	779
Cladding profile inside – cladding the distance from the transom profile to the door leaf (Optional)	Flat rate per system		2017111	359
Operator for double-leaf doors, silver-coloured, cover with natural aluminium finish			Article no.	€
Operator Tormax IMotion 2401: Opening speed 40–100 cm/s, closing speed 4–80 cm/s (Speed information per door leaf, depending on door weight, opening width and valid regulations) Including: Raw aluminium transom profile, track profile, track cover, monitored battery unit, control panel, including 10 m connection cable, including track rubber	Per operator		2017112	9863
Safety sensor Tormax 7501 (for use as secondary and main closing edge safety device) Active infrared, with door learning function. Maximum detection area: 3500 mm deep, 3000 mm wide. Fitting height: 1800–3000 mm	Each		2017107	729
Safety sensor Bea LZR-i110 (from LDM > 3000 mm or as an alternative to Tormax 7501) Premium protection solution based on light travel time measurement. Dynamic orientation via laser beams on 4 detection levels	Each		2017109	2024
Electro-magnetic locking (including lock unit and locking hook, with emergency release)	Each		2017110	779
Cladding profile inside – cladding the distance from the transom profile to the door leaf (Optional)	Flat rate per system		2017111	359

Note:

For all high-speed sliding doors FST S, a risk analysis must be carried out during planning or for the actual fitting situation!

Operator cover colour coating			Article no.	€
Surcharge for anodised colourless operator cover	Surcharge		2017113	457
Surcharge for operator cover in RAL to choose matching door leaf	Surcharge		2017114	569
Operation				€
Operation Control panel MCU32-USIN-7-A (operating unit) (replacement)	Each		2017115	376
Installation kit for control panel EDIZIO – for fitting of the safety sensors to the ceiling (Optional)	Each		2017116	76
Surface-mounted frame 1 x 1 EDIZIO, height: 54 mm – for surface-mounted fitting of the safety sensors to the ceiling (Optional)	Each		2017117	26
Accessories				€
I/O module MCU32-INOUE-A with module carrier (input / output module) (Optional)	Each		2017118	585
Relay module MCU32-RELA-24-1-A without module carrier (Optional)	Each		2017119	107
Monitored battery unit 7 Ah MCU32-MBTU-24-7-A (replacement)	Each		2017121	940
Operator doubling profile 35 mm for fitting operator IMotion 2401 for on-site Tormax operator	Each		2017733	349

Notes and sketches

Vertical fire sliding door FHT OD 30-1

Single-leaf

Up to 7000 mm width

EL₂30

		1600	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750
		1600	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750
Clear passage height	6125	24303	24838	25384	25942	26513	27097	27693	28302	28925	29561	30211	30876	31555	32249
	6000	23710	24232	24765	25310	25867	26436	27017	27612	28219	28840	29474	30123	30785	31463
	5750	23132	23641	24161	24692	25236	25791	26358	26938	27531	28136	28755	29388	30035	30695
	5500	22568	23064	23572	24090	24620	25162	25715	26281	26859	27450	28054	28671	29302	29947
	5250	22017	22502	22997	23503	24020	24548	25088	25640	26204	26781	27370	27972	28587	29216
	5000	21480	21953	22436	22929	23434	23949	24476	25015	25565	26127	26702	27290	27890	28504
	4750	20956	21417	21889	22370	22862	23365	23879	24405	24942	25490	26051	26624	27210	27808
	4500	20445	20895	21355	21825	22305	22795	23297	23809	24333	24869	25416	25975	26546	27130
	4250	19947	20385	20834	21292	21761	22239	22729	23229	23740	24262	24796	25341	25899	26469
	4000	19460	19888	20326	20773	21230	21697	22174	22662	23161	23670	24191	24723	25267	25823
	3750	16509	16872	17243	17623	18011	18407	18812	19226	19649	20081	20523	20974	21435	21907
	3500	16106	16461	16823	17193	17571	17958	18353	18757	19169	19591	20022	20462	20913	21373
	3250	15714	16059	16413	16774	17143	17520	17905	18299	18702	19113	19534	19963	20403	20851
	3000	15330	15668	16012	16365	16725	17092	17469	17853	18246	18647	19057	19476	19905	20343
	2750	8974	9171	9373	12772	13053	13340	13634	17417	17801	18192	18592	19001	19419	19847
	2500	8755	8948	9144	12461	12735	13015	13301	16993	17366	17748	18139	18538	18946	19363
	2250	8541	8729	8921	12157	12424	12698	12977	13428	13724	14026	14334	14650	14972	15301
	2000	8333	8516	8704	11860	12121	12388	12660	13101	13389	13684	13985	14292	14607	14928
	1750	8125	8304	8486	11564	11818	12078	12344	12773	13054	13341	13635	13935	14241	14555
	1500	7922	8096	8274	11275	11523	11776	12035	12454	12728	13008	13294	13587	13885	14191
	1290	7724	7894	8067	10993	11235	11482	11734	12143	12410	12683	12962	13247	13538	13836
		1600	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750
		Clear passage width													

Door leaf versions						Surcharge €
Pearlgrain, galvanized (standard)						No surcharge
Smooth sheet steel, galvanized						Surcharge flat rate 136
Colour coating (for details, see page 64)						
Surface finish smooth sheet steel, galvanized	Galvanized as standard	Primed RAL 9002 Per m ²	Preferred colours based on RAL Per m ²	RAL to choose Per m ²	Metallic colours Per m ²	Colours according to NCS Per m ²
Door leaf, side guide and weight box coated	–	93	172	208	290	290

Steel vertical fire sliding door HT FST EI₂30

Standard equipment:

- Product description for standard equipment, see page 6
- With counter weight
- Roller carriers and roller units in galvanized version as standard
- As standard with spur gear motor, 400 V

- Door leaf weight: 50 kg/m²
- Individual door set weight max. 180 kg
- Max. 1100 kg door leaf weight

The prices do **not** include the hold-open device, but are incl. spur gear motor, incl. pre-assembled cable set and motor plug to connect the motor with the hold-open device control

4750	5000	5250	5500	5750	6000	6250	6500	6750	7000	
	32959	33684	34425	35182	35956	36747	37556	38382	39226	6125
	32155	32862	33585	34324	35079	35851	36640	37446	38270	6000
	31371	32061	32766	33487	34224	34977	35746	36533	37336	5750
	30606	31279	31967	32670	33389	34124	34874	35642	36426	5500
	29859	30516	31187	31873	32575	33291	34024	34772	35537	5250
	29131	29772	30427	31096	31780	32479	33194	33924	34670	5000
	28420	29046	29685	30338	31005	31687	32384	33097	33825	4750
	27727	28337	28961	29598	30249	30914	31594	32289	33000	4500
	27051	27646	28254	28876	29511	30160	30824	31502	32195	4250
	26391	26972	27565	28171	28791	29425	30072	30734	31410	4000
	22389	22882	23385	23899	24425	24963	25512	26073	26647	3750
	21843	22323	22815	23317	23829	24354	24890	25437	25997	3500
	21310	21779	22258	22748	23248	23760	24282	24817	25363	3250
	20790	21248	21715	22193	22681	23180	23690	24211	24744	3000
	20283	20730	21186	21652	22128	22615	23112	23621	24141	2750
	19789	20224	20669	21124	21588	22063	22549	23045	23552	2500
	15638	15982	16333	16693	17060	17435	17819	18211	18612	2250
	15256	15592	15935	16286	16644	17010	17384	17767	18158	2000
	14875	15202	15537	15879	16228	16585	16950	17323	17704	1750
	14503	14822	15148	15482	15822	16170	16526	16890	17261	1500
	14141	14452	14770	15095	15427	15766	16113	16467	16830	1290
4750	5000	5250	5500	5750	6000	6250	6500	6750	7000	

Clear passage height

Clear passage width

Hold-open device control (mandatory)			€
Control FSA-FLEXControl for vertical sliding doors, 400 V (without emergency power supply)	Surcharge		1602
Control FAA-Plus for vertical sliding doors, 400 V (with emergency power supply)	Surcharge		2492
Emergency battery 12 V / 7 Ah for control FAA-Plus (required 2 x)	Surcharge		105

Optional extras			Article no.	€
1	Wicket / escape door for galvanized or coated vertical sliding doors: 1000 x 2000 mm (standard) EI ₂ 30		2015144	2344
2	Wicket door threshold rail 22 mm (for additional stability)	Surcharge each	2017054	249
	Recommended if the vertical sliding door is not in an escape route.			

For further optional extras for wicket / escape doors, see page 67 point 1.2

Further optional extras	See page 56
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Vertical fire sliding door FHT OD 90-1

Single-leaf

Up to 7000 mm width

EI₂60

EI₂90

	1600	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750
Clear passage height														
6125	28592	29221	29864	30521	31192	31878	32580	33296	34029	34777	35543	36325	37124	37940
6000	27894	28508	29135	29776	30431	31101	31785	32484	33199	33929	34676	35439	36218	37015
5750	27214	27813	28425	29050	29689	30342	31010	31692	32389	33102	33830	34574	35335	36112
5500	26550	27134	27731	28341	28965	29602	30253	30919	31599	32294	33005	33731	34473	35231
5250	25903	26473	27055	27650	28258	28880	29515	30165	30828	31507	32200	32908	33632	34372
5000	25271	25827	26395	26976	27569	28176	28796	29429	30077	30738	31414	32106	32812	33534
4750	24655	25197	25751	26318	26897	27489	28093	28711	29343	29989	30648	31323	32012	32716
4500	24053	24582	25123	25676	26241	26818	27408	28011	28627	29257	29901	30559	31231	31918
4250	23467	23983	24510	25050	25601	26164	26740	27328	27929	28543	29171	29813	30469	31139
4000	22894	23398	23913	24439	24976	25526	26087	26661	27248	27847	28460	29086	29726	30380
3750	19422	19850	20286	20733	21189	21655	22131	22618	23116	23624	24144	24675	25218	25773
3500	18949	19366	19792	20227	20672	21127	21592	22067	22552	23048	23555	24074	24603	25144
3250	18487	18893	19309	19734	20168	20612	21065	21528	22002	22486	22981	23486	24003	24531
3000	18036	18432	18838	19252	19676	20109	20551	21003	21465	21938	22420	22914	23418	23933
2750	10557	10790	11027	15026	15357	15695	16040	20491	20942	21403	21873	22355	22846	23349
2500	10300	10527	10758	14660	14982	15312	15649	19991	20431	20881	21340	21809	22289	22780
2250	10049	10270	10496	14302	14617	14938	15267	15798	16146	16501	16864	17235	17614	18001
2000	9804	10019	10240	13953	14260	14574	14895	15413	15752	16098	16452	16814	17184	17562
1750	9559	9769	9984	13605	13904	14210	14522	15027	15358	15696	16041	16394	16755	17123
1500	9320	9525	9734	13264	13556	13854	14159	14652	14974	15303	15640	15984	16336	16695
1290	9087	9287	9491	12933	13217	13508	13805	14285	14600	14921	15249	15585	15927	16278
	1600	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750
Clear passage width														

Door leaf versions

Pearlgrain, galvanized (standard)

Smooth sheet steel, galvanized

Surcharge €

No surcharge

Surcharge flat rate

136

Colour coating (for details, see page 64)

Surface finish smooth sheet steel, galvanized	Galvanized as standard	Primed RAL 9002 Per m ²	Preferred colours based on RAL Per m ²	RAL to choose Per m ²	Metallic colours Per m ²	Colours according to NCS Per m ²
Door leaf, side guide and weight box coated	–	93	172	208	290	290

Steel vertical fire sliding door HT FST EI₂90

Standard equipment:

- Product description for standard equipment, see page 6
- With counter weight
- Roller carriers and roller units in galvanized version as standard
- As standard with spur gear motor, 400 V

- Door leaf weight: 50 kg/m²
- Individual door set weight max. 180 kg
- Max. 1100 kg door leaf weight

The prices do **not** include the hold-open device, but are incl. spur gear motor, incl. pre-assembled cable set and motor plug to connect the motor with the hold-open device control

4750	5000	5250	5500	5750	6000	6250	6500	6750	7000	
	38775	39628	40500	41391	42302	43232	44183	45155	46149	6125
	37829	38662	39512	40381	41270	42178	43106	44054	45023	6000
	36907	37719	38548	39396	40263	41149	42054	42979	43925	5750
	36006	36799	37608	38436	39281	40145	41029	41931	42854	5500
	35128	35901	36691	37498	38323	39166	40028	40908	41808	5250
	34272	35025	35796	36584	37388	38211	39052	39911	40789	5000
	33436	34171	34923	35691	36476	37279	38099	38937	39794	4750
	32620	33338	34071	34821	35587	36370	37170	37988	38823	4500
	31824	32525	33240	33971	34719	35483	36263	37061	37876	4250
	31048	31731	32429	33143	33872	34617	35379	36157	36953	4000
	26340	26919	27512	28117	28736	29368	30014	30674	31349	3750
	25698	26263	26841	27431	28035	28651	29282	29926	30584	3500
	25071	25622	26186	26762	27351	27953	28568	29196	29838	3250
	24459	24997	25547	26109	26684	27271	27871	28484	29111	3000
	23863	24388	24924	25473	26033	26606	27191	27789	28401	2750
	23281	23793	24316	24851	25398	25957	26528	27111	27708	2500
	18397	18802	19216	19639	20071	20512	20963	21425	21896	2250
	17949	18344	18747	19160	19581	20012	20452	20902	21362	2000
	17500	17885	18278	18681	19092	19512	19941	20380	20828	1750
	17063	17438	17822	18214	18614	19024	19442	19870	20307	1500
	16636	17002	17376	17758	18149	18548	18956	19373	19800	1290
4750	5000	5250	5500	5750	6000	6250	6500	6750	7000	
Clear passage width										Clear passage height

Hold-open device control (mandatory)			€
Control FSA-FLEXControl for vertical sliding doors, 400 V (without emergency power supply)	Surcharge		1602
Control FAA-Plus for vertical sliding doors, 400 V (with emergency power supply)	Surcharge		2492
Emergency battery 12 V / 7 Ah for control FAA-Plus (required 2 x)	Surcharge		105

Optional extras			Article no.	€
1	Wicket / escape door for galvanized or coated vertical sliding doors: 1000 x 2000 mm (standard) EI ₂ 30		2015144	2344
2	Wicket door threshold rail 22 mm (for additional stability)	Surcharge each	2017054	249
	Recommended if the vertical sliding door is not in an escape route.			

