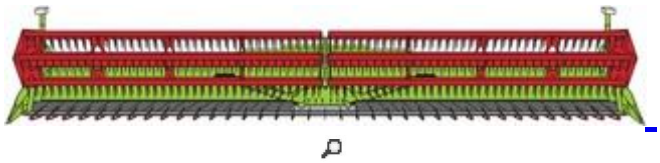


MAXFLO 1200

MAXFLO 1050

Repair manual

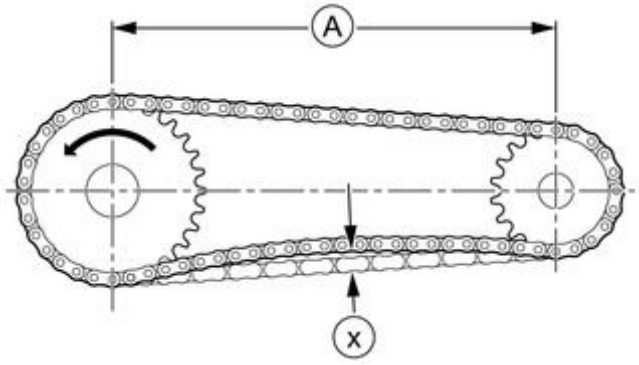
Validity of manual

This manual applies to the following machine / front attachment:

Designation	Type	Serial number	
		From	To
MAXFLO 1200 - 1050	537	53700011	–
MAXFLO 1200 - 1050	538	53800011	–

Steel roller chains

Tensioning



Checking the tension of steel roller chains:

- ► Apply a small load to the tight span.
- ► Push down the slack span in the middle between the sprockets with your thumb.

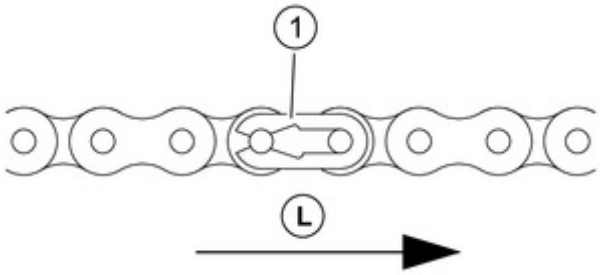
You should be able to push down the slack span around 2 % of the spacing between the axles.

Example:

Axle spacing (A) = **500 mm**

Pushing distance (x) of slack span = approx. **10 mm**

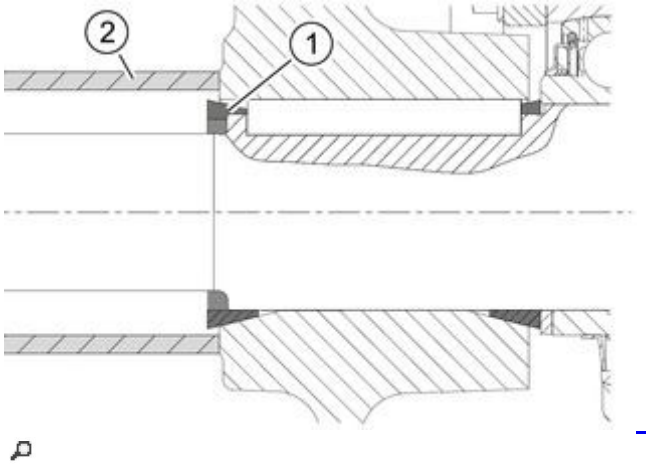
Chain connector



- ► The closed side of chain connector (1) must point in running direction (L)!

