

## CHECKING APPARATUS MSBS1

### Description:

MSBS1 check apparatus is used to measure the static brake force of BTs, BTs-DUO and other monorail braking carriages.

It consists of push force generator, bracket and push adapter (For the items see the figure.)

- The push force generator (3) is a linear hydromotor with integrated manual pump and pressure gauge (9).
- Bracket (1) and safety pin (2) are used to mount the apparatus to the monorail.
- Push adapter (5, 6, 7) connects the apparatus with the measured braking carriage.

### Technical parameters:

- Measured force max. 65kN (65MPa)
- Stroke max. 150 mm
- Measurement accuracy 1,6%
- Dangerous working environment with conditions ČSN EN 1127-2 2
- Track profile I 155
- Weight 28 kg

### Application:

Slide the bracket (1) on the rail section from the bottom and secure with the safety pin (2) with nut.

Insert the push force generator (3) fitted with support nut (5) into the bracket casing and secure with nut (4).

Attach the adapter eye (7) with adapter bolt (6) put inside to the braking carriage and inset into the push force generator's support nut.

Brake the carriage manually and adjust the play using the adapter bolt (6), if necessary.

Exert hydraulic pressure using extension arm (8) mounted on the manual hydraulic pump so that the linear hydraulic motor applies push force on the braking carriage.

The maximum achieved static brake force is read on pressure gauge (9) provided with conversion label (1MPa=1kN). To enable the hydraulic motor homing open the valve so that the pressure from the hydraulic motor is discharged to oil tank.

