

DIE CASTING

## voestalpine CORE PINS designed for pure performance

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

### YOUR ADDED VALUE

voestalpine Core Pins 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 core pins 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 core pins are available with a hardness of up to 57 HRC.

#### Main Properties

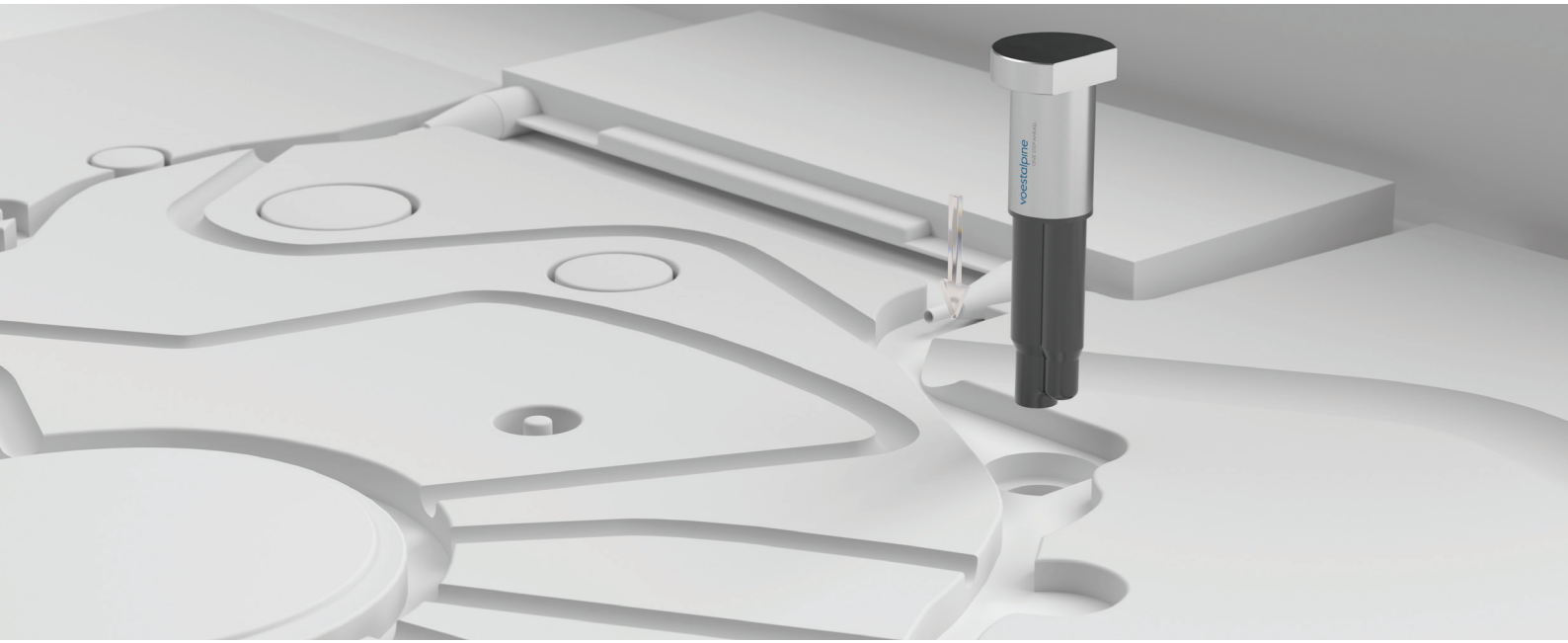
Outstanding high-temperature wear resistance

Premium tempering resistance

Excellent ductility (safety against cracks)

High soldering resistance (with PVD coating)

High thermal conductivity



## INDUSTRIAL PERFORMANCE COMPARISON

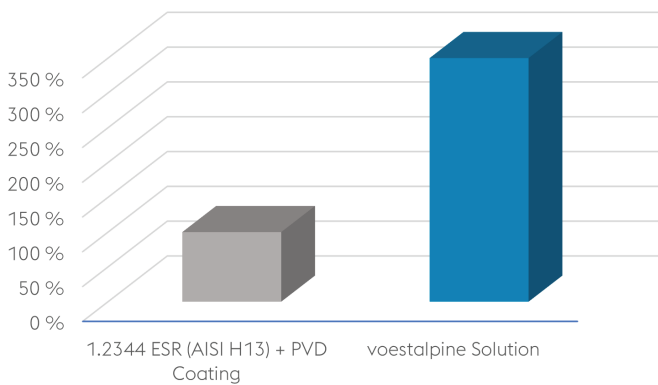
- » Increased lifetime
- » Reduced maintenance and cleaning effort
- » Reduced downtime
- » Reduced scrap rate

## 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



© 2024 voestalpine voestalpine High Performance Metals GmbH. All Rights Reserved. You must obtain prior written permission from voestalpine voestalpine High Performance Metals GmbH for the reproduction, republication, redistribution, transmission, sale, modification, or adaptation of any content hereof. This publication is correct to the best of our knowledge and belief at the time of writing, but it is for general information purposes only and does not provide professional advice of any kind. This publication is provided "as is" without warranty of any kind. voestalpine voestalpine High Performance Metals GmbH shall not be liable for any loss, damage or cost resulting from any inaccuracies, omissions, errors or from any decisions taken in reliance on this publication. This does not limit liability that cannot be limited under law.

### voestalpine High Performance Metals GmbH

Donau-City-Straße 7  
 1220 Vienna, Austria  
 T. +43/50304 10 - 0  
 office.edelstahl@voestalpine.com  
 www.voestalpine.com

October 2024\_EN

**voestalpine**

ONE STEP AHEAD.