



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

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ONE STEP AHEAD.