Taper ring fasteners

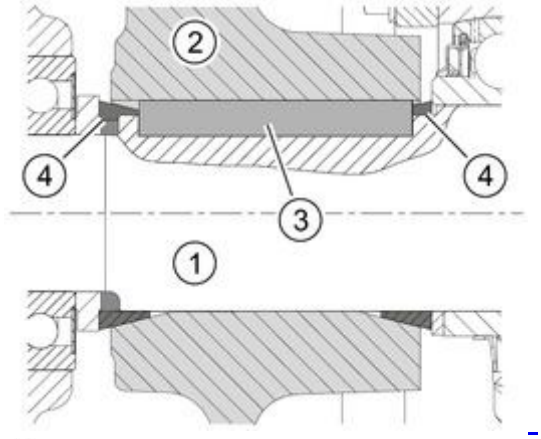
Dismounting

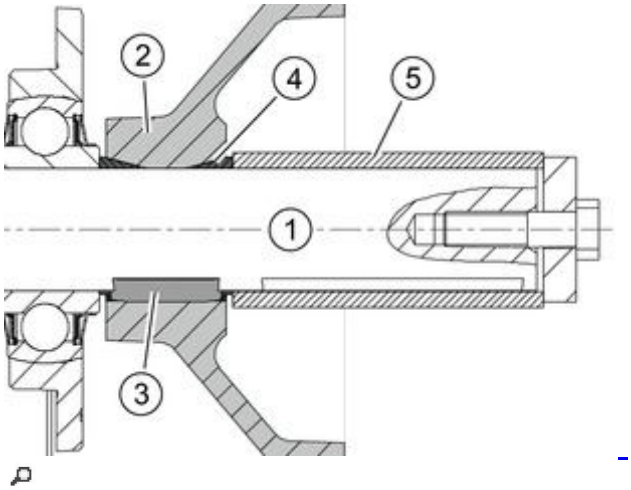


► Slacken off tapered ring (1) with a blow.

► Use an auxiliary tool (2) if required.

Installation





CAUTION

Sticking together at the taper ring fasteners.

The joint cannot be loosened or comes off only with difficulty.

► Do not install parts with tough grease.

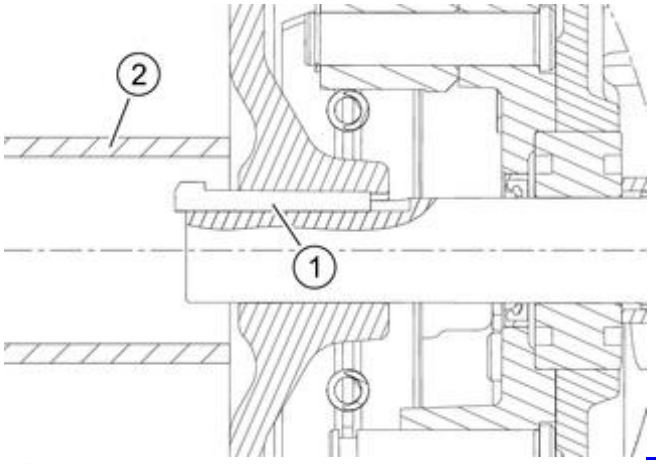
► Clean shaft (1), hub (2), parallel key (3) and tapered rings (4) thoroughly and apply some CLAAS AGRIGREASE LC 00 / 000.

► Tighten to the specified torque.

► In case of several taper ring fasteners fitted behind one another, tighten those separately. Use an auxiliary tool (5) if required.

