



BEARINGS FOR AGRICULTURAL MACHINERY





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In agriculture, like in all industries, there are growing demands on the machines and the comfort of their operation. The result is the growing demand on equipment parts and bearings as well.

Increase of efficiency in agriculture changed the work habits. Decrease of the manual work, mechanization of various activities, increased performance of machines and equipment enabled processing of heavier objects, cultivation of larger areas. Naturally, larger forces needed for the operation are also applied on the devices equipped with ZVL bearings.



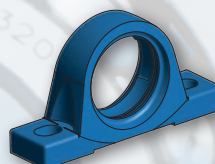
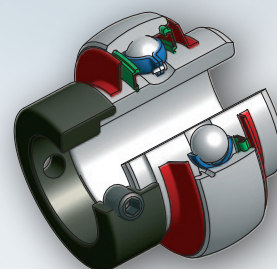
BEARING RANGE

ZVL SLOVAKIA, a. s. is a traditional supplier of bearings for agricultural machinery. The majority of the deliveries for agricultural industry consist of:

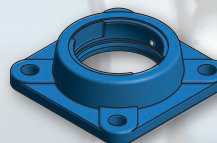
- **Insert ball bearings UC, UA, UE, UD** – mounted into housings or sold separately
- **Bearing housings** – SG pillow block units, FG flanged housing units
- With regard to the production efficiency **other bearing housings** can be delivered on demand

The bearings are filled with quality grease with operational temperature from -20°C to 120°C. Lubrication holes allow refilling of the grease. Rolling space of all insert ball bearings is protected by rubbered seal. The UC, UA bearings have also a metal shield, which is fixed on the inner ring and protects the seals from mechanical damage caused by outer dirt.

Insert ball bearings with housings are used because of their capability to accommodate eventual axial misalignments of the shaft ends in various lifting machinery carried by tractors.



Bearing housing – type SG

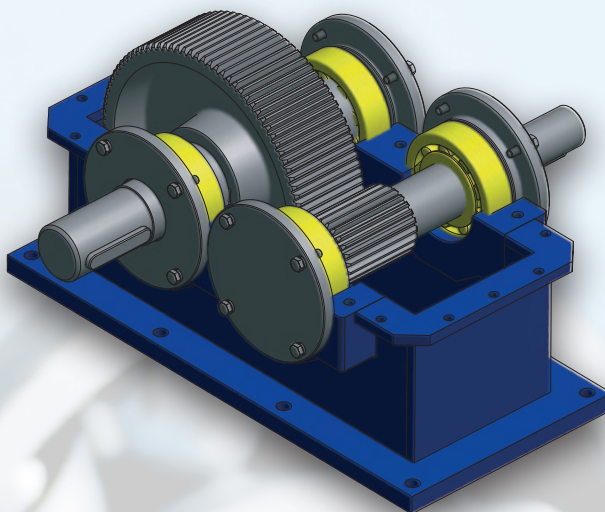


Bearing housing – type FG



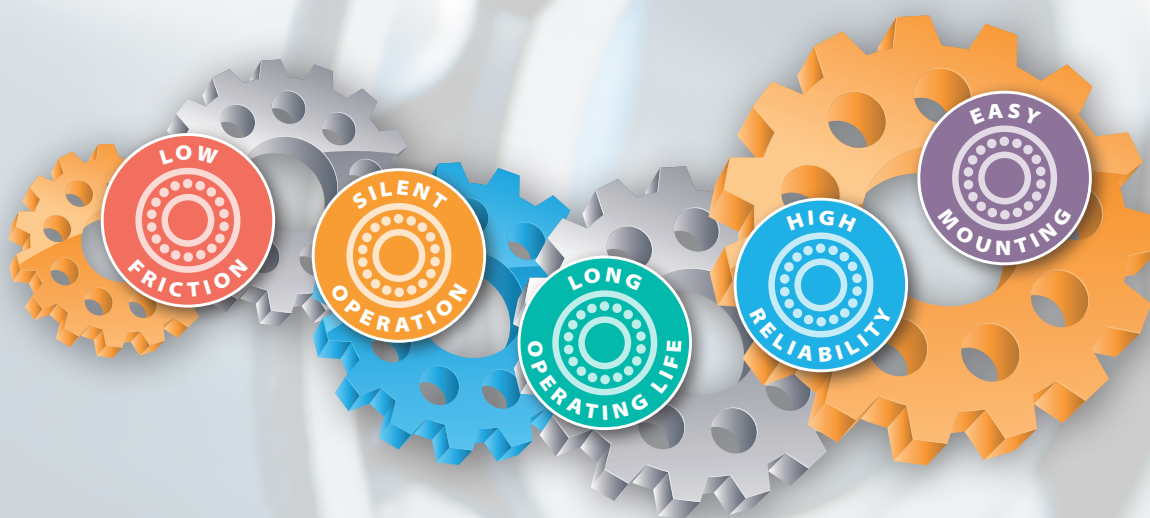
BEARINGS FOR CONVEYORS AND TRANSMISSIONS OF AGRICULTURAL MACHINERY

Bearings for various special arrangements in agricultural machinery are also part of the range. ZVL SLOVAKIA delivers a wide range of ball bearings with emphasis on the sealing of the rolling space. ZVL bearings are used in arrangements of **horizontal and vertical conveyors, worm conveyors, various auxiliary transmissions, plough – harrow discs and other applications.** Wide range of double row spherical roller bearings is delivered for transmissions of tractors and other agricultural machinery.



Example of ZVL bearings in a transmission of an agricultural machine:

ADVANTAGES OF ZVL INSERT BALL BEARING UNITS



SPECIAL BEARING APPLICATIONS FOR AGRICULTURAL INDUSTRY

ZVL SLOVAKIA is preparing stainless steel bearings for particularly aggressive environment as well as bearings adjusted to the demands of customers for special arrangements with higher precision of surfaces inside the bearings.





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