



Kentaur  
Turnstiles  
Full-height gates

# Secure Kentaur Turnstiles

Versatile  
Durable  
Modular

The robust Kentaur turnstiles and full-height gates are especially suitable for securing the perimeter of buildings and property. Versatile versions enable individual combinations of multiple units to be put together. The end point locking system developed by dormakaba prevents people from being trapped in the gates.

#### **Versatility**

The Kentaur product series offers a modular design. Two, three and four-winged units with straight or U-shaped bars can be combined with each other. The same applies for units with bicycle doors, integrated doors, an emergency exit function<sup>1</sup> or of resistance class RC2. The roofs fit with any of the single, multiple or space-saving double units.

#### **Minimal power consumption**

The quiet low-energy drive consumes very little energy and adapts to the speed of the person entering.

#### **Safe passage**

The end point locking implemented in Kentaur turnstiles prevents people from becoming trapped or jammed. After release the turnstile may be stopped at any time and rotated backwards as long as it has not yet completed half of its rotation. Once the turnstile has completed half of its rotary motion, the unit can only be exited in the released direction.

<sup>1</sup> Individual approval required (responsible building authority)



# Advantages of Kentaur Turnstiles

The right combination of security, user comfort and personal safety.

- Users cannot become stuck thanks to end point locking
- Versions with integrated bicycle door, full-height gates for barrier-free access or as a goods entrance, an emergency exit function or in resistance class RC2
- Space-saving double units
- Modular combination of bars, roofs, guiding and barrier elements
- Lasting quality for indoor and outdoor installation
- Turnstile column and bars made of robust stainless steel
- Rotating speed adapts to the pedestrian
- Low-energy drive
- Low power consumption
- Behaviour in the event of a power failure can be freely determined
- Can be used in regions with harsh environmental conditions
- Integrated, parameterisable random generator
- Optional secondary identification for additional security
- Spacing between shearing edges eliminates risk of injury
- Suitable for max. snow load of 4.28 kN/m<sup>2</sup> = snow load zone 3 according to DIN EN 1991-1-3
- Suitable for max. wind speed of 108 km/h = wind load zone 4 according to DIN EN 1991-1-4



Kentaur full-height gates in a matching design offer a fitting solution for disabled access.

# The ideal solution for any access point



Turnstile with integrated full-height gate as entrance to an underground car park



Controlled access to a stadium

Turnstile offering additional protection for a restricted area



Full-height gate as goods entrance

## For reliable security at:

- Manufacturing plants
- Company sites
- Airports and ports
- Power plants
- Car parks
- Bicycle stands
- Correctional facilities
- Military installations
- Educational centres
- Stadiums
- Amusement parks

Throughput rate = up to 20 per minute

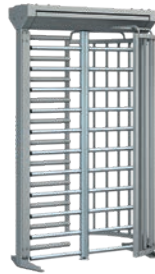
Security level = ●●●●○

Comfort = ●●●○○





# Kentaur turnstiles



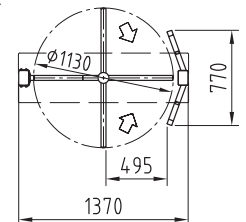
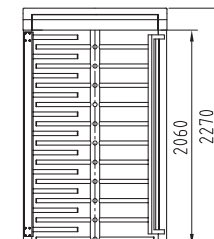
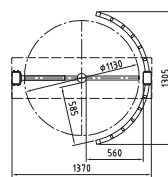
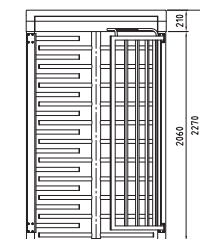
| Standard units                             | FTS-E01   | FTS-L04   |
|--|---|---|
| <b>Construction</b>                        |   |   |
| Column diameter                            | 1130  | 1130  |
| Portal width                               | 1370  | 1370  |
| Total height (without opt. roof)           | 2270  | 2270  |
| Passage height                             | 2060  | 2060  |
| Passage width                              | 560   | 490   |
| Portal and housing                         | Steel.  | Steel.  |
| Lockable maintenance opening               | Aluminium.  | Aluminium.  |
| Rotating unit with tubular column, Ø 89 mm | 180° each with 11 bar-shaped stainless steel AISI 304 crossbars   | 90° each with 11 bar-shaped stainless steel AISI 304 crossbars  |
| Barrier element                            | With 11 straight crossbars, made of steel.  | With 11 straight crossbars, made of steel.  |
| Passage limitation                         | With steel columns and climb-over protection.   | With steel columns and climb-over protection.   |
| <b>Finish</b>                              |   |   |
| Corrosiveness category                     | Stainless steel elements glossy AISI 304, hot-dip galvanised steel elements, aluminium elements in RAL 9006 (white aluminium).<br>C3 according to DIN EN ISO 12944-2. | Stainless steel elements glossy AISI 304, hot-dip galvanised steel elements, aluminium elements in RAL 9006 (white aluminium).<br>C3 according to DIN EN ISO 12944-2. |
| <b>Function</b>                            | Type 2 ****   | Type 1.1 ** Type 1.2 ***<br>Type 2 ****   |
| <b>Electrical equipment</b>                |   |   |
| Power supply                               | The control unit is integrated into the unit.<br>100 - 240 VAC, 50/60 Hz, 253 VA.   | The control unit is integrated into the unit.<br>100 - 240 VAC, 50/60 Hz, 253 VA.   |
| Standby power consumption                  | 20 VA.  | 20 VA.  |
| <b>Installation</b>                        |   |   |
| Optional roofs                             | In sleeve foundation, measure X = 150 mm.<br>Suitable for max. snow load of 4.28 kN/m <sup>2</sup> .<br>Suitable for max. wind speed of 108 km/h.                     | In sleeve foundation, measure X = 150 mm.<br>Suitable for max. snow load of 4.28 kN/m <sup>2</sup> .<br>Suitable for max. wind speed of 108 km/h.                     |
| <b>Protection classes</b>                  | Housing IP33, components conducting supply voltage IP43.  | Housing IP33, components conducting supply voltage IP43.  |

