

**BOSSARD**

Proven Productivity



---

ecosyn<sup>®</sup>-lubric



## 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<sup>®</sup>-lubric, available in black and silver, guarantees constant friction coefficients and contributes to an additional simplification of the assembly processes.

Subject to change without notice. Please refer to your local Bossard E-Shop for the current assortment and dimensions. Other variants upon request.

## 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

## Safe

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

## Clean

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

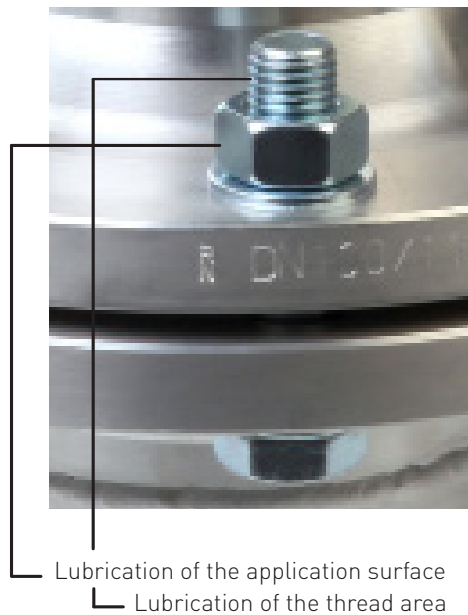
## Conformity with EU directives

- 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



## 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 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

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

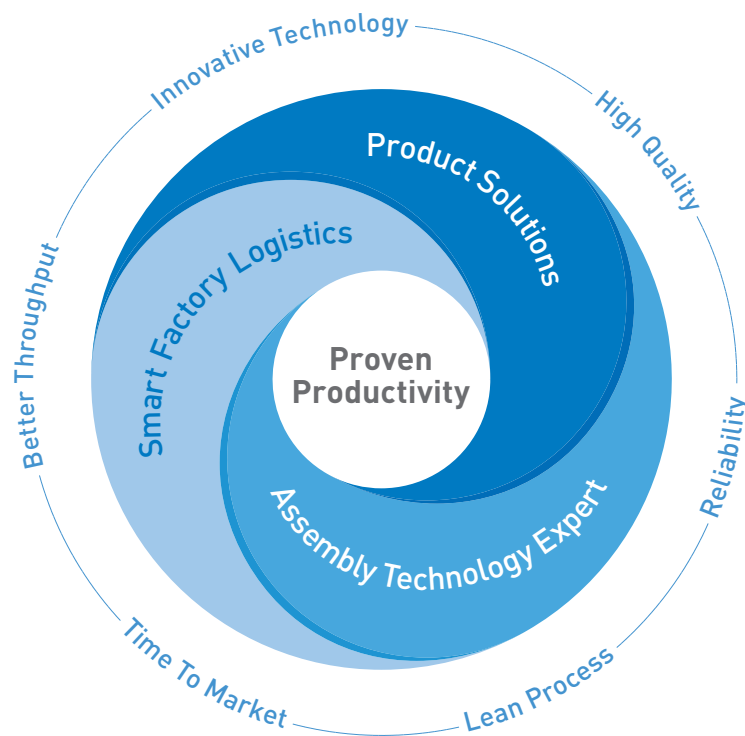


STS 370

## PROVEN PRODUCTIVITY – A PROMISE TO OUR CUSTOMERS

# The strategy for success

---



From years of cooperation with our customers we know what achieves proven and sustainable impact. We have identified what it takes to strengthen the competitiveness of our customers. Therefore we support our customers in three strategic core areas.

Firstly, when finding optimal **Product Solutions**, that is in the evaluation and use of the best fastening part for the particular function intended in our customers' products.

Second, our **Assembly Technology Expert** services deliver the smartest solutions for all possible fastening challenges. Our services cover from the moment our customers developing a new product, to

assembly process optimization as well as fastening technology education for our customers' employees.

And thirdly, optimising our clients' productions in a smart and lean way with **Smart Factory Logistics**, our methodology, with intelligent logistics systems and tailor-made solutions.

Understood as a promise to our customers, "Proven Productivity" contains two elements: Firstly, that it demonstrably works. And secondly, that it sustainably and measurably improves the productivity and competitiveness of our customers.

And this for us is a philosophy which motivates us every day to always be one step ahead.

---

[www.bossard.com](http://www.bossard.com)