
Tender Description

Turnstile TurnSec Bicycle 4.0

two-directional and electrically lockable turnstile with bicycle sluice consisting of rotor, swing gate, fixed top gate panel, deflecting element, half-height guide element, top frame, bottom frame for installation with 200 mm lowered foundation as well as drive housing with drive and control unit

OPERATING MODE:

Motor-assisted operation TOURNAMATIC – following release and manual triggering of the rotor the motor-assisted passage is executed, and the rotor is subsequently locked in the end position

If the swing gate is triggered during the release time, it opens and closes automatically following the expiry of the hold open time

Turnstile fail safe in exit direction and fail secure in entry direction during power failure

Optional: Turnstile fail safe in both directions during power failure

Swing gate fail secure in both directions during power failure

Throughput: approx. 15 persons/min (single release)

DIMENSIONS:

Height x Length x Width = 2630 x 2500 x 1500 mm

Passage height turnstile: 2140 mm

Push through height bicycle sluice: approx. 1390 mm (bicycle sluice)

Passage width turnstile: approx. 620 mm between rotor and half-height guide element

Push through width bicycle sluice: approx. 710 mm

Diameter rotor: 1220 mm

POSITIONING OF TURNSTILE:

Turnstile is located on the right side viewed from the outside

ROTOR:

Column made of round hollow section D88.9 with three rows of welded on trombone arms made of round hollow section D26.9, 120°

BICYCLE SLUICE:

Consisting of swing gate with horizontal bar infill made of round hollow section D26.9 and pictogram bicycle, fixed top gate panel with horizontal bar infill made of round hollow section D26.9 and two corner posts made of square hollow section SHS 100 and one centre post made of rectangular hollow section RHS 150x100

GUIDE ELEMENT:

Half-height guide element made of round hollow section D60 and D40, with sheet metal infill positioned between rotor and swing gate, in straight design

Optional: Half-height guide element in curved design

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DEFLECTING ELEMENT:

Consisting of two operating posts (= end posts) for the installation of control devices and one centre post made of rectangular hollow section RHS 150x100, curved side elements with perforated sheet, round holes staggered, 20 mm hole width, 28 mm spacing and deflecting arms D40 screwed onto the operating posts on the inside and outside

Optional: side elements with vertical bar infill made of round hollow section D26.9

OPTIONAL ROOFING:

Single shell canopy or Makrolon roof

OPTIONAL ILLUMINATION:

LED-illumination with or without twilight switch

DRIVE HOUSING:

Drive housing H x B x T: 237.5 x 2400 x 480 mm mounted on top frame complete with inspection door, opening upwards incl. sash fastener lock

DRIVE UNIT:

Turnstile: gear motor in combination of 1 pc. indexing freewheel and electromagnetic brake with 1 pc. indexing freewheel and permanent magnetic brake
Optional: combination of 2 pcs. indexing freewheels with 1 pc. electromagnetic brake each (optional)

Bicycle sluice: gear motor with indexing freewheel and spring-loaded brake

Motor: 1 ~ 230 V Δ , 50 Hz

Proximity limit switches for turnstile and bicycle sluice end positions

CONTROL UNIT:

WE-Tronic II with contactor board, installed in drive housing,
control voltage 24 V DC

start memory for high throughput efficiency, stop in end position preventing revving up of the rotor, automatic locking after elapsed time (time-out, adjustable)

SUPPLY VOLTAGE:

230 V (1Ph + N + PE), 50 Hz

CONTROL DEVICES (OPTIONAL):

- table top push button with selector switch for free entry, free exit and blocked as well as push button for single release entry and exit
- push button single release
- Lumitas-push button incl. LED-indication red/green
- key switch single release
- key switch free access
- code key pad
- proximity card reader

Tender Description

- traffic light red/green
- traffic light pictogram green arrow / red cross
- intercom system

SURFISH FINISH:

Rotor, swing gate and guide element: stainless steel V2A

Bottom frame: hot-dip galvanised

Deflecting element, top frame, drive using, fixed top gate panel and sheet metal infill of guide element:

powder-coated in standard-colour RAL 6005 – moss green, RAL 7016 – anthracite grey, RAL 7030 – stone grey, RAL 7035 – light grey or RAL 9010 – pure white

Optional: deflecting element, top frame, drive using and fixed top gate panel powder-coated in special RAL-colour

WEIGHT:

Approx. 760 kg (without roofing)

FOUNDATION:

Foundation with secondary reinforcement according to manufacturer's instructions

MANUFACTURER:

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