\* Type 0  
Manual motion; mechanically free in one direction/opposite direction blocked

\*\* Type 1.1  
Manual motion; 1 direction electrically controlled/opposite direction blocked (behaviour in event of power failure: both directions blocked or one direction free, one direction blocked)

\*\*\* Type 1.2  
Manual motion; electrically controlled in both directions (behaviour in event of power failure: both directions blocked or both directions free)

\*\*\*\* Type 2  
Power-assisted motion; servo-positioning drive/electrically controlled in both directions (behaviour in event of power failure can be selected for each direction: free or blocked)



All dimensions in mm





**FTS-E02**

1300

1540

2270

2060

646

Steel.

Aluminium.

120° each with 11 bar-shaped stainless steel  
AISI 304 crossbars

With 11 straight crossbars, made of steel.

With steel columns and climb-over protection.

Stainless steel elements glossy AISI 304,  
hot-dip galvanised steel elements, aluminium  
elements in RAL 9006 (white aluminium).

C3 according to DIN EN ISO 12944-2.

Type 0 \*           Type 1.2 \*\*\*

Type 1.1 \*\*        Type 2 \*\*\*\*

The control unit is integrated into the unit.

100 - 240 VAC, 50/60 Hz, 253 VA.

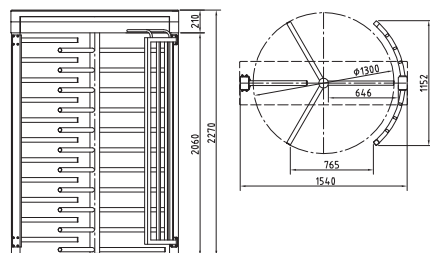
20 VA.

In sleeve foundation, measure X = 150 mm.

Suitable for max. snow load of 4.28 kN/m<sup>2</sup>.

Suitable for max. wind speed of 108 km/h.

Housing IP33, components conducting supply voltage IP43.



**FTS-E03**

1300

1540

2270

2060

550

Steel.

Aluminium.

90° each with 11 bar-shaped stainless steel  
AISI 304 crossbars

With 11 straight crossbars, made of steel.

With steel columns and climb-over protection.

Stainless steel elements glossy AISI 304,  
hot-dip galvanised steel elements, aluminium  
elements in RAL 9006 (white aluminium).

C3 according to DIN EN ISO 12944-2.

Type 0 \*           Type 1.2 \*\*\*

Type 1.1 \*\*        Type 2 \*\*\*\*

The control unit is integrated into the unit.

100 - 240 VAC, 50/60 Hz, 253 VA.

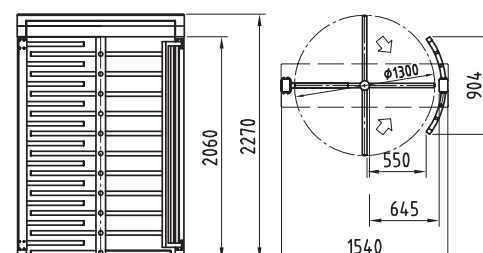
20 VA.

In sleeve foundation, measure X = 150 mm.

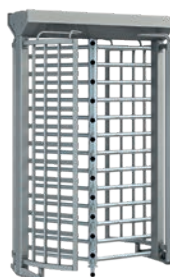
Suitable for max. snow load of 4.28 kN/m<sup>2</sup>.

Suitable for max. wind speed of 108 km/h.

Housing IP33, components conducting supply voltage IP43.



# Kentaur turnstiles



| Standard units              |  | FTS-E04  |
|-----------------------------|--|--|
| <b>Construction</b>         | Column diameter                            | 1300   |
|                             | Portal width                               | 1540   |
|                             | Total height (without opt. roof)           | 2270   |
|                             | Passage height                             | 2060   |
|                             | Passage width                              | 646  |
|                             | Portal and housing                         | Steel.   |
|                             | Lockable maintenance opening               | AISI 304 stainless steel.  |
|                             | Rotating unit with tubular column, Ø 89 mm | 120° each with 13 bar-shaped stainless steel AISI 304 crossbars  |
|                             | Barrier element                            | With 12 curved steel bars.   |
|                             | Passage limitation                         | With steel columns, climb-over protection and saw-through protection.  |
|                             | Additional function                        | The unit complies with resistance class RC2 according to DIN V ENV 1627.   |
| <b>Finish</b>               |  | Stainless steel elements glossy AISI 304, hot-dip galvanised steel elements, aluminium elements in RAL 9006 (white aluminium). |
|                             | Corrosiveness category                     | C3 according to DIN EN ISO 12944-2.  |
| <b>Function</b>             |  | Type 2 ****  |
| <b>Electrical equipment</b> |  | The control unit is integrated into the unit.  |
|                             | Power supply                               | 100 - 240 VAC, 50/60 Hz, 253 VA.   |
|                             | Standby power consumption                  | 20 VA.   |
| <b>Installation</b>         |  | In sleeve foundation, measure X = 150 mm.  |
|                             | Optional roofs                             | -  |
| <b>Protection classes</b>   |  | Housing IP33, components conducting supply voltage IP43.   |