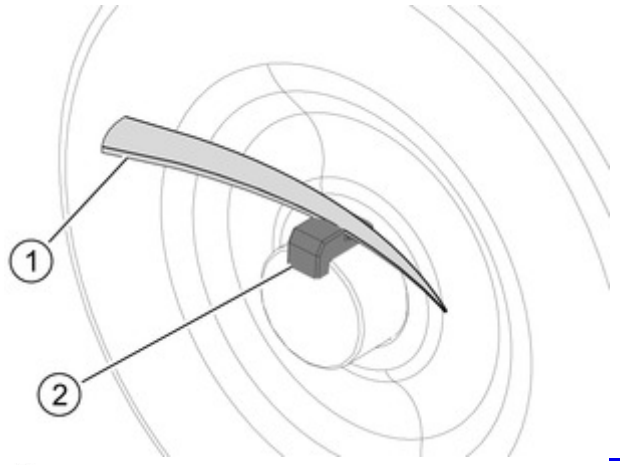
Gib head key joints

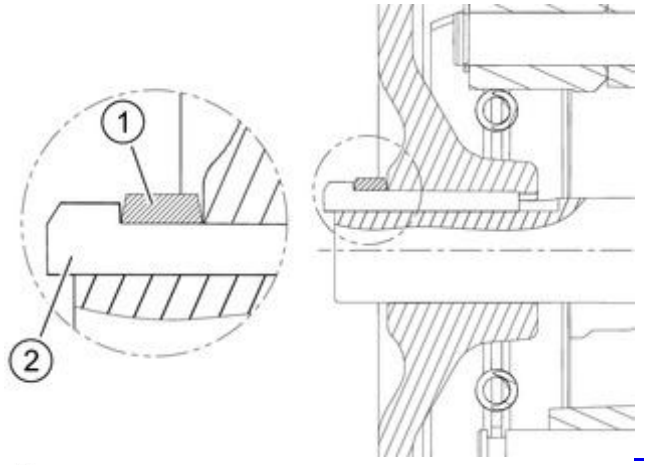
Dismounting



► Slacken off gib head key (1) with a blow if possible.

► Use an auxiliary tool (2) if required.



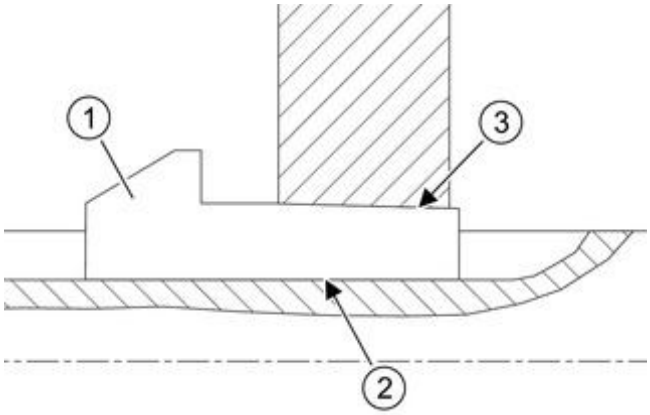


► Drive out the gib head key (2) with a key drawer (1).

► Ensure that the key drawer is used as shown in the figure.

Installation

The gib head key (1) comes in raw condition as a spare part and must be machined to suit the application by milling or grinding.



CAUTION

Excessive force employed when installing the gib head key.

Damage to the gib head key joint.

The gib head key cannot be removed any more.

► Drive in the gib head key carefully with a suitable and not too heavy hammer.

► Grind the gib head key (1) to suit the application at surface (2).

  ► Surface (3) must **not** be machined.

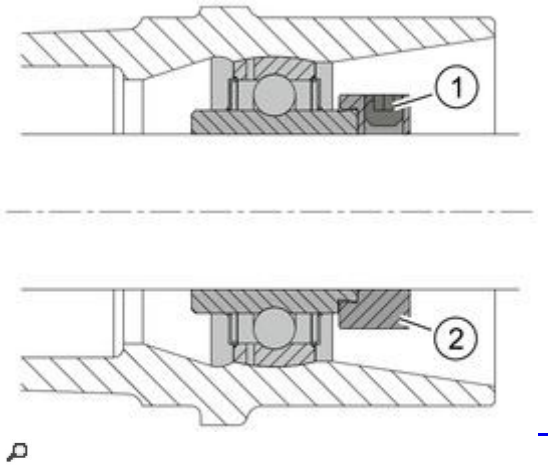
► Clean shaft, hub and keyway to be free of grease, paint and rust prior to assembly.

► Drive in the gib head key (1).

  ► Ensure that the gib head key is driven in only so far that it can still be removed without problems, using a key extractor.

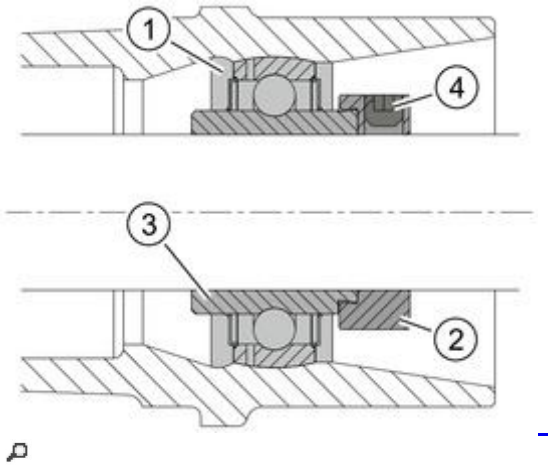
Lock collar bearing

Dismounting



- ► Slacken off set screw (1).
- ► Drive off eccentric ring (2) against the shaft's sense of rotation.
- ► Remove bearing.

