



To whom it may concern:

Company Name:	Minebea Co., Ltd.
Representative:	Yoshihisa Kainuma
-	Representative Director,
	President and Chief Executive
	Officer
	(Code No. 6479, TSE Div. No. 1)
Contact:	Yasuo Komine
	General Manager
	Corporate Communications Office
Phone:	+81-(0)3-6758-6703

<u>Minebea's Bearing with 1.5 mm in Outer Diameter achieved</u> <u>a GUINNESS WORLD RECORDS® title</u> for the Smallest Commercially Available Steel Ball Bearing

A steel ball bearing having 1.5 mm in outer diameter, manufactured by Minebea Co., Ltd. ("Minebea"), achieved a GUINNESS WORLD RECORDS title on August, 28, 2015 as the smallest commercially available steel ball bearing. This record has been verified by Guinness World Records Ltd. as the smallest steel ball bearings in the world that can be mass-produced commercially. On the said date, Yoshihisa Kainuma (Representative Director, President and Chief Executive Officer) and Hiroyuki Yajima (Director, Senior Managing Executive Officer) and six engineers from the Karuizawa plant received a GUINNESS WORLD RECORDS certificate from Ms. Erika Ogawa, Vice President Japan of Guinness World Records Ltd.

(Certified record: Smallest commercially available steel ball bearing, outer diameter of bearings $-\,1.4978$ mm)

Yoshihisa Kainuma, Representative Director, President and Chief Executive Officer of Minebea, said: "We are really delighted to learn that our miniature ball bearing, a cornerstone of Minebea, was certified as the world's smallest mass-produced steel ball bearing by GUINNESS WORLD RECORDS. This achievement can be attributed to the unfailing efforts of our engineers and all others involved in the product. Minebea's mission statement—Passion to Exceed Precision entails two meanings: a passion for achieving further precision and another passion for embarking toward uncharted territories. This award embodies the former passion. We will redouble efforts to create even more products that enrich people's lives."

Ms. Ikuko Koyama from the Karuizawa plant said: "The ball bearing's 1.5mm external diameter was achieved thanks to our team's efforts throughout the production process. I am really excited that bearings, which are often overlooked, are getting their chance in the spotlight. We boldly attempted to miniaturize bearings to a size never before seen and were able to bring them to market. It's made me realize that hard work pays off and there is nothing that cannot be achieved."



(From left) Six engineers from the Karuizawa plant; Erika Ogawa, Vice President of Guinness World Records Japan

K.K.; and Yoshihisa Kainuma, Representative Director, President and Chief Executive Officer of Minebea

[Background of the Challenge]

Minebea's predecessor, Nippon Miniature Ball Bearing Co., Ltd. was established in 1951 in Tokyo as Japan's first specialized manufacturer of miniature ball bearings. Since our foundation, we have excelled in the manufacture of miniature-sized ball bearings, the fact of which has synchronized superbly with the trend of light, thin, short and small devices of various kinds at the time. Today, Minebea captures a worldwide market share in excess of 60% in the miniature ball bearings up to 22mm in external diameter (JIS model number 608) (based on an internal investigation).

This Smallest commercially available steel ball bearing has been developed through the passionate efforts made by all concerned parties within Minebea to demonstrate to the world its ability to introduce the tiniest bearing in the world within the framework of "mass-production". In 2009, we have successfully broken the barrier of 2 mm in outer diameter in the manufacture of ball bearings to pave the way for the mass production of such miniature ball bearings.

This bearing is 1.5 mm in external diameter, 0.5mm in inner diameter, and 0.65 mm in width, with 6 steel balls and retainers supporting those balls in it. Despite its compactness, its precision must comply with the Japanese Industrial Standards (JIS) code. On top of that, we were committed to realizing the mass production of those products aiming at performing our mission as the precision component manufacturer. By overcoming a variety of hurdles and tasks that were conflicting and contrary with one another at times, we have finally succeeded in developing miniature ball bearing that can be mass produced on a commercial basis.

We will devote ourselves to introducing new products that will benefit to the society going forward, by demonstrating to the world our ultra high-precision technologies that have been at the core of setting the world record this time around.

[Use of ball bearings with 1.5mm in outer diameter]

The ball bearings certified as the GUINNESS WORLD RECORDS title are used in the Tourbillon mechanism installed in the highest-grade mechanical watches in Japan. Our miniature ball bearings have been adopted for the first time in the Tourbillion mechanism, the design/development and manufacture of which were considered the most difficult, installed in the mechanical watches, the delicate axels of which have been traditionally supported by jewelries such as rubies. Such an application was featured as the epoch-making event among the independent watch-makers in Switzerland. A new market for the application of miniature ball bearings has been offered to us, leading us to new orders and wider usages and applications on an on-going basis.

[Guinness World Records Japan has recognised Minebea as the first record holder of the Takumi Nippon Project]

Minebea is also recognised by Guinness World Records Japan as the first record holder of the "Takumi Nippon Project" for its bearings, thereby demonstrating Japan's superior industrial technologies to the world over.

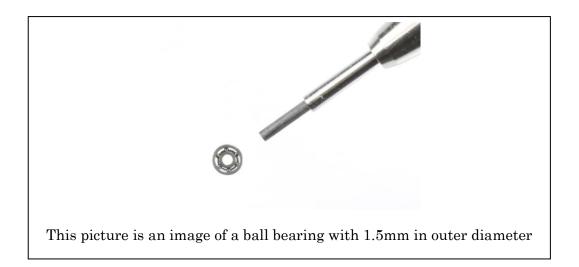
The Takumi Nippon Project is a project supported by Guinness World Records Japan in its effort to stimulate and incentivise engineer, researchers and craftsmen in Japan for their insatiable intellectual curiosity and challenging spirits as well as transmitting such information to the world.

Website for the Takumi Nippon Project:

http://www.guinnessworldrecords.jp/Campaigns/takumi/







[Outline of Minebea]

(1) Company name	Minebea Co., Ltd.
(2) Location of head office	4106-73 Oaza Miyota, Miyota-machi, Kitasaku-gun, Nagano
(3) Representative	Yoshihisa Kainuma Representative Director, President and Chief Executive Officer
(4) Principal business line	Machinery components business including ball bearings, Electronic devices and components business including electric devices and small-sized motors
(5) Paid-in capital	68,258 million yen (as of March 31, 2015)
(6) Established	July, 1951
(7) Financial closing date	March 31
(8) Major shareholders and shareholding ratio	The Master Trust Bank of Japan, Ltd. (Trust Account): 7.64% Japan Trustee Services Bank, Ltd. (Trust Account): 5.51% Takahashi Industrial and Economic Research Foundation:4.08% (as of March 31, 2015)
(9) Total net assets (consolidated)	233,679 million yen (as of March 31, 2015)
(10) Total assets (consolidated)	490,043 million yen (as of March 31, 2015)
(11) Net sales (consolidated)	500,676 million yen (Fiscal Year ended in March 31, 2015)
(12) Number of employees	Non-consolidated: 3,853 (as of June 30, 2015) Consolidated: 67,466 (as of June 30, 2015)

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