\* Type 0

Manual motion; mechanically free in one direction/opposite direction blocked

\*\* Type 1.1

Manual motion; 1 direction electrically controlled/opposite direction blocked (behaviour in event of power failure: both directions blocked or one direction free, one direction blocked)

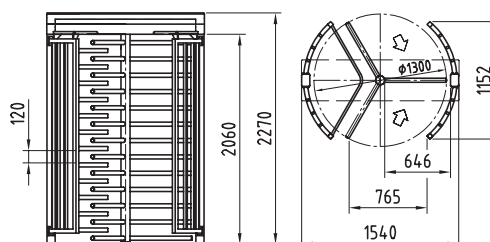
\*\*\* Type 1.2

Manual motion; electrically controlled in both directions (behaviour in event of power failure: both directions blocked or both directions free)

\*\*\*\* Type 2

Power-assisted motion; servo-positioning drive/electrically controlled in both directions (behaviour in event of power failure can be selected for each direction: free or blocked)

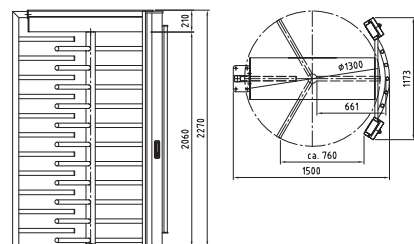
All dimensions in mm





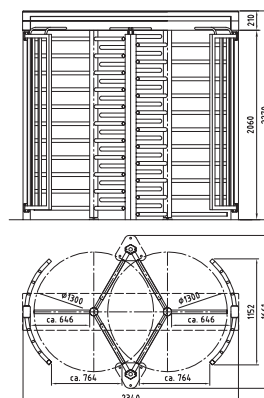
**FTS-E05**

|  |
|--|
| 1300   |
| 1500   |
| 2270   |
| 2060   |
| 646  |
| Steel.   |
| Aluminium.   |
| 120° each with 11 bar-shaped hot-dip galvanised steel crossbars.   |
| With 11 straight crossbars, made of steel.   |
| With steel columns and climb-over protection.  |
| -  |
| Stainless steel elements glossy AISI 304, hot-dip galvanised steel elements, aluminium elements in RAL 9006 (white aluminium). |
| C3 according to DIN EN ISO 12944-2.  |
| Type 1.2 ***<br>Type 2 ****  |
| The control unit is integrated into the unit.  |
| 100 - 240 VAC, 50/60 Hz, 253 VA.   |
| 20 VA.   |
| On finished floor level FFL.   |
| -  |
| Housing IP33, components conducting supply voltage IP43.   |



**FTS-E06**

|   |
|---|
| 1300  |
| 2340  |
| 2270  |
| 2060  |
| 646   |
| Steel.  |
| Aluminium.  |
| 120° each with 11 bar-shaped stainless steel AISI 304 crossbars   |
| In middle part with 21 straight crossbars made of steel.  |
| With steel columns and climb-over protection.   |
| Minimal space requirement due to interlocking rotating units.   |
| Stainless steel elements glossy AISI 304, steel, hot-dip galvanised steel elements, aluminium elements in RAL 9006 (white aluminium). |
| C3 according to DIN EN ISO 12944-2.   |
| Type 0 *      Type 1.2 ***<br>Type 1.1 **    Type 2 ****  |
| The control unit is integrated into the unit.   |
| 100 - 240 VAC, 50/60 Hz, 506 VA.  |
| 40 VA.  |
| In sleeve foundation, measure X = 150 mm.   |
| Suitable for max. snow load of 4.28 kN/m².<br>Suitable for max. wind speed of 108 km/h.   |
| Housing IP33, components conducting supply voltage IP43.  |



# Kentaur turnstiles



## Standard units

### Construction

|  |
|--|
| Column diameter                            |
| Portal width                               |
| Total height (without opt. roof)           |
| Passage height                             |
| Passage width                              |
| Portal and housing                         |
| Lockable maintenance opening               |
| Rotating unit with tubular column, Ø 89 mm |
| Barrier element                            |
| Passage limitation                         |
| Additional function                        |

### Finish

|                        |
|------------------------|
| Corrosiveness category |
|------------------------|

### Function

### Electrical equipment

|                           |
|---------------------------|
| Power supply              |
| Standby power consumption |

### Installation

|                |
|----------------|
| Optional roofs |
|----------------|

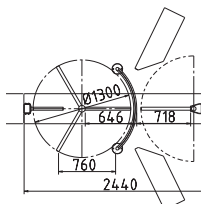
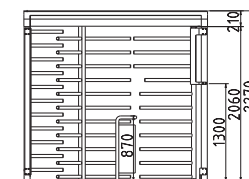
### Protection classes