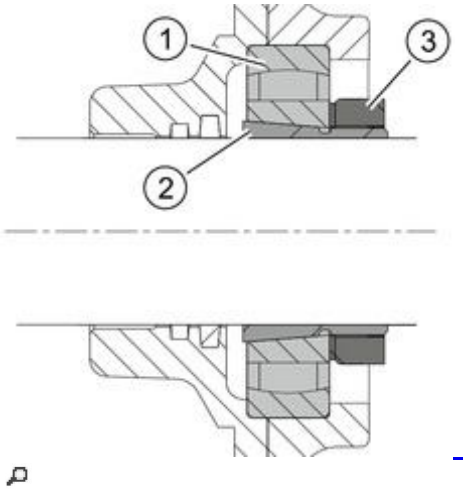
Installation



- ► Tighten lock collar bearing (1) on the shaft by twisting eccentric ring (2) over the inner bearing race (3).
  - ► Arrest the eccentric ring with moderate force in the sense of rotation of the shaft.
  - ► To make dismounting easier, the inner race and the shaft can be coated with CLAAS AGRIGREASE LC 00 / 000.
- ► Tighten set screw (4).

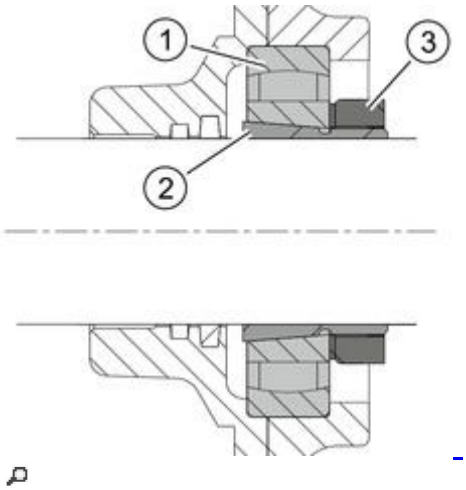
Adapter sleeve bearings

Dismounting



- ► Loosen the tab of sleeve nut (3).
- ► Slacken off sleeve nut by some turns only.
  - ► Ensure that the thread is still completely engaged.
- ► Slacken off expansion pin (2) with a firm blow.
- ► Pull off adapter sleeve bearing (1) completely.

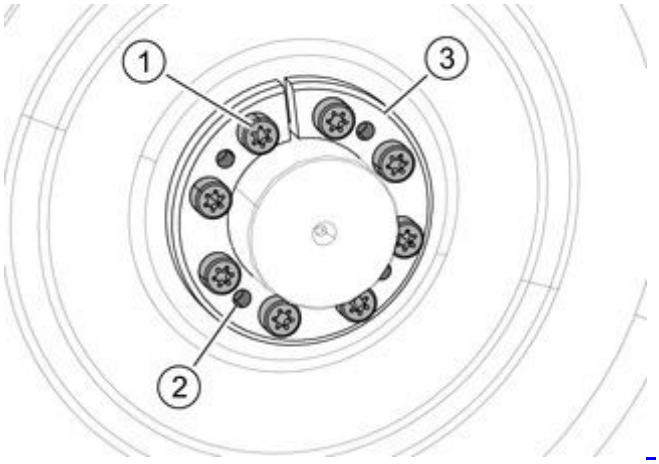
Installation



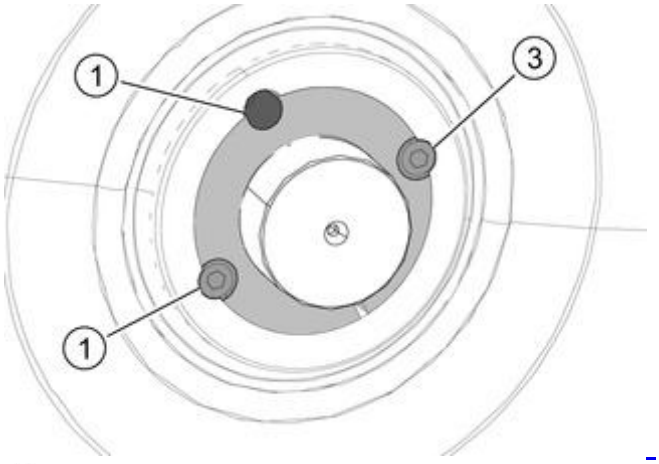
- ► Clean expansion pin (2) and shaft and check easy movement of the sleeve nut (3).
- ► Install adapter sleeve bearing (1) according to the conical inside ring (2).
- ► Tighten the sleeve nut with the suitable special tool and to the prescribed torque.
- ► Continue tightening the sleeve nut to the specified degrees.
- ► Tighten sleeve nut until the nearest tab can be applied.
- ► Secure sleeve nut with the tab.