For further optional extras for wicket / escape doors, see page 67 point 1.2

Further optional extras	See page 56
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Optional extras

For vertical sliding doors FHT OD

► The following prices are only valid in combination with a vertical fire sliding door and are surcharge items.

1 Hold-open devices for vertical sliding door as fire-rated door FSA			
1.1	Hold-open devices description		
	Hold-open device for vertical sliding doors Consisting of: • Hold-open device control FSA-FLEXControl incl. acoustic alarm system and integrated "Close" push button • Smoke detector including fitting base (note the required number and arrangement, see page 89) • Optional: optical / acoustic alarm system FSA-OAW incl. 2 x flashing warning lights, additional manual release button under glass, smoke detector		
11			
1.2	Hold-open device controls	Article no.	€
1	Control FSA-FLEXControl For use of vertical sliding door as fire-rated door FSA, 400 V Flashing warning light for direct connection to FSA-FLEXControl	2017630	1602
		Each	2017608
2	Control FAA-Plus For use with vertical sliding doors, 400 V	Each	2492
3	Emergency battery 12 V / 7 Ah for control FAA-Plus (required 2 x)	2033816	105
4	Optical and acoustic alarm system FSA-OAW With capacitor buffering for power failures	Each	2033182
	Flashing warning light for connection to the FSA-OAW	Each	2017608
			81
1.3	Fire detector	Article no.	€
1	Optical smoke detector H-RM-4070 (set including fitting base) ► Note the required number and arrangement, see page 89	Per set	4840016
			216
2	Heat sensor H-TM-4070 (set including fitting base) Is used if dust, smoke or steam is to be expected during operation ► Note the required number and arrangement, see page 89 Important: Must not be used for doors in escape and rescue routes!	Per set	4840017
			226
3	Smoke detector mounting bracket (steel) For lintel fitting on the opposite door side (standard). Suitable for optical smoke detectors and thermal smoke detectors	Galvanized	Each
		2033856	15
4	Extended smoke detector mounting bracket (steel) Galvanized, for lintel fitting. Suitable for optical smoke detectors and thermal smoke detectors	L: 541.5 mm	Each
		2015416	102
		L: 700 mm	Each
		2033854	108
1.4	Additional components for hold-open devices	Article no.	€
1	Manual release button FSA-Callpoint, Basis version , (with glass safety pane)	Each	2033187
			457
2	Manual release button FSA-Callpoint, SAFE version (with glass safety pane)	Each	2033185
			457
3	Push button , Open / Close	Each	2033710
			115
4	Mains lead , length 1 m with CEE plug For hold-open device control FSA-FLEXControl	Each	638094
			54
2 Hold-open devices for vertical sliding doors with automated guided vehicle system (FTS)			
2.1	Description		
1	Conveyor system door control FAA-Plus for automated guided vehicle systems (FTS) The conveyor system control FAA-Plus for vertical sliding doors (EI ₂ 30, EI ₂ 90) for track-bound conveyor systems using automated guided vehicle systems FTS (section 2.2 – 1 + 2)		
2.2	Conveyor system door components for FTS system incl. approval by an expert	Article no.	€
1	Control FAA-Plus	Each	2033297
			2492
2	Limit switch incl. mounting plate	Each	2017685
			234
3	Approval by an expert (only in Germany) According to construction technique permit for FAA-Plus (after order placement, acceptance takes place within max. 6 weeks) Important: Orders are generally placed via the regional sales office. Order placement via the factory is possible in special cases.	Basic price for 1 door	
			5695
		Each additional door	
			1484
4	Control heating FAA PLUS for cold store areas (e.g. -24 °C / -24 °C) Thermostat: switching point 5 °C consisting of: • Foil heating for keypad: 24 V – 17 W • Control heating: 230 V AC – 0.44 A – 100 W	Surcharge for section 1	
			925
3 Other			
1	Handle in stainless steel with guiding element	Each	2015064
			89
2	Recessed handle stainless steel with guiding element	Each	2015066
			56
3	Damper for vertical sliding door incl. fixing bracket (2 x required)	Each	2036854
			225
4	Magnetic contact (surface-mounted on door leaf)	Per leaf	2015124
			202

Notes and sketches

Multi-purpose hinged garage door DFT MZ-1

Single-leaf

Up to 5000 mm width



Steel multi-purpose hinged garage door DFT FST MZ-1

Standard equipment:

- Product description for standard equipment, see page 7
- Depth 72 mm, sheet thickness 0.75 mm
- Flush, fully bonded tongue-and-groove element connection
- Element thickness / door leaf thickness 72 mm

Surface finish:

- The entire door is made of Sendzimir-galvanized material without primer coating. Standard surface finish version Pearlgrain or alternatively smooth sheet steel.

► Door leaf weight with mineral wool insulation: 40 kg/m²

► Individual door set weight max. 150 kg

The prices do not include the hold-open device, including 1 black plastic lever handle set, round escutcheon

Clear passage height	5000	8965	9148	9493	10022	10547	11070	11837	12379	12914	13447	14274	14823	15120	15498	15885	16282
	4750	8746	8925	9217	9730	10240	10748	11492	12019	12538	13055	13858	14391	14538	14902	15274	15656
	4500	8533	8707	8949	9447	9941	10435	11158	11669	12173	12675	13455	13972	13979	14328	14687	15054
	4250	8352	8522	8759	9249	9732	10216	10812	11308	11798	12285	12911	13407	13441	13777	14122	14475
	4000	8176	8343	8574	9053	9527	10003	10477	10959	11434	11907	12388	12865	12924	13247	13579	13918
	3750	7998	8161	8389	8833	9280	9728	10172	10620	11067	11517	11961	12407	12427	12738	13056	13383
	3500	7818	7978	8200	8613	9033	9452	9866	10285	10701	11118	11532	11951	11949	12248	12554	12868
	3250	7640	7796	8013	8401	8788	9173	9556	9948	10334	10721	11106	11495	11490	11777	12071	12373
	3000	7460	7612	7825	8183	8541	8897	9255	9613	9965	10324	10681	11038	11048	11324	11607	11897
	2750	7281	7430	7638	7969	8293	8617	8946	9274	9600	9929	10251	10579	10623	10888	11161	11440
	2500	5547	5660	5823	6058	8046	8342	8641	8936	9233	9528	9828	10125	10214	10470	10731	11000
	2250	5403	5513	5672	5883	7801	8065	8332	8601	8869	9133	9400	9669	9821	10067	10319	10577
	2000	5261	5369	5524	5713	7550	7786	8023	8263	8503	8736	8974	9213	9444	9680	9922	10170
		1300	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000
		Clear passage width															

Optional extras		€
Tandem overhead door closer TS 4000, silver-coloured		457
Lintel spacer for tandem overhead door closer TS 4000		101
Lever handle set in stainless steel, prepared for profile cylinder, rose escutcheon version type D-110		191
Lever handle set in aluminium, prepared for profile cylinder, rose escutcheon version type D-110		121
Sports hall recessed lever, stainless steel		324
Profile cylinder (PC) 45.5 + 45.5		40
Frame insulation package		243

Door leaf surface finishes		
Pearlgrain, galvanized (standard)		No surcharge
Smooth sheet steel, galvanized	Surcharge flat rate	136

Colour coating						
Surface finish smooth sheet steel, galvanized	Galvanized as standard	Primed RAL 9002 Per m ²	Preferred colours based on RAL Per m ²	RAL to choose Per m ²	Metallic colours Per m ²	Colours according to NCS Per m ²
Powder-coated door leaf and door frame	–	93	172	208	290	290
Door leaf and door frame powder-coated in different colours						Surcharge 364

Fire-rated hinged garage door DFT 30-1 OD

Single-leaf

Up to 3950 mm width

El₂30

Steel fire-rated hinged garage door DFT FST El₂30-1

Standard equipment:

- Product description for standard equipment, see page 7
- Not available with wicket door!
- Depth 72 mm, sheet thickness 0.75 mm
- Flush, fully bonded tongue-and-groove element connection
- Element thickness / door leaf thickness 72 mm

Surface finish:

- The entire door is made of Sendzimir-galvanized material without primer coating. Standard surface finish version Pearlgrain or alternatively smooth sheet steel.

► Door leaf weight: 45 kg/m²

► Individual door set weight max. 150 kg

The prices do **not** include the hold-open device, including

- 1 magnet for wall fitting with angle adjustment counterplate
- 1 tandem overhead door closer TS 4000
- 1 lever handle set in black plastic, round escutcheon

Clear passage height	4500	9409	9650	10148	10643	11136	11859	12370	12875	13377	14156	14673
	4250	9224	9460	9950	10433	10918	11514	12010	12499	12986	13613	14108
	4000	9044	9276	9754	10229	10704	11179	11661	12135	12608	13089	13566
	3750	8863	9090	9534	9981	10429	10874	11322	11769	12218	12662	13108
	3500	8679	8902	9315	9734	10153	10567	10987	11402	11819	12233	12652
	3250	8497	8715	9103	9489	9875	10257	10649	11036	11422	11808	12197
	3000	8313	8527	8884	9242	9598	9956	10314	10667	11026	11382	11740
	2750	8131	8340	8671	8995	9319	9647	9975	10301	10630	10953	11280
	2500	6361	6524	6759	8747	9044	9342	9637	9935	10230	10530	10826
	2250	6215	6374	6585	8503	8766	9034	9302	9571	9834	10102	10370
	2000	6070	6226	6414	8252	8488	8725	8965	9204	9438	9675	9915
		1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	3950
Clear passage width												

Optional extras		€
Tandem overhead door closer TS 4000, silver-coloured (already included in price)		457
Lintel spacer for tandem overhead door closer TS 4000		101
Lever handle set in stainless steel, prepared for profile cylinder, rose escutcheon version type D-110		191
Lever handle set in aluminium, prepared for profile cylinder, rose escutcheon version type D-110		121
Sports hall recessed lever, stainless steel		324
Profile cylinder (PC) 45.5 + 45.5		40

Door leaf surface finishes		
Pearlgrain, galvanized (standard)		No surcharge
Smooth sheet steel, galvanized		Surcharge flat rate 136

Colour coating						
Surface finish smooth sheet steel, galvanized	Galvanized as standard	Primed RAL 9002 Per m ²	Preferred colours based on RAL Per m ²	RAL to choose Per m ²	Metallic colours Per m ²	Colours according to NCS Per m ²
Powder-coated door leaf and door frame	–	93	172	208	290	290
Door leaf and door frame powder-coated in different colours						Surcharge 364

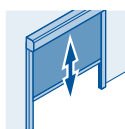
Fire protection curtains FlexFire

Classification “E”

Partition

		Clear passage width													
		1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250
Clear passage height	5310	11120	11232	11345	11460	11548	11662	11777	11893	12011	12129	12249	12370	12492	12615
	5250	10902	11012	11123	11235	11322	11433	11546	11660	11775	11891	12009	12127	12247	12368
	5000	10688	10796	10905	11015	11100	11209	11320	11431	11544	11658	11773	11889	12007	12125
	4750	10478	10584	10691	10799	10885	10992	11101	11210	11321	11432	11545	11659	11774	11891
	4500	10273	10377	10481	10587	10674	10780	10886	10993	11102	11211	11322	11434	11546	11660
	4250	10071	10173	10276	10380	10468	10571	10675	10781	10887	10994	11103	11212	11323	11435
	4000	9874	9974	10074	10176	10266	10367	10469	10572	10676	10782	10888	10995	11104	11213
	3750	9680	9778	9877	9977	10067	10167	10267	10368	10470	10573	10678	10783	10889	10997
	3500	9491	9586	9683	9781	9873	9970	10068	10168	10268	10369	10471	10574	10679	10784
	3250	9304	9398	9493	9589	9682	9778	9874	9971	10069	10169	10269	10370	10472	10575
	3000	9212	9305	9399	9494	9588	9682	9778	9874	9971	10069	10169	10269	10370	10472
	2750	9121	9213	9306	9400	9495	9588	9682	9778	9874	9971	10069	10169	10269	10370
	2500	9031	9122	9214	9307	9402	9495	9588	9682	9778	9874	9971	10069	10169	10269
	2250	8941	9032	9123	9215	9310	9402	9495	9588	9682	9778	9874	9971	10069	10169
	2000	8853	8942	9033	9124	9220	9310	9402	9495	9588	9682	9778	9874	9971	10069
	1750	8765	8854	8943	9034	9128	9217	9308	9400	9492	9586	9680	9775	9871	9969
	1500	8678	8766	8855	8944	9036	9125	9215	9306	9397	9490	9583	9677	9773	9869
	1250	8593	8679	8767	8856	8946	9034	9123	9213	9303	9395	9487	9581	9675	9770
	1000	8507	8593	8680	8768	8856	8944	9032	9120	9210	9301	9392	9485	9578	9673
		1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250

