



# BAR SKR

## BASIC CHARACTERISTIC

**BAR -SKR** turnstile is a suitable device for any environments thanks to its compact design, impressive look and reliable operation together with the latest technology. Low operation costs and easy installation make **BAR-SKR** turnstile to be the most suitable device to control the movement of persons at entrance control system with low passing frequency. High technical performance and good-quality constructional materials guarantee the reliable, safe and long-life running. Control electronics of the most modern conception enables the easy setting of its own turnstile operating mode and at the same time it makes possible to communicate with different types of identification and signalling devices. This turnstile is possible to fill in only with motor-driven unit and it can be steely with spray application or stainless steel.

### MOTOR DRIVE UNIT MT

**BAR-ST** turnstile motorised unit is characteristic by its high comfort, reliable and maintenance-free running:

- effective blocking system in combination with motor-driven unit
- automatically adapts the rotation speed to the users
- silent and fluent running
- smooth slowing down and stopping the turnstile

Motor-driven unit is supplied in two variants:

- 1) **FAIL-LOCK:** turnstile is blocked during the power failure
- 2) **FAIL-SAFE:** turnstile is unblocked for free passage during the power failure

### TURNSTILE MATERIALS AND SURFACE TREATMENT:

#### Steel design with spray application:

Zinc-galvanized steel tubes with wall thickness 2 and 4 mm, surface-finished by powder coating (standard - black RAL 9005 GS)

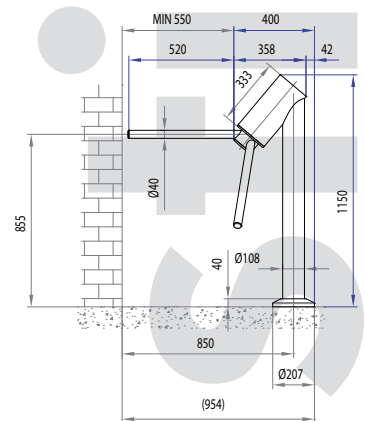
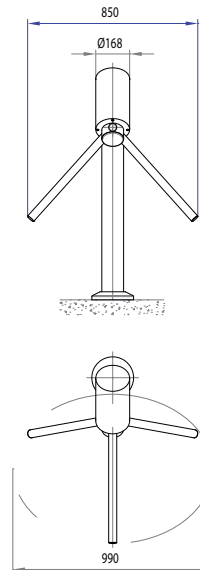
#### Stainless design:

Stainless tubes with wall thickness 2 and 4 mm completed with a lid from stainless steel sheet thickness 1 mm for covering the armature (standard - brushed).

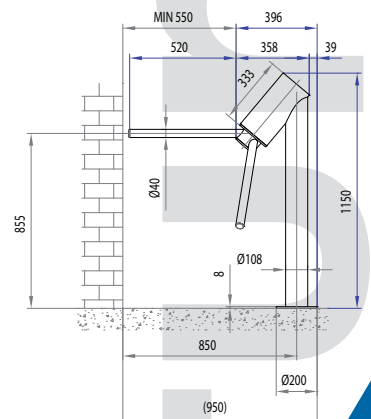
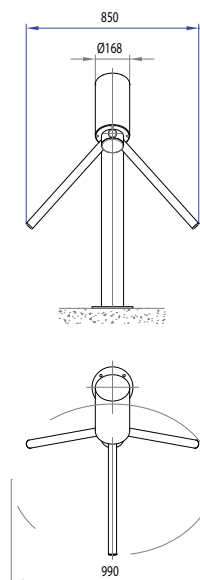
**Tripod hub:** always stainless (standard-brushed)

**Bars:** stainless tube  $\varnothing$  40 mm (standard-brushed)

Other mechanical parts of turnstile are finished by galvanic zincing or blackening.



STAINLESS DESIGN



STEEL DESIGN

## Interface:

Turnstiles are controlled by microprocessor control units that is equipped with high effective processor. Control electronics is equipped with extensive subsystem that enables the connection of many input and output devices, all of them are galvanically isolated.

