

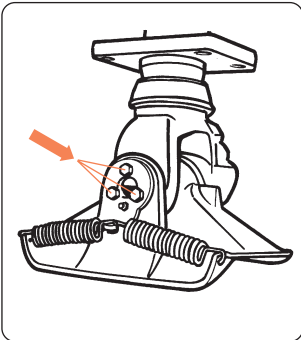
Initial tension of rubber buffers

- Axial torque of coupling when new: min. 100 Nm
- It must not be possible to turn coupling head by hand except by force

3.3 Setting jaw

The jaw must be automatically locked in its central position for hitching (coupling pin up). If not, the central position must be corrected as follows:

- Open coupling (hand lever to 1st notch)



- Loosen screws in lower section (see figure)
- Push jaw to left/right until release lever engages
- Tighten screws (tightening torque approx. 49 Nm)
- Push hand lever to 2nd notch for hitching

Check

- Close coupling (hand lever down)
- Push jaw slightly to left or right
- Open coupling (hand lever to 2nd notch)
- Release jaw: release lever must lock jaw in central position again

Fully Automatic Trailer Coupling

Type 260

DIN 74 051 in conjunction with
a drawbar eye to DIN 74 054

Type-tested

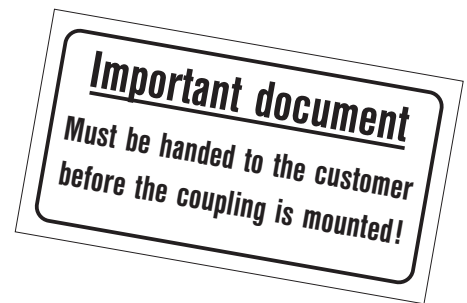
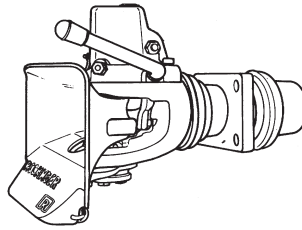
Approved design:

Type 260 G 135: M 4037

Type 260 G 145: M 4038

Type 260 G 150: M 4039

As at 0896



MOUNTING · OPERATION · MAINTENANCE

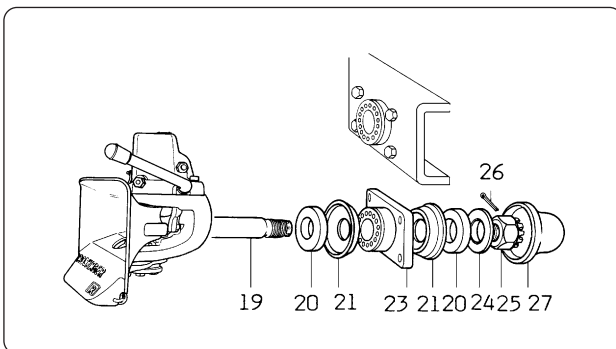
1. Mounting

NOTE:

When mounting, servicing or repairing the coupling, any local legal regulations – together with the technical instructions issued by both ROCKINGER and the vehicle manufacturer – must be observed.

1.1 Before mounting

- Unscrew castle nut (25)
- Withdraw attachment bearing (23) with buffer parts behind (21, 20, 24). Split pin (26) and sealing cap (27) are packed separately. Drawbar (19) and its thread are treated with a special grease which must not be removed.



1.2 Fitting

- Mount attachment bearing with taper adapters (23) on inner side of crosshead (using grade 8.8 hexagon head cap screws and self-locking nuts or castle nuts with split pins of same grade).
Size of bolts and nuts according to coupling size (see table).

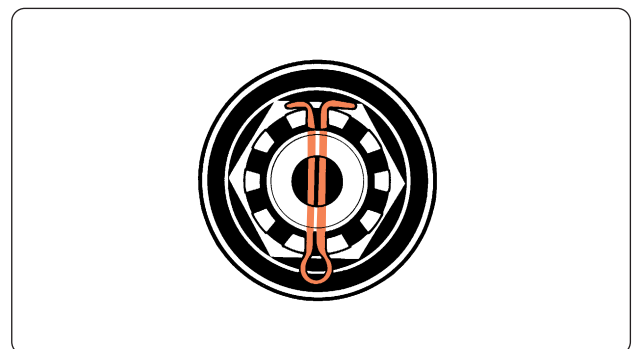
NOTE:

Bolt heads must be on coupling head side (outer side of crossbar)!

