



DIE CASTING

voestalpine AM Distributor Rings designed for pure performance

YOUR ADDED VALUE

voestalpine AM Distributor Rings for die-casting applications are produced with premium materials by BÖHLER/Uddeholm. Used mainly in two-plate die casting molds, these finished products include voestalpine heat treatment, final machining, eifeler PVD coating, and customized conformal cooling. Our additively manufactured (AM) distributor rings offer outstanding high-temperature wear resistance, excellent ductility (gross crack resistance), premium tempering resistance, significant soldering reduction, high heat-checking resistance, as well as high thermal conductivity. AM versions are further enhanced with our customized high-performance conformal cooling design to attain the highest efficiency in die temperature control. With their superior properties, these distributor rings are designed to increase your OEE.

INDUSTRIAL PERFORMANCE COMPARISON

- > **Reduced cycle time**
- > **Increased lifetime**
- > **Reduced maintenance effort**
- > **Reduced fluctuations in casting quality**
- > **Increased flexibility**

Main Properties

- Outstanding high-temperature wear resistance
- Premium tempering resistance
- Excellent ductility (safety against cracks)
- High soldering resistance
- High thermal conductivity

Technical Data

Material	premium materials by BÖHLER/ Uddeholm
Hardness Level	47 – 53 HRC
PVD Coating (optional)	voestalpine special coatings
Cooling	voestalpine customized conformal cooling



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
0.35	0.20	0.50	5.00	2.30	0.60

© 2025 voestalpine High Performance Metals International GmbH. All Rights Reserved. You must obtain prior written permission from voestalpine High Performance Metals International 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 High Performance Metals International 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 International GmbH

Donau-City-Straße 7, 1220 Wien

1220 Vienna, AT

T. +4350 3043 023100

E. office.edelstahl@voestalpine.com

<https://www.voestalpine.com/highperformancemetals/international/en/>

July_2025_GB

voestalpine
ONE STEP AHEAD.