

# FKL<sup>®</sup>

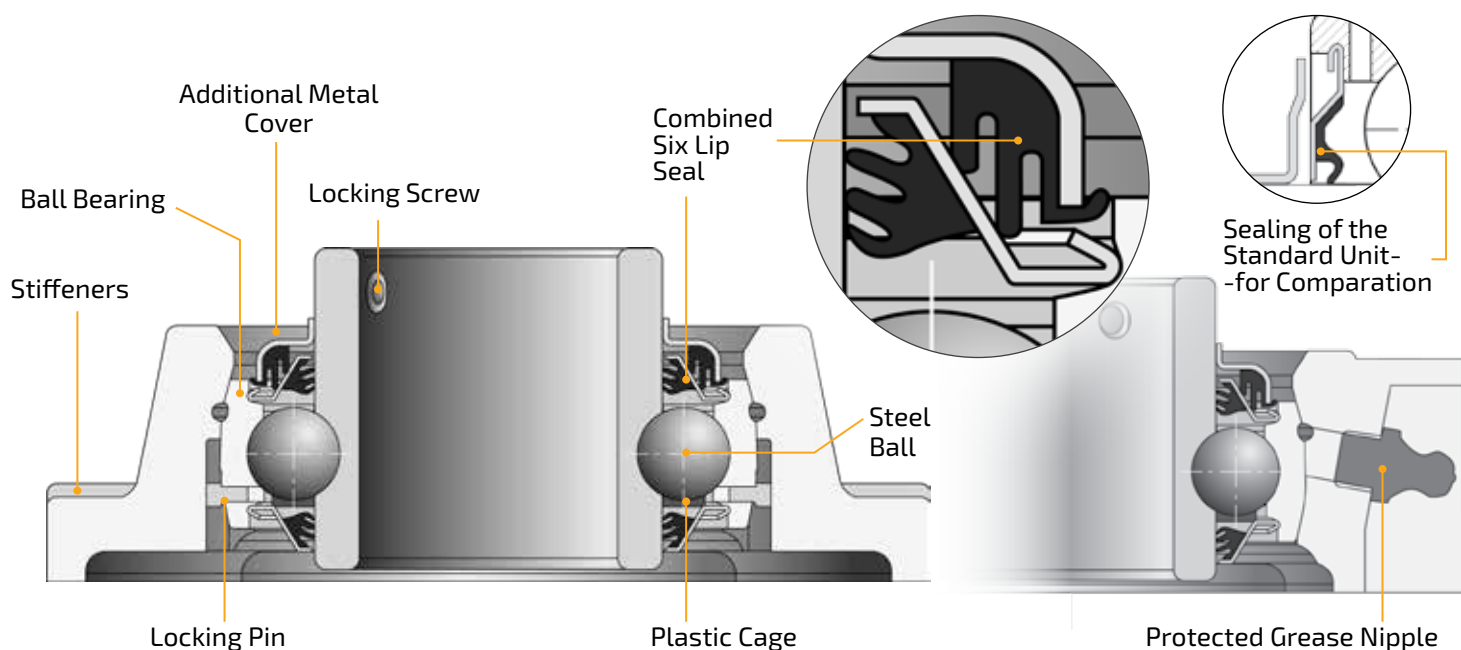


BEARING UNITS  
PREMIUM CLASS  
**ARMOR**

[www.fkl-serbia.com](http://www.fkl-serbia.com)

# 10 ELEMENTS OF MAXIMUM PROTECTION OF **ARMOR** UNITS

- 1 Housing made from Ductile Cast Iron has a two and half times bigger tensile strength than housing made from standard Grey Cast Iron;
- 2 Mechanical protection of the grease nipple (Iron Arc) provides working without its damage, plastic cap prevents penetration of impurities in the nipple;
- 3 Groove for the bearing mounting is facing to the base side of the housing which significantly decreases contact of the bearing with mud and other impurities from upper side;
- 4 Additional stiffeners of the mounting holes;
- 5 Zinc-coated housing, Iron Arc and inner ring of the bearing – better protection from corrosion;
- 6 Unique combination of six-lip sealing by upper side of the bearing and triple-lip sealing by inner side presents today the best sealing system for application in agricultural machinery;
- 7 Additional metal cover with thickness of 1 mm provides reliable mechanical protection;
- 8 Two lubrication holes on outer ring of the bearing;
- 9 Lubrication grooves are provided on housing and on the bearing outer ring as well;
- 10 Locking pin on outer ring of the bearing prevents its swiveling and makes sure that one lubrication holes is always facing the nipple.

