

BÖLLHOFF

HELICOIL® with Primer-Free® 2

The well-established thread technology
with new surface coating





Strength and precision at their best

HELICOIL® is thread reinforcement. Threads are reinforced whenever low-strength materials (e.g. aluminium, aluminium-magnesium alloys and fibre-reinforced plastics) are used. The nut thread is wear-resistant even in cases of frequent use. HELICOIL® allows miniaturisation and lightweight construction for the development of production parts. The HELICOIL® thread inserts have been tried and tested for 65 years and have become a widely used structural component. They create high-strength, heat- and wear-resistant threads. The forces are transferred from flank to flank into the pilot thread. We currently distinguish between two main variants: the HELICOIL® Plus and the HELICOIL® Tangfree.

With the optimised design of the first coil, thread inserts of the HELICOIL® Plus product family can even be screwed in like a screw.

HELICOIL® Tangfree* thread inserts are installed without a tang. So you do not have to break off and remove the tang. HELICOIL® Plus and HELICOIL® Tangfree are available in Free Running and Screwlock versions.

An additional plus of our system solution is the combination of thread inserts and matching installation tools.

We now offer another innovation on all levels:

Primer-Free® 2: the new surface coating

Primer-Free® 2** protects your magnesium or aluminium components against galvanic corrosion. The resin-bonded, Teflon® impregnated fluoropolymer coating ensures an even, electrically insulating coating and thus overall protection against galvanic cell formation.

Simply install stainless steel HELICOIL® thread inserts with Primer-Free® 2 coated surface into holding materials such as aluminium and magnesium. Primer-Free® 2 replaces therefore previous zinc-chromate primers, which had to be assembled in the holding thread before the HELICOIL® installation.

HELICOIL® insert with Primer-Free® 2 can be mounted into the standard HELICOIL® threads with the corresponding standard installation tool.***

Your benefits at a glance

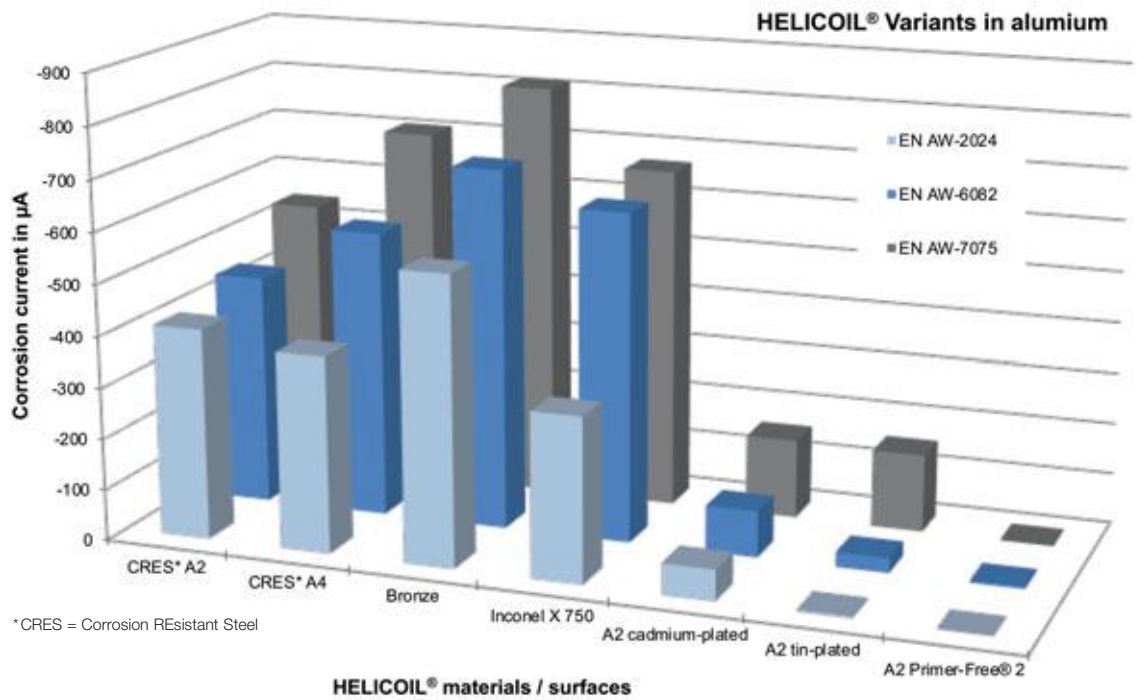
- Even coating and overall protection
- RoHS compliant/chromium(VI)-free
- No further preparation of the mounting thread
- Reduced installation costs
- Locking torques according to standards
- No soiling of the installation components and elements
- Efficient and economical assembly

Variants

Several dimensions of common thread types from UNC 6-32 to UNF 1/4-28 are already available in our portfolio.

Further imperial and metric dimensions are available on request. Please contact us for detailed information.

Technical information



Scope of application

HELICOIL® thread inserts are used in the aerospace industry, the automotive industry, in mechanical engineering, in the electronic industry and in other industries.



* Comply with standards NAS1130 and NA0276, respectively.

The prevailing torques are defined in technical delivery conditions NASM8846 and MA1565, respectively.

** Works standard "BN0110.028 Part 1" can be viewed for further details.

The coating narrows the internal thread of the assembled HELICOIL® slightly, as such the assembled coated product may not be true to gauge for the GO section of a thread plug gauge in every case.

*** HELICOIL® Tangfree with Primer-Free® 2 might require a more frequent replacement of the installation tool blade.

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Passion for successful joining.