Für Modellreihen
for Series
pour les séries

RO*820 A 30

Nicht selbsttätige Kupplung (Piton-Fix)
Non-automatic coupling (Piton-Fix)
Attelage verrouillage manuel (Piton-Fix)
Official note:

When installing the piton, for the type inspection of the vehicles pursuant to § 20 StVZO (Regulations authorising the use of vehicles for road traffic), the individual inspection pursuant to § 21 StVZO or the assessment pursuant to § 19 StVZO, an inspection must be carried out by an officially approved expert or inspector for road traffic, a vehicle expert or by an official in accordance with Section 4 of the annex VIII b to the StVZO.

We reserve the right to make technical alterations.
1. Installation

The Piton-Fix is supplied in a ready-to-use condition.

- Observe the respective national regulations.
- Remove the anti-slip lock (D).
- Remove linchpin (G) and bolt (B).
- Insert the Piton-Fix in the guide rails of the coupling holder.

**Attention:** Keep a firm grip on the Piton-Fix! **Risk of accident!**

- Arrest the Piton-Fix at the desired height with the bolts (B) on the left and right.
- Secure the bolts (B) with linchpin (G) on the left and right.

**Attention:** The guide (F) of the Piton-Fix must not project beyond the guide rails of the coupling holder.

Observe the instructions of the tractor manufacturer for the permissible vertical load (generally 2 t).
2. Operation

For hitching and unhitching the legal stipulations must be observed.

2.1 Hitching

No personnel may be standing between the vehicles!

- Remove the linchpins (K) on the left and right (see Fig. 3).
- Slide out the locking bolt (V) (see Fig. 3).
- Swivel the latch (N) upwards.
- Set the drawbar eye at the height of the hitching point.
- Place the drawbar eye over the spigot (Z) and lower it using a suitable device.
- Lower the latch (N).
- Slide the locking bolt (V) into the holding eyes.
- Secure with the linchpins (K) on the left and right.

Check:
The locking bolt must be secured by the linchpin.
Caution, risk of accident!
2.2 Unhitching

- Secure the trailer against rolling away.
- Remove linchpin (K).
- Pull out the locking bolt (V).
- Swivel the latch (N) upwards.
- Lift the drawbar eye from the spigot (Z) using a suitable device.
- Move the tractor vehicle forwards.
- **Lower** the latch (N).
- Replace the locking bolt (V) and secure with the linchpin (K).
3. Maintenance

To reduce the wear and tear on the Piton-Fix and the towing equipment, lubricate the contact surfaces with multipurpose grease at regular intervals depending on the deployment conditions and after cleaning with high-pressure washers.

- Permitted wear of the piton (Piton-Fix, nominal dimension $44.5 \pm 2$) to a minimum of 41 mm.

Repairs may only be carried out by a qualified workshop!
Fig. 6

For values see table on page 17
4. Technical Data

- Piton-Fix with manual lock
- for use in coupling holders

- Piton Ø 44,5 mm
- Weight 22,8 kg

<table>
<thead>
<tr>
<th>RO</th>
<th>Track width (Sw) (mm)</th>
<th>S (t)</th>
<th>D (kN)</th>
<th>ABG</th>
<th>M</th>
<th>EC</th>
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<td>3</td>
<td>89,3</td>
<td>9896</td>
<td>0399</td>
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Drawbar eyes

RO 820 A

Fig. 7

Drawbar eyes

<table>
<thead>
<tr>
<th>DIN/ISO</th>
<th>a (mm)</th>
<th>b (mm)</th>
<th>c (mm)</th>
<th>Swivel angle</th>
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<td>9678/5692-1</td>
<td>110–120</td>
<td>50</td>
<td>30</td>
<td>min. 60° min. 20°</td>
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</table>
Installation on the right 70L052
Installation on the left 70L053
Installation on both sides 74L026

Fig. 8