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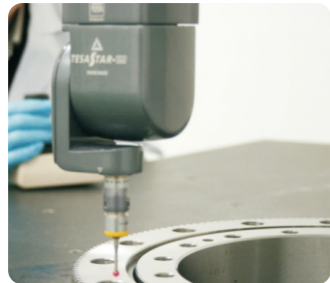
SALES AGENT :

## AGRICULTURAL HUB UNITS





## About Us



NPB Bearing(China) Co.,Ltd was established in 2000 located in Luoyang, China. The company was founded by Luoyang CAB Auto-Machinery Co.,Ltd and Luck Peace Enterprise Ltd (LPB) who were working on the bearings and auto-machinery parts.



As a professional bearing manufacturer and international trader, NPB offers a wide range of product lines including agricultural hubs, bearing units, deep groove ball bearings, tapered roller bearings, track rollers, slewing bearings and thin section bearings, which are widely used in industries including agricultural machinery, construction

machinery, automotive industry, material handlings, wind power and mining.

Counting on our years of experience on a comprehensive range of bearing business, we accumulated extensive expertise on bearing solutions. Through outstanding and consisting product performance, effective quality system, flexible manufacturing and customer-concentric service, We provide customers in different industries with reliable solutions.



## Agricultural Hub Units

Through years of cooperation with OEM factories, NPB has accumulated extensive expertise on solutions for agriculture applications, the bearings are usually working in harsh environments with containments, especially the bearings for seeding and tillage discs, the straw, stones, sap, water and more can cause disc bearing seals to fail, leading to contaminant ingress, lubricant loss and premature bearing failures.

The NPB agriculture hub is a fully integrated hub bearing system, greased and sealed for the life of the unit. Proven to reduce downtime and drive productivity.

The hub unit has a flanged outer ring that is pre-drilled and tapped to accommodate a disc. The stationary inner ring is fitted with a threaded stub shaft for easy mounting onto practically any implement arm. In addition to enabling manufacturers to offer end users products with increased reliability, the agriculture hub for farmers reduce maintain time and boost productivity.





## Product Features

- Double-row angular contact ball bearing, enabling a higher carrying capacity compared to conventional one-row designs
- Zinc coating or black oxide coating, contributing to long service life and anti-corrosion property
- Robust five-lip seal design that helps extend bearing service life, reducing maintenance and repairs
- Integrated designs easy for mounting and dismounting



## Main Products

Agricultural Hub Units



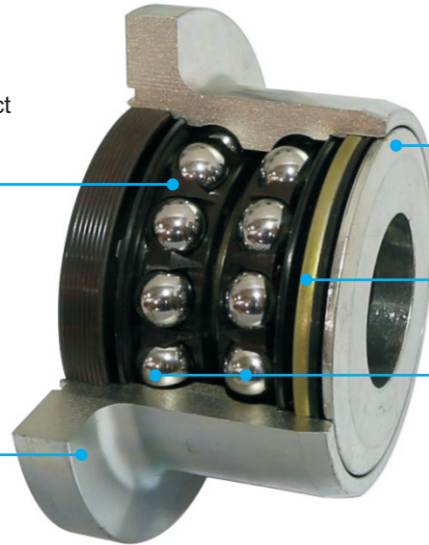


### Hub Unit Diagram1

#### Product Specification

##### Retainer

Self-lubrication and good Performance of resisting corrosion, toughness, impact and abrasion



