

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, 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.



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 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
- Stainless steel version of the system possible
- 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
- IP55 protection possible
- Integrated, parameterisable random generator
- Optional secondary identification for additional security
- Sensor-monitored pass-through signal possible
- Difference counter possible in both directions
- Spacing between shearing edges eliminates risk of injury
- Suitable for max. snow load of 4.28 kN/m^2 = 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



01
Turnstile with integrated full-height gate as entrance to an underground car park



02
Controlled access to a stadium



03
Turnstile offering additional protection for a restricted area



04
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

| | |
|---------------------------|--|
| 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 |
| Finish | Passage limitation |
| | |
| Corrosiveness category | |
| Function | |
| Electrical equipment | |
| Power supply | |
| Standby power consumption | |
| Installation | |
| Optional roofs | |
| Protection classes | |

Kentaur FTS-E01

1130

1370

2270

2060

560

Steel.

Aluminium.

180° 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.

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).

The control unit is integrated into the unit.

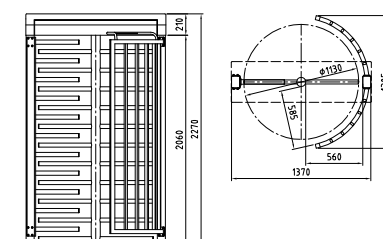
100-240 VAC - 50/60 Hz - 253 VA.

20 VA.

In sleeve foundation, measure X = 150 mm.

Suitable for max. snow load of 4.28 kN/m².
Suitable for max. wind speed of 108 km/h.

Housing IP33, components conducting supply voltage IP43.





Kentaur FTS-L04

1130

1370

2270

2060

490

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.

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).

The control unit is integrated into the unit.

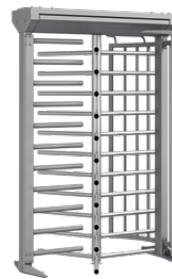
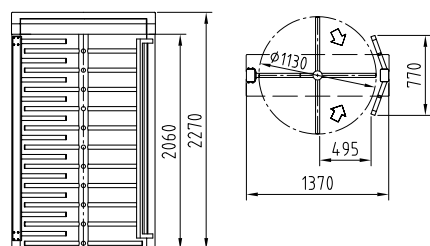
100-240 VAC - 50/60 Hz - 253 VA.

20 VA.

In sleeve foundation, measure X = 150 mm.

Suitable for max. snow load of 4.28 kN/m².
Suitable for max. wind speed of 108 km/h.

Housing IP33, components conducting supply voltage IP43.



Kentaur FTS-E02

1300

1540

2270

2060

646

Steel.

Aluminium.

120° or 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.

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).

The control unit is integrated into the unit.

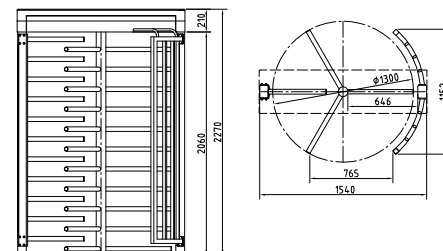
100-240 VAC - 50/60 Hz - 253 VA.

20 VA.

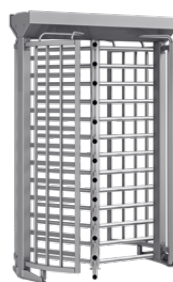
In sleeve foundation, measure X = 150 mm.

Suitable for max. snow load of 4.28 kN/m².
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 | |

Kentaur FTS-E04

1300

1540

2270

2060

646

Steel.

AISI 304 stainless steel.

120° each with 13 bar-shaped stainless steel AISI 304 crossbars.

With 12 curved steel bars.

With steel columns, climb-over protection and saw-through protection.

The unit complies with resistance class RC2 according to DIN V ENV 1627.

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.

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).

The control unit is integrated into the unit.

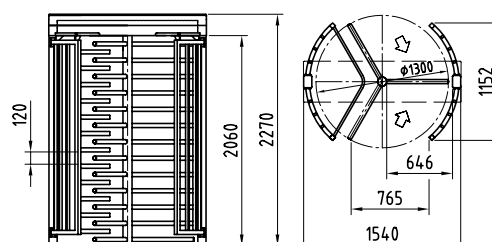
100-240 VAC - 50/60 Hz - 253 VA.

