



Cutting grease consumption

Environmental benefits

- Minimised risk of grease leakage into the soil
- Dramatically reduced grease consumption
- Less waste from maintenance activities

Switching just one tillage machine from conventional bearing to a relubrication-free SKF Agri Hub unit would eliminate the need for relubrication, saving up to 9 kg of grease per year.



SKF Agri Hub for independent tillage discs keeps grease out of the fields and helps boost farm productivity

Conventional bearings that allow independent tillage discs to rotate pose challenges to the environment and the farmer's bottom line. That's because conventional bearing designs require regular regreasing – a prospect that drives maintenance costs, reduces farm productivity and risks grease leakages in the field.

The SKF Agri Hub for independent tillage discs offers a much greener, less labor-intensive alternative. Greased and sealed for life, the SKF Agri Hub is a fully integrated hub bearing system that eliminates the need for regreasing. The unit features a high performance, integrated seal design that keeps the lubricant in the bearing while keeping harsh contaminants out.

Less environmental impact and longer service life

SKF calculations show that replacing a conventional disc harrow bearing with the SKF Agri Hub unit will eliminate the use of up to 9kg of grease per year.

In addition to protecting fields from potential grease leakages, the SKF Agri Hub's robust design also extends the unit's service life by up to three times compared to a conventional bearing, cutting the environmental impact of new manufacturing and disposal by up to two-thirds.



SKF BeyondZero solutions can help reduce CO₂ emissions, preserve limited resources and protect the environment from the use and spread of toxic substances. For more details, including documentation of reduced environmental impact, visit [beyondzero.com](https://www.skf.com/beyondzero).



SKF Agri Hub for independent tillage discs

Relubrication-free, integrated solution increases farm productivity

Suitable for most agricultural implement arm arrangements, the SKF Agri Hub for independent tillage discs is a robust, easy-fit hub sealing solution.

The unit features a flanged outer ring that is pre-drilled and tapped to accommodate a disc. A stationary inner ring is fitted with a threaded stub shaft for easy mounting onto virtually any implement arm.

Field- and lab-tested performance

Extensive field and lab tests reveal that SKF Agri Hub for independent tillage discs offers several benefits. With no need for regreasing, SKF Agri Hub units enable a dramatic reduction in lubricant consumption compared to conventional bearings (→ **diagram 1**).

Grease saving example

Disc harrow fitted with SKF Agri Hub for independent tillage discs versus disc harrow fitted with conventional hub bearing assembly

Assumptions

- 60 disc harrow
- Conventional bearing regreasing interval is 100 operational hours
- Estimate 30g of grease per hub regreased (based on typical manual regreasing practices)
- 500 operational hours per year (15 km/h x 7,5 m width x 500 hrs = 500 hectares)

Results*

	Per hub/year	Per harrow/year
Grease saving compared to conventional tillage disc bearing assembly	150g	9 000g

*Results based on typical tillage working practices.

Operational features

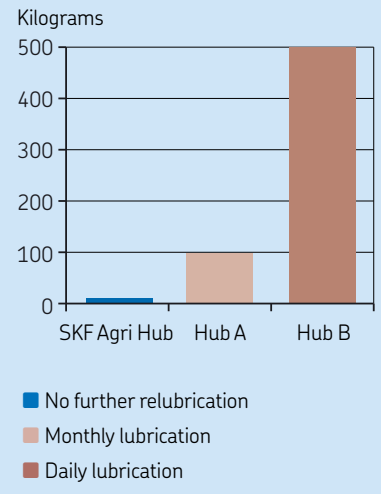
- Anti string system flange shape
- Anti straw, Arizona dust and stones labyrinth
- High performance sealing to prevent water, snow, mud and dust ingress
- High capacity bearing with rigid design to withstand shock loads
- Plating corrosion (CR VI-free) resistant to jet cleaning and fertilizers
- Anti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

Operational benefits

- Increase farm productivity by up to 150%
- Relubrication-free
- Reduced environmental impact
- Easy to install/replace

Diagram 1

Lubricant consumption (10 yr life cost/machine)



See publication *Increase farm productivity with SKF Agri Hub for independent tillage discs* (PUB 46/S7 10259/1) for further details.

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