

IKO

Extended Life Specification

Machined Type Needle Roller Bearings

NEW

Long-life bearings
for improved machine reliability!

NIPPON THOMPSON CO., LTD.

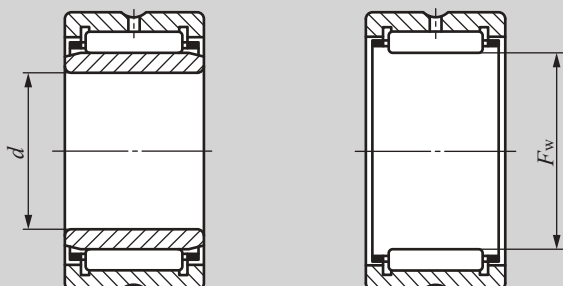
IKO presents the next generation in Needle Roller Bearings: the Extended Life Series



Extended life up to 5 times longer than standard needle roller bearings

IKO's Extended Life Specification Machined Type Needle Roller Bearings are treated with a newly developed special heat treatment that enhances the bearing's surface hardness and toughness, and suppresses the generation and growth of damage on the surface. Significant life extension can be achieved under high load or under the condition of lubrication contaminated with foreign substances. In a life comparison test, IKO's special heat treated Extended Life Series products lasted 5 times longer than standard heat-treated products.

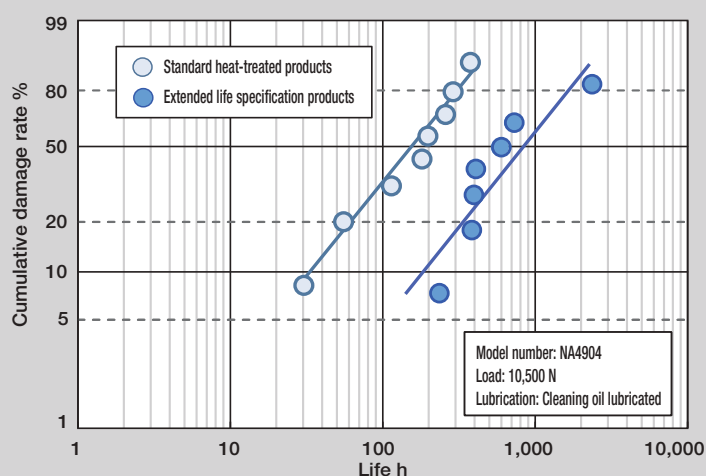
Applicable production size



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

Extended Life specification Machined Type Needle Roller Bearings are made to order upon request. Please contact **IKO** when needed.

Life data



This table shows the result of life testing under load conditions at 50% of the basic dynamic rating. The Extended Life specification with special heat treatment lasted 5 times longer or more in L10 life compared to the standard heat-treated products.

● NIPPON THOMPSON CO., LTD.

Tokyo (Japan) :Tel. +81 (0)3-3448-5850

● IKO INTERNATIONAL, INC. (U.S.A.)

New Jersey :Tel. +1 973-402-0254
 Illinois :Tel. +1 630-766-6464
 Minnesota :Tel. +1 952-892-8415
 California :Tel. +1 562-941-1019
 Santa Clara (Silicon Valley) :Tel. +1 408-492-0240
 Georgia :Tel. +1 770-418-1904
 Texas :Tel. +1 972-929-1515

● IKO THOMPSON BRAZIL SERVICE CO., LTD. (BRAZIL)

Sao Paulo :Tel. +55-(11) 2186-0221

● NIPPON THOMPSON EUROPE B.V. (EUROPE)

The Netherlands :Tel. +31 (0)10-462 68 68
 Germany :Tel. +49 (0)211-41 40 61
 Düsseldorf :Tel. +49 (0)941-20 60 70
 Regensburg :Tel. +49 (0)6821-99 98 60
 Neunkirchen :Tel. +44 (0)1908-566144
 United Kingdom :Tel. +34 949-26 33 90
 Spain :Tel. +33 (0)1-48 16 57 39
 France

● IKO-THOMPSON (SHANGHAI) LTD. (CHINA)

Shanghai :Tel. +86 (0)21-3250-5525
 Beijing :Tel. +86 (0)10-6515-7681

Guangzhou :Tel. +86 (0)20-8384-0797
 Wuhan :Tel. +86 (0)27-8556-1610
 Xi'an :Tel. +86 (0)29-8882-3225
 Shenzhen :Tel. +86 (0)775-2265-0553
 Chengdu :Tel. +86 (0)28-6250-5159
 Ningbo :Tel. +86 (0)574-8718-9535
 Qingdao :Tel. +86 (0)532-8670-2246
 Shenyang :Tel. +86 (0)24-2334-2662

● IKO THOMPSON ASIA CO., LTD. (THAILAND)

Bangkok (Thai) :Tel. +66 (0)2-637-5115

● IKO THOMPSON KOREA CO., LTD. (KOREA)

Seoul :Tel. +82 (0)2-6337-5851



• The specifications and dimensions of products in this catalog are subject to change without prior notice. • When these products are exported, the exporter should confirm a forwarding country and a use, and, in case of falling under the customer's requirements, take necessary procedures such as export permission application. • Although all data in this catalog has been carefully compiled to make the information as complete as possible, NIPPON THOMPSON CO., LTD. shall not be liable for any damages whatsoever, direct or indirect, based upon any information in this catalog. NIPPON THOMPSON CO., LTD. makes no warranty, either express or implied, including the implied warranty of merchantability or fitness for a particular purpose. • Reproduction and conversion without permission are prohibited.