20 VA.

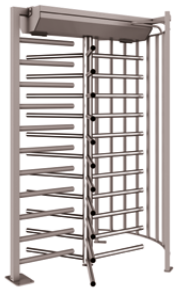
In sleeve foundation, measure X = 150 mm.

—

Housing IP33, components conducting supply voltage IP43.



All dimensions in mm



Kentaur FTS-E05

1300

1500

2270

2060

646

Steel.

Aluminium.

120° or 90° 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.

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).

The control unit is integrated into the unit.

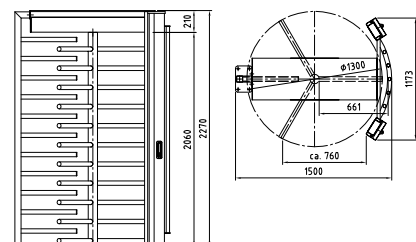
100-240 VAC - 50/60 Hz - 253 VA.

20 VA.

On finished floor level FFL.

–

Housing IP33, components conducting supply voltage IP43.



Kentaur 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.

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).

The control unit is integrated into the unit.

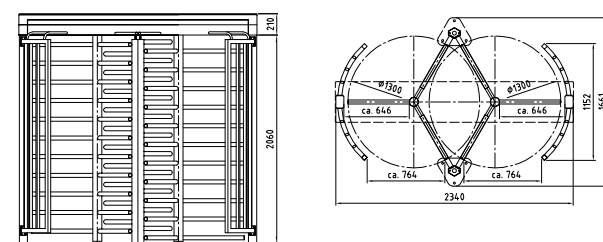
100-240 VAC - 50/60 Hz - 506 VA.

40 VA.

In sleeve foundation, measure X = 150 mm.

Suitable for max. snow load of 4.28 kN/m².
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 | |
| Special feature | |

Kentaur FTS-M01

1300

2440

2270

2060

646

Steel.

Aluminium.

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

With 11 straight crossbars or 7 bow-shaped, 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.

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). 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.

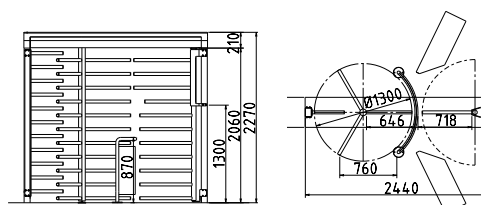
In sleeve foundation, measure X = 150 mm.

Suitable for max. snow load of 4.28 kN/m². Suitable for max. wind speed of 108 km/h.

Housing IP33, components conducting supply voltage IP43.

—

All dimensions in mm





Kentaur 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.

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). SafeRoute-Emergency exit function: 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.

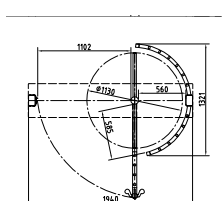
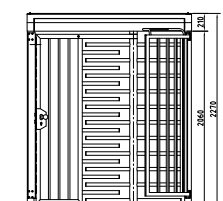
20 VA.

In sleeve foundation, measure X = 150 mm.

Suitable for max. snow load of 4.28 kN/m². Suitable for max. wind speed of 108 km/h.

Housing IP33, components conducting supply voltage IP43. IP44 escape route terminal.

—



Kentaur FTS-L01

1130

2050

2270

2060

490

Steel.

Aluminium.

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

Steel in the mid-section, encased in stainless steel, semi-gloss smooth finish on the front panels.

With steel columns.

Low space requirement due to interlocking rotating units.

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.

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). SafeRoute-Emergency exit function: The rotating unit turns automatically 90° in passage direction when the door is opened.

The control unit is integrated into the unit.

100-240 VAC, 50/60 Hz, 506 VA.

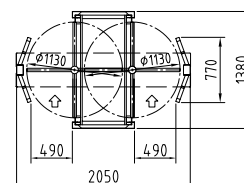
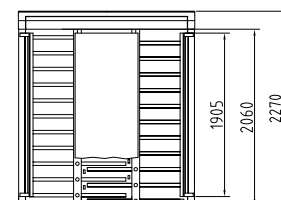
40 VA.

On finished floor level FFL.

Suitable for max. snow load of 4.28 kN/m². Suitable for max. wind speed of 108 km/h.

