

**ADVANTAGES OF THE NEW
GENERATION OF BDM
ARMOR 2.0 HUBS**

The radius of the holder base has been reduced to make the hub more streamlined by the soil and eliminate the effect of the soil being pressed into the hub.

The cross-sectional area of the two adapter brackets in places of tension concentration is increased by 41%, and therefore the permissible moment of resistance to bending of the brackets is increased by 60%. This allows you to solve the problem of adapter unbending and breaking even under severe overload conditions.

An additional double lip seal is installed in front of the cassette seal, which prevents soil from directly entering the cassette seal and significantly increases the service life of the hub.



Providing the Best Solutions



**MORE
POWERFUL!**

**REVOLUTIONARY
HUB BDM ARMOR 2.0**

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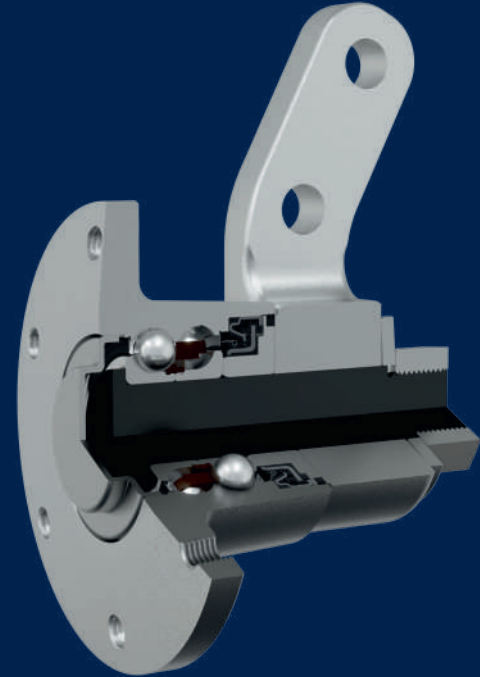
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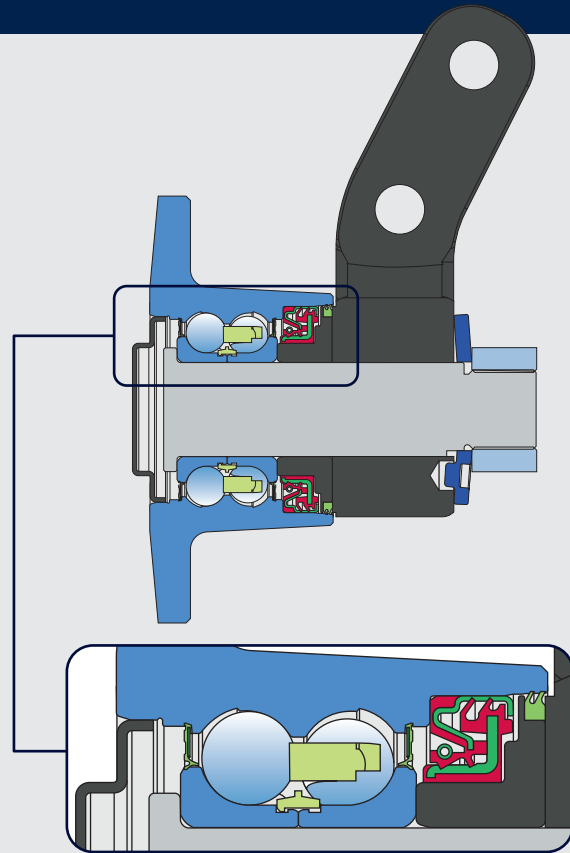


THE NEW FKL HUB WITH A **MORE POWERFUL** HOLDER FOR THE DISC ARM OF BDM MACHINE TYPES.



INNER DESIGN

- ▶ Double row angular contact ball bearing
- ▶ Integrated flange offers the possibility of using larger ball diameter
- ▶ Maintenance-free bearing for independent discs
- ▶ Dirtblock seal hermetically pressed to the flange
- ▶ The metal sheet cover hermetically fitted to the disc side of flange
- ▶ Flange and holder made from forging



SHEET METAL SHIELD + RS SEAL / RS SEAL + DIRTBLOCK SEAL + DOUBLE LIP SEAL + FORGED COVER PLATE

SEALING ADVANTAGES

- ▶ Labyrinth design of Dirtblock seal with spring maximally protects the bearing from dirt particles intrusions
- ▶ Inside of Dirtblock seal completely filled by grease
- ▶ Additional RS seal on both sides
- ▶ The space between Dirtblock seal and RS seal is also filled by the grease
- ▶ The seal design allows the hub operating in very harsh condition, for any type of soil

MOUNTING ADVANTAGES

- ▶ Increased shaft loading rate due to increased cross section
- ▶ The washer has the function of a disc spring, which prevents the nut from unscrewing
- ▶ The disc spring and the holder ensure high accuracy of the hub installation on the machine
- ▶ The washer locks the hub while tightening the nut and provides 8 tons of axial force
- ▶ The hardened washer has higher strength that prevents holder's surface deformation caused by the nut torque pressure



ADVANTAGES OF AGRO POINT HUB WITH SOLID FORGED HOLDER

- ▶ Agro point hub is maintenance-free product
- ▶ Quality and stable production and assembly process guarantees longer hub's life span
- ▶ 100% control of axial clearance in production
- ▶ 100% nut tightening torque control at assembly
- ▶ Elimination possibility of improper mounting of the bearing inside the flange and/or shaft, that presents a frequent problem at using of standard bearing solution
- ▶ Precisely made forged holder provides higher strength and reliable hub mounting compared to the welded one
- ▶ The absence of welded joints ensures the high accuracy of all assembly parts.
- ▶ The holder provides perfect protection of the hub instead of standard cover plate
- ▶ No clearance setting, technical maintenance and repair no needed
- ▶ Easy hub replacement
- ▶ Smaller size and weight (6.1 kg)