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INSTRUCTIONS TO REPAIR EXPANDING SHAFTS WITH KEYS

First check whether the air leak occurs in the valve or in the air chamber.

Should it occur in the air chamber proceed as follows:

- Secure the keys using the metal thread or rivets to prevent them from falling into the tube.
- There are transverse hollows in the keys for this very purpose.
- Loosen the screws (Ref. 1) and pull the pins (Ref. 2) out of the tube; the valve (Ref. 3) must also be removed if it is placed in the middle bearing section.
- Extract also the closures (Ref. 6) the internal tube and the air chamber from the tube (Ref. 5)
- Unscrew the bolts (Ref. 4) from the closure and take the cap (Ref. 7) apart.
- Remove the defective air chamber
- Insert the new air chamber; refasten the cap using the bolts
- Check the O-rings to ensure that they are not damaged
- Reintroduce the closure with internal tube and the air chamber into the pins, if necessary grease the O-ring
- Refasten the pins with the bearing tube using the screws
- Insert the valve
- Inflate (6 bar) the expanding shaft and remove the rivets from the keys

Further maintenance is not particularly necessary, we suggest to keep one length of the air chamber and one valve in stock.

Expanding shafts with keys

- 1) valve
- 2) o-rings
- 3) air bolt
- 4) keys
- 5) bearing tube
- 6) journal
- 7) gasket
- 8) screws
- 9) caps
- 10) closure
- 11) air chamber
- 12) tube