##### Protection cap

Anti-contamination cap for disc replacement Prevent mud and protect the oil seal

5-lip Oil Seal

##### Double ball bearing

Enable high carrying capacity in both radial and axial direction

##### Flanged outer ring

Pre-drilled and tapped to accommodate a disc, Easy to replace

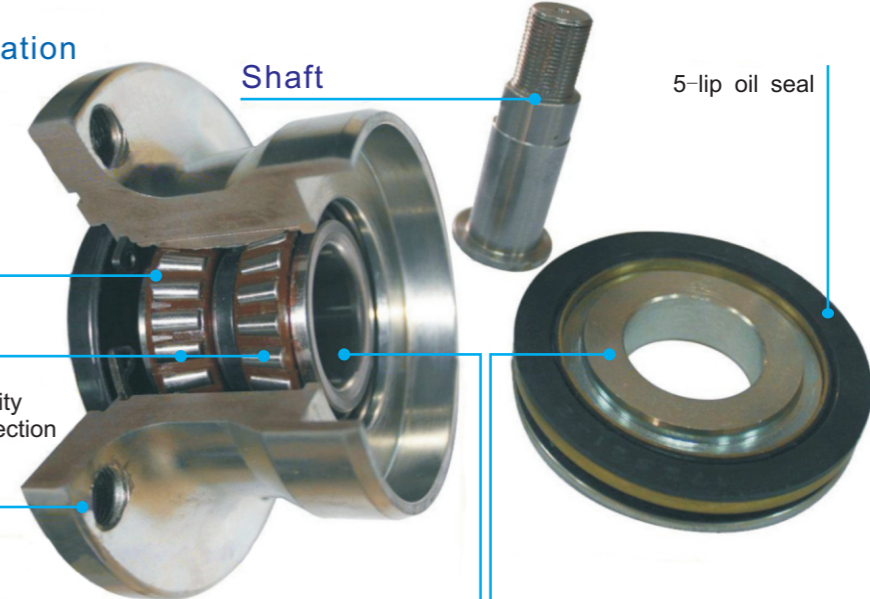


### Hub Unit Diagram2

#### Protection Specification

##### Retainer

Self-lubrication and good performance of resisting corrosion, toughness, impact and abrasion



Shaft

5-lip oil seal

Double row roller bearing  
Enable high carrying capacity in both radial and axial direction

Flanged outer ring  
Pre-drilled and tapped to accommodate a disc  
Easy to mount, easy to replace

##### Protection cap

Anti-contamination cap for disc replacement Prevent mud and protect the oil seal

Inner ring to fit with a threaded stub shaft  
Easy mounting onto almost any implement arm



**Agricultural Hub Unit List**

Designation	Attachment holes in outer ring	Shaft	Outer Dia
NPB-H001104	4×M12×1.25	Not	175mm
NPB-H002140	5×M12×1.25	Not	145mm
NPB-H005098	4×M12×1.25	Included	117mm
NPB-H006098	4×M12×1.25	Included	117mm
NPB-H007098-A	4×M12×1.25	Included	117mm
NPB-H007098-A5	5×M12×1.25	Included	117mm
NPB-H007098-A6	6×M12×1.25	Included	117mm
NPB-H008097	3×M12×1.75	Included	117mm
NPB-H009106	3×M12×1.75	Included	127mm
<b>We can make outer dia for AHU</b>	<b>80mm--1800mm</b>		



**Agricultural Hub Units: NPB-H001104**

<b>Product Name</b>	Agricultural Hub Units
<b>Product No.</b>	NPB-H001104
<b>Axial Clearance</b>	0.005-0.025mm
<b>Cr</b>	45KN
<b>Cor</b>	39KN
<b>Grease Type</b>	MULTEMPAF-1
<b>Surface Galvanized</b>	Fe/Zn12/P1
<b>Fatigue Resistance</b>	One million turns for usual
<b>Waterproof</b>	No pollutant or water through the inner oil seal in 1000h
<b>Working Temperature</b>	-10℃~+60℃



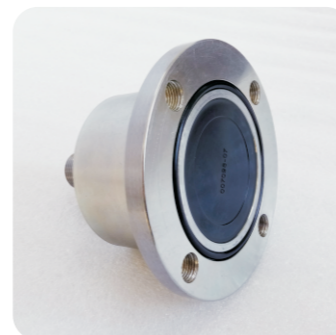
**Agricultural Hub Units: NPB-H002140**

<b>Product Name</b>	Agricultural Hub Units
<b>Product No.</b>	NPB-H002140
<b>Axial Clearance</b>	0.005-0.025mm
<b>Cr</b>	61.4KN
<b>Cor</b>	51.5KN
<b>Grease Type</b>	MULTEMPAF-1
<b>Surface Galvanized</b>	Fe/Zn12/P1
<b>Fatigue Resistance</b>	One million turns for usual
<b>Waterproof</b>	No pollutant or water through the inner oil seal in 1000h
<b>Working Temperature</b>	-10℃~+60℃