- \* Type 0 Manual motion; mechanically free in one direction/opposite direction blocked
- \*\* Type 1.1 Manual motion; 1 direction electrically controlled/opposite direction blocked (behaviour in event of power failure: both directions blocked or one direction free, one direction blocked)
- \*\*\* Type 1.2 Manual motion; electrically controlled in both directions (behaviour in event of power failure: both directions blocked or both directions free)
- \*\*\*\* Type 2 Power-assisted motion; servo-positioning drive/electrically controlled in both directions (behaviour in event of power failure, can be selected for each direction: free or blocked)

All dimensions in mm

## FTS-M01

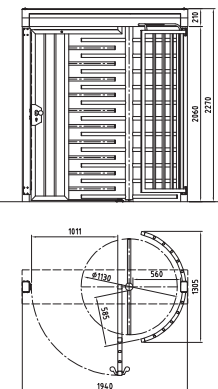
|  |
|--|
| 1300   |
| 2440   |
| 2270   |
| 2060   |
| 646  |
| Steel.   |
| Aluminium.   |
| 120° each with 11 bar-shaped stainless steel AISI 304 crossbars  |
| With 11 straight crossbars, made of steel, with climb-over protection.   |
| Half-height made of curved tubular AISI 304 stainless steel with plate panels.   |
| Automatic bicycle door.  |
| Stainless steel elements glossy AISI 304, hot-dip galvanised steel elements, aluminium elements in RAL 9006 (white aluminium). |
| C3 according to DIN EN ISO 12944-2.  |
| Type 2 ****  |
| Automatic bicycle door with two induction loops and loop detector, electronically controlled in two directions.                |
| Control system integrated in the unit.   |
| 100 - 240 VAC, 50/60 Hz, 506 VA.   |
| 20 VA.   |
| In sleeve foundation, measure X = 150 mm.  |
| Suitable for max. snow load of 4.28 kN/m <sup>2</sup> .  |
| Suitable for max. wind speed of 108 km/h.  |
| Housing IP33, components conducting supply voltage IP43.   |





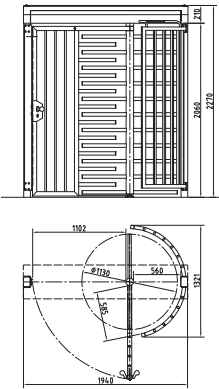
### FTS-M03

|  |
|--|
| 1130   |
| 1940   |
| 2270   |
| 2060   |
| 560  |
| Steel.   |
| Aluminium.   |
| 180° each with 11 bar-shaped stainless steel AISI 304 crossbars  |
| Integrated swing door with 10 straight crossbars and continuous frame.   |
| With steel columns and climb-over protection.  |
| Integrated door that can be opened when required and disabled access.  |
| Stainless steel elements glossy AISI 304, hot-dip galvanised steel elements, aluminium elements in RAL 9006 (white aluminium). |
| C3 according to DIN EN ISO 12944-2.  |
| Type 0 *   |
| Type 2 ****  |
| Type 2: The rotating unit turns automatically 90° in passage direction when the door is opened.                                |
| Control system integrated in the unit.   |
| 100 - 240 VAC, 50/60 Hz, 253 VA.   |
| 20 VA.   |
| In sleeve foundation, measure X = 150 mm.  |
| Suitable for max. snow load of 4.28 kN/m <sup>2</sup> .  |
| Suitable for max. wind speed of 108 km/h.  |
| Housing IP33, components conducting supply voltage IP43.   |



### FTS-M05

|   |
|---|
| 1130  |
| 1940  |
| 2270  |
| 2060  |
| 560   |
| Steel.  |
| Aluminium.  |
| 180° each with 11 bar-shaped stainless steel AISI 304 crossbars   |
| Integrated swing door with 10 straight crossbars and continuous frame.  |
| With steel columns and climb-over protection.   |
| Integrated door that can be opened when required, disabled access and suitable for emergency escape.  |
| Stainless steel elements glossy AISI 304, hot-dip galvanised steel elements, aluminium elements in RAL 9006 (white aluminium).  |
| C3 according to DIN EN ISO 12944-2.   |
| Type 2 ****   |
| Emergency exit function: "individual authorisation" must be granted by the highest authority on building supervision. The rotating unit turns automatically 90° in passage direction when the door is opened. |
| Control system integrated in the unit.  |
| 100 - 240 VAC, 50/60 Hz, 335 VA.  |
| 20 VA.  |
| In sleeve foundation, measure X = 150 mm.   |
| Suitable for max. snow load of 4.28 kN/m <sup>2</sup> .   |
| Suitable for max. wind speed of 108 km/h.   |
| Housing IP33, components conducting supply voltage IP43. IP44 escape route terminal.  |

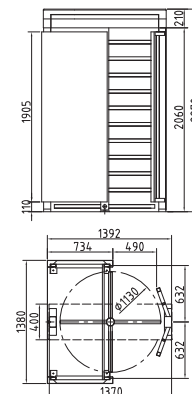
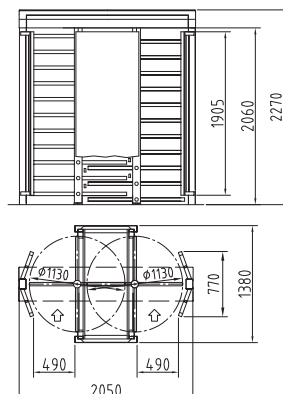


