





Fitting Guide for Lionsele® U1 — hydraulic seal for rods/glands & pistons

i This seal operates with slight axial float. It must not be axially compressed.

1  For Health & Safety reasons, shut down the hydraulic system before installing your new seal. Shut off power

2  Check the seal and housing. Ensure that seal is the correct size and housing is suitable for the seal. Check sizes of seal & housing

3  Remove old seal, then thoroughly clean the housing. Remove old seal. Clean the housing

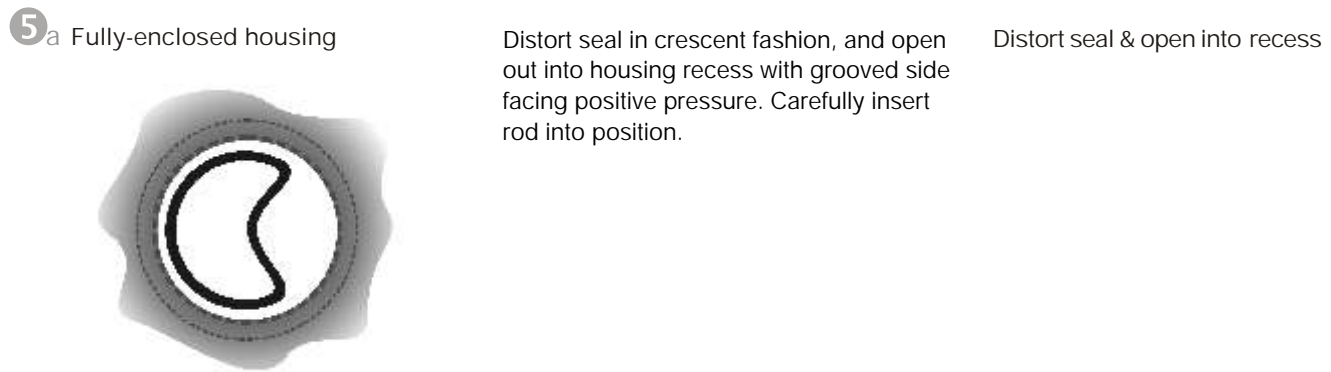
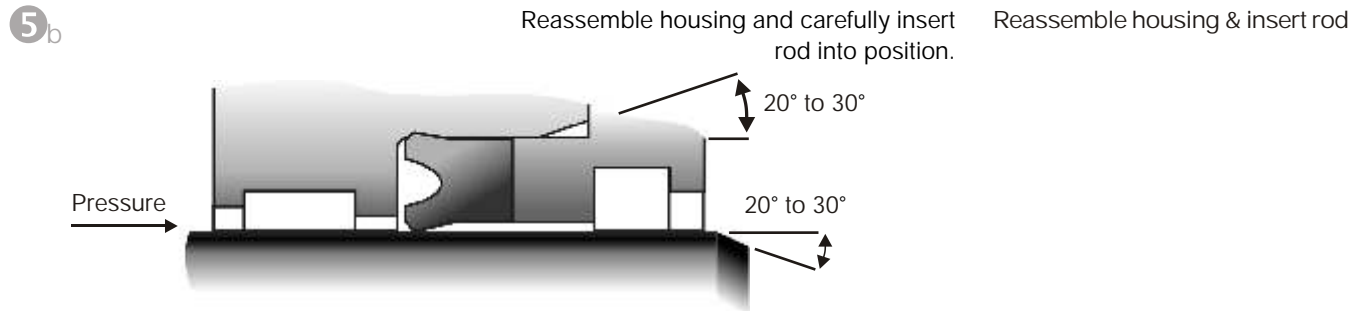
4  Lightly lubricate the seal and the housing with the hydraulic fluid prior to assembly. Lightly lubricate seal & housing

