

# MONORAIL BRAKING WAGON

for heavy type hanging monorails  
**BTs-DUO** type



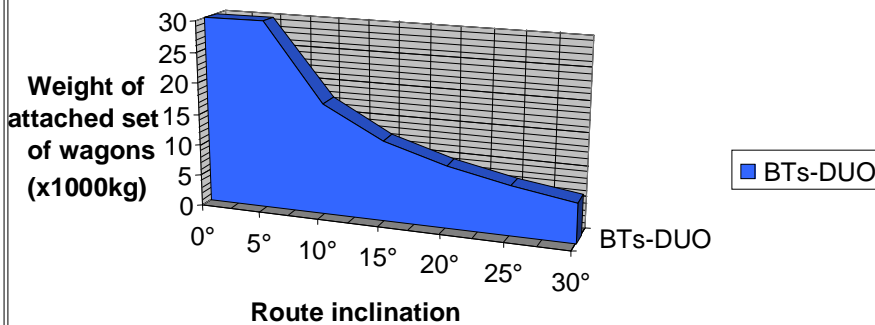
BTs-DUO consists of the main and auxiliary braking wagons (interconnected both mechanically and hydraulically) and has been designed for the operation on hanging monorail of a heavy type (series ZD24, A, B, C, etc.) being used for haulage with a hanging locomotive, pertinently driven with infinite and/or open rope. BTs-DUO functioning secures the set of wagons and its elements (load-bearing wagons, loads, cabins for transport of persons, etc.) against going off and endangering the operational safety upon exceeding maximum permitted transport velocity such a way, that it would grip the rail section with its grips.



**Technical Data:**

- Operational velocity 0 - 2 m/s
- Maximum speed for giving the order to brake 3,2 ±4% m/s
- Maximum route inclination 30°
- Minimum static braking force 2x52 kN
- Maximum braking stopping distance under a load as per the Graph 11 m
- Maximum delay for transport of persons 9,81 m/s<sup>2</sup>
- Minimum weight of braked set of wagons for transport of persons 4000 kg
- Weight 360 kg
- Working environment featured with dangerous atmospheric conditions as per the standard ČSN EN 1127-2 2

**Weight of attached set of wagons depending on operational inclination of the hanging monorail route**



Route inclination	Max.weight of braked set of wagons (x 1000kg)
0°	30
5°	30
10°	17,8
15°	12,8
20°	9,8
25°	7,7
30°	6,3