Controls for fire protection curtains FlexFire (mandatory)			Article no.	€
Control FSA-FLEXControl (DACH) with DiBt approval (IP 54, 230 V AC / 24 V DC), for use from +5 °C to +40 °C	Each	2017630		1602
Control FAA-Plus for textile fire protection curtains, 230 V (with emergency power supply)	Each	2033295		2492
Emergency battery 12 V / 7 Ah for control FAA-Plus (required 2x)		2033816		105
Control FSA-FLEXeco Basis	Each	2033299		415
Control FSA-FLEXeco Plus	Each	2033298		1721
Fire detector			Article no.	€
Optical smoke detector H-RM-4070 (set including fitting base)	Per set	4840016		216
► Note the required number and arrangement, see page 89.				
Heat sensor H-TM-4070 (set including fitting base)				
Is used if dust, smoke or steam is to be expected during operation				
► Note the required number and arrangement, see page 89.	Per set	4840017		226
Important: Must not be used for doors in escape and rescue routes!				
Smoke detector mounting bracket (steel)				
For lintel fitting.	Galvanized	Each	2033856	15
Suited for optical smoke detector and heat detector.				
Extended smoke detector mounting bracket (steel), galvanized	L: 541.5 mm	Each	2015416	102
	L: 700 mm	Each	2033854	108
Components for control FSA-FLEXControl / FAA-Plus			Article no.	€
Optical and acoustic alarm system FSA-OAW	Each	2033182		397
With capacitor buffering for power failures				
Manual release button FSA-Callpoint, Safe version, yellow (with glass safety pane)	Each	2033185		457
Push button, Open / Close	Each	2033710		115
Emergency power supply unit USV GLCD 2-1000 for FSA-FLEXControl				
Note: The emergency power supply is not for opening the FlexFire – it only serves to hold the door open in case of power failure.	Each	2017080		1044


E30
E60
E90
E120

4250	4500	4750	5000	5250	5500	
	12740	12866	12993	13155	13287	5310
	12490	12613	12738	12897	13026	5250
	12245	12366	12488	12645	12771	5000
	12008	12127	12246	12397	12521	4750
	11775	11892	12009	12154	12275	4500
	11548	11661	11777	11915	12034	4250
	11324	11436	11549	11682	11798	4000
	11105	11215	11325	11453	11567	3750
	10890	10998	11106	11228	11340	3500
	10680	10785	10891	11008	11118	3250
	10575	10680	10785	10899	11008	3000
	10472	10575	10680	10791	10899	2750
	10370	10472	10575	10684	10791	2500
	10269	10370	10472	10578	10684	2250
	10169	10269	10370	10474	10578	2000
	10067	10166	10266	10369	10473	1750
	9966	10064	10164	10265	10368	1500
	9867	9964	10062	10163	10264	1250
	9768	9864	9961	10061	10162	1000
4250	4500	4750	5000	5250	5500	

Clear passage height

Clear passage width

Fire protection curtain FlexFire

E30, E60, E90, E120

Standard equipment:

- Product description for standard equipment, see page 8
- Motor version with 230 V – 50 Hz as standard.
Optionally with 120 V – 60 Hz. See product configurator for surcharge.
(Article number 4840080)

Optional extras:

- Shaft housing in RAL to choose or preferred colours
- Side guide in RAL to choose or preferred colours

► Curtain weight: approx. 700 g/m²

► Including tubular drive unit

► Including concealed magnetic contact unit

Hold-open device for fire protection curtain FlexFire

Comprising:

- Tubular drive unit (included in the curtain price)
- Control FSA-FLEXControl (DACH) or FSA-FLEXeco (note the surcharge!)
- Smoke detectors including fitting base (optical or thermal smoke detectors) or radio smoke detectors (note the surcharge!)
- Optional extras: optical and acoustic alarm system FSA-OAW, manual release button FSA-Callpoint (display + reset), smoke detector mounting bracket for fitting to lintel, push button DT02 (Open / Close)

The curtain prices include the tubular drive unit, but without control and without fire detectors.

Note:

Fire protection curtains E30 / E60 / E90 / E120 also achieve protection class EW20.

FlexFire with fitting type "in the reveal"	Surcharge €
Side guides and top shaft housing with "in the reveal" version	433
Side guides in the version "in front of the reveal" and top shaft housing with "in the reveal" version	247

* Size range: available up to 5000 x 5000 mm

Colour coating of the side guide and shaft housing	Clear passage width		
	Up to 3000 mm	From 3000 to 4000 mm	From 4000 to 5500 mm
Standard galvanized (standard)	No surcharge	No surcharge	No surcharge
Primed RAL 9002	794	848	902
Preferred colours*	913	973	1026
RAL to choose	1038	1089	1146
Metallic, NCS colours	1163	1216	1270

* RAL 3000 (Flame red), RAL 7016 (Anthracite grey), RAL 7035 (Light grey), RAL 9006 (White aluminium), RAL 9007 (Grey aluminium), RAL 9010 (Pure white), RAL 9016 (Traffic white)

Colour coating of the side guide (shaft housing galvanized)	Surcharge €
Galvanized steel side guide (standard)	No surcharge
Coated side guide, primed in RAL 9002, preferred colours	551
RAL to choose	635
Side guide coated in Metallic, NCS special colour	705

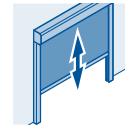
Fire protection curtains FlexFire

Classification “EW”

Radiation reduction

		Clear passage width														
		1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	
Clear passage height	5310															
	5250	14456	14602	14749	14898	15012	15161	15310	15461	15614	15768	15923	16081	16239	16400	
	5000	14172	14315	14460	14606	14718	14863	15010	15158	15308	15459	15611	15765	15921	16078	
	4750	13894	14035	14176	14320	14429	14572	14716	14861	15007	15156	15305	15456	15609	15763	
	4500	13622	13759	13898	14039	14150	14290	14431	14573	14717	14862	15009	15157	15307	15458	
	4250	13355	13490	13626	13764	13877	14014	14152	14291	14432	14575	14718	14864	15010	15158	
	4000	13093	13225	13359	13494	13608	13743	13878	14015	14153	14293	14434	14576	14720	14865	
	3750	12836	12966	13097	13229	13345	13477	13610	13744	13879	14016	14154	14294	14435	14577	
	3500	12584	12712	12840	12970	13088	13217	13347	13478	13611	13745	13881	14018	14156	14295	
	3250	12338	12462	12588	12715	12835	12961	13089	13218	13348	13480	13612	13747	13882	14019	
	3000	12096	12218	12341	12466	12587	12711	12836	12963	13090	13219	13349	13481	13614	13748	
	2750	11976	12097	12219	12343	12464	12587	12711	12836	12963	13090	13219	13349	13481	13614	
	2500	11857	11977	12098	12220	12343	12464	12587	12711	12836	12963	13090	13219	13349	13481	
	2250	11740	11859	11978	12099	12223	12343	12464	12587	12711	12836	12963	13090	13219	13349	
	2000	11624	11741	11860	11980	12104	12223	12343	12464	12587	12711	12836	12963	13090	13219	
	1750	11509	11625	11742	11861	11986	12104	12223	12343	12464	12587	12711	12836	12963	13090	
	1500	11395	11510	11626	11744	11866	11982	12100	12219	12340	12461	12584	12708	12833	12959	
	1250	11282	11396	11511	11627	11747	11863	11979	12097	12216	12337	12458	12581	12705	12830	
	1000	11170	11283	11397	11512	11630	11744	11860	11976	12094	12213	12333	12455	12578	12701	
		11060	11171	11284	11398	11513	11627	11741	11857	11973	12091	12210	12330	12452	12574	

Controls for fire protection curtains FlexFire (mandatory)			Article no.	€
Control FSA-FLEXControl (DACH) with DiBt approval (IP 54, 230 V AC / 24 V DC), for use from +5 °C to +40 °C	Each	2017630		1602
Control FAA-Plus for textile fire protection curtains, 230 V (with emergency power supply)	Each	2033295		2492
Emergency battery 12 V / 7 Ah for control FAA-Plus (required 2x)		2033816		105
Control FSA-FLEXeco Basis	Each	2033299		415
Control FSA-FLEXeco Plus	Each	2033298		1721
Fire detector			Article no.	€
Optical smoke detector H-RM-4070 (set including fitting base)	Per set	4840016		216
► Note the required number and arrangement, see page 89.				
Heat sensor H-TM-4070 (set including fitting base)				
Is used if dust, smoke or steam is to be expected during operation				
► Note the required number and arrangement, see page 89.	Per set	4840017		226
Important: Must not be used for doors in escape and rescue routes!				
Smoke detector mounting bracket (steel)				
For lintel fitting.	Galvanized	Each	2033856	15
Suited for optical smoke detector and heat detector.				
Extended smoke detector mounting bracket (steel), galvanized	L: 541.5 mm	Each	2015416	102
	L: 700 mm	Each	2033854	108
Components for control FSA-FLEXControl / FAA-Plus			Article no.	€
Optical and acoustic alarm system FSA-OAW	Each	2033182		397
With capacitor buffering for power failures				
Manual release button FSA-Callpoint, Safe version, yellow (with glass safety pane)	Each	2033185		457
Push button, Open / Close	Each	2033710		115
Emergency power supply unit USV GLCD 2-1000 for FSA-FLEXControl				
Note: The emergency power supply is not for opening the FlexFire – it only serves to hold the door open in case of power failure.	Each	2017080		1044



4250	4500	4750	5000	5250	5500	
	16562	16725	16891	17102	17273	5310
	16237	16397	16559	16767	16934	5250
	15919	16076	16235	16438	16602	5000
	15610	15764	15920	16116	16277	4750
	15308	15459	15612	15800	15958	4500
	15012	15160	15310	15490	15645	4250
	14721	14867	15013	15186	15338	4000
	14436	14579	14723	14888	15037	3750
	14157	14297	14438	14596	14742	3500
	13883	14020	14159	14310	14453	3250
	13748	13883	14020	14169	14310	3000
	13614	13748	13883	14028	14169	2750
	13481	13614	13748	13889	14028	2500
	13349	13481	13614	13752	13889	2250
	13219	13349	13481	13616	13752	2000
	13087	13216	13346	13480	13614	1750
	12956	13084	13213	13345	13478	1500
	12827	12953	13081	13211	13343	1250
	12698	12823	12950	13079	13210	1000
4250	4500	4750	5000	5250	5500	

Clear passage height

Clear passage width

Fire protection curtain FlexFire

EW30, EW60

Standard equipment:

- Product description for standard equipment, see page 9
- Motor version with 230 V – 50 Hz as standard. Optionally with 120 V – 60 Hz. Surcharge see product configurator. (Article number 4840080)

Optional extras:

- Shaft housing in RAL to choose or preferred colours
- Side guide in RAL to choose or preferred colours

► **Curtain weight: approx. 1700 g/m²**

► **Including tubular drive unit**

► **Including concealed magnetic contact unit**

Hold-open device for fire protection curtain FlexFire

Comprising:

- Tubular drive unit (included in the curtain price)
- Control FSA-FLEXControl (DACH) or FSA-FLEXeco (note the surcharge!)
- Smoke detectors including fitting base (optical or thermal smoke detectors) or radio smoke detectors (note the surcharge!)
- Optional extras: optical and acoustic alarm system FSA-OAW, manual release button FSA-Callpoint (display + reset), smoke detector mounting bracket for fitting to intel, push button DT02 (Open / Close)

The curtain prices include the tubular drive unit, but without control and without fire detectors.

FlexFire with fitting type "in the reveal"	Surcharge €
Side guides and top shaft housing with "in the reveal" version	433
Side guides in the version "in front of the reveal" and top shaft housing with "in the reveal" version	247

* Size range: available up to 5000 x 5000 mm

Colour coating of the side guide and shaft housing	Clear passage width		
	Up to 3000 mm	From 3000 to 4000 mm	From 4000 to 5500 mm
Standard galvanized (standard)	No surcharge	No surcharge	No surcharge
Primed RAL 9002	794	848	902
Preferred colours*	913	973	1026
RAL to choose	1038	1089	1146
Metallic, NCS colours	1163	1216	1270

* RAL 3000 (Flame red), RAL 7016 (Anthracite grey), RAL 7035 (Light grey), RAL 9006 (White aluminium), RAL 9007 (Grey aluminium), RAL 9010 (Pure white), RAL 9016 (Traffic white)

Colour coating of the side guide (shaft housing galvanized)	Surcharge €
Galvanized steel side guide (standard)	No surcharge
Coated side guide, primed in RAL 9002, preferred colours	551
RAL to choose	635
Side guide coated in Metallic, NCS special colour	705

Colour coating and surface finish versions

For fire and multi-purpose sliding doors FST OD

For high-speed sliding doors FST

For hinged garage doors DFT FST

For vertical sliding doors FHT OD

Door leaf surface finishes		
Pearlgrain, galvanized (standard)		No surcharge
Smooth sheet steel, galvanized	Surcharge flat rate	136
Stainless steel sheet V2 A, 1.4301, K240 polished, smooth		Table price × 2.5
Stainless steel sheet V2 A, 1.4301, circular finish, up to a clear passage height (DGLH) of 9000 mm (door leaf only)		Table price × 2.9

Note:

- Wicket door surface finish possible in galvanized Pearlgrain, smooth sheet steel and smooth stainless steel sheet, V2 A, 1.4301.
- Wicket door LDB available up to 1200 mm in Pearlgrain surface finish!



Notes on stainless steel doors:

Stainless steel

Stainless steel is characterised by a percentage of chrome that is greater than 10.5 %. This high percentage of chrome creates a protective, dense passive layer of chromium oxide on the surface of the material. Additional alloy components such as nickel, molybdenum, manganese and niobium improve corrosion resistance even further.