Housing IP33, components conducting supply voltage IP43.

Ideal for stadiums.



Kentaur Drehflügeltür



Standard unit

| Application | |
|---------------------------|---|
| Construction | 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 |
| Finish | |
| Corrosiveness category | |
| Function | |
| Electrical equipment | |
| Power supply | |
| Standby power consumption | |
| Installation | |
| Optional roofs | |
| Protection classes | |

Kentaur FGE-M01

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,
Hot-dip galvanised steel elements.
aluminium elements in RAL 9006 (white aluminium).

C3 according to DIN EN ISO 12944-2.

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). SafeRoute-Emergency exit function: The rotating unit turns automatically 90° in passage direction when the door is opened.

The control unit is integrated into the unit.

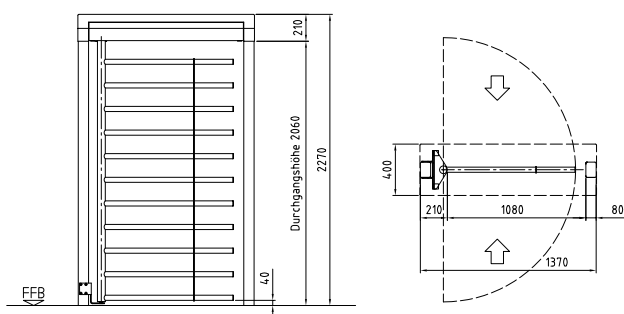
100-240 VAC - 50/60 Hz - 253 VA.

20 VA.

In sleeve foundation, measure X = 150 mm.

Suitable for max. snow load of 4.28 kN/m².
Suitable for max. wind speed of 108 km/h.

Housing IP33, components conducting supply voltage IP43.



All dimensions in mm



Optional roofs

| | Kentaur FTS-E01 | Kentaur FTS-L04 | Kentaur FTS-E02 | Kentaur FTS-E04 | Kentaur FTS-E05 | Kentaur FTS-E06 | Kentaur FTS-M01 | Kentaur FTS-M05 | Kentaur FTS-L01 | Kentaur FGE-M01 |
|--|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Roof D1 – depth 1500 or 2770 (total height 120) | | | | | | | | | | |
| Width | | | | | | | | | | |
| 1650 | • | • | | | | | | | | • |
| 1820 | | | • | | | | | | | |
| 2220 | | | | | | | | • | | |
| 2330 | | | | | | | | | • | |
| 2620 | | | | | | • | | | | |
| 2720 | | | | | | | • | | | |
| Roof D2 and Roof D3 – 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.

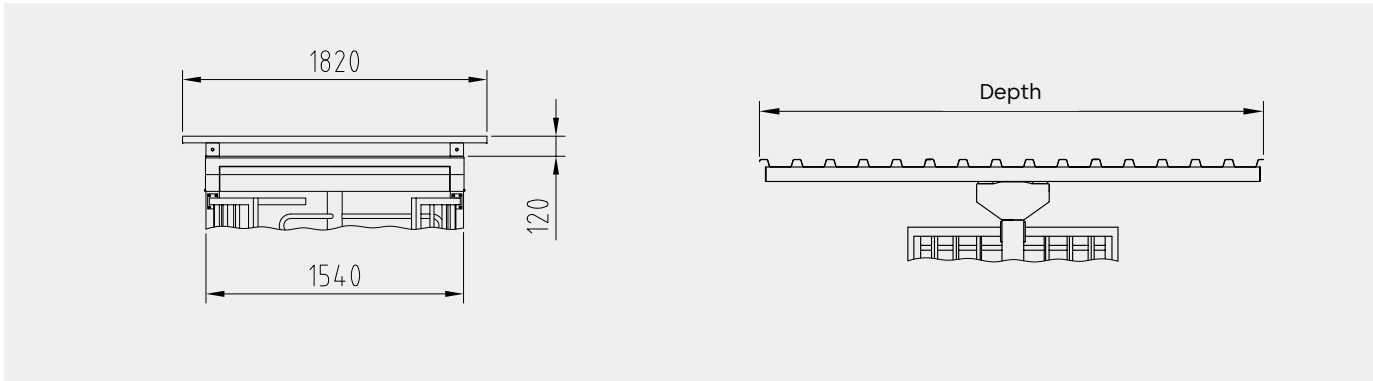
Roof D3

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.

