

<http://www.nsd.com.tw>
Taiwan Patent No.: 135058
U.S.A. Patent No.: 5800311
Germany Patent No.: 20201408.8
and other patents.



REACH
RoHS

Made in Taiwan

NSD POWER[®]

PB-188 Series PB-388 Series

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NSD POWER®

PB-188A PB-188AC

PB-188A : NSD POWER automatic ball

PB-188A with auxiliary starting force is suitable for new players. Activate the inner rotor in the direction of the arrow on its surface. Then you can start to train the muscles of your forearms and enjoy the fun the ball brings.

Directions:

Spin the inner rotor in the direction of the arrow with your thumb on its surface till it cannot be spun any longer. (Fig. A) As soon as the manual spinning stops, the inner rotor will reverse and start to rotate automatically. You can use your wrist movement to speed up.

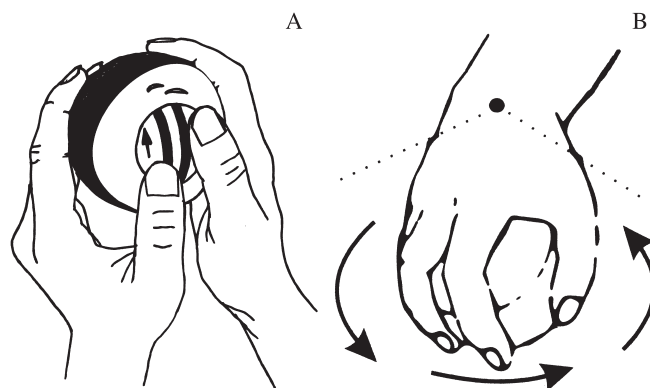
Please note: If the inner rotor is not rotated as directed, the automatic spinning mode will not be activated.

For more information, please refer to "autostart powerball" on Youtube.

To Speed Up

Once the inner rotor starts to revolve, twist your wrist clockwise or counter clockwise to speed up. Once the spinning speeds up, you can start to exercise your wrist and forearm (Fig. B)

PB-188A :



Important Notice:

- * All products in the **NSD POWER®** 188 Series are made of biodegradable materials and conformed to CE and RoHS regulations. Please keep away from sunshine.
- * Do not touch the ball when its inner rotor is activating.
- * Please keep the internal of the sphere clean and away from liquid and grease.
- * Avoid touching the inner rotor with any hard object.
- * Do not drop the ball, or it will damage the internal structure and components.
- * Do not over exercise your forearms using **NSD POWER®**.
- * We recommend you have a balanced use of both forearms.
- * When the inner rotor spins up to 8,000 RPM, please have a tight grip of the ball so as to keep it from dropping and avoid a shortened life.
- * **NSD POWER®** is not suitable for children under 14.

NSD POWER®

Australian Patents

No.2004100675	No.2008100053	No.2007100698
No.2005100371	No.2006100976	
No.2007100698		

China Patents

No.02253289.7	No.02285307.3	No.200520027599.4
No.3258043.6	No.200320112335.X	No.200520130995.X
No.200320112334.5	No.200320112356.1	No.200620027443.0
No.02233006.2	No.200420029473.6	

France Patents

No.2873301	No.2897271	No.2909890
No.2897270	No.2912924	No.2904230

Russia Patent

No.71795

South African Patent

No.2007/06366

Taiwan Patents

No.135058	No. M 240246	No.M 289072
No.143917	No. M 240250	No. M 294341
No.192202	No. M 240251	No. M 308777
No.210444	No. M 242242	No. M350393
No. M244112	No. M 259618	

U.S.A. Patents

No.7,033,304	No.7,101,315	No.7,318,790
No.7,086,990	No.7,452,307	No.7,381,155
No.6,623,405	No.7,077,786	No.5,800,311
No.6,942,601		