**Agricultural Hub Units: NPB-H005098**

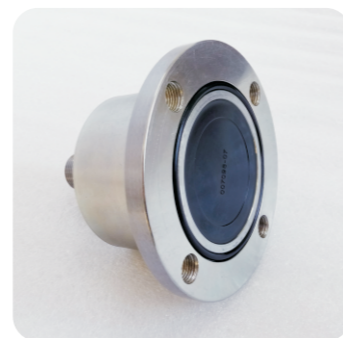
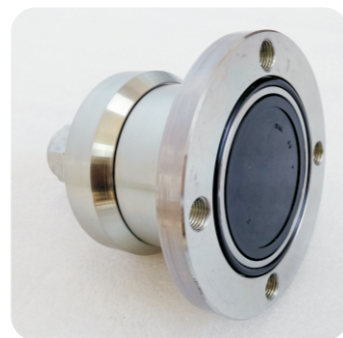
<b>Product Name</b>	Agricultural Hub Units
<b>Product No.</b>	NPB-H005098
<b>Axial Clearance</b>	0.005-0.025mm
<b>Cr</b>	48KN
<b>Cor</b>	39KN
<b>Grease Type</b>	MULTEMPAF-1
<b>Surface Galvanized</b>	Fe/Zn12/P1
<b>Fatigue Resistance</b>	≥One million turns for usual
<b>Waterproof</b>	No pollutant or water through the inner oil seal in 1000h
<b>Working Temperature</b>	-10℃~+60℃





**Agricultural Hub Units: NPB-H006098**

<b>Product Name</b>	Agricultural Hub Units
<b>Product No.</b>	NPB-H006098
<b>Axial Clearance</b>	0.025-0.049mm
<b>Cr</b>	61KN
<b>Cor</b>	51KN
<b>Grease Type</b>	MULTEMP AF-1
<b>Surface Galvanized</b>	Fe/Zn12/P1
<b>Fatigue Resistance</b>	≥One million turns for usual
	Rated Dynamic Load
<b>Waterproof</b>	No pollutant or water through the inner oil seal in 1000h
<b>Working Temperature</b>	-10℃~+60℃



**Agricultural Hub Units: NPB-H007098-A**

<b>Product Name</b>	Agricultural Hub Units
<b>Product No.</b>	NPB-H007098-A
<b>Axial Clearance</b>	0.005-0.025mm
<b>Cr</b>	44.6KN
<b>Cor</b>	34.6KN
<b>Grease Type</b>	MULTRMP AF-1
<b>Surface Galvanized</b>	Fe/Zn12/P1
<b>Fatigue Resistance</b>	Two million turns for usual
<b>Waterproof</b>	No pollutant or water through the inner oil seal in 1000h
<b>Working Temperature</b>	-10℃~+60℃



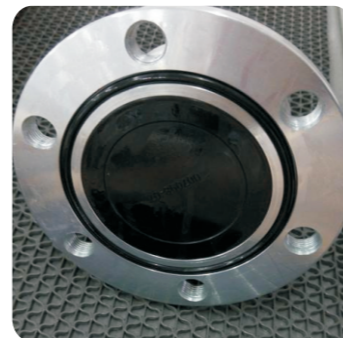
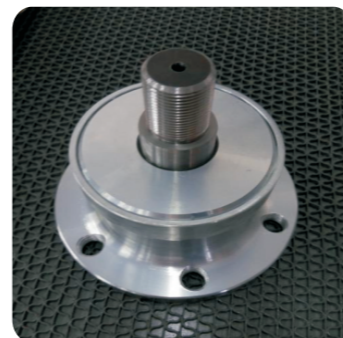
**Agricultural Hub Units: NPB-H007098-A5**

<b>Product Name</b>	Agricultural Hub Units
<b>Product No.</b>	NPB-H007098-A5
<b>Axial Clearance</b>	0.005-0.025mm
<b>Cr</b>	44.6KN
<b>Cor</b>	34.6KN
<b>Grease Type</b>	MULTEMP AF-1
<b>Surface Galvanized</b>	Fe/Zn12/P1
<b>Fatigue Resistance</b>	Two million turns for usual
<b>Waterproof</b>	No pollutant or water through the inner oil seal in 1000h
<b>Working Temperature</b>	-10℃~+60℃



**Agricultural Hub Units: NPB-H007098-A6**

<b>Product Name</b>	Agricultural Hub Units
<b>Product No.</b>	NPB-H007098-A6
<b>Axial Clearance</b>	0.005-0.025mm
<b>Cr</b>	44.6KN
<b>Cor</b>	34.6KN
<b>Grease Type</b>	MULTRMP AF-1
<b>Surface Galvanized</b>	Fe/Zn12/P1
<b>Fatigue Resistance</b>	Two million turns for usual
<b>Waterproof</b>	No pollutant or water through the inner oil seal in 1000h
<b>Working Temperature</b>	-10℃~+60℃





