



GEAR BACK LASH

When checking the gear backlash, do the following:

Lock the propeller blades by knocking in wooden wedges between the propeller blades and the tunnel. Do not forget to remove the wedges after the measurement!

Secure a lever on the upper end of the drive shaft (see drawing) or other suitable arrangement. The length of the lever should be more than the measure R in Table 1.

Measure by means of an indicator gauge, the movement which can be obtained on the drive shaft. Check that the backlash is within the limits given in Table 1.

Table 1

Size	Backlash	R (mm)
1100	0.20 + 0.05	49.8
1300	0.20 + 0.05	54.5
1650	0.30 + 0.05	56.6
2000	0.30 + 0.05	67.2
2200	0.30 + 0.05	79.4
2400	0.40 + 0.05	84.6
2650	0.50 + 0.05	98.7
2800	0.60 + 0.05	103.7
3000	0.60 + 0.05	114.4
3300	0.60 + 0.05	120.0

Figures are valid at +20°C

When the backlash is increased to 1.5 times the maximum value given above, we recommend an overhaul of the unit, or contact Rolls-Royce Marine AS for a recommendation.