

BARRIER AŽD 99

- Insulation 4 kV
- Use of the barrier drive mast for warning board(s)
- Installation of 2 warning boards on one mast
- Locking the beam in the bottom position can be supplemented
- Check the beam integrity
- Option of wooden/plastic/aluminium beam supplemented by beam warning lights



General Description

Barrier AŽD 99 is a part of the level crossing system which indicates to road users that a railway vehicle is approaching (by closing the road area with the barrier beam).

Basic Technical Description

The barrier consists of the following parts:

- mast with barrier drive box
- wings with counterweight to balance the beam weight
- barrier beam with bracket

The barrier beam length is selected according to the length needed to block the road clearance area and the distance between the post and the road. The barrier beam bracket is equipped by break elements.



Barrier drive box

In the basic state the barrier beam is held in the upper position by the self-sealing EMG. After the electromagnet excitation is disconnected the beam is going down by gravitation to the horizontal position and its movement is slackened up by a motor operating as a dynamo.

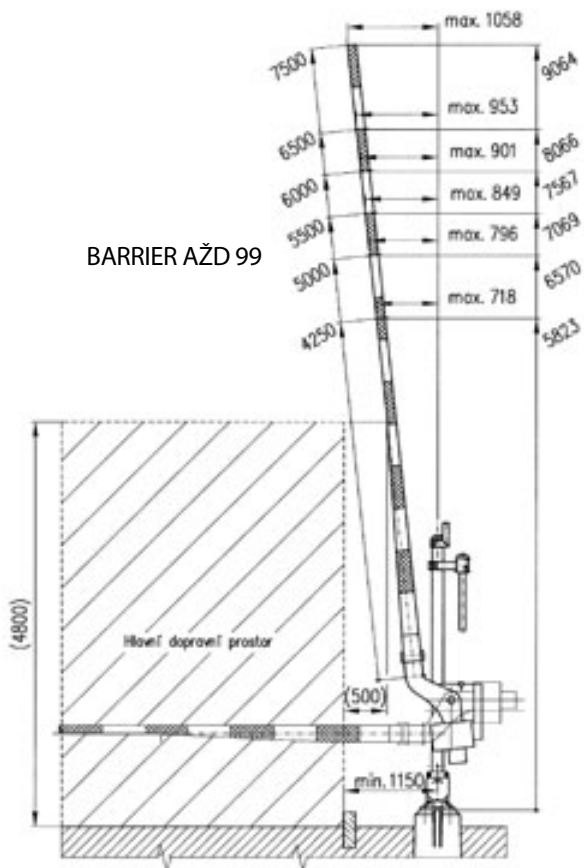
The barrier beam integrity is supervised by electric cir-





Basic Technical Parameters

Power supply	28,8 V	
Steady current	8,5 A	
Starting current	20 A	
Starting moment	8,5 Nm	
Electromotor input	135 W	
Revolutions	500 rev/min	
Beam length	4,25 to 7,5 m	
Cover rating	IP 43	
Weight of individual barrier parts	rack	max 500 kg
	barrier beam with bracket	max. 45 kg (acc. to a type)
	wings with counterweight	max. 160 kg (acc. to a type)
Beam opening time	max. 10 sec	



Dimensional drawing