V2 A, material number 1.4301

1.4301 is a relatively soft, nickelous, non-ferromagnetic austenitic steel. This material is not resistant to chloric media such as salt water or chloric atmospheres such as those found in indoor pools.

V4 A, material number 1.4571

V4 A should be used around chloric media. In contrast to V2 A, 1.4301, it has a greater resistance to chlorides thanks to its 2% of molybdenum. It is mainly used in areas with constant contact with salt water. In sliding doors FST only the door leaf is made of the material V4 A.

Colour coating							
Surface finish		Galvanized as standard	Primed Grey white RAL 9002 Per m ²	Preferred colours based on RAL ¹⁾ Per m ²	RAL to choose Per m ²	Metallic colours ²⁾ Per m ²	Colours according to NCS Per m ²
Powder-coated door leaf Galvanized door frame, smooth	Article number		2017071	2017072	2017073	2017076	2017074
	Price in €	–	57	119	142	202	202
Powder-coated door leaf and door frame	Article number		2015418	2017009	2015031	2017075	2017010
	Price in €	–	93	172	208	290	290
Recess / ceiling flaps powder-coated for surface finish version of door leaf and door frame							No surcharge
Door leaf and door frame powder-coated in different colours of the same price group						Surcharge	2017011 364
Wicket / escape door (only door leaf) coated in different colour to the coloured door leaf						Surcharge	2017815 346
Wicket / escape door (only door leaf) coated in colour, door leaf galvanized							
Colour coating for doors above LDH 6000 mm							Article no. €
Fixed handling charge for coating doors above LDH 6000 mm (in addition to the m ² price of the coating)							4840117 1418

1) Preferred colours based on RAL colour chart

- RAL 3000 (Flame red)
- RAL 7016 (Anthracite grey)
- RAL 7035 (Light grey)
- RAL 9006 (White aluminium)

- RAL 9007 (Grey aluminium)
- RAL 9010 (Pure white)
- RAL 9016 (Traffic white)

1) Metallic colours

- DB 701
- DB 702
- DB 703
- CH 703 Anthracite metallic
- CH 907

Gloss level:

- RAL colours max. 35% – 40%, solid colours, dispersing
- Metallic colours silk matt (Pearl metallic, dispersing)
- NCS colours max. 35% – 40%, solid colours, dispersing

Colour coating and surface finish versions

For fire and multi-purpose sliding doors FST OD

For high-speed sliding doors FST

For hinged garage doors DFT FST

For vertical sliding doors FHT OD

Colour coating of recess and ceiling flaps (only for galvanized doors!)	Article no.	€
Recess and ceiling flaps coated in RAL to choose Note: - No surcharge if door from standard range is ordered in RAL to choose - Surcharge must be added for powder-coated (primed) version, Grey white RAL 9002 with simultaneous order of recess / ceiling flaps in RAL to choose	2017012	Flat rate per door 1207
Recess and ceiling flaps coated in metallic or NCS colours Note: - No surcharge if door from standard range is ordered in RAL to choose - Surcharge must be added for powder-coated (primed) version, Grey white RAL 9002 with simultaneous order of recess / ceiling flaps in RAL to choose	2017077	Flat rate per door 1347

Notes on surface coatings

IMPORTANT:

- For coating of door leaf and door frame, the weight box, weight box panel and track panels are also coated along with the door leaf.
- For the "Powder-coated door leaf, galvanized, smooth door frame" coating, only the door leaf is coated. (Weight box, weight box panel and track panels in galvanized, smooth, uncoated version).
- To ensure safe operation of the doors, the following parts are generally not coated:
track, magnet, telescopic anchor, hydraulic track control, travel limit damper, rollers, floor buffer, floor guide roller and cable.

Optional extras

For fire and multi-purpose sliding doors FST OD

► The following prices are only valid in combination with a fire sliding door or multi-purpose sliding door and are surcharge items.

1 Door leaf

Wicket / escape door description:

- Without threshold rail as standard, optionally with wicket door threshold 22 mm (see section "3" on page 66)
- Including slide rail overhead door closer HDC 35 (for EI₂30, EI₂60 and EI₂90 doors)
- Including mortice lock with lever / knob, backset 65 mm, with stainless steel lock cover
- Including 3-way adjustable hinges, galvanized version

Fitting height from door LDH 2100 mm, depth 62 mm door leaf thickness, non-lockable as standard (without cylinder cut-out and cylinder rose escutcheon)

ATTENTION:

- From a wicket door width ≥ 1001 mm top locking is required.
- Wicket door width 1200 mm not available as smoke-tight version!

Standard lever handle combination:

- **Opening into the reveal:** Folding ring recessed handle / half handle set
- **Opening away from the reveal:** Stainless steel sports hall recessed handle / half handle set

Information about lever handle pairs and cylinder lengths can be found on page 90

Notes:

- Wicket door possible in galvanized Pearlgrain, smooth sheet steel and smooth stainless steel sheet V2 A, 1.4301
- Wicket door LDB available up to 1200 mm in Pearlgrain surface finish!
- Wicket door integrated into the door element for EI₂30: LDH ≤ 4500 mm; for EI₂60, EI₂90: LDH ≤ 4000 mm
- Wicket door separate with lintel element for EI₂30: LDH ≥ 4500 mm; for EI₂60, EI₂90: LDH ≥ 4000 mm, for wicket door LDB ≥ 1000 mm in Pearlgrain surface finish
- 2 wicket doors possible per door leaf (also with opposite opening sense)
- Choice of wicket door position depending on the door width
- Wicket door openings possible in both directions (into the reveal, away from the reveal)
- For doors with an operator or opening aid in combination with a wicket / escape door, wicket / escape door protection or monitoring is required
- All locks and lever handle sets for sliding doors are available in PC or RC versions

1.1	Wicket / escape door	Article no.	€
1	Wicket / escape door for galvanized or coated doors:	MZ *	2017013
		1000 × 2000 mm (standard)	2141
		EI ₂ 30	2015144
		EI ₂ 60 / EI ₂ 90	2015145
		1200 × 2000 mm	2017454
		EI ₂ 30	2527
		Special sizes (e.g. 900 × 2000)	2667
2	Wicket / escape door for doors in stainless steel V2 A, 1.4301:	MZ *	2017014
		1000 × 2000 mm (standard)	2667
		EI ₂ 30	2017015
		EI ₂ 60 / EI ₂ 90	2017016
		1200 × 2000 mm	2943
		EI ₂ 30	3945
		Special sizes (e.g. 900 × 2000)	3392
3	Wicket / escape door for doors in stainless steel V2 A, 1.4301:	MZ *	2017994
		1000 × 2000 mm (standard)	3392
		EI ₂ 30	2017995
		EI ₂ 60 / EI ₂ 90	2017998
		1200 × 2000 mm	3713
		EI ₂ 30	5288
		Special sizes (e.g. 900 × 2000)	4216
4	Wicket door threshold rail 22 mm (for additional stability)	MZ *	2017991
		EI ₂ 30	2017990
		EI ₂ 60 / EI ₂ 90	2017992
3	Recommended in combination with compensator, operators and opening aids, for approach ramps and sloped floors Not available in escape routes acc. to DIN EN 179 or EN 1125 The wicket door threshold rail can also be retrofitted (see spare parts price list)	Surcharge each	2017054
4	Smoke protection properties for wicket door / escape door		2015224
	* A door locking magnet for the door leaf must be added for multi-purpose sliding doors with wicket door		2017686

Optional extras

For fire and multi-purpose sliding doors FST OD

► The following prices are only valid in combination with a fire sliding door or multi-purpose sliding door and are surcharge items.

1.2	 Anti-panic devices for wicket doors / escape doors and cylinders	Article no.	€			
1	Anti-panic lock, function B acc. to DIN EN 179 Prepared for profile cylinder (PC) including anti-panic handle set (black half handle set / sports hall recessed handle)	2015177	290			
2	Anti-panic lock, function E acc. to DIN EN 179 Prepared for profile cylinder (PC) including anti-panic lever / knob handle set (sports hall recessed lever / knob)	2017592	209			
3	Push bar acc. to DIN EN 1125 Set consisting of: • Anti-panic lock, prepared for profile cylinder / round cylinder • Push bar with bar handle (concealed handle fitting on the hinge side) Note: • Only possible with wicket door opening into the reveal! • On the opposite side with folding ring recessed handle as standard, black • Optionally with stainless steel folding ring recessed handle or stainless steel sports hall recessed lever • Special length = push bar over full wicket door width • With recess flaps, note the minimum recess width of 280 mm for single-leaf and double-leaf doors • Optionally with stainless steel folding ring recessed handle or stainless steel sports hall recessed lever. Note the surcharge	Special length: Black plastic	2017734	868		
		Special length: Brushed stainless steel	2016997	1688		
4	Touch bar EPN 2000 acc. to DIN EN 1125 in standard and special lengths, suitable for anti-panic devices acc. to DIN EN 1125	Standard length: 670 mm	Aluminium natural finish	4840056	906	
			Brushed stainless steel	4840060	1052	
		Standard length: 870 mm	Aluminium natural finish	4840057	906	
			Brushed stainless steel	4840061	1052	
		Standard length: 1120 mm	Aluminium natural finish	4840058	906	
			Brushed stainless steel	4840062	1052	
		Special length	Aluminium natural finish	4840059	1292	
			Brushed stainless steel	4840063	1555	
		Touch bar, black folding ring recessed handle	Standard length: 670 mm	Aluminium natural finish	4840064	945
				Brushed stainless steel	4840068	1052
	Standard length: 870 mm		Aluminium natural finish	4840065	945	
			Brushed stainless steel	4840069	1052	
	Standard length: 1120 mm		Aluminium natural finish	4840066	945	
			Brushed stainless steel	4840070	1052	
	Special length		Aluminium natural finish	4840067	1330	
			Brushed stainless steel	4840071	1480	
	Touch bar, stainless steel folding ring recessed handle	Standard length: 670 mm	Aluminium natural finish	4840072	1085	
			Brushed stainless steel	4840076	1193	
		Standard length: 870 mm	Aluminium natural finish	4840073	1085	
			Brushed stainless steel	4840077	1193	
		Standard length: 1120 mm	Aluminium natural finish	4840074	1085	
			Brushed stainless steel	4840078	1193	
		Special length	Aluminium natural finish	4840075	1471	
			Brushed stainless steel	4840079	1622	
		Touch bar, sports hall recessed lever V2A	Standard length: 670 mm	Aluminium natural finish	4840072	1085
			Brushed stainless steel	4840076	1193	
Standard length: 870 mm	Aluminium natural finish		4840073	1085		
	Brushed stainless steel		4840077	1193		
Standard length: 1120 mm	Aluminium natural finish		4840074	1085		
	Brushed stainless steel	4840078	1193			
Note: • Standard length 670 mm suitable for wicket / escape doors up to clear passage width 920 mm • Standard length 870 mm suitable for wicket / escape doors up to clear passage width 1170 mm • Standard length 1120 mm suitable for wicket / escape doors from clear passage width 1171 mm • Special length = touch bar over full wicket door width • Only possible with wicket door opening into the reveal! • With recess flaps, note the minimum recess width of 280 mm for single-leaf and double-leaf doors • Anti-panic lock function B or E must be added (point 1, 2)						
5	Wicket / escape door version with round cylinder (RC) instead of profile cylinder (PC)	Surcharge	2017571	89		
6	Profile cylinder (PC) 35.5 + 35.5 mm for wicket door lever handle combination of half handle set / sports hall recessed handle		2015417	40		
7	Profile cylinder (PC) 35.5 + 35.5 mm for wicket door lever handle combination of half handle set / folding ring recessed handle		2015417	40		
8	Profile cylinder (PC) 27.5 + 27.5 mm for wicket door lever handle combination of sports hall recessed handle / sports hall recessed handle		2032998	34		
9	Preparation for profile cylinder (PC) including stainless steel rose escutcheons (wicket door lockable)		2016927	55		
10	Preparation for round cylinder (RC) including stainless steel rose escutcheons (wicket door lockable)		2017056	55		

Optional extras

For fire and multi-purpose sliding doors FST OD

► The following prices are only valid in combination with a fire sliding door or multi-purpose sliding door and are surcharge items.

1.3	Equipment for wicket/ escape doors	Article no.	€
1	Surcharges for lever handle combinations (if not already included as standard)		
	• Sports hall recessed lever, stainless steel	Surcharge each 2015470	324
	• Stainless steel sports hall recessed handle with anti-panic handle acc. to DIN EN 179	Surcharge each 2017628	473
	• Lever handle D-110 in black (only available on the opposite wall side)	Surcharge each 2015473	29
	• Stainless steel lever handle ECO D-110 (only available on the opposite wall side)	Surcharge each 2015791	98
	• Stainless steel knob (only available on the opposite wall side)	Surcharge each 2016579	58
2	3-way adjustable stainless steel hinge set	Surcharge for doors with 2 hinges 2015766	435
3	Concealed overhead door closer ITS 96	2015086	1185
4	Overhead door closer TS 5000, silver-coloured	2015244	87
5	ECline TS 5000 overhead door closer , silver with ECline slide rail and double wall For barrier-free, easy-to-open doors incl. opening support	2030670	169
6	Omission of overhead door closer HDC 35 for wicket doors in multi-purpose sliding doors FST (subsequent retrofitting no longer possible) (€159 plus €39 for preparation)	Price reduction 2017070	252
7	Wicket/ escape door protection or monitoring via radio • Radio signal transmission system including magnetic contact in the door leaf, transmitter, separate receiver and batteries	Each 2017572	719
8	Wicket/ escape door protection or monitoring via signal transmission system with spiral cable • Signal transmission system with spiral cable on the end of the door leaf (wiring inside, in the door leaf and distributor box) Important: For the signal transmission system with spiral cable, only 2 electronic components in combination are possible. 3 electronic components (latch switching contact, electric strike and wicket door monitoring with magnet) only available in combination with protection or monitoring via radio.		
	Basic price:	Up to a door opening width of 6000 mm 2015424	590
		From a door opening width of 6001 mm 2015799	1175
	• Latch switching contact (for wicket door)	Each 2015026	152
	• EFF 143 Profix 1 (without feedback)	Each 2015689	646
	• EFF 143 Profix 1 (with feedback)	Each 2015690	782
	• Dorma 448 Fire (without feedback)	Each 2016073	945
	• Dorma 448 Fire (with feedback)	Each 2016075	1007
9	Door locking magnet for multi-purpose doors FST for single- and double-leaf doors with wicket/ escape door (without operator)	Each 2017686	40
10	Traffic door frame locking	With lock plate 4841145	226
	Recommended for small sliding doors incl. wicket/ escape door. This prevents the door leaf from swinging out.	With floor sleeve 4841146	397

Optional extras

For fire and multi-purpose sliding doors FST OD

► The following prices are only valid in combination with a fire sliding door or multi-purpose sliding door and are surcharge items.