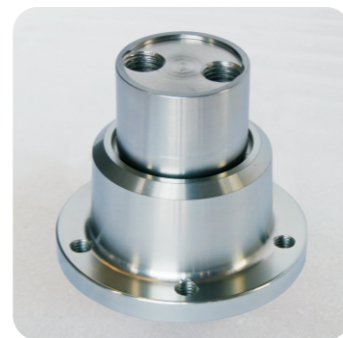
**Agricultural Hub Units: NPB-H008097**

<b>Product Name</b>	Agricultural Hub Units
<b>Product No.</b>	NPB-H008097
<b>Radial Clearance</b>	0.005-0.012mm
<b>Cr</b>	40.7KN
<b>Cor</b>	28.1KN
<b>Lubricating Oil Type</b>	SAE80/90 CL-5
<b>Surface Galvanized</b>	3+Cr
<b>Fatigue Resistance</b>	≥One million turns for usual
<b>Waterproof</b>	No pollutant or water through the inner oil seal in 1000h
<b>Working Temperature</b>	-10℃~+60℃



**Agricultural Hub Units: NPB-H009106**

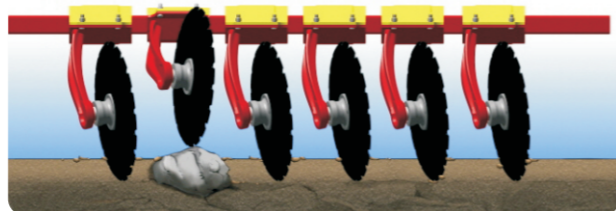
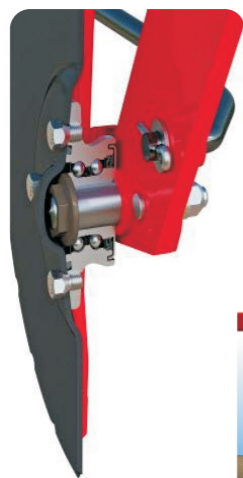
<b>Product Name</b>	Agricultural Hub Units
<b>Product No.</b>	NPB-H009106
<b>Radial Clearance</b>	0.005-0.013mm
<b>Cr</b>	49.4KN
<b>Cor</b>	36.2KN
<b>Lubricating Oil Type</b>	SAE80/90 CL-5
<b>Surface Galvanized</b>	3+Cr
<b>Fatigue Resistance</b>	≥One million turns for usual
<b>Waterproof</b>	No pollutant or water through the inner oil seal in 1000h
<b>Working Temperature</b>	-10℃~+60℃



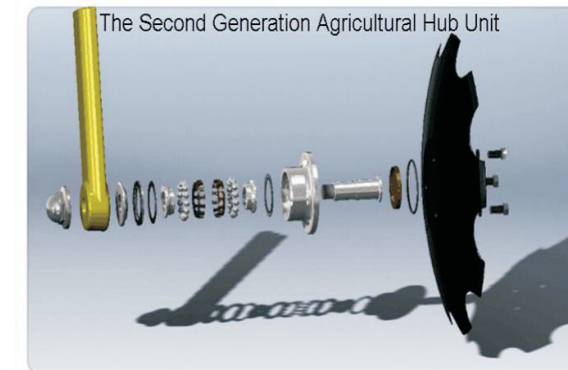
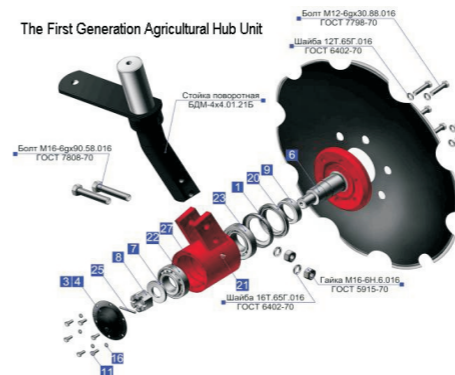


## HUB UNIT Applications

- Tillage Cultivator discs
- Seeding/coulter discs
- Opener discs
- Closing discs



## Our Advantages



### For manufacturer

- A cost-effective solution for warranty, testing and assembling;
- Higher product quality and reliability;
- Improve productivity efficiency;
- Supports sustainability efforts

### For end user

- Long service life;
- Increase farm productivity
- Relubrication-free and reduce environmental impact
- Easy to install and replace

