

**IKO**

# Long Life Specification

## Machined Type Needle Roller Bearings

**NEW**

Longer-lived bearings  
further increase equipment reliability!

**castalia**  
**IKO NIPPON THOMPSON CO., LTD.**

# Bearings for a new age:

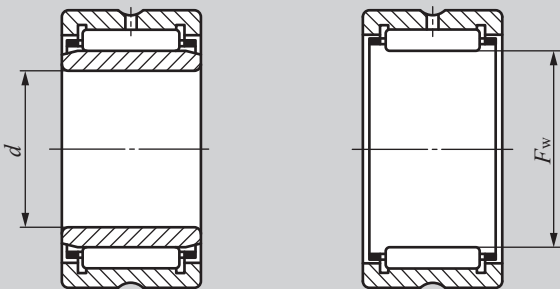
# **IKO** is proud to present Long Life Needle Roller Bearings!



## Realizing life more than 5 times longer

**IKO's** long life specification Machined Type Needle Roller Bearings have enhanced surface hardness and toughness thanks to a newly developed heat treatment, suppressing the generation and growth of damage from the surface and realizing dramatically lengthened life in environments with stringent load conditions or lubrication contaminated with foreign substances. Life comparison testing with standard heat-treated products reveals vastly extended life of more than 5 times that of the standard products.

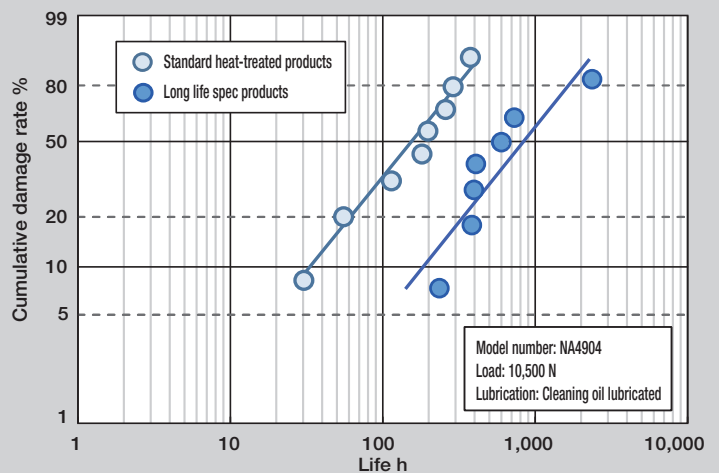
### Applicable production size



With inner ring		Without inner ring	
$d = 10 \sim 75\text{mm}$		$F_w = 14 \sim 85\text{mm}$	
NA	4900 ~ 4915	RNA	4900 ~ 4915
NA	6901 ~ 6915	RNA	6901 ~ 6915
TAFI	102216 ~ 7510535	TAF	142216 ~ 8510535
TRI	153320 ~ 7510845	TR	203320 ~ 8310845

Long Life Specification Machined Type Needle Roller Bearings are prepared based on usage. If needed, please contact **IKO**.

### Life data



This chart shows the results of life testing under load conditions 50% of the basic dynamic load rating. The long life specification with special heat treatment shows  $L_{10}$  life 5 times or more that of the standard heat-treated products.

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