



ecosyn[®]-lubric

BOSSARD



- Simple
- Clean
- Safe
- Economical



Simple

Apply the screw, turn it really tight – finished!

- No elaborate lubricating procedures
- No risk of «pitting» when using stainless steel screws
- Easy to dismantle



Clean

The lubricant is right there where it's supposed to be!

- No dirt on components or polluted lubricating compounds
- Clean work conditions
- No special disposal needed for empty packaging

Tribological dry coating

Do you still get greasy when lubricating?

Tribological dry coating is a solution system for mechanically-loaded fasteners and components (screws, nuts, washers).

The coating is a non-electrolytically applied thin-layer film with integrated lubrication properties and an additional corrosion protection.

The so-called anti-friction coatings are touch-dry solid film lubricants which, in terms of their formulation, are similar to conventional industrial varnishes.

Bossard ecosyn®-lubric, available in black and silver, guarantees constant friction coefficients and contributes to an additional simplification of the assembly processes.



Safe

The lubrication is an integral part – and can never get lost!

- lubrication is never forgotten
- defined lubrication circumstances in multiple assemblies
- maintenance with the correct lubrication



Economical

Costs are dramatically reduced!

- short assembly times
- long operation times
- simple handling without need for lubrications

Work & environmental protection

- No protective measures against skin contact
- No additional disposal requirements

Conformity with EU directives

- RoHS 2011/65/EU,
- WEEE 2002/96/EG, 2003/11/EG,
- REACH 2006/1907/EC

The safety in fastening technology requires a correct specification of the surface coating and the lubrication status.

For a hexagonal screw with surface protection, galvanized blue:

**Hex cap screw DIN931 – M12x60
– 8.8 – galvanized blue –
ecosyn®-lubric Silver**



Lubrication of the application surface

Lubrication of the thread area

Corrosion protection



- Corrosive attacks on the thread or on the application surface impair the solubility behaviour after a certain period in operation
- various material combinations, high operational temperatures and moisture reinforce seizure and accelerate corrosion
- appearance and condition are crucial for critical fasteners

Friction coefficient

The frictional coefficient examination is an integral part of Bossard Analytik – the certified testing and measurement laboratory, which functions according to ISO/IEC 17025.



STS 370

- The friction coefficient is, above all, influenced by the combinations of work materials, the application surfaces and their lubrication condition
- knowledge of the friction coefficient together with the relationship to the «torque-preload force» is a prerequisite for safety in assembly
- friction coefficients as per ISO16047 / DIN946 can be checked in the certified Bossard Analytik testing and measurement laboratory

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