

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



Made in Taiwan

NSD POWER®

PB-188

PB-188 C

PB-188 : NSD POWER® Regular Ball

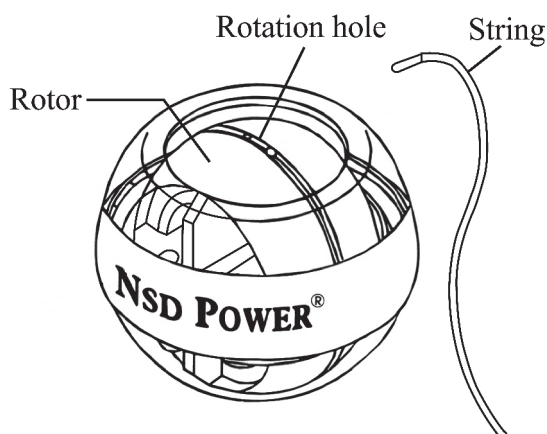
It's great to get NSD POWER Regular Ball! Congratulations! You have chosen one of the world's most powerful and perfect balanced gyroscope, which has been combined with high quality materials and Taiwan's finest art techniques. You may certainly have a pair of strong arms and nimble wrists with continually using the gyroscope for weeks. The NSD POWER gyroscope may enhance your grades in sports no matter in tennis, golf, table tennis, billiards, basketball, volleyball, wrestle, or in boxing, and also the gyroscope can enhance fun and joy through competition and little games with your friends and family. Wow! So many benefits may be got soon. Aren't you ready to start the magic now?

**WARNING: NSD POWER IS BEYOND YOUR IMAGINATION.
 EXERCISING EXCESSIVELY MAY CAUSE
 DISCOMFORT OR INJURIES.**

Important Notes

- * All the products in the NSD POWER® 188 Series are made of biodegradable materials and conformed to CE and RoHS regulations. Please keep them away from the sunshine.
- * Do not touch the ball when its inner rotor is activating.
- * Please keep the interior 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 by using NSD POWER®.
- * Getting a balanced use of both forearms is recommended.
- * When the inner rotor spins up to 8,000 RPM, please have a tight grip on the ball so as to keep it from dropping and avoid a shortened life.
- * NSD POWER® is not suitable for children under 14.

PB – 188: The basic construction of the gyroscope



To Start (using the starting cord)

1. Insert the plastic tip of the starting cord into the hole in the inner rotor.
2. Wind the starting cord up in the track in the middle of the inner rotor in any direction with two or three circles, then use one hand to hold the ball and another one to grab the another side of the starting cord depart them into different direction. (Fig. A)
3. Spin your wrist clockwise to follow the inner rotor.

To Start (using the bare hands)

1. Hold the gyroscope with one hand and turn the inner rotor to side. (Please to turn the track of the rotor perpendicularly)
2. Use another hand like a knife to slice the inner rotor perpendicularly and rapidly twice or three times.(Fig B)
3. Spin your wrist clockwise to follow the inner rotor.

To Speed Up

Once the inner rotor starts to revolve, spin your wrist clockwise to speed up. (Fig C)

NSD POWER®

Australia Patents

No.2004100675
 No.2005100371

No.2008100053
 No.2006100976

No.2007100698

China Patents

No.02253289.7
 No.3258043.6
 No.200320112334.5
 No.02233006.2

No.02285307.3
 No.200320112335.X
 No.200320112356.1
 No.200420029473.6

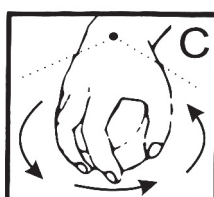
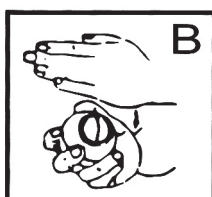
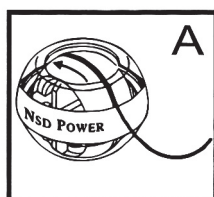
No.200520027599.4
 No.200520130995.X
 No.200620027443.0

France Patents

No.2873301
 No.2897270

No.2897271
 No.2912924

No.2909890
 No.2904230



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. Counting of revolutions:
To measure the revolutions you use Powerball in a period.
- (⊙) b. Counting of Current RPM:
To show the current RPM (revolutions per minute) when you are exercising.
- (⌚) (⊗) c. Historically highest score & Currently highest score.
- (♥) d. Physical Strength Index:
To show your explosive force in 30, 60 or 90 seconds.

★Please note: The maximum speed of the digital counter is 18,000 RPM.

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 revolutions in memory.
- c. Press the "CLR" button on the digital counter to clear off revolution record.
- d. The unit of digit number: 1 : 100 revolutions
- e. Users can set up goal revolutions to achieve in a certain period of time. Thereby, users can get better and better statistics of exercising

Counting of Current RPM: (⊙)

- a. Press the "FCN" button on the digital counter, and then the counting mode of current revolutions starts. Then the current RPM is displayed.
- e. For the currently highest score, if you press the "CLR" button during rotation of the inner rotor, only the currently highest score record will be cleared off.
- f. For the historically highest score, if you press the "CLR" button twice when the inner rotor is still, the historically highest score record will be cleared off.

Physical Strength Index (♥)

There are three modes of index: 30-second revolutions, 60-second revolutions, and 90-second revolutions.

- a. Press the "FCN" button to start the modes of physical strength index.
- b. The mode of 30-second revolutions shows up first. Press the "CLR" button while the ball is not in motion, and then the mode of 60-second revolutions will show up. With one more press of the "CLR" button, the mode of 90-second revolutions will appear.

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

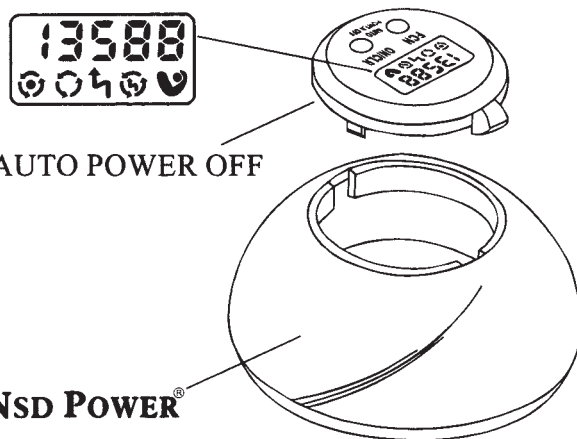
No.3146882	No.3118250	No.3127440
No.3106852	No.3127943	

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		



- b. This function is very exciting for users. The digit monitor feels like the dashboard of a roadster. The more power you input, the more feedback you get from the gyroscope.

Historically highest score & Currently highest score (⌚)/(⊗)

- a. Press the "FCN" button to start the "historically highest RPM & currently highest RPM" mode.
- b. When the ball 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. Then the historical record will be renewed automatically by the current higher score.
- c. The function is to show how many turns you can make within 30, 60 or 90 seconds. The LCD monitor will show the number of the turns when the seconds start to be counted down. Then you may know your explosive force during the certain period of time.
- d. Press the "CLR" button to restart the counting.
- e. If no button on the digital counter is pressed, the counter will automatically be off in 40 seconds.
- f. Press the "CLR" button when the digital counter is working, and the score can be renewed.
- g. If the inner rotor has stopped spinning for 40 seconds, the digital counter will automatically be off except that the physical strength index is still on.
- h. It's the fancy function that users can test their explosive force within short time. For example, an athlete can make a 100-meter dash within ten seconds. Users can get different fun in this function.

Russia Patent

No.71795

South Africa 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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