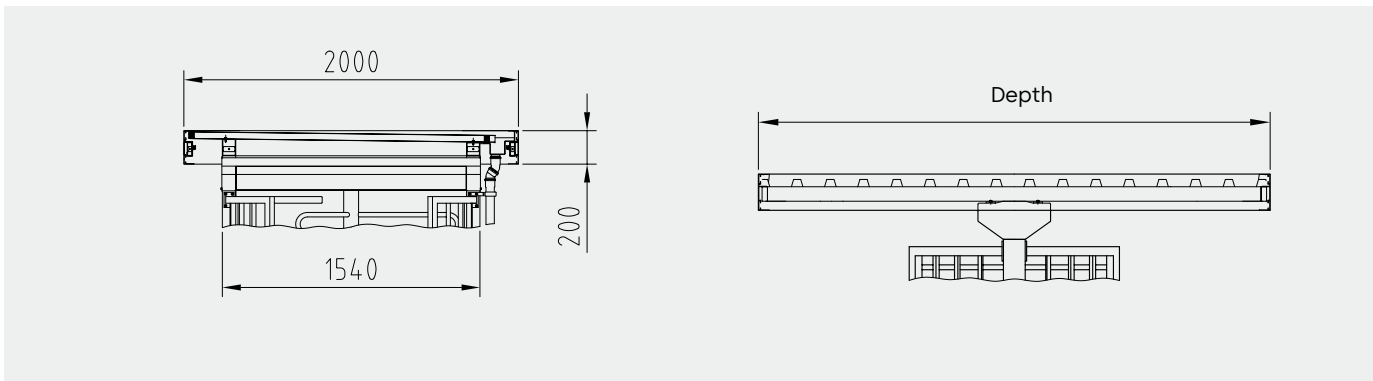
All roofs are able to withstand a max. snow load of 4.28 kN/m² = snow load zone 3 according to DIN EN 1991-1-3, and max. wind speed of 108 km/h = wind load zone 4 according to DIN EN 1991-1-4.

All dimensions in mm

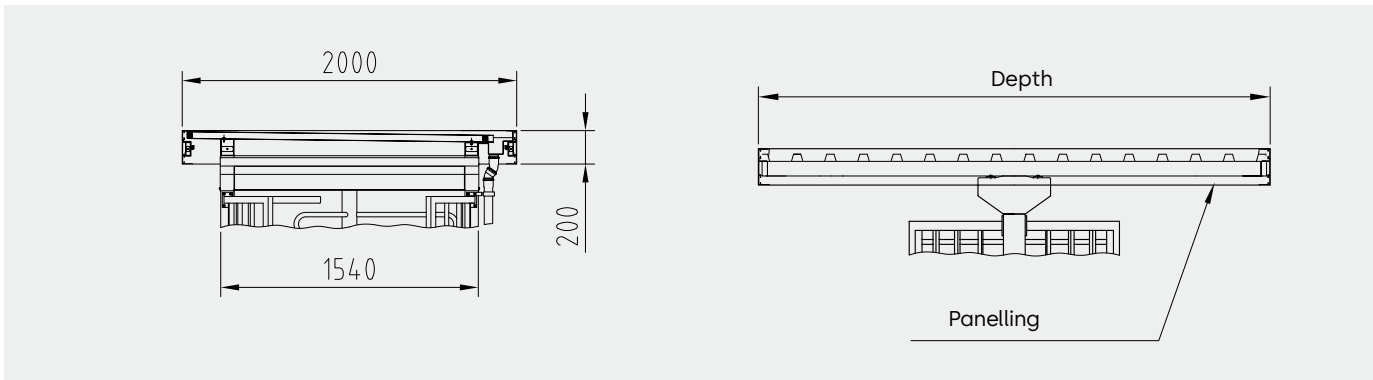
Roof D1 – with trapezoidal sheet cover



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)

