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Titre :

Annual inspection recommendations for vehicle transportation load securing

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Répertoires des révisions

Indice	Objet et/ou nature de la révision	Chapitres concernés	Date
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Approbations externes

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Annual inspection recommendations for vehicle transportation load securing

1 Introduction

The annual inspection of vehicle carrier, regarding load securing, must follow the requirements of VDI 2700-8.1:2024 (VDI 2700-8.2:2024).

This document provides recommendations for inspecting the various components of the vehicle transporter: straps, vehicle structures, loading platforms, attachment points, and wheel chocks.

The vehicle transporter is presented empty, with straps deployed and the label visible, and chocks locked onto the loading platforms.

The person performing the inspection is competent.

2 Lashing straps

Straps must comply with the requirements of VDI 2700-8.1:2024 for the transport of light vehicles up to 4.5 tons, or comply with VDI 2700-8.2:2024 for the transport of heavy vehicles.

The strap textile must not exhibit fraying exceeding 1 mm in width (see Fig. 1).



Fig. 1 Frayed strap fabric



The label is legible and displays the manufacturer's information.

The textile is undamaged.

The fittings and tensioner show no damage (cracks, notches, perforating corrosion), nor significant deformation.

The tensioner and locking mechanisms are functional.

The sleeve allows the strap to slide and adheres to the tire; its rubber has not hardened with age.

In terms of dimensions, the hook opening must be at least 28 mm (see Fig. 2), and if the hook is formed from a single strand, its diameter must not be less than 13 mm (for light vehicle transportation) and 15 mm (for heavy vehicle transportation) (see Fig. 2)..

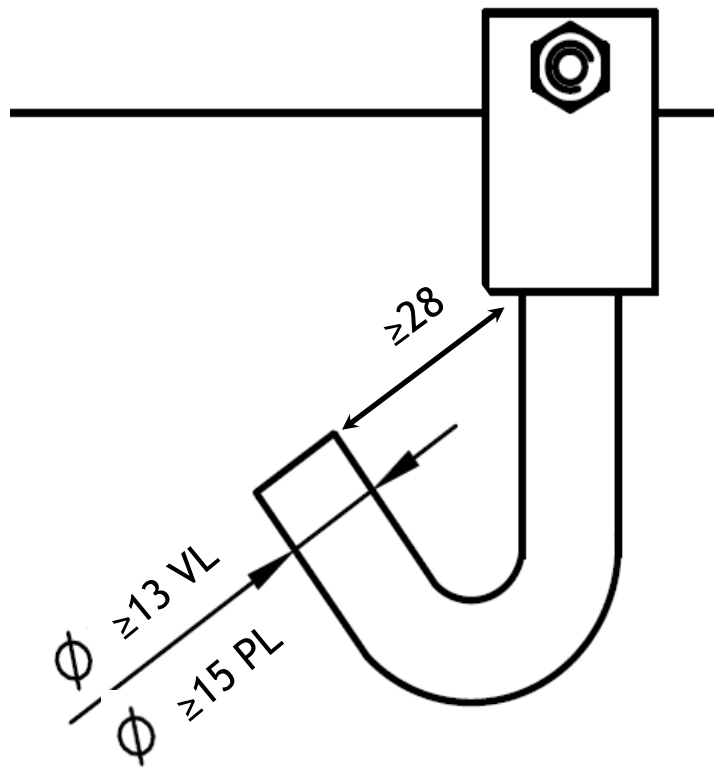


Fig 2 Single finger hook - required dimensions

3 Wheel strapping platforms

In the wheel support areas, visually inspect that the decking is not deformed (Fig. 4). The embossments on the platforms are present and not crushed (Fig. 4).