# Kentaur turnstiles



| Standard units                             | FTS-L01   | FTS-L05   |
|--|---|---|
| <b>Construction</b>                        |   |   |
| Column diameter                            | 1130  | 1130  |
| Portal width                               | 2050  | 1370  |
| Total height (without opt. roof)           | 2270  | 2270  |
| Passage height                             | 2060  | 2060  |
| Passage width                              | 490   | 490   |
| Portal and housing                         | Steel.  | Steel.  |
| Lockable maintenance opening               | Aluminium.  | Aluminium.  |
| Rotating unit with tubular column, Ø 89 mm | 90° each with 11 bar-shaped stainless steel AISI 304 crossbars.   | 90° with 11 bar-shaped stainless steel AISI 304 crossbars.  |
| Barrier element                            | Steel in the mid-section, encased in stainless steel, semi-gloss smooth finish on the front panels.   | Steel and encased in stainless steel on the front panels.   |
| Passage limitation                         | With steel columns.   | With steel columns.   |
| Additional function                        | Low space requirement due to interlocking rotating units.   | -   |
| <b>Finish</b>                              |   |   |
| Corrosiveness category                     | Stainless steel elements glossy AISI 304, hot-dip galvanised steel elements, aluminium elements in RAL 9006 (white aluminium).<br>C3 according to DIN EN ISO 12944-2. | Stainless steel elements glossy AISI 304, hot-dip galvanised steel elements, aluminium elements in RAL 9006 (white aluminium).<br>C3 according to DIN EN ISO 12944-2. |
| <b>Function</b>                            | Type 1.1 ** Type 1.1 ***<br>Type 1.2 **** Type 2 *****  | Type 1.1 ** Type 1.1 ***<br>Type 1.2 **** Type 2 *****  |
| <b>Electrical equipment</b>                | The control unit is integrated into the unit.   | The control unit is integrated into the unit.   |
| Power supply                               | 100 - 240 VAC, 50/60 Hz, 506 VA.  | 100 - 240 VAC, 50/60 Hz, 253 VA.  |
| Standby power consumption                  | 40 VA.  | 20 VA.  |
| <b>Installation</b>                        | On finished floor level FFL.  | On finished floor level FFL.  |
| Optional roofs                             | Suitable for max. snow load of 4.28 kN/m <sup>2</sup> .<br>Suitable for max. wind speed of 108 km/h.  | Suitable for max. snow load of 4.28 kN/m <sup>2</sup> .<br>Suitable for max. wind speed of 108 km/h.  |
| <b>Protection classes</b>                  | Housing IP33, components conducting supply voltage IP43.  | Housing IP33, components conducting supply voltage IP43.  |
| <b>Special feature</b>                     | Ideal for stadiums.   | Ideal for stadiums.   |

\* Type 0 Manual motion; mechanically free in one direction/opposite direction blocked  
 \*\* Type 1.1 With power supply unit and micro switch, bolt control unit provided by the customer, optionally with relay  
 \*\*\* Type 1.1 Manual motion; electrically controlled in 1 direction/opposite direction blocked  
 \*\*\*\* Type 1.2 Manual motion; electrically controlled in 2 directions  
 \*\*\*\*\* Type 2 Power-assisted motion; servo positioning drive/electrically controlled in 2 directions



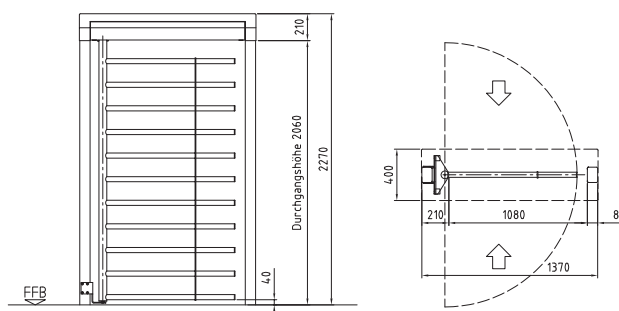
All dimensions in mm

# Kentaur full-height gates



|                             |   |
|-----------------------------|---|
| <b>Standard unit</b>        |   |
| <b>Application</b>          |   |
| <b>Construction</b>         | Portal width                            |
|                             | Total height (without opt. roof)        |
|                             | Passage height                          |
|                             | Passage width                           |
|                             | Portal and housing                      |
|                             | Lockable maintenance opening            |
|                             | Hinge door with tubular column, Ø 60 mm |
| <b>Finish</b>               |   |
|                             | Corrosiveness category                  |
| <b>Function</b>             |   |
| <b>Electrical equipment</b> |   |
|                             | Power supply                            |
|                             | Standby power consumption               |
| <b>Installation</b>         |   |
|                             | Optional roofs                          |
| <b>Protection classes</b>   |   |

|                |  |
|----------------|--|
| <b>FGE-M01</b> |  |
|                | Barrier-free passage of persons and material handling.   |
|                | 1370   |
|                | 2270   |
|                | 2060   |
|                | 1080   |
|                | Steel.   |
|                | Aluminium.   |
|                | With 11 bar-shaped glossy stainless steel AISI 304 crossbars   |
|                | Stainless steel elements glossy AISI 304,<br>Hot-dip galvanised steel elements.<br>Aluminium elements in RAL 9006 (white aluminium). |
|                | C3 according to DIN EN ISO 12944-2.  |
|                | Type 2*****  |
|                | The control unit is integrated into the unit.  |
|                | 100 - 240 VAC, 50/60 Hz, 253 VA.   |
|                | 20 VA.   |
|                | In sleeve foundation, measure X = 150 mm.  |
|                | Suitable for max. snow load of 4.28 kN/m <sup>2</sup> .<br>Suitable for max. wind speed of 108 km/h.                                 |
|                | Housing IP33, components conducting supply voltage IP43.   |



