

**IKO**

# Extended Life Specification

## Machined Type Needle Roller Bearings

**NEW**

Long-life bearings  
for improved machine reliability!

**NIPPON THOMPSON CO., LTD.**

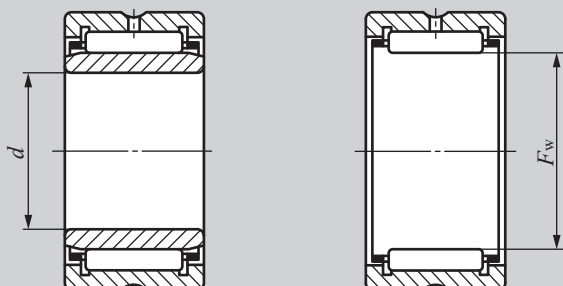
# IKO presents the next generation in Needle Roller Bearings: the Extended Life Series



## 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.

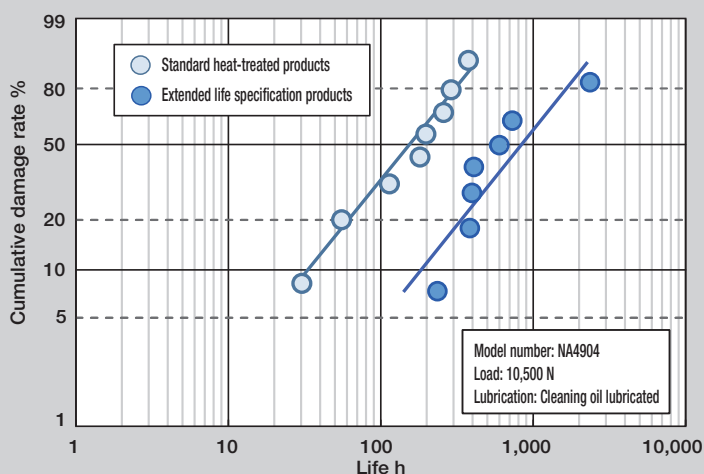
### Applicable production size



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



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