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NORD-LOCK GmbH.
Mr Wolfgang Ulbrich
In der Waage 10
D-73461 Westhausen

18.12.2006

Re: Adoption of wedge-action lock washers by the DB

Dear Mr Ulbrich,

I hereby certify to the company NORD-LOCK that the wedge-action lock washers made of coated, non-alloy steel and rust resistant steel, protecting against the loosening of bolted joints, comply with the technical standards of German National Railways, according to standard DIN 25201.

The adoption of the wedge-action washer is in accordance with the railway standard BN 208 010 for bolt locking devices and applies to wedge-action washers of all sizes for the interior and exterior zone until further notice.

Substantiation:

NORD-LOCK wedge-action washers have already been in use for some years by German National Railways (DB) as protection against the loosening of bolted joints. In so doing, the wedge-action washers adopted by the DB have proved themselves in practice through their usage by vehicle manufacturing subcontractors. Irregularities, such as loosened bolted joints, have not been recorded.

In addition, since 30.11.2006, the wedge-action washers have been granted approval by the EBA for use as protection against the loosening of bolted joints in accordance with DIN 25201, in the area of permanent way and as securing components of track switches.

Best wishes
Deutsche Bahn AG

¹ Nord-Lock wedge-action washers have been used by companies including Dellner as bolt securings in couplers and are demonstrably in operation in the following vehicle models:
VT 640, VT 641, VT 648 as well as ICE 2.