

Double-axle bogie mod.68-7041 with pneumatic suspension



Two-axle bogie is intended for passenger coaches operating on 1520 mm railways within Ukraine, the CIS and Baltic countries, with speed up to 160 km/h. The bogie is designed in conformity with norms and operating conditions for the rolling stock of the CIS railways and operational requirements for upper structure of railway lines.

Method of the bogie connection with the coach body is analogous to the bogie mod.68-7007/7012 manufactured by Railway Car Building Works”.

The bogie is equipped with:

- **axle box suspension (4 sets of coiled double springs and 4 vertical hydraulic shock absorbers);**
- **central suspension (2 pneumatic springs with two vertical shock absorbers and one horizontal shock absorber);**
- **side vibration suppressing mechanism;**
- **bogie main beam (of dumping type);**
- **Axle box temperature mode registration mechanism.**

Technical characteristics	
Mass, kg	6700
Bogie height under unequipped coach, mm	940±20
Base, mm	2 560
Summary static deflection, mm	400
Maximum static load from wheel set on rail, kN (tf)	176,5 (18,0)
Design speed, km/h	160

- **Double-axle bogie with generator drive mod. 68-7013**



- **Two-axle bogie without cradle is intended for high-speed passenger coaches to be used on 1520 mm gauge railways with speed up to 200 km/h.**
- **The bogie is equipped with:**
 - **torsion vibration suppresser;**
 - **disc brakes with wheels sliding control device;**
 - **sensor of axle box temperature active measurement in real time mode;**
 - **Transversal and longitudinal forces transmission mechanisms between body and bogie.**

Technical characteristics	
Mass, kg	7490
Bogie height under unequipped coach, mm	940±20
Base, mm	2 560
Summary static deflection, mm	405-
Maximum static load from wheel set on rail, kN (tf)	176,5 (18,0)
Design speed, km/h	160

- **Double-axle bogie model 68-7007 (68-7012 with manual brake drive)**



- **Two-axle bogie without cradle is intended for high-speed passenger coaches to be used on 1520 mm gauge railways with speed up to 160 km/h.**
- **The bogie is equipped with:**
 - **torsion vibration suppresser;**
 - **disc brakes with wheels sliding control device;**
 - **of axle box temperature active measurement in real time mode;**
 - **Transversal and longitudinal forces transmission mechanisms between body and bogie.**

Technical characteristics	
Mass, kg	6 850
Bogie height under unequipped coach, mm	940±20
Base, mm	2 560
Summary static deflection, mm	405-
Maximum static load from wheel set on rail, kN (tf)	176,5 (18,0)
Design speed, km/h	160