If a surface has no embossments, or if two successive rows of two embossments do not have a minimum height of 3 mm (see Fig. 3), the surface must be repaired. If repair is not possible, it must be marked with red paint and no longer used to support a strapped wheel (see Fig. 4)

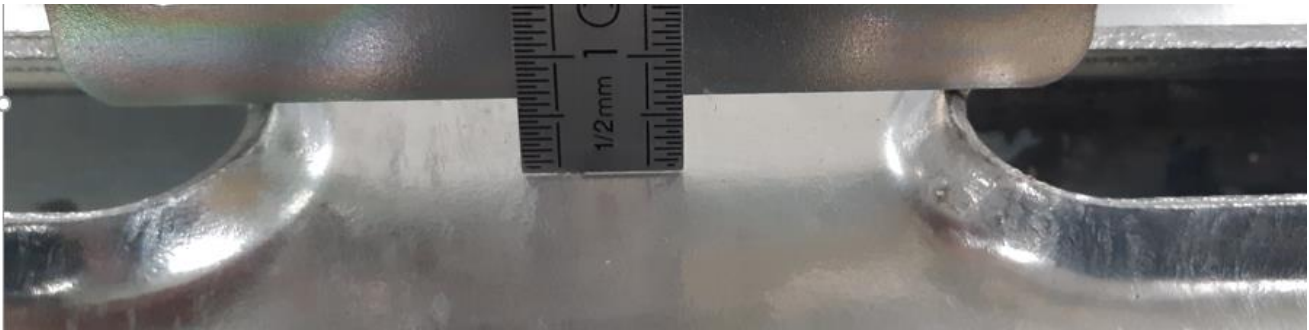


Fig. 3. Embossment height control

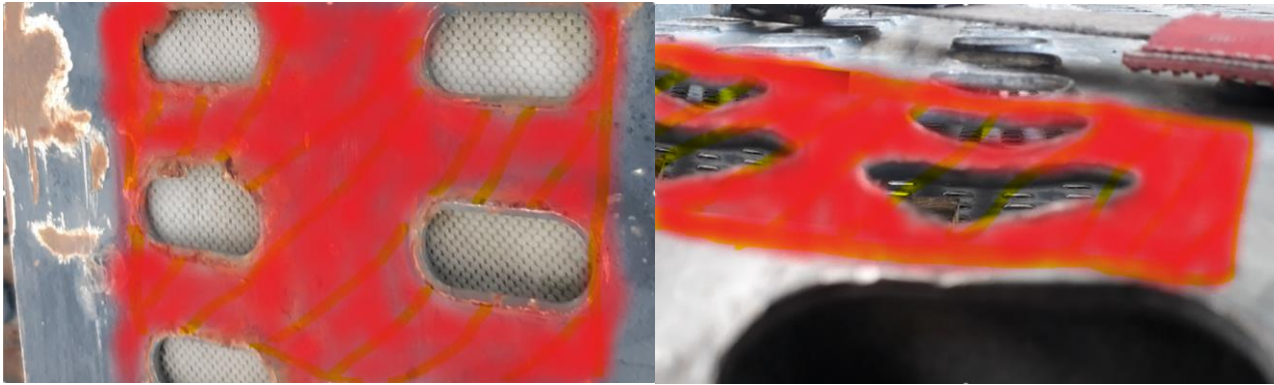


Fig. 4. Areas not approved for supporting a strapped wheel

4 Attachment Point Integrity

The attachment points for straps and wheel chocks used for securing transported vehicles are not damaged.

Hook passage holes exhibiting cracks through the metal thickness must not be used (see Fig. 5).

These holes require repair. If repair is not possible, the peripheral surface must be marked with red spray paint to identify the area as prohibited for attachment.



Fig 5. Cracked Hook Passage Holes Prohibited for Securing

Similarly, a hook retaining sheet metal strand with a reduced cross-section of a width less than 22 mm (see Fig. 6) can no longer be used by a hook and must be repaired or marked with red spray paint.

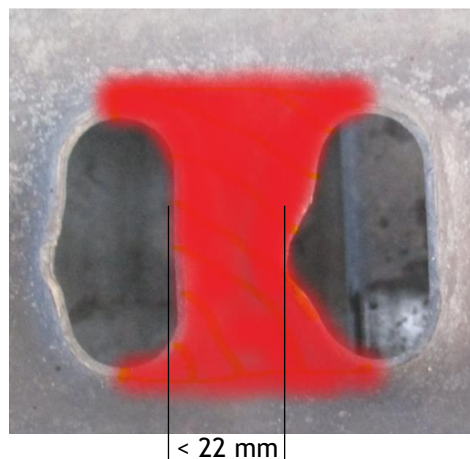


Fig 6. Non approved Hook Retaining Strand.

