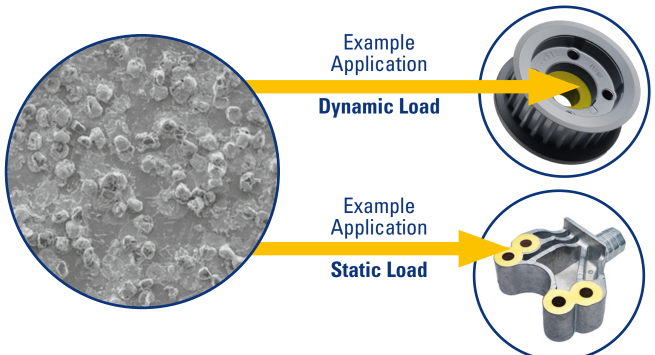
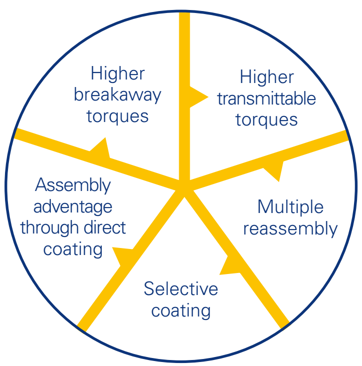
FRICTION-ENHANCING COATINGS

for higher breakaway and transmittable torques

Nickel coated diamonds applied by atmospheric plasma spraying





Friction Coefficiant up to µ=0.7

COATING OFFER

Technology independent

- Development partner for your high-performance coatings
- Advanced concepts for automation and industrialization of the coating process
- Mid- and high volume production
- Full customer service including packaging, logisitcs and transport

ISO 9001 · ISO 14001 · IATF 16949 CERTIFIED

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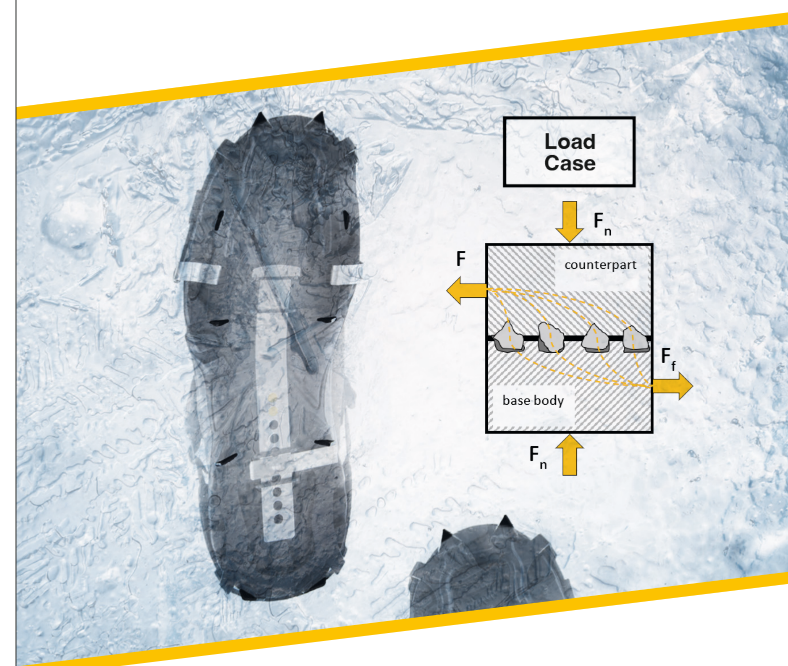
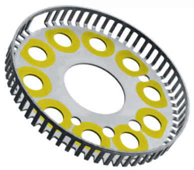
Innovation in Motion Miba

GRIPCOAT® DIRECT

For Increased Torque Transfer

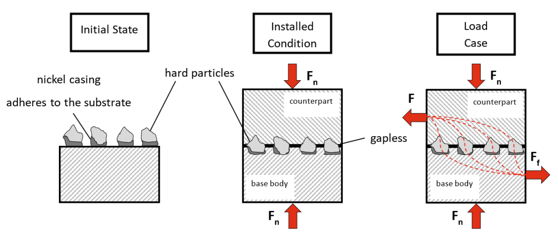


TECHNOLOGIES FOR A CLEANER PLANET



GRIPCOAT® Direct

Application:

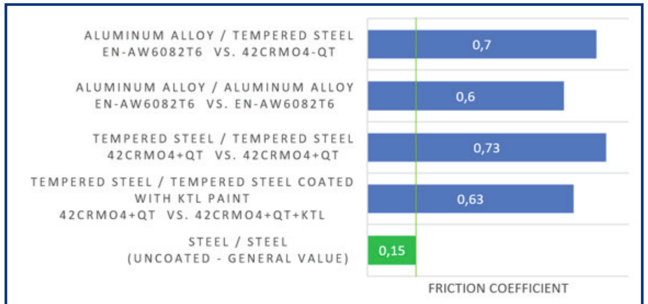


Microlocking Effect

Examples of Selective Coating:

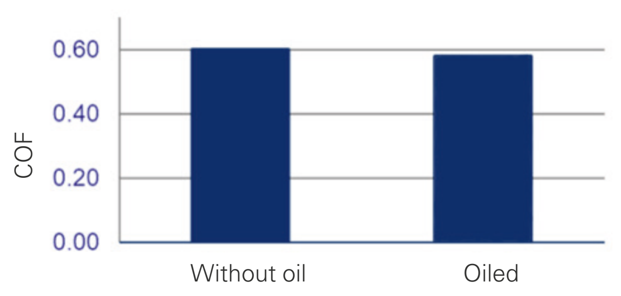
Multiple Reassembly

Material pairings / friction coefficients



MATERIAL	HARDNESS
EN-AW6082T6	~105 HV
42CRMO4-QT	~220 HV

Comparison of friction coefficients



No effect through surface contamination (eg. oil, dust) on performance due to micro locking.

ADVANTAGES

PERFORMANCE

- Transmission of higher torques
- No risk of fretting
- Reduction of operating vibration
- Friction factor coefficiant up to μ=0.7

PROFITABILITY

- Selective coating for for loaded area
- Simpler and faster assembly due to direct coating
- Multiple reassembly

ENVIRONMENTAL SUSTAINABILITY

- Solvent and chemical free process
- No additional parts due to direct coating
- Lower weight reduces carbon emissions

LIGHTWEIGHT CONSTRUCTION

- Higher torques through smaller components
- Reduced design space
- Simple design due to direct coating
- Usage of lightweight composite materials