1.4	Door hardware		Article no.	€		
1	Door hardware	Stainless steel recessed handle on both sides (instead of grip handle / recessed handle)	2015768	153		
		Grip handle and recessed handle in stainless steel with guiding element (standard)	No surcharge			
1.5	Door leaf locking		Article no.	€		
1	Mortice curved bolt lock, 120 mm backset, prepared for profile cylinder		2015067	561		
	Mortice curved bolt lock, 250 mm backset, prepared for profile cylinder		2017722	845		
	Mortice hook catch lock, 120 mm backset, prepared for profile cylinder		2015775	845		
	Mortice hook catch lock, 250 mm backset, prepared for profile cylinder		2015499	1269		
	Profile cylinder 40.5 + 40.5 mm for door leaf		2032991	40		
	Preparation for locking cylinder incl. stainless steel rose escutcheons (door leaf lockable)		2016999	55		
	Latch switching contact for curved and hook catch lock - Only possible for single-leaf doors - Not available in combination with electric strike for hook catch lock		2015025	157		
	Electric strike for hook catch lock ATTENTION: Mandatory if using an opening aid, only possible with single-leaf doors. In the standard arrangement, this results in a diverted closing weight behind the opened door leaf. Optional at no surcharge: Arrangement of the closing weight with spacer next to the guiding profile with expanded panel.		2015767	1036		
	2		Magnetic contact (surface-mounted on door leaf)	Per leaf	2015124	202
	1.6	Flush-stopping fire sliding door EI ₂₃₀ (without unattractive guiding profile)		Article no.	€	
1	Flush-stopping door version without unattractive guiding profile, with spring-loaded stainless steel guiding bolts, intumescent coating and rubber double seal on the guiding door leaf edge. Attention: - Approved in single-leaf and telescopic version (double, triple) EI₂₃₀ - Maximum approved size LDB 7500 × LDH 4500 mm - The wall in the outlet area of the sliding door must be vertical and run completely straight at an angle of 90° to the door leaf travel direction. - Lockable door leaf version not possible, only “retrofit lock” possible - Smoke-tight version not available		Per m LDH	2016547	343	
2	Closing weight in the parking area (closing weight diverted) Arrangement of the closing weight behind the open door leaf ► Required for flush-stopping doors!		Without surcharge in combination with item 1		2015428	

Optional extras

For fire and multi-purpose sliding doors FST OD

► The following prices are only valid in combination with a fire sliding door or multi-purpose sliding door and are surcharge items.

1.7	Glazings for fire sliding doors			Article no.	€
	Wicket / escape door glazings				
1	Round fire-resistant glazing Ø 400 mm (standard)	Each	El ₂ 30	2017064	1430
2	Square fire-resistant glazing 400 × 400 mm	Each	El ₂ 30	4840113	1567
			El ₂ 60	4840114	3189
			El ₂ 90	4840115	3306
3	Rectangular fire-resistant glazing 400 × 600 mm* * Note: Special sizes are available with a max. possible size of 500 × 1000 mm, depending on the wicket door width in the configurator	Each	El ₂ 30	2015149	1732
			El ₂ 60	2015150	3659
			El ₂ 90	2015151	3659
	Door element glazings				
4	Rectangular fire-resistant glazing via the configurator • Min. frieze width 260 mm • Max. possible glazing size 500 × 1000 mm, depending on door element widths	All sizes	El ₂ 30	2015149	1732
			El ₂ 60	2015150	3659
			El ₂ 90	2015151	3659

1.8	Glazings for multi-purpose sliding doors	Article no.	€
Wicket / escape door glazings			
1	Round multi-purpose glazing Ø 400 mm (standard), insulated single-pane safety glass 16 mm Each	2017066	828
2	Square multi-purpose glazing 400 × 400 mm, insulated single-pane safety glass 16 mm Each	4840116	905
3	Rectangular multi-purpose glazing 400 × 600 mm* * Note: Special sizes are available with a max. possible size of 500 × 1000 mm, depending on the wicket door width in the configurator	2015154	1002
Door element glazings			
4	Rectangular multi-purpose glazing via the configurator, insulated single-pane safety glass 16 mm • Min. frieze width 260 mm • Max. possible glazing size 500 × 1000 mm, depending on door element widths	2015154	1002

1.9	Surcharges for glazings (wicket door / door element)	Article no.	€
1	Stainless steel glazing frame in V2 A, 1.4301 version Surcharge	2017067	224

Important notes for glazings for fire-rated and multi-purpose doors:

- Glazing frames (steel) coated as standard in the door leaf colour
- Glazing bottom section height: 965 mm above FFL
- Glazing not possible in start and end element.
- Standard wicket / escape door glazings available in conjunction with anti-panic fitting acc. to EN 1125 and sports hall recessed handle EN 179.

Optional extras

For fire and multi-purpose sliding doors FST OD

► The following prices are only valid in combination with a fire sliding door or multi-purpose sliding door and are surcharge items.

2	Door frames and types of fitting	Article no.	€
1	Compensator function Functional principle: Counterweight is decoupled, then the sliding door can be opened or closed manually with very little effort. - The compensator allows the sliding door to be positioned and parked freely in any position. 1 additional radial damper is integrated in the compensator carriage.	galv Each 2015243	505
	Notes: - Possible for single- and double-leaf sliding doors - Min. headroom for direct ceiling fitting > 130 mm - Parking area increases by 250 mm - Smoke-tight version not available!	V2A Each 2016928	639
2	Closing weight in the parking area Arrangement of the closing weight behind the open door leaf for single-leaf doors	Surcharge 2015428	170
3	Suspended ceiling fitting in the parking area Important: Up to max. 200 mm lintel height possible.	Single Per m LDB 2015776	129
		Double Per m LDB 2015777	141
4	Suspended ceiling fitting in the opening area and parking area Important: Up to max. 200 mm lintel height possible.	Single Per m LDB	259
		Double Per m LDB	283
5	Threaded rods for brickwork ≥ 175 mm	Per m 2017000	42
6	False lintel of up to 150 mm for ceiling fitting or false sideroom for flush walls	Per m 2015134	386
7	Extended track	Per m 2015097	491
8	Stainless steel track V2 A, 1.4301 for steel sliding doors FST	Per m 2016203	179
9	Stainless steel additional package V2 A, 1.4301 – closing weights Consisting of stainless steel closing weights V2 A, 1.4301 Important: Radial guidance damper, hydraulic soft stop and magnet not possible in stainless steel version	2017069	952
10	Front side track panel made of stainless steel V2 A, 1.4301, for simple mounting on the track Wall fitting	Single- and double-leaf 2036807	75
		T2 telescopic version 2036808	92
		T3 telescopic version 2036809	107
	Direct fitting to the ceiling	Single- and double-leaf 2036810	75
		T2 telescopic version 2036811	92
		T3 telescopic version 2036812	107
11	Top track cover * (for concealed mineral wool for special visual requirements)	Each 2017457	368

* Wall fitting only possible for single- and double-leaf doors

Optional extras

For fire and multi-purpose sliding doors FST OD

► The following prices are only valid in combination with a fire sliding door or multi-purpose sliding door and are surcharge items.

3	Sealed door version (all-round wiper seal on 3 sides of the door leaf)	Article no.	€
	"Sealed" function for single-leaf doors and double-leaf doors and telescopic sliding doors (with / without wicket / escape door) possible. Note: - Mandatory in Germany acc. to EN16034. Notes: - Door leaf is fitted with all-round rubber seals on 3 sides in C-profiles - C-profile version in galvanized sheet steel - Sealing properties also available for doors with wicket door - Sealing properties also available for double-leaf doors with intermediate seal 2 intermediate seals required for telescopic doors T3 1 sealing block required for T2 telescopic doors and 2 for T3 telescopic doors		
1	Seal version (for single-leaf / double-leaf doors) per all-round metre	2017968	21
2	Intermediate seal (required for double-leaf doors) per metre in door height		21
3	Track sealing block for telescopic doors T2 / T3 Each	4840121	142
4	Door version with all-round wiper seal on 4 sides of the door leaf	Article no.	€
	For single-leaf doors and double-leaf doors (with / without wicket / escape door), for door sizes beyond the approved smoke-tight sizes Notes: - Door leaf is fitted with all-round rubber seals on 4 sides in C-profiles - C-profiles made of high-quality stainless steel V2 A, 14301 - Tested system - Possible for doors with wicket door - Available for double-leaf doors with intermediate seal - The appropriate seal must also be calculated for version with wicket / escape door		
1	Seal version (for single-leaf / double-leaf doors) per all-round metre	2015226	59
2	Intermediate seal (required for double-leaf doors) per metre in door height	2015223	59
3	Seal for wicket / escape door per wicket door	2015224	249
4	Stainless steel floor rail , 1.5 mm (optional) For fire sliding doors with smoke protection properties to manufacture a smooth sliding surface for smoke-tight wiper seals, also for retrofitting, incl. all fastening holes Per metre	2016372	118
5	Sliding door acoustic values		
	FST 30 OD: Acoustic value up to 29 dB (for version with wicket / escape door up to 28 dB)		
	FST 90 OD: Acoustic value up to 31 dB (for version with wicket / escape door up to 30 dB)		

Note:

Acoustic values are achieved with optional version with an all-round seal on 4 sides or with an all-round smoke-tight seal on 4 sides.

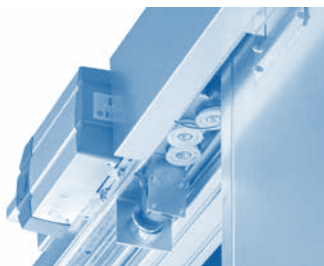
Notes and sketches

Operator SupraMatic HT

For fire and multi-purpose sliding doors FST OD

► The following prices are only valid in combination with a fire sliding door or multi-purpose sliding door and are surcharge items.

SupraMatic HT – series 3 with integrated control (up to 800 kg door weight)



Operator

- For doors up to 800 kg door weight
- Use in dry areas
- Suitable for commercial use
- “Open / Close” function with impulse

Number of parking spaces

- Max. 50 – 70 door cycles (Open / Close) per day

Operator data

- 24 V DC gear drive
- Mains voltage 230 – 240 V AC, 0.2 kW
- Pull and push force 1000 N
- Peak force 1200 N
- Opening speed approx. 20 cm/s
- Protection category IP 20

Control electronics

- Micro-processor control
- Automatic teach-in of automatic safety cut-out and end-of-travel positions
- Soft start and soft stop
- Double 7-segment display

- Adjustable partial opening, adjustable automatic timer
- Hold-open phase after activation 10 – 180 sec.
- Impulse control

Without radio remote control!

Patented compensator release system in case of fire

Function description:

- Automatic normal operation with operator SupraMatic HT
- In case of fire, the operator is released by a stopping closing weight
- In case of fire, the door is closed by a closing weight

Notes:

- Clear passage width min. 1145 mm, max. 6035 mm
- Only available as single-leaf
- Only possible as normal guiding with guiding profile and normal guiding with guiding profile with diverted weight (not possible for flush-stopping doors)
- Only wall fitting and suspended ceiling fitting possible
- For doors with operator in combination with a wicket / escape door, optional wicket / escape door protection or monitoring required
- On-site wiring

El₂30

El₂60

El₂90

S_a

Operator SupraMatic HT – series 3 with integrated control for fire sliding doors FST (Hold-open device required)

- “Open / Close” function with impulse

Article no.

€

Operator SupraMatic for single-leaf fire sliding doors up to 800 kg door weight

- **Including patented compensator release system**
- Including modified boom FS 60
- Including adapter print PSA for the optional connection of a push button
- Optionally with 2-channel receiver HEI 3 BS for hand transmitter operation or radio internal push button
- Optionally with push button DT 02, impulse / stop
- Additional accessories see page 76
- Fire protection door leaf weight:
 - El₂30 = 40 kg/m²
 - El₂60 / El₂90 = 50 kg/m²

2017553

2488

Prepared for operator SupraMatic HT – series 3 (fire sliding doors FST)

€

Door leaf and frame prepared for subsequent retrofitting of operator consisting of:

- Compensator function, track panel including panel bracket, link bracket set, door hardware with 250 mm spacing, track extension 350 mm, prepared for trap protection strip and release lever

2017769

835

Operator SupraMatic HT

For fire and multi-purpose sliding doors FST OD

► The following prices are only valid in combination with a fire sliding door or multi-purpose sliding door and are surcharge items.



