



CUBO PARA DISCO DE GRADAS AGRI HUB



FABRICACIÓN AL SERVICIO DE LA INDUSTRIA AGRÍCOLA
www.isb-industries.com

AGRICULTURAL HUB UNITS

Through years of cooperation with OEM factories, ISB has accumulated extensive expertise on solutions for agriculture applications, the bearings are usually working in harsh environments with contaminants, 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 **ISB 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 dis-



Hub Unit Diagram 1

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 Diagram 2

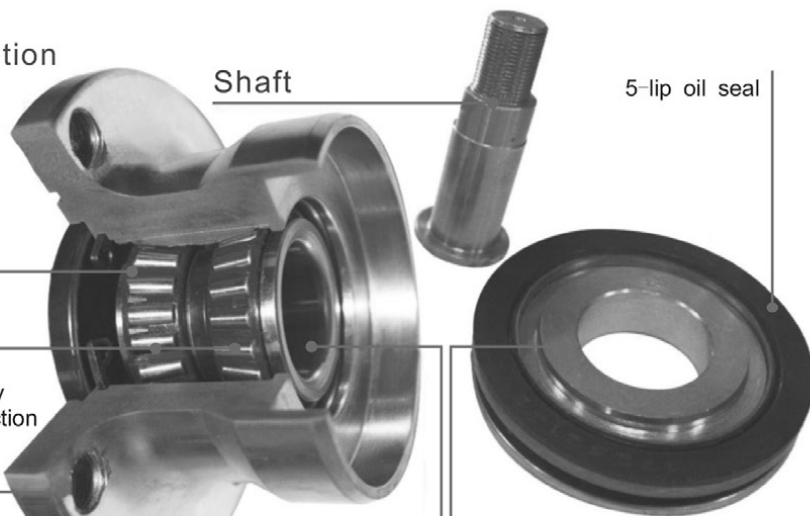
Protection Specification

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

ISB Agricultural Hub Unit List

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

Agricultural Hub Units: ISB H001104



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

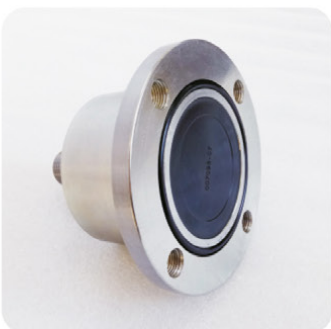
Agricultural Hub Units: ISB H002140

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



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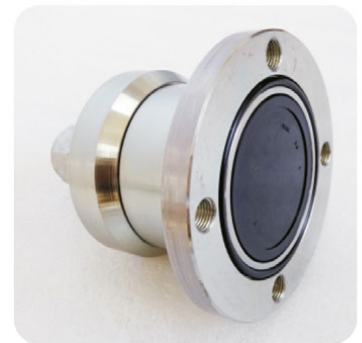
Agricultural Hub Units: ISB H005098



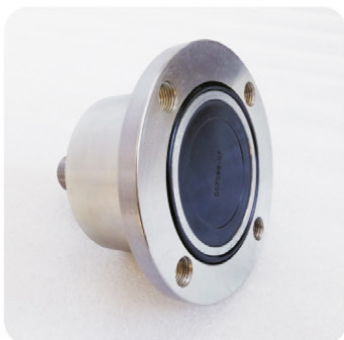
Product Name	Agricultural Hub Units
Product No.	H005098
Axial Clearance	0.005-0.025mm
Cr	48KN
Cor	39KN
Grease Type	MULTEMP AF-1
Surface Galvanized	Fe/Zn12/P1
Fatigue Resistance	≥One million turns for usual
Waterproof	No pollutant or water through the inner oil seal in 1000h
Working Temperature	-10℃~+60℃