5 Structures and Hydraulic Functions

Structures must be intact. No pronounced oxidation (perforating rust).

No notches traversing the decking of the platforms (see Fig. 7).



Figure 7 : perforating rust

No structure exhibiting a bending deformation exceeding 15 mm.

Visual inspection of lifting and stacking systems (screws, cylinders, joints, pins, pads (K23,...), connecting rods (K26), etc.)

Functional testing of all hydraulic functions throughout their entire range of motion.

6 Chocks

The chocks related to the loading platforms of the LOHR vehicle transporter must comply with the requirements of VDI 2700-8.1:2024 or VDI 2700-8-2:2024. LOHR chocks are compliant.

The chocks must be functional:

No bending deformation of the tire support surface exceeding 5 mm (see Fig. 8.1)

No planarity defect of the chock support surface exceeding 5 mm (see Fig. 8.2)

No breakage, no cracks

No perforating rust.

The locking with retaining spring must be functional.

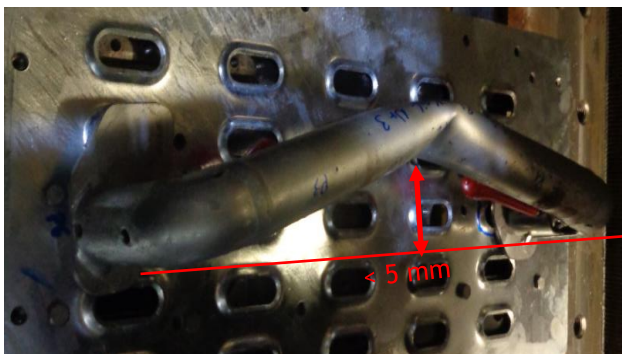


Fig. 8.1 Bending deformation of the tire support surface

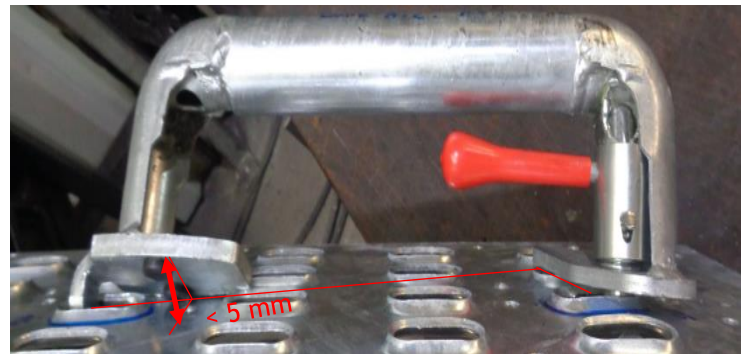


Fig. 8.2 Planarity defect

Annual inspection report according to VDI 2700-8

Truck chassis number::

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Registration number: _____ Date of first registration : ____/____/____

Trailer chassis number:

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Registration number: _____ Date of first registration: ____/____/____

		Observations
Lashing device comply with VDI 2700-8.1(-8.2):2024 requirements The label is readable The webbings and the controller are in good condition	OK ☐ OK ☐ OK ☐	Number of inspected lashing devices : ____ Number of non-approved lashing devices : ____
The decking is not deformed. Height of the embossed features is compliant	OK ☐ OK ☐	Number of areas not approved for supporting a strapped wheel: ____
Attachment points for straps and chocks are intact.	OK ☐	Number of non-approved attachment points : ____
The structures are intact. The structures are not deformed. The hydraulic functions are functional.	OK ☐ OK ☐ OK ☐	
VDI-qualified chocks in relation to the platforms. The chocks are intact. The locking mechanism of the chocks is functional.	OK ☐ OK ☐ OK ☐	Number of inspected choks : ____ Number of non-approved chocks : ____

Name of the inspector : _____	The inspector declares to be competent. Inspector's signature: _____
Company: _____	Date: _____ Location: _____