

SUCCESS STORY



Creative. Visionary. Successful.

The efficient cooperation is the foundation for success. Yours and ours.

Your partner for successful joining – worldwide.

BÖLLHOFF

KSB and HELICOIL®: An energetic co



Interesting information about the KSB Group

KSB, founded in 1871 and situated in Frankenthal (Rhineland-Palatinate), is one of the world's leading manufacturers of pumps and valves. With its own production sites, sales companies and subsidiaries, the group is represented across the globe. During 2013, 16,000 employees achieved a total turnover of more than two billion euros. The products are applied in several industries in order to transport or isolate liquids, also in an aggressive, explosive or toxic form, safely.

The technical highly productive and extensive pumps portfolio is especially used in power plants. These power station pumps are appropriate for many different applications, e.g. conveying of boiler feed water, condensate, cooling water and coolants or for recirculation of boiler water.



Coolant pumps made by KSB



Initial situation

High reliability and maintenance-friendly constructions are important requirements for pumps in power stations. During the entire operation period, these pumps need to be inspected reliably and removed easily. Furthermore, the disassembly of large service gates for inspection purposes is an essential aspect.

The material selection of the components is severely limited due to certain guidelines and customer demands. Based on operational influences, the risk of a difficult disassembly or even a seizing of the screw connection could occur. This could lead to unscheduled, additional work during maintenance and inspections and at worst cause delays in recommissioning the power station.

The solution with Böllhoff

In order to overcome the challenge of a failure-free pumps removal for maintenance, KSB uses reliable HELICOIL® thread technology. A HELICOIL® thread insert in the dimension M 125 x 4 x 166 is screwed into the pump housing by using a purpose-built installation tool to enable thread reinforcement. Consequently, seizing is avoided. The pump can now be easily removed and afterwards mounted again. The pump housings, weighing approx. 30 t, comprise in each case 16 threads with HELICOIL® thread inserts.

operation!



A total commitment is necessary!



A joint success: Employees of KSB and Böllhoff are working on screw tests

60th anniversary of HELICOIL®

1954 – a very important year. In Germany, Böllhoff has started the HELICOIL® production and thereby created product history. Today, the 60th anniversary of the HELICOIL® thread inserts is celebrated. These thread inserts create high-strength fastenings in metal materials of low or high shear strengths. The newest generation of the HELICOIL® plus technology allows a simplified installation due to an easy handling. Since more than 60 years well approved, the HELICOIL® is an accredited construction element. There is hardly any requirement regarding the thread technology that could not be solved.

”The use of the HELICOIL® thread technology provides an uniform load distribution in the thread, increases the pump servicing and contributes to a higher customer satisfaction.“

Denis Yücel, MBA Eng., Development engineer for large pumps

Customer benefits

- Increased quality and value

Product characteristics

- Corrosion and temperature resistant
- Wear-resistant
- Resilient



60 YEARS
HELICOIL®
made by **BÖLLHOFF**

Böllhoff International with companies in:

Argentina	Korea
Austria	Mexico
Brazil	Poland
Canada	Romania
China	Russia
Czech Republic	Slovakia
France	Spain
Germany	Switzerland
Hungary	Turkey
India	United Kingdom
Italy	USA
Japan	

Apart from these 23 countries, Böllhoff supports its international customers in other important industrial markets in close partnership with agents and dealers.

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Böllhoff Group

