

**5. Bearing internal clearance**

Track Roller Bearing internal clearance (initial clearance) is the amount of internal clearance a bearing has before being installed on a shaft or in a housing. The internal clearance values for NIKO Track roller bearing classes are shown in tables 5.1

Table 5.1 Radial internal clearance of track roller bearings (Unit:  $\mu\text{m}$ )

Nominal bore diameter d (mm)		C2		Normal		C3		C4	
over	incl.	min.	max.	min.	max.	min.	max.	min.	max.
-	10	6	12	8	15	15	22	22	30
10	18	6	12	8	15	15	24	30	40
18	30	6	12	10	20	20	32	40	55
30	50	8	14	14	25	25	40	55	75

**6. Lubrication**

6.1 Track rollers series IR 2..are supplied grease filled. (The lithium soap grease).

6.2 Track rollers series IR 52..are supplied grease filled. (The lithium soap grease) .

6.3 Track rollers LFR, mounting bolts and studs RC/RE

The units are supplied with lifetime grease lubrication

The size with an outside diameter 52 mm or greater have a lubrication hole in the inner ring.

To prevent mixing of greases with different characteristics, please insure to perform the

lubrication of the units with lubricants that have the same characteristics as the grease used

at the factory. Mounting bolts are available in both eccentric RE and concentric RC versions.

The eccentric bolts RE and RE..A1 allow the adjustment of the operating clearance.

Bolts of series RE..A1 and RC..A1 have facilities that enable relubrication of the track rollers.

The mounting bolts of series RC have supplied with the pertinent washer, while the one of

series RE have both washer and nut.

The units RC..A1 and RE..A1 also incorporate the grease fitting and its relative cover plug.

6.4 Track rollers RV

The units are supplied with lifetime lubrication.

6.5 Track rollers with "W" profile, type RM

The units are supplied with lifetime grease lubrication.