

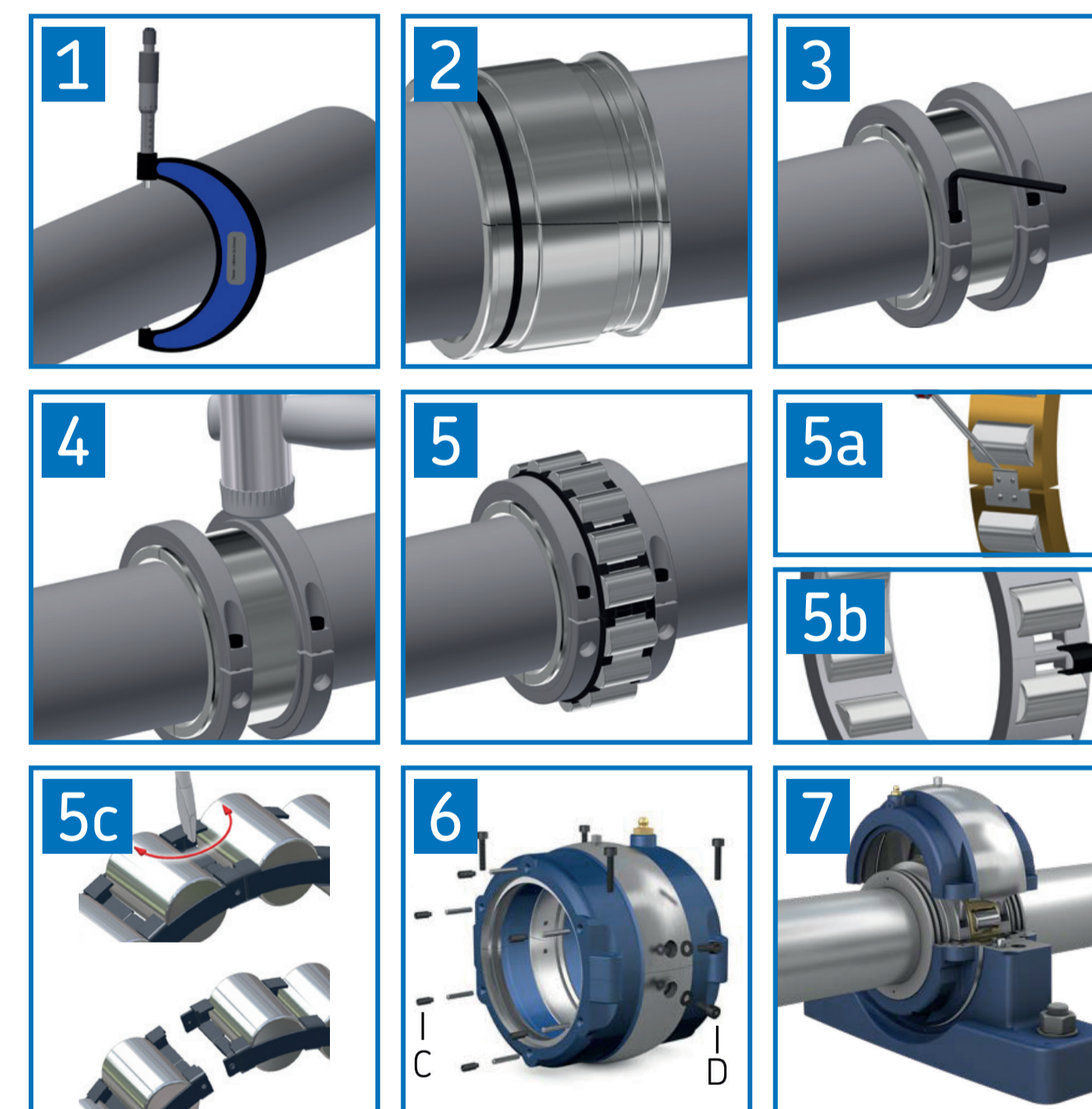
Easy Assembly in 7 Easy Steps

ASSEMBLING A COOPER SPLIT ROLLER BEARING

Overview of Assembly Procedure

Comprehensive assembly procedures are shown in our Product Catalogue and on the instructions included with all new bearings. Full assembly information is also available from our website at www.CooperBearings.com

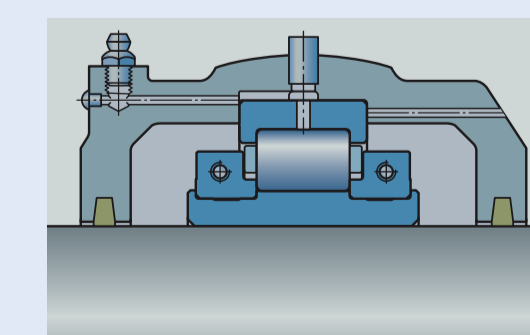
- 1 Clean the shaft and check the diameter, roundness and parallelism.
- 2 Position the matched halves of the inner race on the shaft and ensure there is a gap at both the inner race joints.
- 3 Fit the clamping rings, making sure the joints are at 90° to the inner race joints and tighten screws.
- 4 To ensure correct seating, tap down the clamping rings with a soft faced hammer and re-tighten screws. Repeat until the bearing parts fully seated. Ensure there is a gap of approximately equal amount at each race joint.
- 5 Coat the roller cage and the inner race with grease, and assemble the cage around the inner race. Insert "U" clip where supplied (5b) or snap the two halves together if plate (5a) or pressed steel type (5c) cages
- 6 Fit the outer race into the appropriate cartridge halves, noting the lubrication hole is in the upper half outer race. Fit radial screws (D) where appropriate and side screws (C) on GR (fixed) type cartridges.
- 7 Install the seals having followed the appropriate recommendations for the seal type as described in our full installation guide. Coat the outer race and seals with grease (soak Felt seals in oil). Close the cartridge and tighten joint screws. Lubricate spherical seating as recommended.



Bearing Types

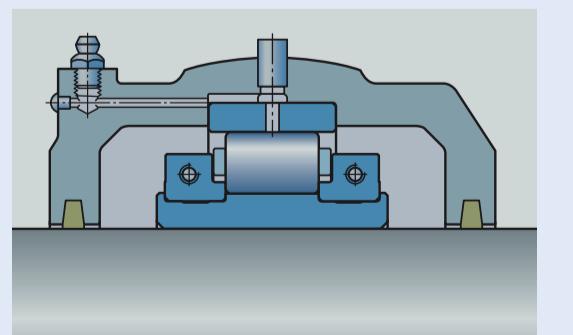
Fixed (GR) Bearing

Bearings with grooved inner race assemblies and grooved outer races for radial and axial loads. To be fitted in GR cartridges with side screws.



Expansion (EX) Bearing

Bearings with grooved inner race assemblies and plain outer races for radial loads. To be fitted in EX cartridges without side screws.



Basic Tools Required

Hexagon Keys

For bearing and housing assembly.

Feeler Gauges

To ensure correctly spaced joint gaps.

Flat Bladed Screwdriver

For cage clip removal and cage separation.

Micrometer - To measure the shaft.

Soft Faced Hammer

To ensure correct seating of components.

Torque Wrench

To ensure correct torque on screws.



For more information, visit www.CooperBearings.com or contact your nearest Authorised Cooper Distributor