All dimensions in mm

# Optional roofs

|   | FTS-E01 | FTS-L04 | FTS-E02 | FTS-E03 | FTS-E04 | FTS-E05 | FTS-E06 | FTS-M01 | FTS-M03 | FTS-M05 | FTS-L01 | FTS-L05 | FGE-M01 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| <b>Roof D1</b> – depth 1500 or 2770 (total height 120)  |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Width   |         |         |         |         |         |         |         |         |         |         |         |         |         |
| 1650  | •       | •       |         |         |         |         |         |         |         |         |         | •       | •       |
| 1820  |         |         | •       | •       |         |         |         |         |         |         |         |         |         |
| 2220  |         |         |         |         |         |         |         |         | •       | •       |         |         |         |
| 2330  |         |         |         |         |         |         |         |         |         |         | •       |         |         |
| 2620  |         |         |         |         |         |         | •       |         |         |         |         |         |         |
| 2720  |         |         |         |         |         |         |         | •       |         |         |         |         |         |
| <b>Roof D2 and roof D3</b> – depth 2820 (roof edge 200) |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Width   |         |         |         |         |         |         |         |         |         |         |         |         |         |
| 1830  | •       | •       |         |         |         |         |         |         |         |         |         | •       | •       |
| 2000  |         |         | •       | •       |         |         |         |         |         |         |         |         |         |
| 2400  |         |         |         |         |         |         |         |         | •       | •       |         |         |         |
| 2510  |         |         |         |         |         |         |         |         |         |         | •       |         |         |
| 2800  |         |         |         |         |         |         | •       |         |         |         |         |         |         |
| 2900  |         |         |         |         |         |         |         | •       |         |         |         |         |         |

## Roofs to prevent people climbing over and for weather protection

### Roof D1

Hot-dip galvanised steel substructure, trapezoidal sheet cover in RAL 9002 grey-white (optional plastic-coated in a RAL colour).

For multiple units we supply one continuous roof. For four units or more a central water outlet is required. The distance between units is 50 mm.

### Roof D2

Hot-dip galvanised steel substructure, trapezoidal sheet cover in RAL 9002 grey-white (optional plastic coating in a RAL colour).

With roof edge in RAL 9006 and water outlet in grey PVC.

For multiple units we supply one continuous roof. The distance between units is 50 mm. The roof edge is continuous with a length of max. 6.4 m.

### Roof D3

Hot-dip galvanised steel substructure, trapezoidal sheet cover in RAL 9002 grey-white (optional plastic coating in a RAL colour).

With roof edge in RAL 9006 and water outlet in grey PVC.

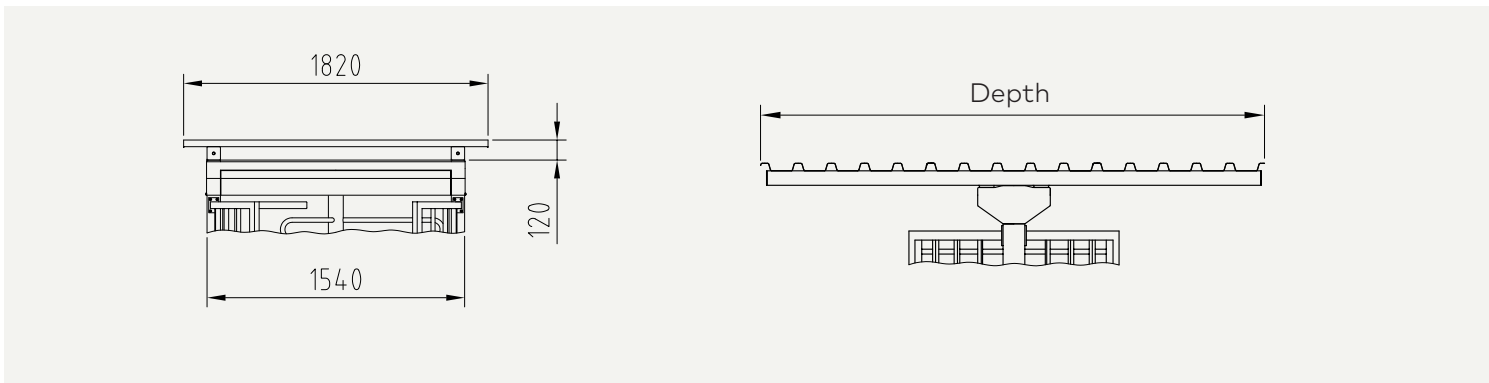
Roof underside with aluminium cladding in RAL 9010.

For multiple units we supply one continuous roof. The distance between units is 50 mm. The roof edge is continuous with a length of max. 6.4 m.