Chuck bushing

Dismounting



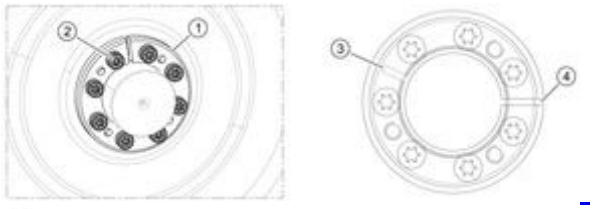
Version 1



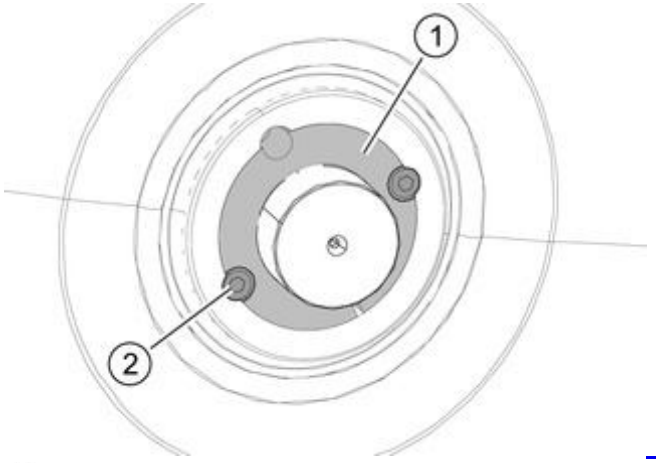
Version 2

- ► Unscrew bolts (1).
- ► Screw in bolts (1), or possibly longer bolts at (2).
  - ► Screw in bolts until the chuck bushing (3) comes loose.
  - ► Apply a little oil to bushing if necessary.
- ► Remove the chuck bushing if required.

Installation



Version 1



Version 2

- ► Clean chuck bushing (1) and shaft thoroughly.
- ► Insert chuck bushing.
  - ► If necessary, ensure that slots (3) and (4) are **not** above one another.
- ► Tighten bolts (2) evenly crosswise in **three** steps.
  - ► Observe the specified torques of the respective steps.

Circlips

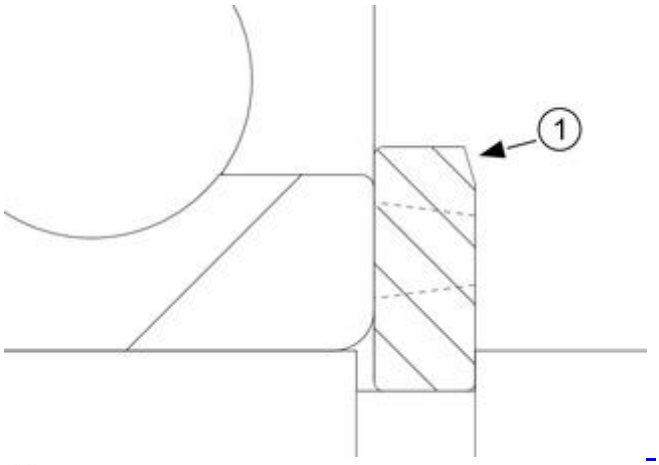
CAUTION

Overspreading the circlip.