| | Kentaur FTS-E01 | Kentaur FTS-L04 | Kentaur FTS-E02 | Kentaur FTS-E04 | Kentaur FTS-E05 | Kentaur FTS-E06 | Kentaur FTS-M01 | Kentaur FTS-M05 | Kentaur FTS-L01 | Kentaur FGE-M01 |
|---|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Construction | | | | | | | | | | |
| Housing with lockable front panel. | | | • | | | • | | | | |
| Roofs D1, D2 and D3. | • | • | • | | | • | • | • | • | • |
| Curved barrier element, 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 galvanized steel. | | | | | • | | | | | |
| For each direction: mechanical pivoted lever unlocking with profile half cylinder, installed in maintenance opening. | • | • | • | | • | • | • | • | • | • |
| Finish | | | | | | | | | | |
| Steel parts and maintenance openings also powder-coated in RAL. | • | • | • | • | • | • | • | • | • | • |
| Corrosiveness category C5-M. | • | • | • | | | • | | | • | |
| Function | | | | | | | | | | |
| 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. | • | • | • | • | • | • | • | • | • | |
| Electrical equipment | | | | | | | | | | |
| 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. | • | • | • | • | • | • | • | • | • | • |
| Signal device. | • | • | • | • | • | • | • | • | • | • |
| Various LED lighting and twilight switch options. | • | • | • | • | • | • | • | • | • | • |
| Heating. | • | • | • | • | • | • | • | • | • | • |
| Installation | | | | | | | | | | |
| Turnstile unit can be assembled at the factory. | • | | • | | • | | | | | |
| Mounting on finished floor level. | • | • | • | • | | • | • | • | | • |
| Mounting on sub floor level X = 150 mm. | • | • | • | • | | • | • | • | • | • |



Console 1 unit made of plastic the same colour as the unit, W/H/D 94/94/65 mm with Ø 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.

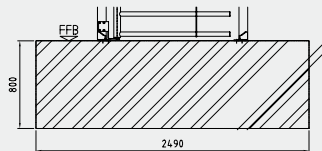


Console 3 unit made of aluminium including front plate, the same colour as the unit, W/H/D 140/365/110 mm.

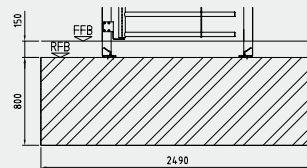
Installation variants

Installation variants using FGE-M01 as an example

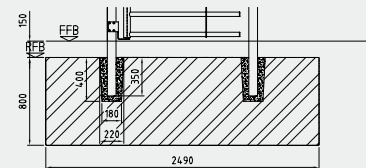
Finished floor level



Sub floor level

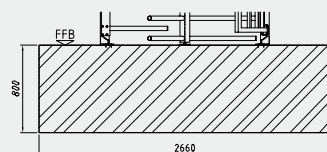


Sleeve foundation

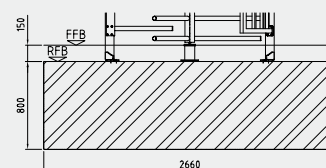


Installation variants using FTS-E02 as an example

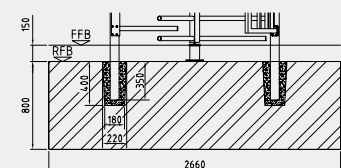
Finished floor level



Sub floor level



Sleeve foundation



All dimensions in mm

Our Sustainability Commitment

We are committed to foster a sustainable development along our entire value chain in line with our economic, environmental and social responsibilities toward current and future generations. Sustainability at product level is an important, future-oriented approach in the field of construction. In order to give quantified disclosures of a product's environmental impact through its entire life cycle, dormakaba provides Environmental Product Declarations (EPD), based on holistic life cycle assessments.

www.dormakaba.com/sustainability



Our offering

Access Automation Solutions

Entrance Automation
Entrance Security



Access Control Solutions

Electronic Access & Data
Escape and Rescue Systems
Lodging Systems



Access Hardware Solutions

Door Closers
Architectural Hardware
Mechanical Key Systems



Services

Technical Support
Installation and commissioning
Maintenance and Repair



Key & Wall Solutions

Key Systems
Movable / Sliding Walls



Safe Locks

Electronic Safe Locks
Mechanical Safe Locks
Boltworks and Accessories



Glass systems

Manual door systems
Glass fittings
Horizontal Sliding Walls



WN 5470851532, EN, 05/2023
Subject to technical modifications.



dormakaba.com

dormakaba
International Holding AG
Hofwissenstrasse 24
CH-8153 Rümlang
T +41 44 818 90 11
info@dormakaba.com
dormakaba.com