Bolt tightening torques at attachment bearing

Coupling size	Bolt size	Tightening torque (Nm)	ROCKINGER bolt set Order no.
135	M 14	135	58094
145	M 16	210	58096
150	M 20	410	58097

- Insert drawbar (19) with parts 20 and 21 into bearing (23)
- Fit rear protective buffer cap (21), rubber buffer (20), washer (24) and castle nut (25) as in figure at left (washer with flat face towards rubber)
- Thread castle nut
**(Tightening torque for size 135: 350 Nm
For sizes 145 and 150: 500 Nm)**
- Insert split pin (26) and bend as specified. If it is not possible to insert split pin, **continue to tighten** castle nut until next overlap of split pin bore is reached. **Minimum tightening torque must be observed! Under no circumstances may castle nut be loosened.**
- Fit sealing cap to ensure resistance to atmospheric corrosion.



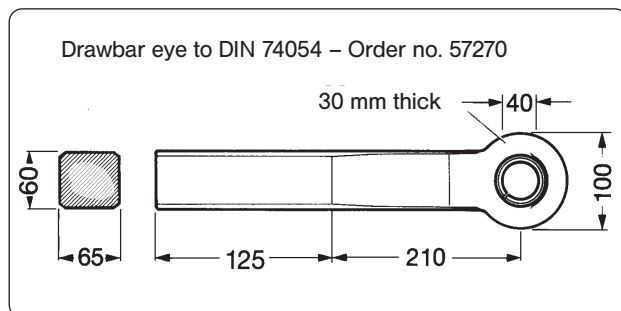
Before painting, close coupling; coupling pin must be covered or greased!

2. Operation

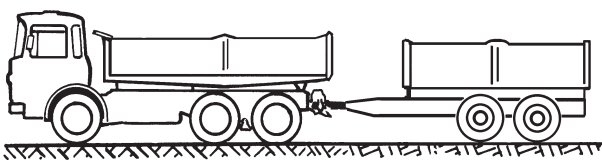
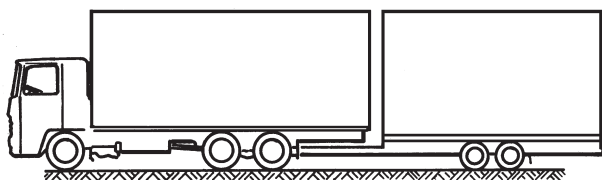
2.1 Hitching

Note:

Regulations stipulated by employers' liability insurance association must be observed when hitching and unhitching.



- Fit trailer with \varnothing 40 drawbar eye to DIN 74054 with bush
- Push hand lever to 2nd notch
- Check whether jaw is fixed (see § 3.3)
- Reverse prime mover
Front axle of trailer must not be braked when hitching

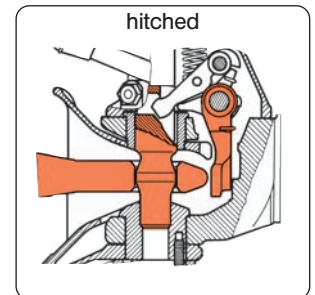
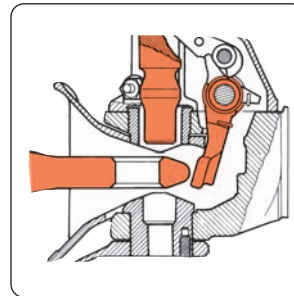


Drawbar truck and dumper truck (center axle trailer)

Note:

When hitching a center axle trailer (see figure) please note following:

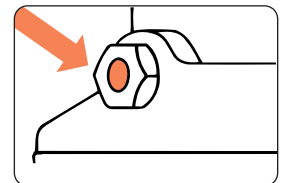
- Slowly reverse prime mover
- Drawbar eye must be level with center or lower element of jaw. If not, jaw, drawbar eye and support unit may be damaged.



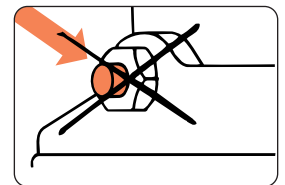
Check

After every hitching operation it is **essential** to check that the coupling is engaged as required by regulations (see also above).

The check pin must be flush with its guide bush after hitching.



If the check pin protrudes from its guide bush, this indicates that hitching has not been carried out correctly, and that you are at **RISK OF AN ACCIDENT.**



2.2 Closing coupling manually

- Pull hand lever down

2.3 Unhitching

- Actuate hand lever to stop (1st notch)
- Move prime mover forwards

Note:

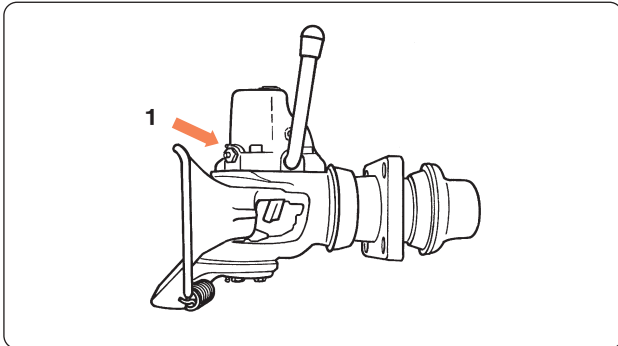
- When the drawbar eye withdraws from the coupling, the jaw is automatically locked by the release lever.
- When driving without a trailer, keep the coupling closed to protect the lower bush against the ingress of dirt.