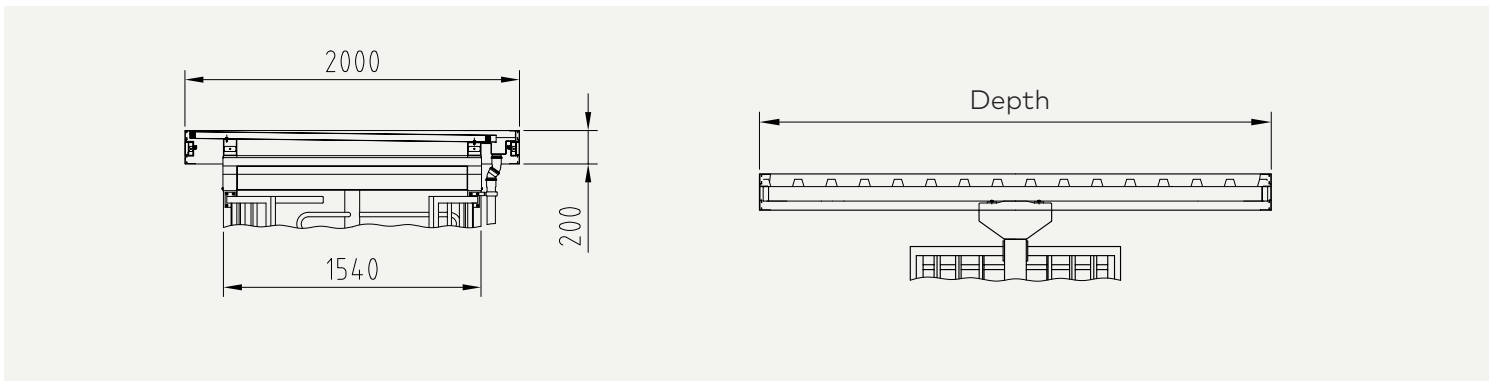
**All roofs are able to withstand a max. snow load of 4.28 kN/m<sup>2</sup> = snow load zone 3 according to DIN EN 1991-1-3, and max. wind speed of 108 km/h = wind load zone 4 according to DIN EN 1991-1-4.**



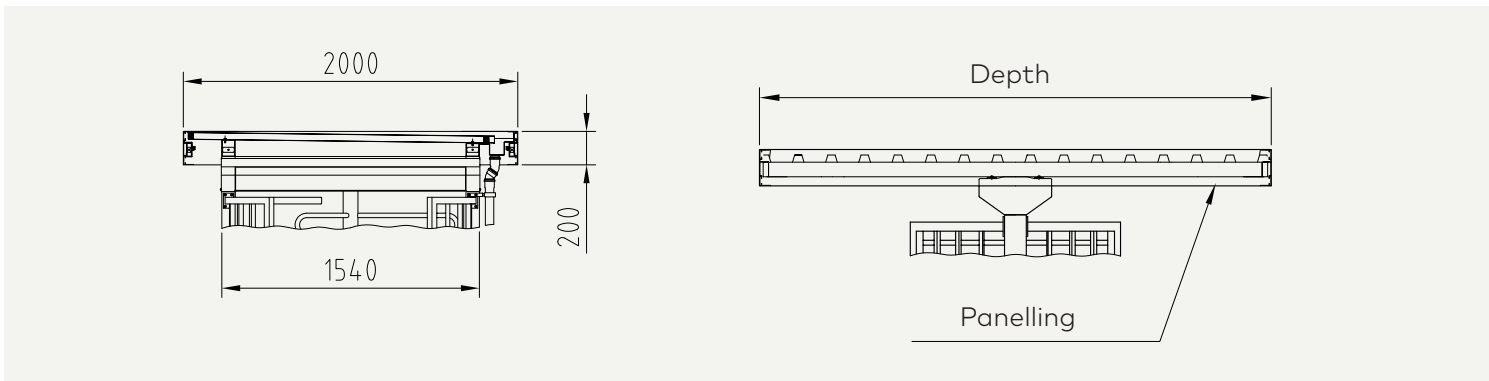
**Roof D1** – with trapezoidal sheet cover



