

DIE CASTING

voestalpine SUB INSERTS - CONVENTIONAL designed for pure performance

Over the years, our customized sub inserts have proven their superior quality in all major industry segments such as automotive, white goods and many more.

YOUR ADDED VALUE

voestalpine Sub Inserts for die-casting applications are produced with **premium materials by BÖHLER/ Uddeholm**. The finished products include voestalpine heat treatment, final machining, and eifeler PVD coating to deliver high-performance solutions that are ready for foundry use.

Our sub inserts offer outstanding high-temperature wear resistance, excellent ductility (gross crack resistance), premium tempering resistance, significant soldering reduction (with eifeler PVD coating), high heat-checking resistance as well as high thermal conductivity. These superior properties lead to reduced downtime and maintenance effort, thereby substantially increasing OEE. To meet the highest level of demand, these sub inserts are available with a hardness of up to 57 HRC.

Main Properties

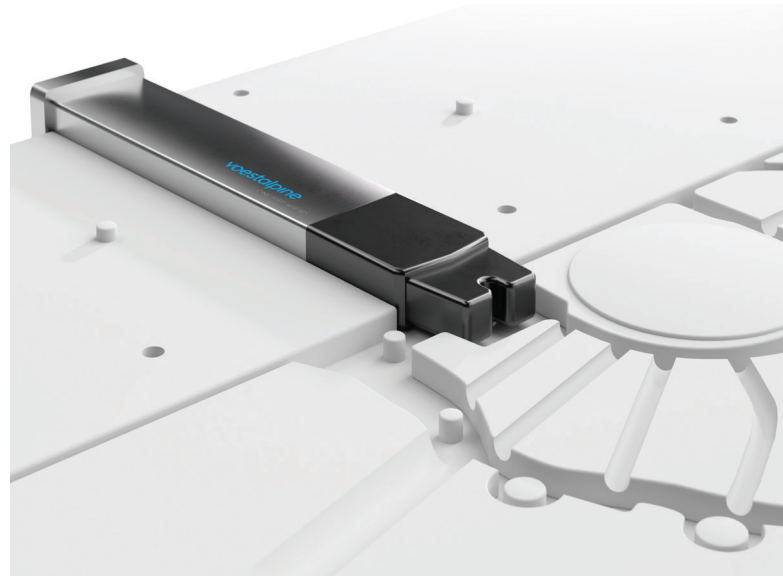
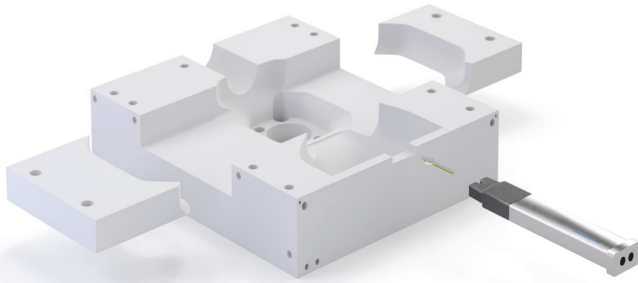
Outstanding high-temperature wear resistance

Premium tempering resistance

Excellent ductility (safety against cracks)

High soldering resistance (with PVD coating)

High thermal conductivity



INDUSTRIAL PERFORMANCE COMPARISON

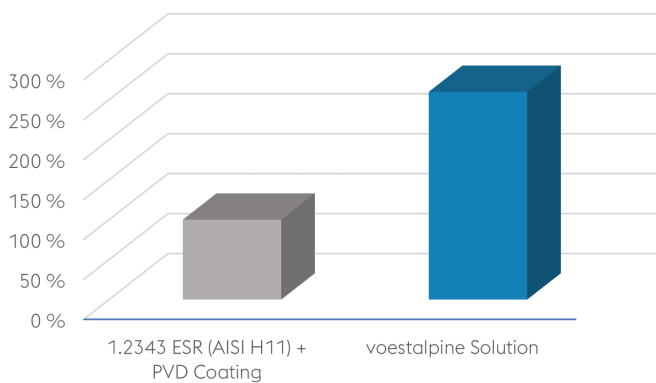
- » Increased lifetime
- » Reduced maintenance and cleaning effort
- » Reduced downtime
- » Reduced scrap rate

OUR MATERIALS

C	Si	Mn	Cr	Mo	V
0.50	0.20	0.25	4.50	3.00	0.60

C	Si	Mn	Cr	Mo	V
0.38	0.30	0.75	2.60	2.25	0.90

Lifetime Improvement



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voestalpine

ONE STEP AHEAD.