- device operating by status signals, serial bus RS 485, USB or Ethernet (with external converter)
- configurable two-state outputs about turnstile status
- motor control by digital power bridges with overload protection and current measurement
- include generating log file with a list of all faults accompanied with time/date mark
- possibility of remote firmware upgrade
- wide range of configuration and diagnostics parameters for remote customization using T-CONF software
- full remote control of turnstile network including passage counters status shown on PC using T-MON program
- possibility to connect the supplementary ultrasonic, laser or infra-red sensors
- enables back up accumulator connection directly in the turnstile (supports charging, measuring and auto-switching for power supply from accumulator in case of power failure)
- connectors for all input/output signals for fast and easy installation, service and replacement
- top-quality control electronics enables high operational reliability

## Operating modes:

If input signal from access control system or button controller is received it is possible to turn round the turnstile 120° and by that way enable the passing to one person.

The device makes possible to set up the function function called **GO-CALL** which automatically rotates tripod head a few degrees forward to visually inform the user that access through turnstile is allowed identification of passing person.

For each way of direction it is possible to define the different operating modes:

1. free passage
2. controlled passage
3. permanently blocked

This setting can be set-up for any direction eventually for both directions at the same time.

## BASIC TECHNICAL PARAMETERS

### Table of drive unit electric parameters:

Type of drive unit	Rated supply voltage	Power consumption in basic operation modes		
		Standby mode break activated / break released		Transit mode
Motorised FAIL-LOCK	12VDC	3 W	12,5 W	25 W
Motorised FAIL-SAFE	12VDC	12,5 W	3 W	15 W

- standard range of working temperatures +10 ... +50 °C
- range of working temperature (with heating module) -25 ... +50 °C
- range of storage temperatures 0 .... +50 °C
- maximum relative humidity 80% (non-aggressive environment)
- MCBF: 3 000 000 cycles (number of cycles before error)

The number of passages, in dependance on type of control electronics, operating mode and the way of identification of passing people, rates between 15 to 30 persons per minute.

Increase of power supply on motor drive unit with automatic rating module is 24 W. The power supply can be also increased by using optional accessories.



## ACCESSORIES

### Guiding railings:

For the right function it is suitable to add BAR turnstile with guiding railings with minimal length of 850 mm or install it to some suited object (for example: reception desk).

### Columns for accessories:

Considering the turnstile compact design it is necessary to install identification terminals or other accessories (for example: TrafficLight LED information panel) on individual columns or bars.

### Traffic-Light information panel:

- information about the turnstile accessibility in set direction
- information about transit permission based on evaluation by access control system
- information about invalid card

### Touch control panel

- animation of identification card alarming necessary identification of the passing person
- information about the turnstile accessibility in set direction
- information about transit permission based on evaluation by access control system
- information about reading of invalid identification card

### Back-up accumulator:

During a power failure the accumulator ensures the turnstile continuous operation for a period of minimally 6 hours. It is possible to use two backup modes.

- accumulator placed in power supply unit (back up > 6 hours)
- accumulator inside the turnstile (emergency back up about 30 minutes in case of feed cables disconnection)

### Counter:

- included in T-MON program
- it is possible to connect an external counter.

### Identification systems:

In order to identify the passing people, it is possible to connect to these turnstiles **BAR-SKR** any type of barcode, magnetic card, proximity chip card, smart card, biometric terminal etc.

### Outdoor design:

- special turnstile turning barrier for indoor service
- automatic drive unit heating controlled by thermoregulator

### Software accessories:

**COMMUNICATION CLIENT** - software that enables the connection of turnstile network with PC. This program runs on the background (its activity is hidden) and enables to any PC with valid authority to make setting and control the turnstile network.

**T-MON** - program that enables to control the turnstile system from any PC with valid authorization in customer's network. Remote control of the same turnstile is possible from different PC at the same time. It is fully graphic application that can be used even with touchscreen monitors.

**T-CONF** - program that enables to change the turnstile configuration, configuration backup, record new configuration, error report and vyústit z textu firmware upgrade. It is localized to many world languages. It is possible remotely connect to any turnstile through Internet after fulfilment of all network qualifications.

### Specific variants:

Powder coating in RAL custom colour.