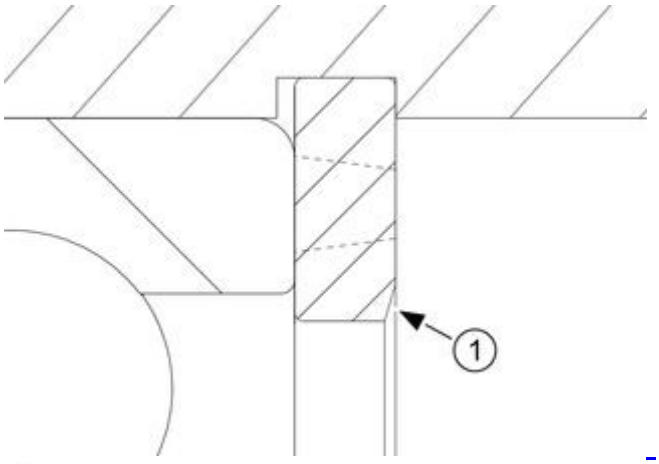
Plastic material deformation.

No safe fixing of component.

- ► Spread circlip only as far as needed for installation and dismounting.
- ► Do not use any circlip already overspread before.



Circlip DIN 471

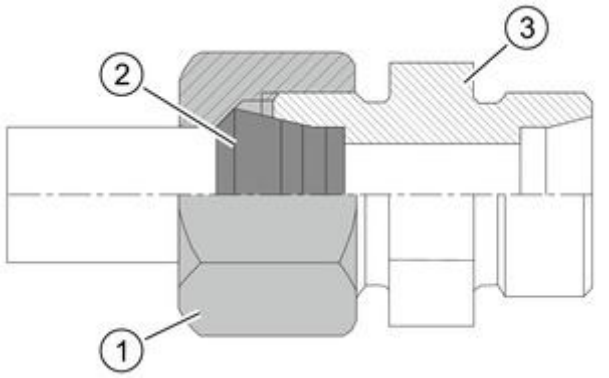


Circlip DIN 472

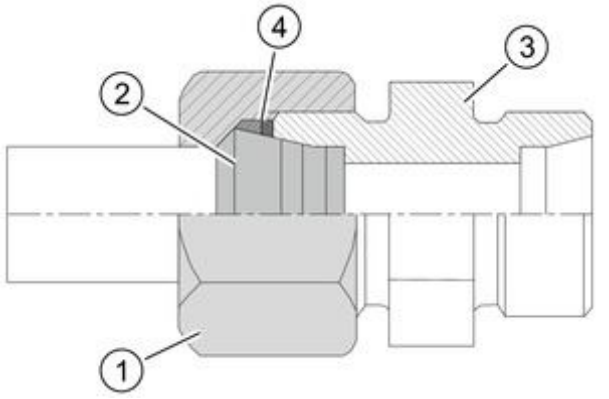
- ► Insert circlips as shown in the figures.
  - ► Ensure that chamfer (1) does **not** make contact with the component to be secured.
  - ► If required, make circlip engage with a slight blow.

Ferrule fittings

Screwing in



Ferrule without seal



Ferrule with seal

► Cut off the tube in question at right angles.

► Do not use a pipe cutter!

In the case of pipe bends, the straight pipe end up to where the bending radius starts must be at least twice the height of the union nut.

► Slightly deburr the pipe end on the inside and outside.

► Do not chamfer the pipe end!

► Clean the pipe end.

► Slide union nut (1) and ferrule (2) over the pipe.

► Push the pipe against the stop in the connector (3) and tighten the union nut until the ferrule seizes the pipe.
This point can be felt because increased power is needed from here.
The pipe must not rotate concurrently with the other components.

► Tighten the union nut half a turn beyond the point where the first resistance is felt.

► Check the cut at the cutting edge.
A visible collar must fill the space ahead of the ferrule face end.
The ferrule may rotate but axial displacement must not be possible.

► Insert the pre-assembled pipe into the well-oiled threaded joint.

► Tighten the union nut until the power needed to do this clearly increases.

► After that, continue tightening for half a turn beyond that point.

► Observe the tightening torques!
Tightening torques for hydraulic screw fittings with ferrule DIN 3861

Ferrule fitting leaks

► If a fitting leaks, slacken off the union nut until a little oil escapes.

- ► Now tighten as specified.
- ► Replace seal (4) if necessary.

Our support email:

ebooklibonline@outlook.com