Operator SupraMatic HT – series 3 with integrated control for multi-purpose sliding doors FST • “Open / Close” function with impulse	Article no.	€
SupraMatic operator for single-leaf multi-purpose sliding doors up to 800 kg door weight • Without patented compensator release system (only for fire sliding doors FST) • Including modified boom FS 60 • Including impulse / stop push button, including connecting cable • Including adapter print PSA • Optionally with 2-channel receiver HEI 3 BS for hand transmitter operation or radio internal push button • Optionally with push button DT 02, impulse / stop • Additional accessories see page 76 • Multi-purpose door leaf weight: – With honeycomb infill = 30 kg/m² – With mineral wool insulation: 40 kg/m²	2017568	1646
Prepared for operator SupraMatic HT – series 3 (for multi-purpose sliding doors FST)		€
Door leaf and frame prepared for subsequent retrofitting of operator consisting of: • Compensator function, track panel including panel bracket, link bracket set, door hardware with 250 mm spacing, track extension 350 mm, prepared for trap protection strip and pull cord for emergency release	2017786	412

Equipment options for fire-rated and multi-purpose sliding doors FST OD in combination with operator SupraMatic

External control 360 inside the industrial control housing for SupraMatic HT	Article no.	€
Additional external control 360 inside the industrial control housing Including all-pole switch-off main switch in control housing (omission of mains lead with CEE plug), including main switch Functions: • Opening and closing with impulse • Any second opening width ½ / Open • Automatic timer • Soft start and soft stop	Surcharge 2015369	511
Control elements for external control 360	Article no.	€ / each
Mains lead 1.2 m with 230 V CEE plug, for controls with main switch	635486	17,80

Accessories for SupraMatic HT	See page 76
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Operator SupraMatic HT

For fire and multi-purpose sliding doors FST OD

► The following prices are only valid in combination with a fire sliding door or multi-purpose sliding door and are surcharge items.

Accessories	SupraMatic HT		Article no.	€	
	With integrated control	With external control 360			
Buttons, pull switches					
Push button DT 02, impulse / stop	•	•	637040	60	
Pull switch ZT 2 (impulse, stop, with pull cord length approx. 3200 mm, protection category IP 65)	•	•	637510	91	
Push button DTH-R Open / Stop / Close	• ¹⁾	•	637713	54	
Universal adapter print for choosing direction UAP 1 (Open / Stop / Close) via external control elements and / or for control of the partial opening function. Additional volt-free change-over contacts for Open / Close limit switch reporting as well as an option relay.	•	•	436295	78	
Radio internal push button FIT 1 BS, frequency 868 MHz, impulse, protection category: only for dry rooms, Pure white, similar to RAL 9010, dimensions (W x H x D) 80 x 80 x 15 mm ► Only in conjunction with a 2-channel receiver (art. no. 436720)	•	•	439740	80	
868 MHz receiver					
2-channel receiver HEI 3 BS, frequency 868 MHz, IP 65, operating voltage 24 V DC, with 7 m connecting lead, 4-wire.	•	•	436720	110	
868 MHz hand transmitters – only in conjunction with a receiver					
BiSecur hand transmitters are downward compatible with 868 MHz fixed code receivers					
1-button hand transmitter HS 1 BS, impulse, incl. battery, with chrome-plated zinc die-cast caps	Black (textured surface)	•	•	4511720	73
4-button hand transmitter HS 4 BS, impulse, incl. battery, with chrome-plated zinc die-cast caps	Black (textured surface)	•	•	4511724	73
Photocells					
One-way photocell EL 301 for floor fitting (for use in interiors and exteriors)	•	•	436313	118	
Reflection photocell RL 50 for door widths 500 – 8000 mm, industrial frame fitting top, application areas: Interior and exterior		•	635344	195	
Note: Reflective objects, e.g. reflective strips on clothing or vehicles, might not be recognised by the reflection photocell.					
Reflector for photocell RL 50 for door widths 500 – 8000 mm		•	638163	13	
Activating kit for warning lights and accessories					
Activating kit for warning lights ZS 360 / 400 with 2 yellow LED warning lights, without extension housing		•	637530	328	
Activating kit for warning lights ZS 360 with 2 yellow LED warning lights and weekly timer ZSU 2, without extension housing		•	637780	504	
Activating kit for warning lights MP 360 with 2 red / green LED warning lights, without extension housing		•	637731	475	
Activating kit for warning lights MP 360 with 2 red / green LED warning lights and weekly timer ZSU 2, without extension housing		•	637779	771	
Extension housing for industrial door controls (semi-housing)		•	637014	68	

1) Universal adapter print UAP 1 required!

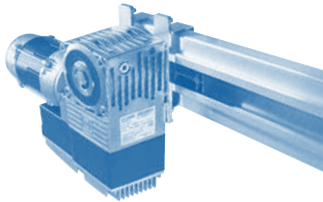
Notes and sketches

Operator ITO 400 with control 445

For fire and multi-purpose sliding doors FST OD

► The following prices are only valid in combination with a fire sliding door or multi-purpose sliding door and are surcharge items.

Product description ITO 400 with control 445 C (800 kg – 2500 kg door weight)



Operator

- Chain drive operator
- For door weights 800 kg–2500 kg
- Use in dry areas
- Suitable for commercial use
- "Open / Stop / Close" function, press-and-hold
- Opening and closing phase: approx. 8 s/m

Operator data

- Mains voltage 400 V 3-phase current power input:
 - 3-phase current: 0.37 kW
 - 1-phase current: 0.30 kW
- Protection category IP 65 (jet-water protected)

Control electronics

- Micro-processor control in separate housing with integrated membrane keypad, "Open / Stop / Close" with press-and-hold control, miniature lock
- Protection category IP 65 (jet-water protected)
- Connection cable with CEE plug in protection category IP 44 (splash-water protected)
- Control fitting directly next to the sliding door

Patented compensator release system in case of fire

Function description:

- Opening with press-and-hold
- Closing with press-and-hold

► An affordable solution for an opening aid to open and close heavy doors

Notes:

- Clear passage width min. 1465 mm, max. 8400 mm
- Single-leaf: Only possible as normal guiding version with guiding profile and normal guiding version with guiding profile with diverted weight (not possible for flush-stopping doors)
- Only wall fitting and suspended ceiling fitting possible
- For doors with operator in combination with a wicket / escape door, optional wicket / escape door protection or monitoring required
- On-site wiring

► The following prices are only valid in combination with a fire sliding door or multi-purpose sliding door and are surcharge items.

Chain drive operator ITO 400 with control 445 / "Open / Close" function, press-and-hold control

El₂30 El₂60 El₂90 S_a S₂₀₀			
Chain drive operator ITO 400 for fire sliding doors FST (Hold-open device required)	• "Open / Close" function with press-and-hold	Article no.	€
ITO 400 operator for single-leaf fire sliding doors up to 2500 kg door weight			
• Including patented compensator release system • Including modified track • Fire protection door leaf weight: – El₂30 = 40 kg/m² – El₂60 / El₂90 = 50 kg/m²		2017723	3508

MZ S_a S₂₀₀			
Chain drive operator ITO 400 for multi-purpose sliding doors FST	• "Open / Close" function with press-and-hold	Article no.	€
ITO 400 operator for single-leaf multi-purpose sliding doors up to 2500 kg door weight			
• Without patented compensator release system (only for fire sliding doors FST) • Including modified track • Multi-purpose door leaf weight: – With honeycomb infill = 30 kg/m² – With mineral wool insulation: 40 kg/m²		2017724	2742

Chain drive operator ITO 400 with control 445 / "Open / Close" function via impulse

El₂30 El₂60 El₂90 S_a			
Chain drive operator ITO 400 with impulse operation	• Function "Open / Close", impulse	Article no.	€
ITO 400 operator for single-leaf fire sliding doors Automatic "Open / Close" function with impulse Chain drive operator ITO 400 for FST fire sliding doors including control housing and 3x safety sensor Bea LZR-i110			
		4840019	9468

MZ S_a			
Chain drive operator ITO 400 with impulse operation	• "Open / Close" function with impulse	Article no.	€
ITO 400 operator for single-leaf multi-purpose sliding doors Automatic "Open / Close" function with impulse Chain drive operator ITO 400 for FST multi-purpose sliding doors including control housing and 3x safety sensor Bea LZR-i110			
		4840020	8735

Equipment options for fire and multi-purpose sliding doors FST OD in combination with operator ITO 400 with control 445

El₂30

El₂60

El₂90

MZ

Prepared for operator ITO 400 (for fire sliding doors FST)	Article no.	€
Door leaf and frame prepared for subsequent retrofitting of operator consisting of: • Compensator function, track panel including panel bracket, link bracket set, track extension 350 mm, prepared for release lever	2017767	952
Chain drive operator ITO 400 with frequency converter control B 460 FU with soft start and soft stop, 230 V 1-phase current	Article no.	€
	2017695	1363

Notes and sketches

Optional extras

For fire and multi-purpose sliding doors FST OD

► The following prices are only valid in combination with a fire sliding door or multi-purpose sliding door and are surcharge items.

6 Operators / opening aids			
6.1	Operators / opening aids	Article no.	€
1	Operators for fire and multi-purpose sliding doors FST (Single-leaf, double-leaf, telescopic) - Arranged in the parking area - Incl. power supply unit, magnet, 2-way "Open/Close" button, surface-mounted - Door leaf weight $EL_{230} = 40 \text{ kg/m}^2$, door leaf weight $EL_{260}/EL_{290} = 50 \text{ kg/m}^2$, MZ honeycomb insert = 30 kg/m^2, MZ mineral wool insert = 40 kg/m^2 Note: - For doors with operators in combination with a wicket / escape door, optional wicket / escape door protection or monitoring is required. - The stated weights constitute the door weight.		
	Operators – for fire sliding doors FST up to 2500 kg		
	Up to 800 kg: Operator SupraMatic HT with integrated control	2017553	2488
	// Affordable solution for single-leaf doors from 800 – 2500 kg: Operator / opening aid ITO 400 with control 445	2017723	3508
	Operators – for multi-purpose sliding doors FST up to 2500 kg		
	Up to 800 kg: Operator SupraMatic HT with integrated control	2017568	1646
	// Affordable solution for single-leaf doors from 800 – 2500 kg: Operator / opening aid ITO 400 with control 445	2017724	2742
	Schnetz opening aids – for fire and multi-purpose sliding doors FST		
	Operator variants ATS-300 (400 – 1500 kg), ATS-400 (1500 – 2000 kg), ATS-600 (2000 – 3000 kg)	Configurable via PC	
	Surcharge Schnetz for double-leaf doors with symmetrical division of leaves	Surcharge on opening aid, item	
2		2016995	501
3	Surcharge Schnetz for double-leaf doors with asymmetrical division of leaves	Surcharge on opening aid, item "1"	2016996
4	Surcharge Schnetz for telescopic doors	Surcharge on opening aid, item "1"	2016980
5	Additional 2-way "Open/Close" button for opening aid, surface-mounted, without cable	Each	2017078
6	Emergency power supply USV GLCD 2-1000 , approx. 2.5 hours separate, uninterruptible power supply 230 V AC with converter to maintain the function of the hold-open brake during power failure. (No emergency power supply for opening the fire sliding door, the UPS only serves to hold the door open in case of power failure, keeping in mind the total power consumption, e.g. smoke detectors, magnets, several doors can be coupled to a single UPS.)	Each	2017080
7	Main switch for Schnetz opening aid and operators	2033711	119
Note for Schnetz opening aid: Hold-open device additionally required. Note the surcharge.			
6.2	Operator Liberda (special operators)	Article no.	€
1	- For fire sliding doors ► Price calculation via product configurator possible Attention: With multi-purpose doors, operators are only approved in the form of opening aids (press-and-hold control) ► Note: Please contact the factory prior to ordering (product currently without CE marking)	Configurable via PC	

Optional extras

For fire and multi-purpose sliding doors FST OD

► The following prices are only valid in combination with a fire sliding door or multi-purpose sliding door and are surcharge items.