**Roof D2** – with trapezoidal sheet cover, roof edge profile and water outlet



**Roof D3** – with trapezoidal sheet cover, roof edge profile, panelling and water outlet



# Options (depending on unit type)

|   | FTS-E01 | FTS-L04 | FTS-E02 | FTS-E03 | FTS-E04 | FTS-E05 | FTS-E06 | FTS-M01 | FTS-M03 | FTS-M05 | FTS-L01 | FTS-L05 | FGE-M01 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| <b>Construction</b>   |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Housing with lockable front panel made of light metal, plastic-coated according to RAL.   |         |         | •       |         |         |         | •       |         |         |         |         |         |         |
| Roofs D1, D2 and D3. Versions depending on unit type: hot-dip galvanised steel substructure and aluminium roof edge 200, as well as trapezoidal sheet, available plastic-coated in RAL colour.<br>The water drainage can be in stainless steel or plastic-coated in a RAL colour instead of grey. | •       | •       | •       | •       |         |         | •       | •       | •       | •       | •       | •       | •       |
| Curved barrier element, hot-dip galvanised or plastic-coated according to RAL, instead of straight crossbars.   |         |         | •       | •       |         |         |         |         |         |         |         |         |         |
| Rotating unit with curved crossbars including curved barrier element.   |         |         | •       |         |         |         |         | •       |         |         |         |         |         |
| Rotating unit made of AISI 316 stainless steel.   | •       | •       | •       | •       |         |         | •       | •       | •       | •       | •       | •       | •       |
| Rotating unit 4-wing (90 °) made of hot-dip galvanised steel.   |         |         |         |         |         | •       |         |         |         |         |         |         |         |
| For each direction: mechanical pivoted lever unlocking with profile half cylinder, installed in maintenance opening.  | •       | •       | •       | •       |         | •       | •       | •       | •       | •       | •       | •       | •       |
| <b>Finish</b>   |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Steel parts and maintenance openings also powder-coated in RAL.   | •       | •       | •       | •       | •       | •       | •       | •       | •       | •       | •       | •       | •       |
| Corrosiveness category C5-M.  | •       | •       | •       | •       |         |         | •       |         |         |         | •       | •       |         |
| <b>Function</b>   |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Door opener currentless open/currentless close.   |         |         |         |         |         |         |         |         | •       |         |         |         |         |
| Door opener with slide bar, installed in portal housing or drive, in each case for integrated door.   |         |         |         |         |         |         |         |         | •       | •       |         |         |         |
| Two concrete blocks with embedded induction loops instead of loops supplied loose.  |         |         |         |         |         |         |         | •       |         |         |         |         |         |
| Random generator with or without horn.  | •       | •       | •       | •       | •       | •       | •       | •       | •       | •       | •       | •       | •       |
| <b>Electrical equipment</b>   |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Installation preparation for dormakaba detection unit 90 04 and dormakaba compact reader 91 04.   | •       |         | •       | •       | •       | •       | •       |         |         |         | •       | •       | •       |
| Different consoles made completely of stainless steel or plastic or aluminium in colour of unit or in RAL 9006. Front panels of aluminium consoles available in plastic or stainless steel.   | •       | •       | •       | •       | •       |         | •       | •       | •       | •       | •       | •       | •       |
| Button for manual single release.   | •       | •       | •       | •       | •       | •       | •       |         | •       | •       | •       | •       | •       |
| Continuous release in the entry/exit direction.   | •       | •       | •       | •       | •       | •       | •       | •       | •       | •       | •       | •       | •       |
| Operating panels and frames or surface mount housing.   | •       | •       | •       | •       | •       | •       | •       | •       | •       | •       | •       | •       | •       |
| Additional circuit boards for expanding existing inputs and outputs on unit type 2.   | •       | •       | •       | •       | •       | •       | •       | •       | •       | •       | •       | •       | •       |
| Various signal devices.   | •       | •       | •       | •       | •       | •       | •       | •       | •       | •       | •       | •       | •       |
| Various LED lighting and twilight switch options.   | •       | •       | •       | •       | •       | •       | •       | •       | •       | •       | •       | •       | •       |
| Heating.  | •       | •       | •       | •       | •       | •       | •       | •       | •       | •       | •       | •       | •       |
| <b>Installation</b>   |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Turnstile unit can be assembled at the factory for "finished floor level" and "sub floor level" mounting.   | •       |         | •       | •       |         | •       |         |         |         |         |         |         |         |
| Mounting on finished floor level X = 0.   | •       | •       | •       | •       | •       |         | •       | •       | •       | •       |         |         | •       |
| Mounting on sub floor level X = 150 mm.   | •       | •       | •       | •       | •       |         | •       | •       | •       | •       | •       | •       | •       |

All dimensions in mm



Console 1 unit made of plastic the same colour as the unit, W/H/D 94/94/65 mm with  $\varnothing$  65 mm opening, e.g. for contactless readers.



Console 2 unit made of aluminium including front plate, the same colour as the unit, W/H/D 140/180/110 mm.

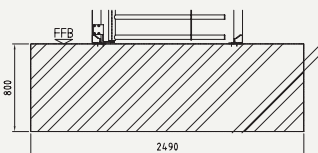


Console 3 unit made of aluminium including front plate, the same colour as the unit, W/H/D 140/365/110 mm.

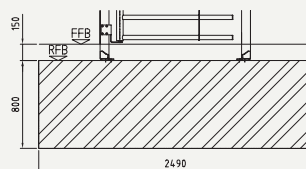
## Installation variants

### Installation variants using FGE-M01 as an example

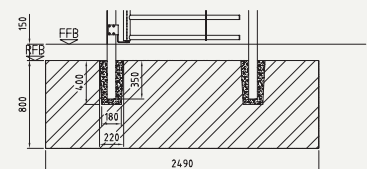
Finished floor level



Sub floor level

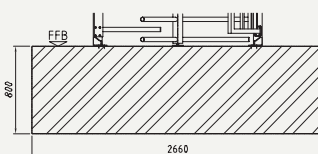


Sleeve foundation

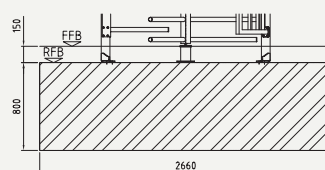


### Installation variants using FTS-E02 as an example

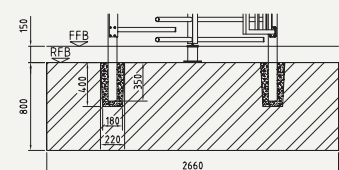
Finished floor level



Sub floor level



Sleeve foundation



All dimensions in mm



**Door  
Hardware**



**Entrance  
Systems**



**Electronic  
Access & Data**



**Interior Glass  
Systems**



**Mechanical  
Key Systems**



**Service**

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