

# The world's smallest miniature ball bearing

## **Succeeded in Manufacturing** the World's Smallest Radial Deep Groove Ball Bearing



## **Recommended applications**

OExtra small machinery unit

## **Features**

- Super high precision low noise bearing
- Satisfies international standard of AFBMA ABEC-5 (JIS P5 class)

No.	B0.6-1h26
Outside diameter	φ2.0 mm (0.0787 in.)
Bore diameter	ф0.6 mm (0.0236 in.)
Width	φ0.8 mm (0.0314 in.)
Ball diameter	ф0.3 mm (0.0118 in.) x 7 pieces
Material	φMartensitic Stainless steel

## **NSK Micro Precision Co., Ltd.**

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ISC employee honored and awarded "A person of prominent skill"(A modern master craftsperson) by Ministry of Health, Labour and Welfare. Details are as follows

He has been engaged solely for the groove grinding and its super finish process, those of which are the most important process of miniature ball bearing for applications like motors and computers. He has established a process method for super precision ultra small bearing, which used to be considered as nearly impossible. With his prominent skill, he managed to produce the world's smallest ball bearing\*(OD: 2mm, ID: 0.6mm) and have made a breakthrough for size minimization for application such as IT and medical field.

\*:as of 2005/11

A person of prominent skill(A modern master craftsperson)commendation Denomination: A person of prominent skill(A modern master craftsperson)commendation (commended by Minister of Health, Labour and Welfare)

Aim: To infiltrate the respect to a prominent manufacturing skill and also to aim the uplift of the position of skilled worker and skill standard as well, this award had been founded, also to raise the motivation to become a devoted worker in the skilled manufacturing fields

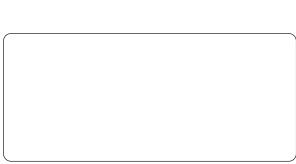
ISC employee honored and awarded "the Medal with a Yellow Ribbon (for industriousness)", on Fall, 2006. Details are as follows

By being admitted that the processing technique of the world's smallest ball bearing was established in last summer, he has been awarded the Medal with a

Yellow Ribbon (for industriousness), followed by the award of a person of prominent skill(A modern master craftsperson) by Ministry of Health, Labour and Welfare in Fall, 2006.

### A Medal with a Yellow Ribbon commendation

Aim: An individual or the group with prominent achievement on the field of society, public and culture are commended with the medal of honor. Founded on 1955 along with the privilege system revision, the Medal with a Yellow Ribbon has been awarded to an individual or group who is diligent for duties, and is considered as a person/group of role model. With the privilege system revision on 2003, the award has been intended additionally, in order to increase the number of award winner, to the "the person who is diligent for duties in the first line and holds a prominent skill and technological achievement that should be a role model for others



\*Contents may be revised without prior notice.