

FAHRION [®]
PRÄZISION
And all runs smoothly.

PH HORN PH
Excellence in Technology



Collets with FAHRION|Protect
Anti-Corrosion Coating

A close-up photograph of a metallic collet, a precision tool used in machining. The collet is shown with a blue protective band wrapped around its middle section. The top and bottom sections are made of polished metal and are covered in numerous small water droplets, suggesting a wet environment. The background is a dark blue gradient with larger, out-of-focus water droplets, creating a sense of moisture and corrosion protection.

Corrosion-protected.

Even though many users are not aware of it – rust on collets is a serious problem. It shortens life-time of your valuable tools and leads to significant loss of precision. Therefore, we have now developed FAHRION|Protect: a pioneering technology which protects collets from corrosion in the long term.

FAHRION|Protect

Stops corrosion. Solves the problems.

The comparison with conventional unprotected collets shows: Without a coating, the collet is affected by corrosion in a short time – whether by humidity, cooling lubricant, cleaning solutions, salts or gases. This does not only affect the collet but also your complete system.

FAHRION|Protect optimizes your work in many ways:

High precision in the long term

- ♥ The nominal geometry between the collet and the taper seat in the chuck is maintained for a long lasting permanent surface contact without corrosion-related irregularities.
- ♥ The parts in manufacturing stay longer in the specified tolerances. The number of faulty parts decreases.
- ♥ You can keep production processes longer on a high level, you can save time and you can also guarantee short terms of delivery.

Longer life-time of your tools

- ♥ A higher concentricity extends the tool lives. Thus, you save time and money by reducing set-up times.

Longer life-time of the collets

- ♥ Collets have to be replaced less frequently or can be used longer for precision applications.



Two collets each after 4 months of use: The left one without coating – the right one with FAHRION|Protect

Longer service life of the machine spindles

- ♥ Less imbalance on the tools relieves the machine spindle permanently – your maintenance costs will be reduced.

Less environmental impact

- ♥ Longer service life saves valuable resources.

For this reason, coated collets by FAHRION are corrosion protection, quality protection, investment protection and environmental protection all in one.

Looking for a complete solution? You have found it with FAHRION!

We give everything for your success.

With the coated precision collets and the high precision collet chuck CENTROJP by FAHRION you do not only rely on a solution which provides more precision, safety and productivity. You also benefit from high technology "Made in Germany" which convinces by a variety of additional features.

- ♥ **Ultimate concentricity**
- ♥ **Extremely high holding forces**
- ♥ **Vibration dampening design**
- ♥ **High stiffness of the system**
- ♥ **High balancing quality for HSC-applications**
- ♥ **Wide product range with solutions for every demand**

FAHRION precision collets combined with the high precision range FAHRION CENTROJP result in a perfectly balanced overall system.

For all FAHRION solutions: With our standard, we offer a level of quality that is usually found only in expensive premium ranges. With the easiest assembly and the highest user friendliness. This will pay well for you in the long term.



**Everything fits:
FAHRION offers
flexible systems for a
variety of challenging
tasks.**

Get in touch with us to learn more. We will be happy to advise you at your premises. Or arrange an appointment in the FAHRION Technology Centre where you can test all our solutions extensively.

Learn more:
www.fahrion.de/protect
Phone +49 7184 9282-0

An innovation which makes your work even better: Corrosion protection of the functional surfaces in the μ -range

Ultra-thin. Highly effective.

FAHRION|Protect goes beyond all standards that you know in corrosion protection of clamping tools. Many clamping tools are not protected at all. With others, the corrosion protection is limited to the visible areas only. Or with cutting tools with insert pockets, only an accuracy of about 0.01 mm is required.

FAHRION is the first manufacturer to offer a coating of the functional surfaces in the μ -range – over its complete and finely tuned product range. FAHRION|Protect conserves FAHRION collets effectively from external influences and preserves their functionality and precision for a longer time. That is how FAHRION shows once again in an impressive way how advanced technology can be brought to the market as an integrated customer solution.

The new technology is established in the FAHRION factory and integrated in the production process. This means: no matter in which field or which type of collets you use – you can benefit from the new technology in any case.



FAHRION sends a signal – with a strong shield against corrosion.

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FAHRION offers a wide selection of precision collets, precision collet chucks as well as precision products for workpiece clamping which fulfil maximum requirements in terms of concentricity, service life and manufacturing quality. In doing so, FAHRION pays particular attention to user-friendly technology oriented towards the practical requirements of the users, which is constantly advanced.

The latest catalogue information is available
at any times at www.fahrion.de

FAHRION Vertriebs-GmbH
Forststraße 54
73667 Kaisersbach
Germany

Phone +49 7184 9282-0
Fax +49 7184 9282-92
info@fahrion.de
www.fahrion.de

Horn USA, Inc.
320 Premier Court, Suite 205
Franklin, TN 37067
USA

Phone +1 888 818-4676
Fax +1 615 771-4101
info@hornusa.com
www.hornusa.com