



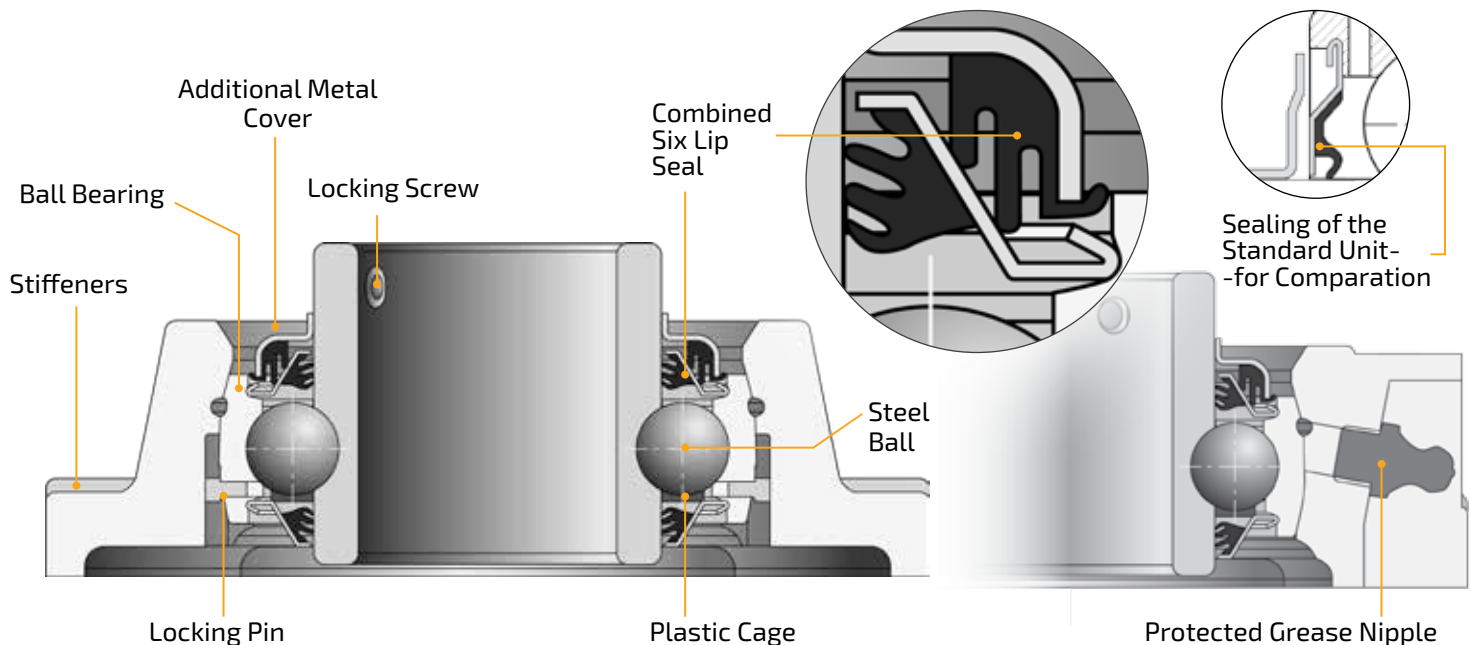
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BEARING UNITS  
PREMIUM CLASS  
**ARMOR**

[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.

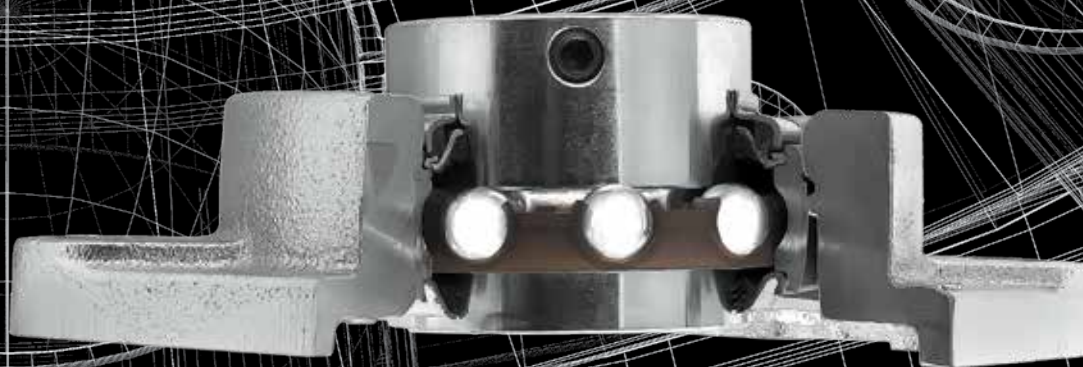


## ADVANTAGES OF PREMIUM CLASS:

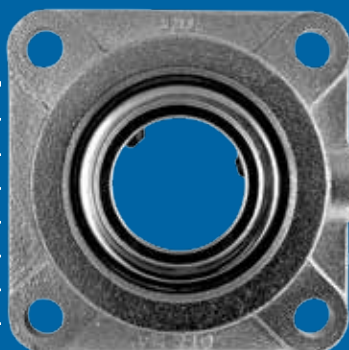
- The best solution for modern agricultural machinery;
- Designed to operate in the most difficult working conditions;
- Unique sealing system;
- Re-lubrication is not required in the first two years of ARMOR unit exploitation;
- Made in Serbia.

# 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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