3. Maintenance

3.1 Care

The normal operational wear and tear of moving parts can be **reduced considerably** by appropriate care and by regular lubrication of the coupling with multi-purpose grease.

Lubricate via a lubrication nipple (1) on the automatic coupling unit (see figure). Connection to the centralized lubrication system (NLGI class 0-00) is possible.



SPECIAL NOTE:

- Only lubricate coupling when open (coupling pin in up position) to prevent excessive lubrication of automatic coupling unit; then activate automatic coupling unit several times (see § 2.2/2.3)
- It is essential to relubricate coupling after washing with highpressure spray!

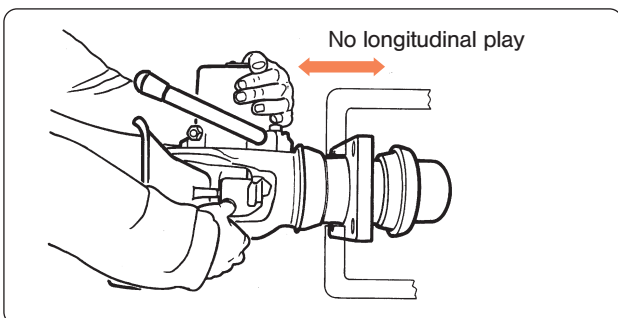
3.2 Inspection

For safety reasons the condition of the coupling must be inspected regularly as follows:

Longitudinal play in bearing

- Grip coupling head (not jaw funnel) with both hands and move in longitudinal direction (see figure):

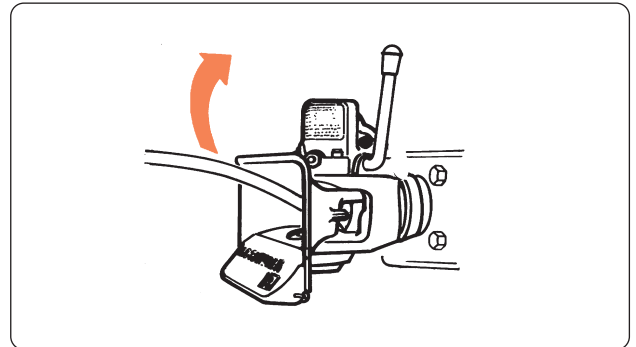
No longitudinal play is allowed



Vertical play in bearing

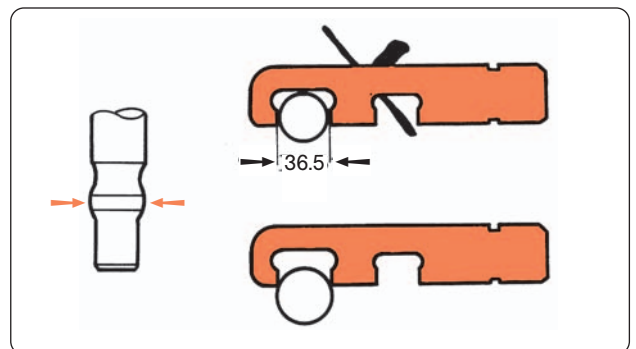
- Open coupling (hand lever to 1st notch)
- Insert curved steel bar (see figure) such that top of bar is flush against jaw and bottom rests on BODY of coupling (not on lower bush)

- Push bar upwards and observe coupling movement (see figure). If wearinduced play is greater than 1 mm, coupling must be dismantled and bearing must be inspected.

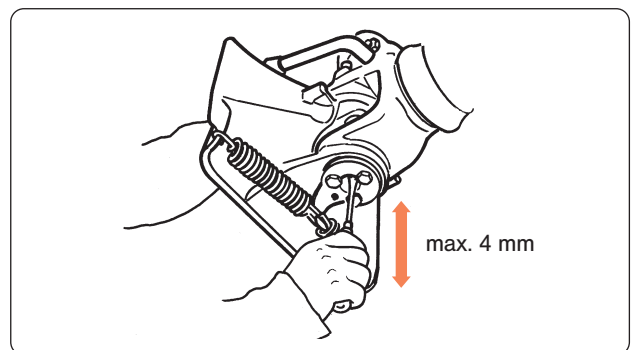


Coupling pin

- Check wear using ROCKINGER reference gauge (order no. 57026)



- Coupling pin may be used until crowned section has worn to less than 36.5 mm, after which it must be replaced.



- Check vertical play (see figure): maximum vertical play is **4 mm**

Lower bush

- Check wear using ROCKINGER reference gauge (order no. 57290) Max. admissible internal diameter 31.2 mm