

Requested by farmers

With up to three times the life of conventional bearings and no need for relubrication, the SKF Agri Hub for independent tillage discs makes the work of farmers easier and more productive, at the same time reducing environmental impact. In fact, many farmers are now requesting that original equipment manufacturers fit the SKF Agri Hub for independent tillage discs to new attachments.



Increases farm productivity by up to 150%*

A high performance sealing system protects the SKF Agri Hub for independent tillage discs from bearing damage caused by string, stones, straw, mud, dust and any kind of fertilizer. During SKF testing, reduced bearing failures enabled the farm to increase productivity by up to 150%.

Reduces ownership costs by up to 30%*

Because the SKF Agri Hub for independent tillage discs requires no relubrication over its lifetime, farmers benefit from reduced lubricant and labour costs. Feedback from the SKF testing showed that as much as half an hour of maintenance time could be saved every day.

*All figures and graphs are rounded off and based on SKF testing estimates. Particular savings and results may vary.

Groundbreaking



SKF Agri Hub for independent tillage discs

- Totally integrated
- Relubrication-free
- Cost-effective
- Now in use by over 50 OEMs worldwide



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Validated by manufacturers

More than 50 OEMs around the world, including North America, are now using SKF Agri Hub for independent tillage discs, a fully integrated hub bearing system, greased and sealed for the life of the unit. These hub units have 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 virtually any implement arm. In addition to enabling manufacturers to offer more value to end users, SKF Agri Hub for independent tillage discs reduces costs for manufacturers of agricultural attachments.

Reduces management costs by up to 90%*

Instead of using several single components, the SKF Agri Hub for independent tillage discs enables you to lower your hub management costs up to 90%! Because the SKF solution is delivered as a complete integrated unit, profitability rises. No more dealing with multiple suppliers for bearings, flanges and seals, and no additional warranty, testing, engineering and assembly costs.



The SKF Agri Hub for independent tillage discs passed every significant test

SKF Agri Hub testing¹⁾

	Passed	Result
Tillage disc field test	✓	+ Productivity
Mud tillage test	✓	+ Productivity
Low temperature test and start up at -20 °C	✓	+ Productivity
Friction test	✓	+ Reduced environmental impact
Corrosion protection test	✓	+ Quality
Water proof test	✓	+ Reduced environmental impact
Air pressure test	✓	+ Reduced environmental impact

¹⁾ based on the SKF tests, the expected performance may be as much as 100 000 hectares

Main features

- **Anti string system flange shape**
- **Anti straw, Arizona dust and stones labyrinth**
- **High performance sealing to prevent water, snow, mud, dust ingress**
- **High capacity bearing with rigid design to withstand shock loads**
- **Plating corrosion (CR VI-free) resistant to jet cleaning and fertilizers**
- **Anti contamination cap for disc replacement**

Typical application conditions

- **Tractor speed: 5–20 km/h**
- **Disc speed: 90–350 r/min**
- **Disc diameter: 300 to 610 mm**
- **Loading: maximum 3 kN (applied on top of the disc)**
- **Temperature: -20 to +50 °C (static -50 °C)**
- **Harsh working conditions: straw, strings, stones, fertilizers, mud, dust, water, snow and jet cleaning**

Mounting instructions

- **Screws mounting torque: 100 Nm**
- **Nut torque: 300 Nm**
- **Self locking nut**

For more information about SKF Agri Solutions for the agriculture industry, contact your SKF representative or visit www.skf.com/agrisolutions

One farmer's experience

Today's market demands increased productivity and respect for the environment. By reducing the farmer's labour costs and lubricant use, the SKF Agri Hub for independent tillage discs enables you to meet both of these objectives while reducing your own manufacturing and warranty costs. Here's how one farmer described his experience:

"My farm requires 40 days tillage a year – 30 in spring to prepare for the maize and 10 in autumn to prepare for the wheat. With the new solution there is no need to wash and lubricate the discs and I save half an hour a day.

The work is done more quickly and easily. We drive at more than 20 km an hour and I have seen an improvement in the way the land is worked: with the old harrow the top speed was 7 or 8 km an hour.

The old 2,5 metre harrow worked one hectare an hour, the new machine, which is still 2,5 metre covers two and half hectares an hour. The old 20 disc harrow required a 20 kilo can of grease each year, with this new solution I've eliminated greasing and washing.

In my job I'm in contact with nature every day and I'm pleased that with the new SKF solution I'm not polluting the land with grease anymore."