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Germany Patents

Nr.20215476.9	Nr.20212121.6	Nr.202005017793.8
Nr.20311474.4	Nr.20320189.2	Nr.202006014737.3
Nr.20319784.4	Nr.202004017469.3	Nr.202007010179.1
Nr.20201408.8	Nr.202004016651.8	

Japan Patents

No.3146882	No.3118250	No.3127440
No.3106852	No.3127943	

Korea Patents

No.373474	No. 405233	No. 433558
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Netherlands Patents

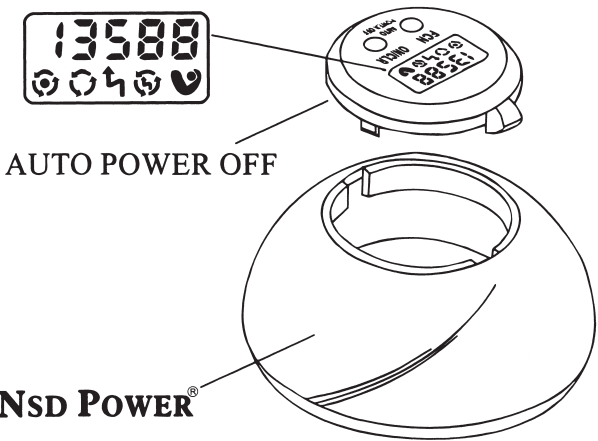
No.1027458	No.1030116	No.1033500
No.1026674	No.1033359	No.1033367
No.1030115		

NSD POWER digital counter

It enables users to see the process of their muscle training. It will show immediate scores for users’ reference.

Functions:

- a. To count rotation speed of the inner rotor.
The counting unit is RPM (revolutions per minute).
- b. To record the currently highest RPM and the historically highest RPM.
- c. With three modes of physical strength index:
revolutions/30 seconds, revolutions/60 seconds, and revolutions/90 seconds.



Counting of revolutions (🌀) :

- a. Press the “FCN” button on the digital counter, and then the counting mode of revolutions starts.
- b. The digital counter can save scores of rotation in memory.
- c. Press the “CLR” button on the digital counter to clear off revolution record.

★ *Please note: When your muscle force is so powerful as to reach speeds in excess of 18,000 RPM, the digital counter will stop working.*

Counting of Current RPM (🌀) :

Press the “FCN” button on the digital counter, and the counting mode of real time revolutions starts. Then the current RPM is displayed.

Historically highest score & Currently highest score (🌀) / (🌀) :

- a. Press the “FCN” button to start the “historically highest RPM & currently highest RPM” mode.
- b. When the rotor is not spinning, the digital counter displays the historically highest score. Press the “CLR” button to clear off the number shown.
- c. When the inner rotor is rotating, the currently highest score is displayed.

- d. When the current score is higher than the historical record, the display on the digital counter will flash. The new score will automatically overwrite the old high score.
- e. For the currently highest score, press the “CLR” or “FCN” button during rotation of the inner rotor or when the digital counter is off.

Physical Strength Index (❤️) :

There are three modes of index: 30 seconds/ revolutions, 60 seconds/ revolutions, and 90 seconds/ revolutions.

- a. Press the “FCN” button to start the modes of physical strength index.

- b. The mode of revolutions/30 seconds shows up first. Press the “CLR” button while the rotor is not in motion, and the mode of revolutions/60 seconds shows up. With one more press of the “CLR” button, the mode of revolutions/90 seconds will show up.
- c. When the inner rotor is set in motion, the number of revolutions will be recorded. When speeding-up comes to a pause, the digital counter will display the number in the following 5 to 8 seconds. The digital counter continues to record the score till the rotation comes to a total stop. And the digital counter stops counting, too.

- d. Press the “CLR” button to restart the counting.
- e. If no button on the digital counter is pressed, the counter will be automatically off in 40 seconds.
- f. Press the “FCN” button while the digital counter is working in order to renew the score.
- g. If the inner rotor stops spinning for 40 seconds, the digital counter will be automatically off except that the physical strength index is still on.