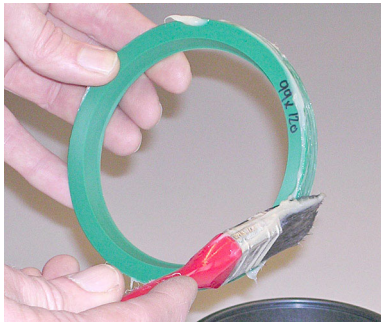


Special instructions on mounting and replacing PUR lip seals

The green PUR seals in combination with the rudder system are designed to prevent any water from entering the boat, but this is not a 100% guarantee. Only when following points are carefully followed, the seals will be functioning properly.

- Make sure the shaft is clean, smooth and round. Deep scratches will prevent a proper sealing.
- The seal should not be underneath the central waterline when the boat is in rest.
- The rudder shaft should be free of obstacles like keys before entering the bearing with lip seals and should be slowly pushed upwards while rotating.

Before you mount the new lip seals, please clean all parts thoroughly.



Use a small brush to smear some synthetic grease (we use Castrol Synplex 2, but any winch grease will do the job) on the outside of the seal. You can find the grease in the small plastic bag supplied with the seals.



Mount the seal in the housing. This should go quite stiff as the seal should be 0.5 mm bigger than the hole in the bearing. Repeat the same for the second seal.



Mount the second seal and fit the delrin clip. This clip will prevent the lip seal from climbing upwards.



Before you enter the rudder stock, smear some grease on the lips. Don't use too much grease as it shouldn't enter the roller section of the bearing.



Please note that it is important to visibly check the proper functioning of the lip seals at least once per year, preferably under high pressure conditions like motoring full throttle.

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Extended information on Jefa Rudder & Steering systems can be found on our website www.jefa.com