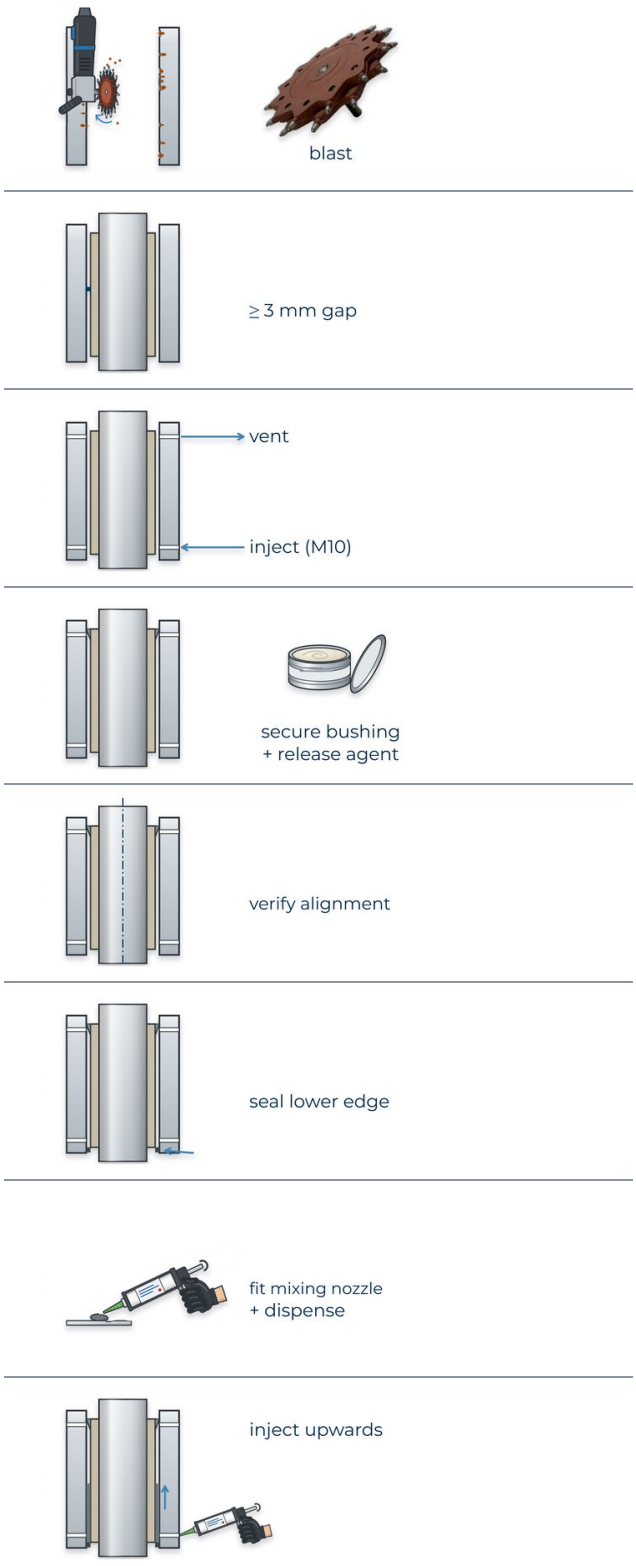
Rudder stock bushing - Cast to fit



Installation of a new or replacement rudder stock bushing using the SepcoTech Cast-to-Fit method. All mechanical work follows normal mechanical procedures and vessel requirements.

1. Surface preparation acc. to SepcoTech standards. Surfaces must be clean, sound and roughened - blasting is preferred.

2. Ensure a continuous casting gap of min. approx. 3 mm between bushing and rudder trunk.

3. Make injection points at the bottom (e.g. M10) and venting points at the top.

4. Position, align and secure the bushing. Apply Release Agent to any temporary bolts or fixtures.

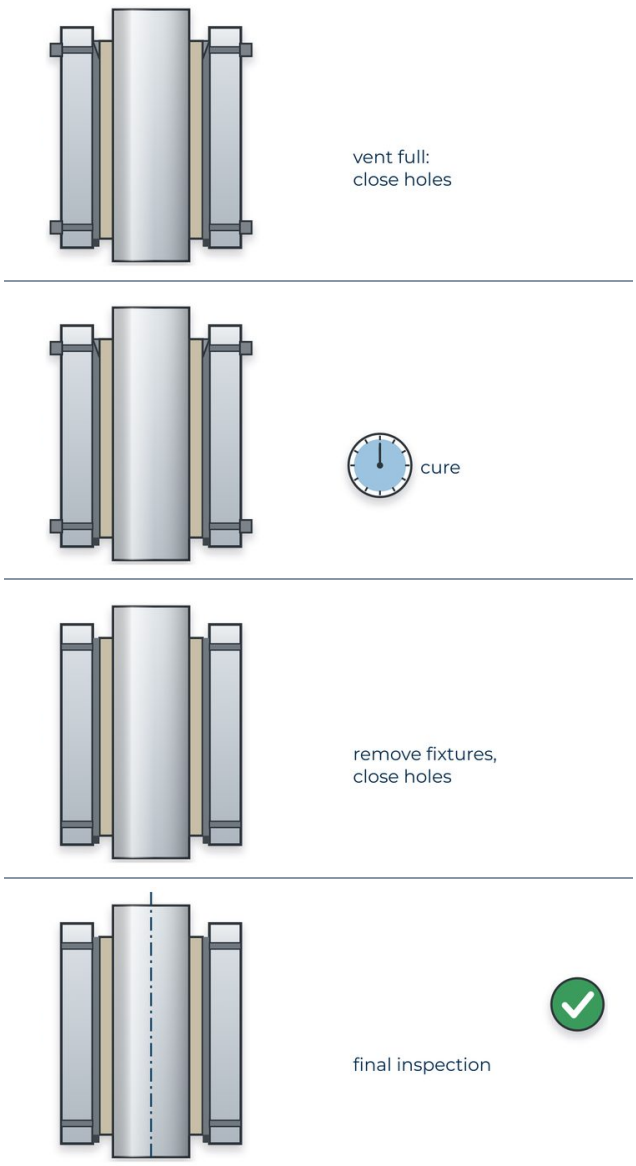
5. Verify alignment before casting - the casting material does not correct alignment.

6. Seal the lower edge between bushing and rudder trunk.

7. Fit the static mixing nozzle to the cartridge and dispense a little material until evenly mixed.

8. Inject slowly from the lowest point and work upwards, one injection point at a time. Avoid excessive pressure.

Includes AI generated images



9. Stop when material appears at the top venting points, then close the holes with threaded bolts.

10. Allow full curing - do not disturb or load the bushing.

11. Remove temporary bolts, fixtures and excess material. Close all holes with SepcoTech repair material.

12. Final inspection of alignment, tolerances, clearances and complete filling.

Note: The Cast-to-Fit method does not replace normal mechanical installation and alignment. SepcoTech pre-filled cartridges with static mixing nozzles need no manual mixing - faster, cleaner and more controlled.

Includes AI generated images