Rod/gland applications

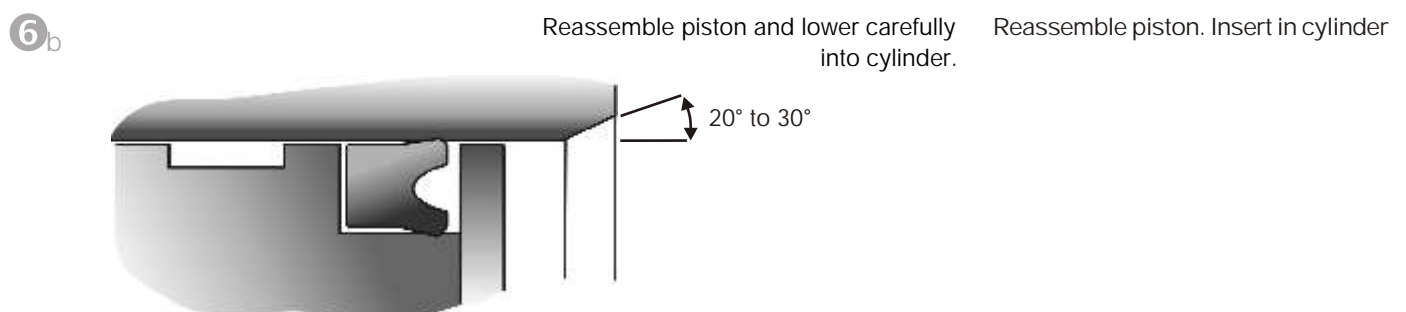
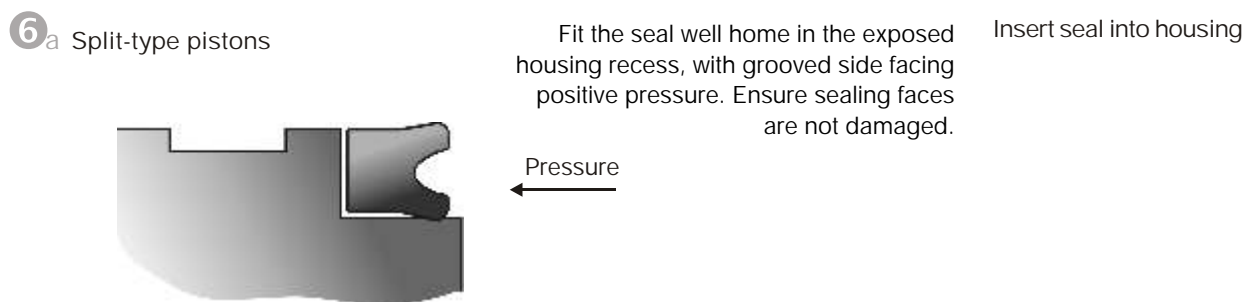
5a Multi-component housing Fit the seal well home in the exposed housing recess, with grooved side facing positive pressure. Ensure sealing faces are not damaged. Insert seal into housing



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Piston Applications



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6_a Semi-open pistons only

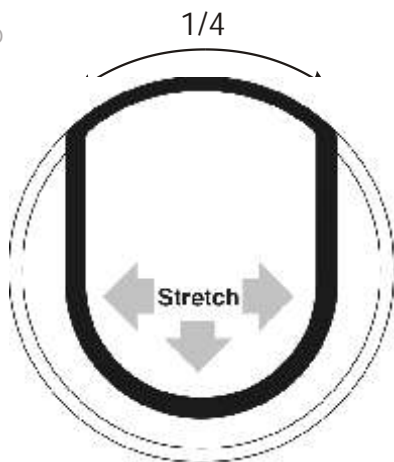
ⓘ This seal cannot be stretch fitted into a fully-enclosed recess.



Heat seal to 60°C in oil bath or dry oven
— take care not to over-heat the seal.

Heat seal to 60°C maximum

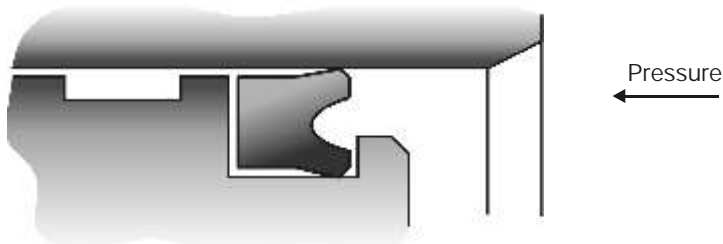
6_b



Insert one-quarter of seal circumference
firmly into semi-open housing recess with
grooved side facing positive pressure.

Insert 1/4 of seal into recess

6_c



Stretch remainder of seal into position
and ensure it is firmly seated in housing
recess for full circumference. Lower
piston carefully into cylinder.

Stretch 3/4 of seal into recess. Insert
piston in cylinder

Material Safety Data Sheets are available on request

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