FITTING INSTRUCTIONS



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RIGHT ANGLE GEARBOX







PARTS LIST

Part Number	Quantity	Description
19423	1	Right Angle Gearbox main body
27528	1	Needle roller
19400	1	Straight mitre gear
27525	1	6003-2Z ball race
19399	1	Gearbox output shaft
19397.BLK9005	1	Gearbox index plate
27308	1	Ball race SKF 618/8
25351.12	9	SHCS M4 x 12 – 12.9

INSTRUCTIONS

- Insert the ball race SKF 618/8 into the large hole in the 1. middle of the gearbox index plate. See figure 2.
- 2. Place the gearbox index plate over the top of the gearbox ensuring the 5 holes align correctly. See figure 3.
- Fasten the gearbox index plate to the gearbox using 5 of 3. the SHCS M4 x 12 – 12.9 screws and torque tighten to 4.2 N·m. See figure 3.



FIGURE 2 - Inserting Ball Race SKF 618/8

FIGURE 3 – Attaching Gearbox Index Plate

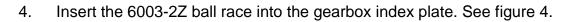




FIGURE 1 – Right Angle Gearbox Parts

FIGURE 4 – Inserting

6003-2Z Ball Race

- 5. down to ensure correct location. See figure 5.
- 6.



FIGURE 5 – Inserting Output Shaft and Straight Mitre Gear

- Pack the Right Angle Gearbox main body with grease to ensure continuous 7. figure 6.
- 8. to 4.2 N m. See figure 6.
- 9. rotate freely.
- 10. Attach the Right Angle Gearbox to your relevant EvoTorque[®] or PneuTorque[®] handle in the same way as you would with a standard Norbar gearbox. Please refer to individual tool fitting or servicing instructions for further guidance if required.

IMPORTANT: EFFICIENCY OF 97%.

The gearbox output shaft, needle roller and straight mitre gear come pre-assembled. Insert this assembly through the 6003-2Z ball race and make sure it is fully pressed

Apply some grease to the protruding gear (Turmogrease Li 802 EP recommended).



FIGURE 6 – Attaching Right Angle Gearbox Main Body

lubrication and place over the gearbox index plate ensuring correct alignment. See

Secure in place with the 4 remaining SHCS M4 x 12 – 12.9 screws and torque tighten

Before attaching to the relevant handle make sure the Right Angle Gearbox internals

WE RECOMMEND THE FULLY ASSEMBLED TOOL SHOULD BE **RECALIBRATED. ALTERNATIVELY, YOU SHOULD ASSUME AN**