Agricultural Hub Units: ISB H006098

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



Agricultural Hub Units: ISB H007098-A



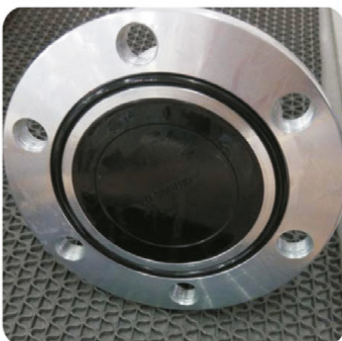
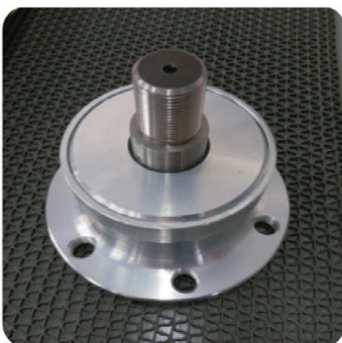
Product Name	Agricultural Hub Units
Product No.	H007098-A
Axial Clearance	0.005-0.025mm
Cr	44.6KN
Cor	34.6KN
Grease Type	MULTRMP AF-1
Surface Galvanized	Fe/Zn12/P1
Fatigue Resistance	Two million turns for usual
Waterproof	No pollutant or water through the inner oil seal in 1000h
Working Temperature	-10°C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

Agricultural Hub Units: ISB H007098-A5

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



Agricultural Hub Units: ISB H007098-A6



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

Agricultural Hub Units: ISB H008097

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



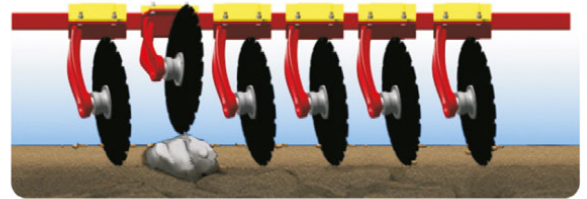
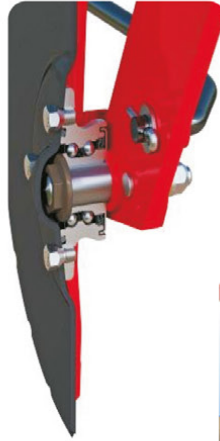
Agricultural Hub Units: ISB H00910



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

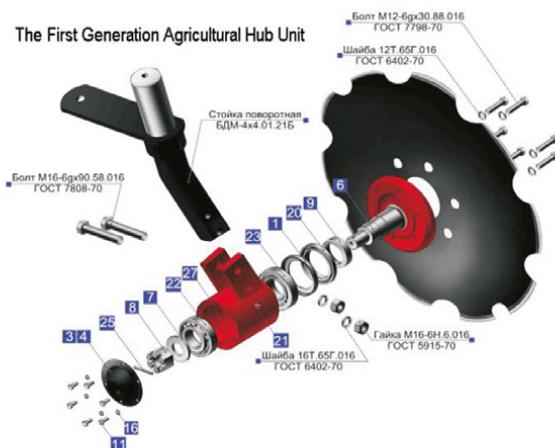
ISB Hub Units applications

Tillage Cultivator discs
Seeding/coulter discs
Opener discs
Closing discs



ISB Hub Units advantages

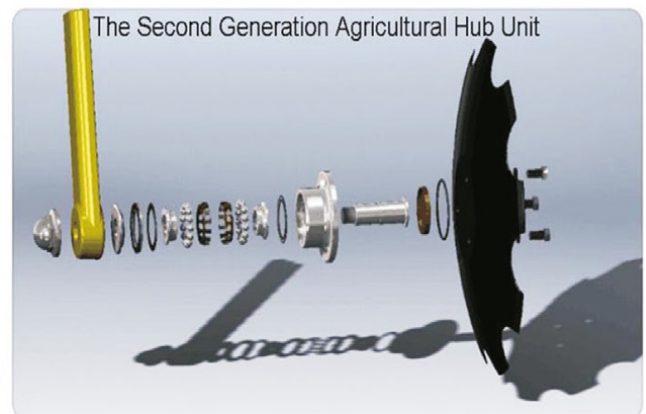
The First Generation Agricultural Hub Unit



FOR MANUFACTURER:

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

The Second Generation Agricultural Hub Unit



FOR END USER:

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





Rodamientos de bolas



Rodamientos de rodillos cónicos



Rodamientos triple sellado



Rodamientos de gradas PDMF
KRR



Casquillos



Rodillos de apoyo,
PWTR, NUTR, NUKR



Rodamientos insertos
Soportes agrícolas y de chapa



Soportes



Rótulas



Coronas agrícolas



Agri Hub



Retenes metálicos,
NBR, vitón, cassette



ISB IBÉRICA
isb@isb-iberica.com

