



BS600 Barrier mechanism

At intersections between rail and road, barrier mechanisms are used to visually and physically close off the crossings. Smooth functioning under all circumstances, reliability, a long lifespan and minimal maintenance are the core qualities of the Transport System Solutions BS600 barrier mechanism, guaranteeing the safety of road users, train passengers, personnel and goods.







Safe and reliable

The mechanism of the BS600 barrier consists of a steel frame bolted by its base plate onto a pre-cast concrete plinth, ensuring maximum rigidity. The plinth has built-in cable channels.

The position of the barrier can be remotely monitored via the position contacts. A strong holding magnet keeps the barrier in the vertical position. As long as the magnet is energised, the level-crossing barrier cannot come down. When the magnet is not energised, gravity pulls the barrier down. If a shorter lowering time is required, the barrier can also be driven downward mechanically. The BS600 barrier mechanism moves very rapidly, but closing and opening times are adjustable. The BS600 barrier is also available with an emergency battery.

Easy installation

The Transport System Solutions BS600 barrier mechanism has a vandal-proof, flame-retardant plastic housing.

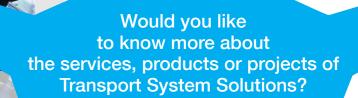
If required, the control cabinet can be placed at some distance. The BS600 barrier mechanism can handle 12 volts, 24 volts and 220 volts.

Because the mechanical adjustments are preset in the factory, the BS600 barrier mechanism can be easily and quickly installed on site.

The BS600 barrier mechanism is available in a standard and in a modular design. The modular design has a mounting post for an electronic bell assembly (EBA), road signals, St Andrew's cross and other components. In case of a longer barrier, an extra counterweight is added to the short end of the barrier to keep it balanced.

- Easy installation due to factory presets
- Optional emergency battery
- Adjustable opening and closing times
- Long life
- Low maintenance
- Low energy consumption





Please contact our Sales Department by sending an email to info@transport-ss.com or go to our website www.transport-ss.com.

Specifications

Height of main shaft Height of top of barrier

Operation

During power outage

Supply voltage

Required electrical current

Quiescent current

Temperature range Degree of protection

Fastening Weight

Barrier length

1100 mm from base plate 1000 mm from base plate

Automatic remote

Normal: barrier closes by

means of gravity

Optional: barrier goes up

and stays open

24 V DC

< 15 A

0.1 A (holding magnet in

vertical position)

-25 °C to +60 °C

IP44

Crank lock

Main Housing: 100 kg

Barrier: 35 kg (excluding

counterweight)

Max 6000 mm from tip to

main shaft

Integrated LED lighting Interlock of open position Fail-safe dropping

Vandalism load for barrier

24 V DC With hook

Up to upper limit of wind

force 8 (21 m/s)

Vertical max: 100 kg (at barrier length of 6 m)

Horizontal max: 75 kg (at barrier length of 6m)

Optional

- · Emergency battery with battery charger
- Supply voltage other than 24 V DC
- Shear pin construction