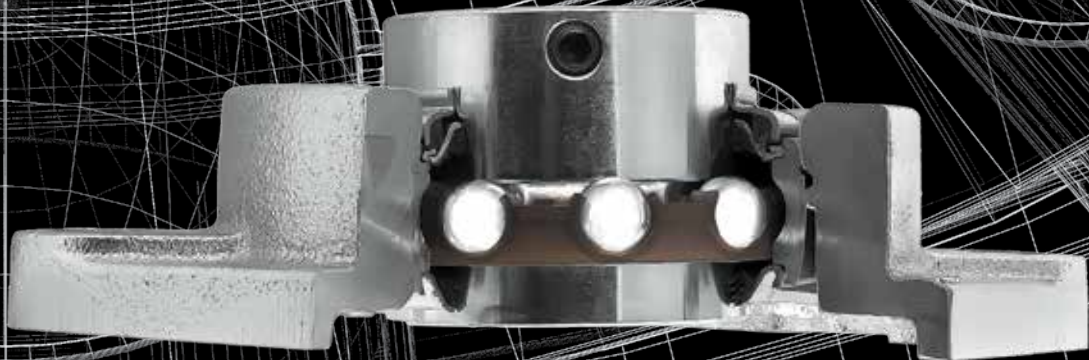


## ADVANTAGES OF PREMIUM CLASS:

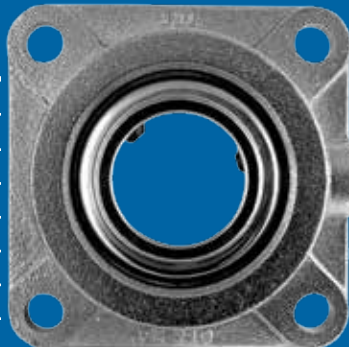
- The best solution for modern agricultural machinery;
- Designed to operate in the most difficult working conditions;
- Unique sealing system;
- Re-lubrication is not required in the first two years of ARMOR unit exploitation;
- Made in Serbia.

# ARMOR

ZINC COATED  
HOUSING FROM  
DUCTILE CAST IRON



| Inner diameter (d) | Designation  |
|--------------------|--------------|
| 30 mm              | LEFG 206 TDT |
| 35 mm              | LEFG 207 TDT |
| 40 mm              | LEFG 208 TDT |
| 45 mm              | LEFG 209 TDT |
| 50 mm              | LEFG 210 TDT |
| 60 mm              | LEFG 212 TDT |
| 70 mm              | LEFG 214 TDT |



## WHY ARMOR?

- Revolutionary design provides greater durability and "life-span" of the Unit;
- ARMOR units are already passed testing in the hardest possible working conditions.

| ELEMENT OF DESIGN                           | STANDARD UNIT                              | PREMIUM CLASS UNIT ARMOR                                   | ADVANTAGES OF ARMOR USAGE  |
|---|--|--|--|
| Sealing on outer side                       | One-lip seal                               | Six-lip seal   | 6 times more reliable protection from impurities, dust and soil  |
| Sealing on inner side                       | One-lip seal                               | Triple-lip seal  | 3 times more reliable protection from impurities, dust and soil  |
| Additional metal cover                      | ×  | Thickness 1 mm   | Protection from stone, straw, other hard things and mechanical damages                                   |
| Housing material                            | Grey Cast Iron                             | Ductile Cast Iron  | Increased resistance on impacts and vibrations, two and half times increased tensile strength            |
| Zinc-coating of all exposed parts           | ×  | Housing, Inner Ring of the Bearing, Iron Arc               | Several times more efficient corrosion protection  |
| Mechanical protection of grease-nipple      | ×  | Ductile Cast Iron Arc                                      | Iron Arc protects grease-nipple from mechanical damages and crop residues                                |
| Additional Lubrication Grooves              | One groove on inner surface of the bearing | Two grooves: one on housing, the second one on the bearing | Grease penetration is two times more effective   |
| Additional Lubrication holes on the bearing | One lubrication hole                       | Two lubrication holes                                      | Grease penetration is two times more effective   |
| Mounting "pockets"                          | On outer side of the housing               | On inner side of the housing                               | "pockets" on inner side of the housing exclude the bearing contact with impurities from its working side |
| Mounting holes                              | Standard holes                             | Additional stiffeners of the mounting holes                | Possibility of mounting holes breakage is significantly decreased  |
| Locking pin for bearing fixing              | ×  | On outer ring of the bearing                               | Locking pin provides centering of grease holes and prevents deflection of the bearing as well            |



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