

## REMOVING AND REINSTALLING BEARING ZKLDF150



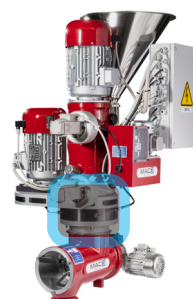
### WARNING!

The operations described in this technical data sheet and those contained in the relative video tutorials which can be captured via QR CODE must only be performed by qualified technicians and only after having read the safety information contained in the specific sections of the use and maintenance manual.

*When in doubt, do not interpret! Instead directly contact the Colombini Srl technical assistance service at +39 011 8211407 [service@colombini.srl](mailto:service@colombini.srl)*

To remove the grinding discs, the following are required:

- a) Allen wrench - 5 mm
- b) Allen wrench - 6 mm
- c) Allen wrenches - 4 mm, 3 mm
- d) wrenches - 27 mm, 17 mm, 13 mm
- e) supplied service wrench (code E0.0345).



E0.0345



### WARNING!

From the operator panel, move away the lower fine grinding discs to a value of 0.600 mm.



### WARNING!

Disconnect the machine electric power supply.



### WARNING!

Use cut-resistant gloves.



- Using a 5 mm Allen wrench, unscrew the screw blocking the sealing ring and remove it from its seat.
- Turn the extractor unit fully outwards.
- Using a 6 mm Allen wrench, loosen the six Allen screws locking the duct.
- Remove the duct towards the bottom.



- Insert the supplied service wrench (Code: E0.0345) into the arranged hole and turn the disc leftward all the way to the stop.
- Release the central nut using a 27 mm wrench.
- Turn the disc to the right and remove the service wrench.
- Unscrew the central nut while supporting and removing the assembly consisting of the lower fine grinding discs.

**CAUTION!**

**We recommend that a second person support the grinding discs throughout removal operations.**

- Using a 4 mm Allen wrench, unscrew the six Allen screws securing the upper fine grinding disc; then support the disc and withdraw it from its seat.



- Using a 13 mm wrench, unscrew the nut locking the probe in place, remove it from its threaded seat and gently pull the probe out of its housing on the side.
- Using a 13 mm wrench, unscrew the nut locking the second thermocouple probe in place beside the greasing nozzle.
- Carefully withdraw the probe.
- Using a 17 mm wrench, unscrew the greasing nozzle and remove it from its seat. Pull it out carefully.
- Loosen the four Allen screws securing the upper fine grinding motor support using a 6 mm Allen wrench.
- The position of the motor support vs. the timing belt frame is fixed by the locking position of an adjusting Allen screw located next to the frame. Loosen the adjusting Allen screw with a 6 mm Allen wrench.
- Push the motor support towards the body of the machine, loosening the timing belt - tensioned on the gear wheel inside the frame - just enough so that it acquires some play.
- Remove the cover for the upper fine grinding motor belt. Use a 4 mm Allen wrench to unscrew the five screws that secure the grille to the frame.
- Remove the gear wheel guard disc by unscrewing its three screws. Use a 3 mm Allen wrench.
- Release the timing belt from the gear wheel.
- Unscrew the six screws that secure the gear wheel to the motor support. Use a 5 mm Allen wrench.
- Remove the gear wheel.
- Use a 6 mm Allen wrench to loosen the six bearing assembly securing screws. Remove the bearing assembly from its seat.



- At the bench, use a 3 mm Allen wrench and unscrew the three screws of the gear wheel guard cover.
- Using a 5 mm wrench, unscrew the six Allen screws that secure the gear wheel to bearing ZKLDF.

**CAUTION!**

**Pay attention to gear wheel movement.**

- Release the bearing.

## REINSTALLING BEARING ZKLDF150



- Insert the gear wheel in its seat on bearing ZKLDF. Tighten the six Allen screws.
- Position the gear wheel cover, secure it with the three 3 mm Allen screws.
- Position bearing assembly ZKLDF150 in its housing inside the transmission frame and make certain that it is correctly positioned above the motor shaft and that the screw through-holes and threaded holes on the motor line up. Make sure that the belt is not pinched but correctly wraps around the gear wheel. Secure the assembly with the six screws.
- Use a feeler gauge to make sure that the bearing assembly position is correctly centred in its seat. Once the position has been checked, tighten the screws.
- Insert the two probes in its seat and use a 13 mm wrench to tighten the specific nut.
- Insert the lubrication injector into its seat, tightening it with a 17 mm wrench.
- Insert the gear wheel in its seat under the motor support and secure it with its screws.
- Place the timing belt around the gear wheel.
- Insert and secure the gear wheel guard disc.
- Tighten the Allen screw that adjusts the motor block position until the timing belt reaches a suitable tension on the gear wheel.

- Lock the four screws securing the motor block.
- Reinstall the lower guard grille on the machine frame.



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**CAUTION!**

**We recommend that a second person support the grinding discs throughout positioning and securing operations.**

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- Insert the upper fine grinding disc block in its seat and secure it with six Allen screws.
- Insert the lower fine grinding disc block in its seat, insert and tighten the 27 millimetre securing central nut. Support the unit in the correct insertion position.
- Insert the supplied service wrench (Code: E0.0345) into the arranged hole and turn the disc rightward all the way to the stop.
- Lock the central nut in place using a 27 mm wrench.
- Make sure that the lower fine grinding block remains mobile in its seat.
- Reinstall the duct.
- Using a 6 mm wrench, tighten the six blind nuts and secure the duct onto the machine.
- Turn the extractor unit inward all the way.
- Position the extractor unit sealing ring in its seat and lock it in place by tightening the special screw.



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**CAUTION!**

**Always reset both the fine and rough grinding discs after reinstalling.**

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