7 Recess and ceiling flaps

Recess and ceiling flaps surface finish

As standard

- For galvanized door leaf version, galvanized flaps
- For door leaf in RAL 9002 primer-coated, flaps in RAL 9002 primer-coated at no surcharge
- For door leaf in RAL to choose, flaps in RAL to choose at no surcharge

Optional

- Flaps without coating, galvanized, door leaf primed or RAL to choose, **see price reduction**
- Flaps in stainless steel version V2 A, 1.4301
- Flaps in version with stainless steel cladding frame for gypsum board, timber or tile cladding, cladding depth 10 mm, max. cladding mass 25 kg/m²

Recess flap MZ, EI₂30, EI₂60, EI₂90

- Including locking through electric magnets and anchors
- 3-way adjustable hinges and spring hinge for automatic opening after magnet release
- High-quality, double-shell version

MZ

EI₂30

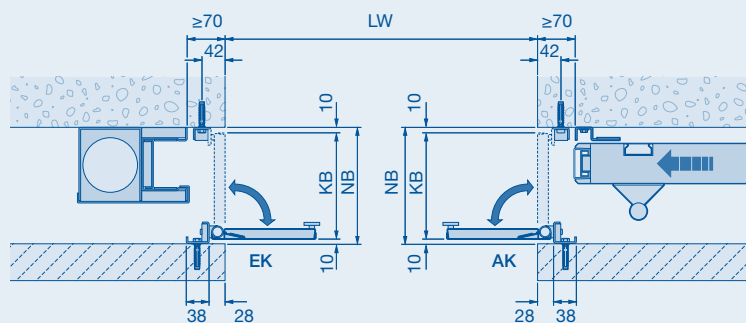
EI₂60

EI₂90

Recess width (NB) 180 – 280 mm for single-leaf and double-leaf FST
Recess width (NB) 305 – 380 mm for telescopic FST

Notes:

- Recess width ≤ 215 mm: With outlet recess flaps, a door leaf with recessed handle is required on both sides (vertically offset), for the option with fitted wicket / escape door, recessed lever handles on both sides and a concealed ITS 96 are required
- A basic latching without hold-open device is supplied for multi-purpose sliding doors.
- (Manual opening by “clicking”, manual extension of the door)
- Door may not be locked if there is a recess flap on the inlet side
- Wall projection in parking and inlet area additionally 40 mm, 1-part flap height max. 3980 mm, greater heights multi-part
- Note surcharge for hold-open device (see page 84)
- In the stainless steel version, 3-way adjustable hinges are made of stainless steel V2 A, 1.4301, and the invisible spring hinge is galvanized
- 15 mm edge gap



Recess flaps for the wall area, horizontal view single-leaf and double-leaf sliding door

LW Structural opening
EK Inlet flap
KB Flap width
NB Recess width

Recess flap 90° opening

Choice of galvanized or RAL 9002 primer-coated:

Price reduction for omission of flap coating (galvanized flaps), coated door leaf

Stainless steel V2 A, 1.4301

Stainless steel cladding frame V2 A, 1.4301 for gypsum board, timber or tile cladding

Fitting set for recess flap fastening for the simultaneous fitting of sliding door and recess flap

Note:

- The base construction of the outer shell does not have to be present
- The recess flap must be fastened to the base construction of the outer shell by the next subsection
- Potential second fitting trip not required
- Max. flap height: 3980 mm

Surcharge

Floor recess for recess flap

	Article no.	€
On one side – basic price up to height of 2500 mm	2015132	1183
On one side – per additional metre in height	2015133	239
On both sides – basic price up to height of 2500 mm		2366
On both sides – per additional metre in height		478
Price reduction per flap	2017128	168
On one side – basic price up to height of 2500 mm	2017126	2601
On one side – per additional metre in height		432
On both sides – basic price up to height of 2500 mm	2017127	5202
On both sides – per additional metre in height		864
On one side – basic price up to height of 2500 mm	2017321	2601
On one side – per additional metre in height		432
On both sides – basic price up to height of 2500 mm	2017322	5202
On both sides – per additional metre in height		864
Surcharge	2016578	269
	4840119	300

Optional extras

For fire and multi-purpose sliding doors FST OD

► The following prices are only valid in combination with a fire sliding door or multi-purpose sliding door and are surcharge items.

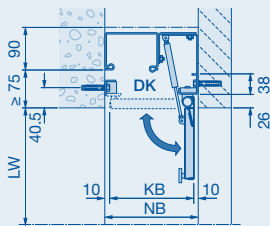
Ceiling flap MZ, EI₂30, EI₂60, EI₂90

- Including locking through electric magnets and anchors
- 3-way adjustable hinges and hydraulic damper units for the controlled opening of the ceiling flap
- High-quality, double-shell version

MZ EI₂30 EI₂60 EI₂90

Notes:

- Wall projection in the lintel area: additionally + 45 mm
- 1-part flap height max. 3980 mm, greater flap height multi-part
- Only in conjunction with recess flap
- Recess width (NB) 205 – 280 mm for single-leaf and double-leaf FST
- Recess width (NB) 330 – 380 mm for telescopic FST
- A basic latching without hold-open device is supplied for multi-purpose sliding doors.
(Manual opening by “clicking”, manual extension of the door)



Ceiling flaps for the lintel area, vertical view of single-leaf and double-leaf door

- LW Structural opening
- DK Ceiling flap
- KB Flap width
- NB Recess width

Ceiling flap (in combination with recess flaps)		Article no.	€
Control FSA-Plus is required for ceiling flaps in combination with recess flap(s)			
Hold-open devices FSA-Plus for ceiling flaps in combination with recess flaps	Per set	2033181	2314
Emergency power batteries for FSA-Plus – 12 V DC / 2.3 Ah (2 x required) (For the time-delayed activation of recess flaps, ceiling flap and door leaf)	Each	2033829	81
Optical smoke detector H-RM-4070 (set including fitting base) (With opening width > 4000 mm and / or headroom > 1000 mm) Note the required number and arrangement, see page 89.	Per set	4840016	216
Ceiling flap without recess flaps		Article no.	€
The hold-open device control for recess flaps is required for ceiling flaps without recess flap(s)			
Hold-open device control FSA-Basis for recess flap (Required for the time-delayed activation of ceiling flap and door leaf)	Surcharge	4840018	213
Optical smoke detector H-RM-4070 (set including fitting base) (With opening width > 4000 mm and / or headroom > 1000 mm) Note the required number and arrangement, see page 89.	Per set	4840016	216

Version:

Galvanized or RAL 9002 primer-coated:	Basic price for door width up to 2000 mm	2017129	1615
	Per additional metre in length	2017197	265
Price reduction for omission of flap coating (galvanized flaps), coated door leaf	Price reduction per flap	2017128	168
Stainless steel V2 A, 1.4301	Basic price for door width up to 2000 mm	2017456	3230
	Per additional metre in length	2017455	530

Surcharge for the lamination of recess and ceiling flaps (galvanized version) with shielding fleece	Flat rate per flap	2017554	349
• For on-site painting of the flaps with interior wall colour			
Surcharge for RAL to choose with recess and ceiling flaps (flaps coloured, door leaf galvanized)	Flat rate per door	2017012	1207
• No surcharge if door from standard range is ordered in RAL to choose			
• Surcharge must be added when ordering a galvanized or powder-coated (primed) door leaf, Grey white RAL 9002, and recess / ceiling flaps in RAL to choose			
Surcharge for separate delivery of sliding door and recess / ceiling flaps	Flat rate per order	2017575	830
• No surcharge when ordering door and recess / ceiling flaps from standard range			
• Surcharge must be added when ordering a door from the fast-track programme and recess / ceiling flaps from the standard range (criteria for fast-track programme for doors must be fulfilled)			

Optional extras

For fire and multi-purpose sliding doors FST OD

► The following prices are only valid in combination with a fire sliding door or multi-purpose sliding door and are surcharge items.

8 Hold-open devices				
8.1 Hold-open devices description				
1	Hold-open device for doors with or without operator (e.g. SupraMatic HT / ITO 400) Consisting of: (country-specific number of components) • Hold-open device control Basis incl. acoustic alarm system and integrated "Close" push button • Smoke detector including fitting base (note the required number and arrangement, see page 89) • Optional: Flashing warning light, optical / acoustic alarm system FSA-OAW incl. flashing warning light, additional "Close" push button, fire alarm mounting bracket for lintel fitting			
	Hold-open device for doors with emergency power supply For bridging power failures or for doors with recess and ceiling flaps (for time-delayed activation) Consisting of: (country-specific number of components) • Hold-open device with emergency power supply FSA-Plus incl. acoustic alarm system and integrated "Close" push button • Smoke detector including fitting base (note the required number and arrangement, see page 89) • Optional: Flashing warning light, additional "Close" push button, fire alarm mounting bracket for lintel fitting Note: Emergency power batteries are not included in the FSA-Plus scope of delivery. These must be calculated separately (see section 8.2/2)			
	Hold-open device with Schnetz opening aid Consisting of: (country-specific number of components) • Hold-open device control Basis incl. acoustic alarm system and integrated "Close" push button • Smoke detector including fitting base (note the required number and arrangement, see page 89) • Optional: Flashing warning light, optical / acoustic alarm system FSA-OAW incl. flashing warning light (in case of power failure), additional "Close" push button, fire alarm mounting bracket for lintel fitting • Double "Open/Close" button			
	Hold-open device for Russia Consisting of: (country-specific number of components) • Power supply unit HNP 18 - 240 • "Close" push button, surface-mounted or recessed			
8.2 Hold-open device controls			Article no.	€
1	Hold-open device control FSA-Basis Power supply, control, integrated actuation button, reset button, including acoustic alarm system (without capacitor buffering)	Each	4840018	213
	Flashing warning light for direct connection to FSA-Basis	Each	2017608	81
1.1	Optical and acoustic alarm system FSA-OAW With capacitor buffering for power failures	Each	2033182	397
	Flashing warning light for connection to the FSA-OAW	Each	2017608	81
2	Hold-open device control FSA-Plus with emergency power supply For bridging in case of power failure or for time-delayed activation of recess flaps and ceiling flaps, IP 54, 230 V AC / 24 V DC, including wall mounting for housing	Each	2033181	2314
	Emergency power batteries for FSA-Plus – 12 V DC / 2.3 Ah (2 × required)	Each	2033829	81
	Flashing warning light for connection to the FSA-Plus	Each	2017608	81
3	Control FSA-FLEXControl Flashing warning light for direct connection to FSA-FLEXControl	Each	2017630	1602
3.1	Optical and acoustic alarm system FSA-OAW With capacitor buffering for power failures	Each	2033182	397
	Flashing warning light for connection to the FSA-OAW	Each	2017608	81
4	Control FSA-FLEXeco Basis	Each	2033299	415
	Control FSA-FLEXeco Plus	Each	2033298	1721
8.3 Fire detector			Article no.	€
1	Optical smoke detector H-RM-4070 (set including fitting base) ► Note the required number and arrangement, see page 89	Per set	4840016	216
2	Optical smoke detector H-RM-4070 in black (set including fitting base) ► Note the required number and arrangement, see page 89	Per set		302
3	Heat sensor H-TM-4070 (set including fitting base) Is used if dust, smoke or steam is to be expected during operation ► Note the required number and arrangement, see page 89 Important: Must not be used for doors in escape and rescue routes!	Per set	4840017	226
4	Smoke detector mounting bracket (steel) For lintel fitting. Suitable for optical smoke detectors and thermal smoke detectors	Galvanized Each	2033856	15
5	Extended smoke detector mounting bracket (steel) Galvanized, for lintel fitting. Suitable for optical smoke detectors and thermal smoke detectors	L: 541.5 mm Each	2017630	102
		L: 700 mm Each	2033854	108

Optional extras

For fire and multi-purpose sliding doors FST OD

► The following prices are only valid in combination with a fire sliding door or multi-purpose sliding door and are surcharge items.

6	Smoke detector fitting base UH for fitting to hollow ceilings Fitting base for optical smoke detector and heat detector in dry rooms with suspended ceilings	Each	2017682	76
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Note:

In addition to Hörmann hold-open device components, Hekatron components are available. These can be selected with their prices in the product configurator.

8.4	Additional components for hold-open devices		Article no.	€
1	Flashing warning light for FSA-Basis, FSA-OAW and FSA-FLEXControl	Each	2017608	81
2	"Close" push button HAT 02 , surface-mounted or recessed	Each	2015363	53
3	Manual release button FSA-Callpoint, Basis version , (with glass safety pane)	Each	2033187	457
4	Power supply unit HNP 18-240, 24 V / DC for magnet (only for Russia) 24 V / DC, max. 750 mA, power supply unit	Each	2017276	67
5	Connecting lead ZL1 , length 1.5 m with safety plug for hold-open device control FSA-Basis, FSA-Plus and FSA-FLEXControl	Each	436127	9,50

8.5	Radio hold-open device components		Article no.	€
1	Radio receiver / radio module FM 155F (148 × 30 × 28 mm, IP40)	Each	4840134	445
2	Radio smoke detector ORS 155F (−30 °C to +70 °C, incl. fitting base)	Each	4840135	255
3	Radio hand button HAT 155F (80 × 80 × 62 mm), surface-mounted	Each	4840136	295
4	Radio hand button HAT 155F (80 × 80 × 62 mm), recessed	Each	4840136	295

9 Hold-open devices for fire sliding doors with automated guided vehicle system (FTS)

9.1	Description
1	Conveyor system door control FAA-Plus for automated guided vehicle systems (FTS) The conveyor system control FAA-Plus for sliding doors (El ₂ 30, El ₂ 90) for track-bound conveyor systems using automated guided vehicle systems FTS (section 9.2 – 1 + 2) or The retrofitting option of on-site existing fire sliding doors (type FST) when changing the use of a fire-rated door (FSA) to a conveyor system door (FAA) when using automated guided vehicle systems. (section 9.2 – 1 + 2 + 3)

9.2	Conveyor system door components for FTS system incl. approval by an expert		Article no.	€
1	Control FAA-Plus	Each	2033297	2492
2	Emergency battery 12 V / 7 Ah for control FAA-Plus (required 2 ×)	Surcharge	2033816	105
3	Limit switch incl. mounting plate (1 × required)	Each	2017685	234
4	Approval by an expert (only in Germany) According to construction technique permit for FAA-Plus (after order placement, acceptance takes place within max. 6 weeks) Important: Orders are generally placed via the regional sales office. Order placement via the factory is possible in special cases.	Basic price for 1 door		5695
		Each additional door		1484
5	Control heating FAA PLUS for cold store areas (e.g. −24 °C / −24 °C) Thermostat: switching point 5 °C consisting of: • Foil heating for keypad: 24 V – 17 W • Control heating: 230 V AC – 0.44 A – 100 W	Surcharge for section 1		925

Note:

For existing sliding doors with operator / opening aid, the FAA-Plus activation device must additionally be equipped with an extension circuit board at a surcharge. Please contact the factory in this case.

Optional extras

For fire and multi-purpose sliding doors FST OD

► The following prices are only valid in combination with a fire sliding door or multi-purpose sliding door and are surcharge items.

