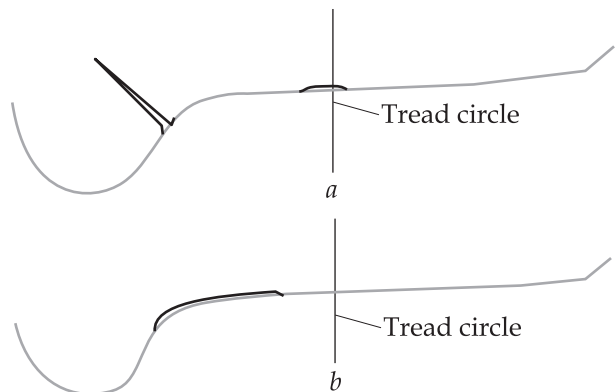


WEAR-RESISTANT RAILWAY WHEEL RIM PROFILE



Contact patches of wheels with a standard profile (a) and with ITM-72-02 profile (b)

Areas of Application

To be used in the freight railway cars with constant contact bearings, which operate on 1520 mm gage railroads in Ukraine; the CIS countries and the Baltic States

Specification

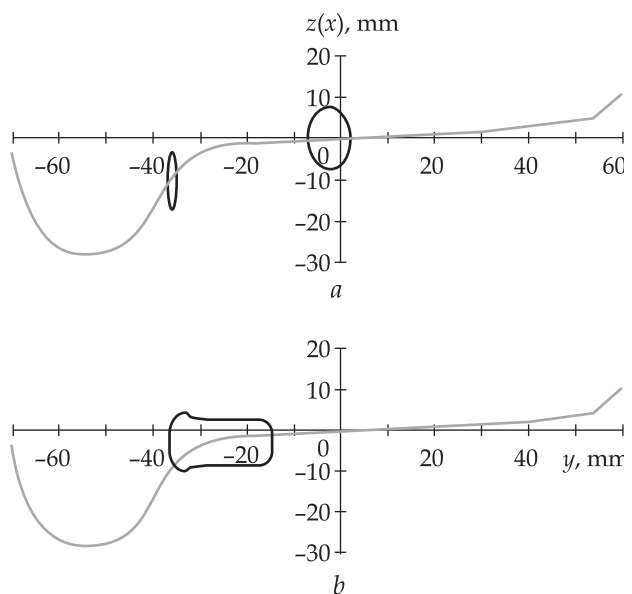
The use of rim profile can increase the contact patch area and ensure a conformal wheel contact

Advantages

The offered wheel rim profile extends the wheel life (in terms of wheel flange wear) 4–5 times as compared with the conventional wheel profile (GOST 9036-88), which significantly reduces the intensity of wheel tread wear and adds 350–400 thousand km mileage between flange re-turnings

IPR Protection

IPR3



Distributions of tread running surface wear over the contact patches in meridian plane for wheels with a standard profile (a) and ITM-72-02 (b) profile

Stage of Development. Suggestions for Commercialization

IRL3, TRL3
Manufacturing license is proposed

Contact Information

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