

## Durafosf<sup>®</sup> (Coating in amorphous carbon)

### Features:

Colour: shiny black

coating structure

coating with iron oxides with tungsten content.

thickness

0-0.5 micron.

80% friction reduced in comparison with the application steel / steel.

Hardness: >1 400 HV.

### Advantages / benefits

- Higher resistance to wear and tear thanks to the high hardness
- friction reduced
- Perfect for components exposed to strong stresses
- High wear-free protection

### applications

- Rolls and balls for bearings
- Internal and external rings for bearings
- Bearings assembled up to 500mm



## Durafost® Z (Zinc phosphate base)

### Features

Colour: grey

coating structure  
zinc phosphate

thickness  
3 - 8 micron

### Advantages / benefits

- Anticorrosion protection, up to 100 hours against the development of red rust (test in saline mist in compliance with DIN EN ISO 9227).
- Prevention from corrosion in the bearing's place
- Friction reduced.

### applications

- Tapered rolling bearings
- Large-dimension bearings
- Parts of weapons
- Rolling bearing cages



## Durafost<sup>®</sup> M (Manganese phosphate base)

### Features

Colours: grey / black

coating structure  
manganese phosphate

thickness  
1 - 5 micron

### Advantages / benefits

- Fluidity improved.

### applications

- Coating of rolls of bearings
- Steel plate cages
- Adapter sleeves
- Gears
- Parts of weapons
- Springs
- Linear guides
- Bevel gears.



## Durafosf<sup>®</sup> 700 (PTFE polymer coating)

### Features

Colour: shiny black

coating structure

PTFE polymer coating

thickness

8-20 micron.

### Advantages / benefits

- Friction coefficient on the external ring of the bearing <0.1.
- Anticorrosion protection in dry conditions, up to 500 hours to fight the development of red rust (test in saline mist in compliance with DIN EN ISO 9227).

### applications

- Coupling rolling bearings.
- Magazines of firearms
- Parts of weapons.

