

## AGRICULTURAL HUB UNITS



日本高導オートメーションテクノロジー株式会社  
会社法人等番号 1309-01-001332



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### Agricultural Hub Units

Through years of cooperation with OEM factories, NIKO 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 NIKO 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

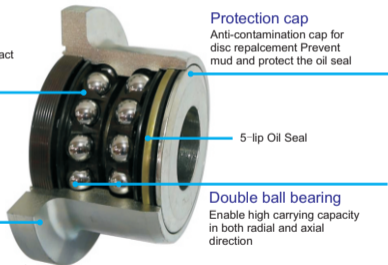
5-lip Oil Seal

#### 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

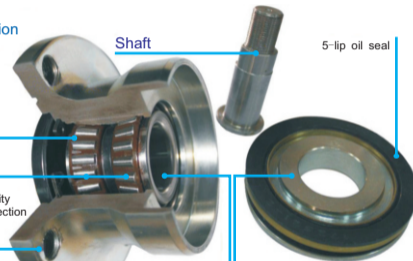
Double row roller bearing  
Enable high carrying capacity in both radial and axial direction

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

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

Shaft

5-lip oil seal



#### Protection cap

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

### Agricultural Hub Unit List

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

### Agricultural Hub Units: NIKO-H001104



<b>Product Name</b>	Agricultural Hub Units
<b>Product No.</b>	NIKO-H001104
<b>Axial Clearance</b>	0.005-0.025mm
<b>Cr</b>	45KN
<b>Cor</b>	39KN
<b>Grease Type</b>	MULTEMP AF-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℃

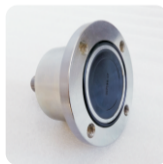
### Agricultural Hub Units: NIKO-H002140

<b>Product Name</b>	Agricultural Hub Units
<b>Product No.</b>	NIKO-H002140
<b>Axial Clearance</b>	0.005-0.025mm
<b>Cr</b>	61.4KN
<b>Cor</b>	51.5KN
<b>Grease Type</b>	MULTEMP AF-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℃



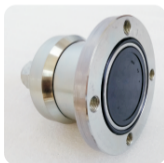
### Agricultural Hub Units: NIKO-H005098

<b>Product Name</b>	Agricultural Hub Units
<b>Product No.</b>	NIKO-H005098
<b>Axial Clearance</b>	0.005-0.025mm
<b>Cr</b>	48KN
<b>Cor</b>	39KN
<b>Grease Type</b>	MULTEMP AF-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℃



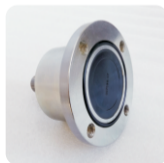
### Agricultural Hub Units: NIKO-H006098

<b>Product Name</b>	Agricultural Hub Units
<b>Product No.</b>	NIKO-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: NIKO-H007098-A

<b>Product Name</b>	Agricultural Hub Units
<b>Product No.</b>	NIKO-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℃



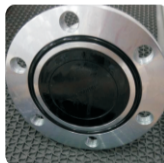
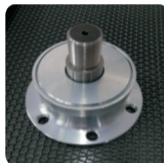
### Agricultural Hub Units: NIKO-H007098-A5

<b>Product Name</b>	Agricultural Hub Units
<b>Product No.</b>	NIKO-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: NIKO-H007098-A6

<b>Product Name</b>	Agricultural Hub Units
<b>Product No.</b>	NIKO-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: NIKO-H008097

<b>Product Name</b>	Agricultural Hub Units
<b>Product No.</b>	NIKO-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: NIKO-H009106

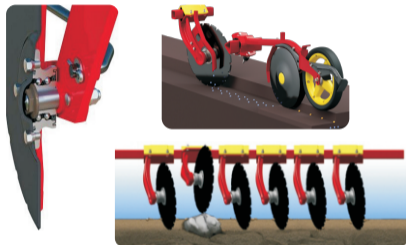
<b>Product Name</b>	Agricultural Hub Units
<b>Product No.</b>	NIKO-H009106
<b>Radial Clearance</b>	0.005-0.013mm
<b>Cr</b>	49.4KN
<b>Cor</b>	36.2KN
<b>Lubricating Oil Type</b>	SAE80/90 CL-5
<b>Surface Galvanized</b>	3+Cr
<b>Fatigue Resistance</b>	≥One million turns for usual
<b>Waterproof</b>	No pollutant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



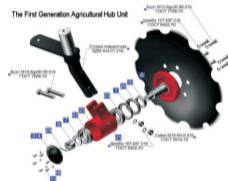


## HUB UNIT Applications

- 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