10 Other			
10.1 Special widths / special heights (doors larger than the maximum approved door height / door width)			€
1	Surcharge for special widths		Max. LDB + 6%
	IMPORTANT: • If the maximum door width listed in the price list for multi-purpose sliding doors is exceeded, a surcharge must be charged per 500 mm LDB.		
2	Surcharge for special heights		Max. LDH + 8%
	IMPORTANT: • If the maximum door height listed in the price list for multi-purpose sliding doors is exceeded, a surcharge must be charged per 500 mm LDH!		
10.2 Increase of the number of door leaf elements			Article no.
1	Increase of the number of door leaf elements As standard, the automatic configuration of the number of elements per door leaf depends on the door height and a maximum panel weight for fitting of 180 kg. The number of elements can be increased: • For architectural, aesthetic reasons • For easier fitting of doors By entering the approximate desired weight per element or changing the number of elements.		
	Note: • Only possible for single- and double-leaf sliding doors • Configuration only possible via product configurator • Only uniform divisions possible • Not configurable for sliding doors with wicket door, element glazing, recess and ceiling flaps, door leaf locking		
	Up to 4500 mm LDH per additional element		2017036
	From 4500 mm LDH per additional element		2017037
			596
			730
10.3 Collision guard and anti-collision bollard			Article no.
1	Collision guard I (W × H) 1250 mm × 400 mm, without fixing material • Tube diameter: 114 mm × 4 mm • Bottom plates 120 mm × 200 mm for plug-and-screw fitting		2036900
	Painted version, similar to RAL 1021 Rape yellow		262
2	Collision guard II (W × H) 625 mm × 400 mm, without fixing material • Tube diameter: 114 mm × 4 mm • Bottom plates 120 mm × 200 mm for plug-and-screw fitting		2036901
	Painted version, similar to RAL 1021 Rape yellow		209
3	Anti-collision bollard (H × D) 1000 mm × 114 mm, without fixing material • Tube diameter: 114 mm × 4 mm, with plastic cover • Bottom plates 200 mm × 200 mm for plug-and-screw fitting		2036902
	Painted version, similar to RAL 1021 Rape yellow		161
10.4 Further accessories			Article no.
1	Hose flap 300 × 300 mm (LDB × LDH) version with 22 mm threshold rail, depth 62 mm, folding ring on both sides, black version.		2017105
	Important: Only approved in Russia!		1732

Side door STU, Pearlgrain

MZ

El₂30

El₂60

El₂90

Matching Pearlgrain sliding doors FST OD

Product description

General

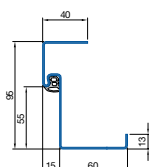
Ready-to-fit door set, as standard with lever handle set, black plastic, mortice lock with profile cylinder (alternatively round cylinder version), three-way adjustable heavy-duty hinges galvanized. Side doors STU are galvanized as standard without coating.

Door leaf

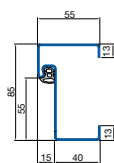
Flush, fully bonded thick rebate door construction
Galvanized sheet steel, sheet thickness 0.75 mm, Pearlgrain textured

Standard frame variants*

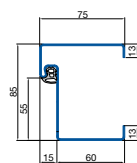
Corner frame 40



Block frame 85



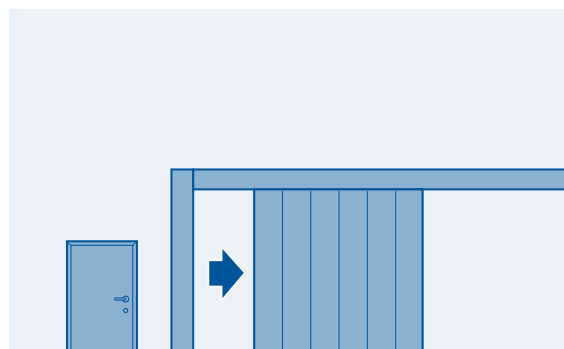
Block frame 85/55



Block frame 85/75

Frame type 3-part as standard (screw / plug-in connection) Drytec frame system – mineral wool infill backfilled at the factory, galvanized sheet steel, sheet thickness 1.5 mm, smooth version

* Other frame versions possible.
See current dealer price list part B.



Side door STU, Pearlgrain

Sliding door FST, Pearlgrain

Size range and surface coating

€

Ordering sizes

Overall frame dimensions (RAM)

From (W × H): 770 × 1865 mm
Up to (W × H): 1300 × 2299 mm
(Clear passage height)

Galvanized Pearlgrain, without coating

MZ

1037

El₂30

1446

El₂90

2014

Surface coating

Preferred colours*

Flat rate per unit

347

RAL to choose

Flat rate per unit

404

NCS to choose, IGP to choose, Metallic, DB 701, DB 702, DB 703, CH 9007

Flat rate per unit

548

* Preferred colours: RAL 3000, RAL 7016, RAL 7035, RAL 9006, RAL 9007, RAL 9010, RAL 9016

Note:

- Additional versions and performance characteristics possible. For details and gross prices, see the current dealer price list part B. The respective discount rates apply.
- Side doors STU in fire-rated version El₂30 and El₂90 feature slide rail overhead door closer HDC35 as standard (standard fitting on hinge side). Coated side doors STU with galvanized 3-way adjustable heavy-duty hinges as standard.

Standard packaging

For fire and multi-purpose sliding doors FST OD

The standard packaging for fire and multi-purpose sliding doors FST consists of 2 collection units:

- **Standard timber element pallet**, with door leaf elements in the fitting sequence, shrink-wrapped in perforated, air-permeable plastic film.
- **Standard timber frame pallet**, with tracks and, if applicable, weight box, weights, panels, integrated accessory pack, shrink-wrapped in perforated, air-permeable plastic film, 4 pallets can be stacked on top of each other.

Note:

- Door leaf elements are labelled and delivered packaged in the correct fitting sequence.
- On one standard element pallet, a maximum of 8 door leaf elements of up to 1200 mm width are stacked horizontally on top of each other.
- For optional wicket door or door leaf element widths >1200 mm, the door leaf elements are packaged standing on a timber A pallet.
- Frame pallet includes accessory pack with labelled contents.

Special packaging

For fire and multi-purpose sliding doors FST OD

Transport pallets – IPPC standard (sea freight) – special packaging					
For sliding door dimensions to approx.		Number of element pallets *	Number of frame pallets *	Version according to IPPC standard	Art. no.
Length mm	Width mm			€	
2000	2000	1	1	316	2017130
3000	3000	1	1	316	2017131
4000	4000	1	1	316	2017132
5000	5000	1	1	316	2017133
6000	6000	1	1	316	2017134
7000	7000	2	2	629	2017135
8000	8000	2	2	629	2017136
9000	9000	2	2	641	2017137

* The number of element / frame pallets can be higher depending on the door version.

Note:

To protect local forests against introduction of wood pests, the IPPC (International Plant Protection Convention) has introduced the ISPM 15 (International Standards for Phytosanitary Measures).

The basic contents of ISPM 15 are its application to solid wood, the treatment of the packaging according to recognised measures (HT – heat treatment, KD – kiln drying, CPI – chemical pressure impregnation, MB – methyl bromide) and the marking of packaging with the IPPC stamp.

Transport crates for standard sliding doors – special packaging							
For sliding door dimensions to approx. *		Version					
Length mm	Width mm	Crate		Air freight		Sea freight	
		Weight	€	Weight	€	Weight	€
2000	2000	80	797	140	1273	160	1382
3000	3000	100	986	160	1539	180	1646
4000	4000	120	1355	220	2147	250	2256
5000	5000	150	1621	260	2543	290	2674
6000	6000	170	1939	350	3020	350	3181
7000	7000	200	2202	400	3708	430	3975
8000	8000	250	2783	450	4239	490	4556
9000	9000	300	3048	500	4848	550	5165

* Dimensions of transport crates depending on door version on request

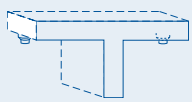
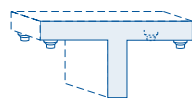
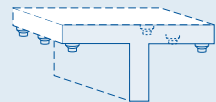
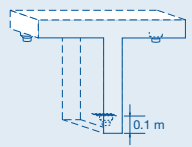
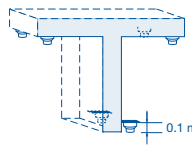
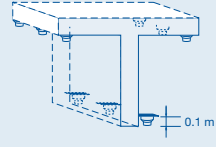
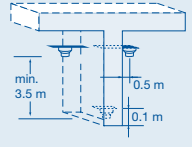
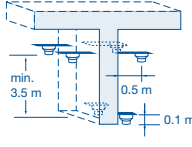
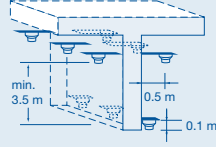
Note:

For sliding doors with special equipment, please request the dimensions and prices for special packaging.

For countries with high transport costs, transport costs for collection by the customer may be optimised through an alternative packaging of wicket doors.

Calculating the number of smoke detectors

For fire sliding doors FST OD

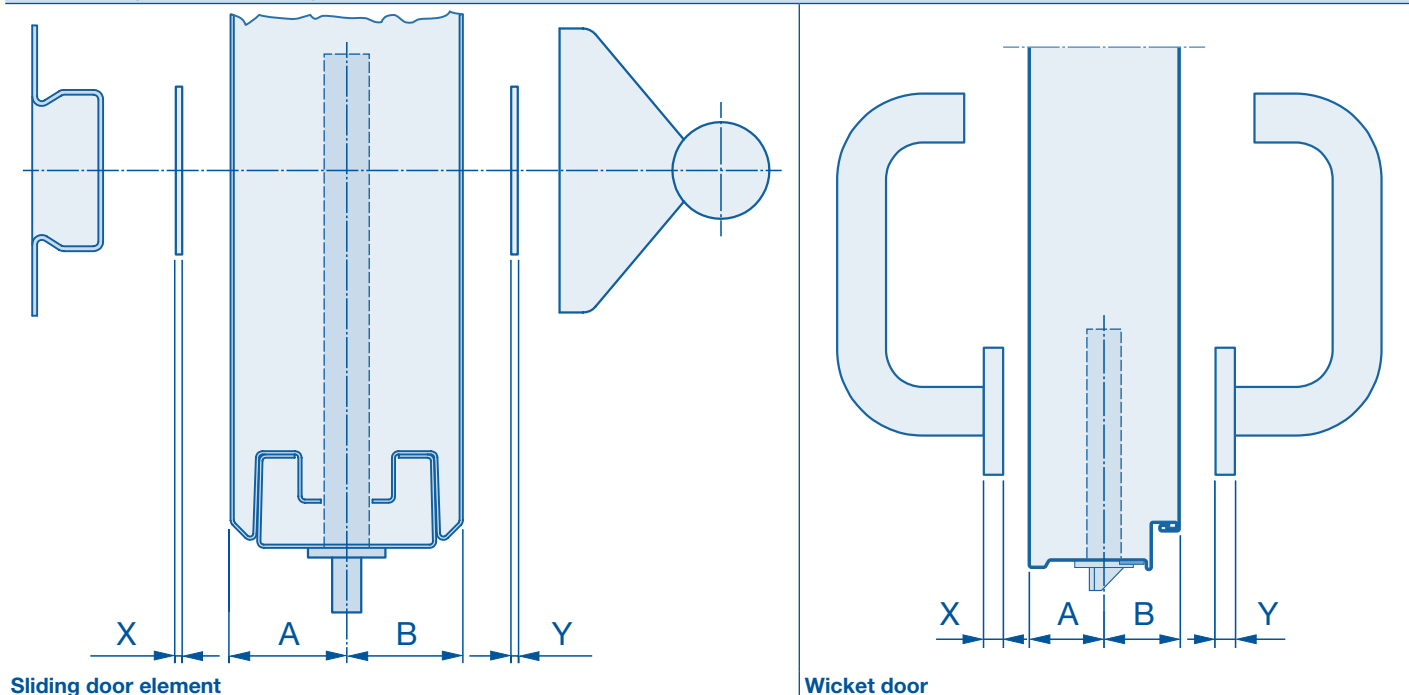
Arrangement and number of smoke sensors for fire sliding doors FST				
Opening width				
	Up to 4 m	Over 4 m to 8 m	Over 8 m	
Headroom	2 ceiling smoke detectors	4 ceiling smoke detectors	6 ceiling smoke detectors	
 1	 A	 B	 C	
Headroom	2 ceiling / 1 lintel smoke detectors	4 ceiling / 2 lintel smoke detectors	6 ceiling / 3 lintel smoke detectors	
 2	 A	 B	 C	
Headroom	3 lintel smoke detectors	6 lintel smoke detectors	9 lintel smoke detectors	
 3	 A	 B	 C	

For information on fitting types, guide variants, recess and ceiling flaps for fire sliding doors and telescopic fire sliding doors, please see the “Telescopic fire sliding doors / fire sliding doors – fitting data” brochure.

Determining the cylinder length for sliding doors / wicket doors

For sliding doors FST OD

Cylinder length for flush fitting of door hardware



Cylinder length = X + A + B + Y

	Profile cylinders	Article no.	€
1	Profile cylinder (PC) 40.5 + 40.5 mm for door leaf	2032991	43
2	Profile cylinder (PC) 35.5 + 35.5 mm for wicket door lever handle combination of half handle set / sports hall recessed handle	2015417	41
3	Profile cylinder (PC) 35.5 + 35.5 mm for wicket door lever handle combination of half handle set / folding ring recessed handle	2015417	41
4	Profile cylinder (PC) 27.5 + 27.5 mm for wicket door lever handle combination of sports hall recessed handle / sports hall recessed handle	2032998	34

Notes and sketches

Brand quality for residential and commercial construction

The family-owned company Hörmann offers all important construction components for building and renovating projects from a single source. We manufacture in highly specialised factories using state-of-the-art production technologies. Furthermore, our employees work intensively on new products, continual further developments and improvements to details. The results are patents and one-of-a-kind products you can depend on.

