

voestalpine High Performance DISTRIBUTORS/RINGS

At voestalpine, our distributors/rings for high pressure die casting applications are created from combined premium hot work powder including heat treatment and tailored conformal cooling with our additive manufacturing process.

Our ready to use AM distributors/rings are mainly used in two-plate die casting molds. This solution offers high temperature wear resistance, excellent ductility, good temper back resistance and significant soldering reduction. Reduced down-time and maintenance efforts, increases the OEE for our customer, which directly results in increased productivity.

Over the years our tailored distributors/rings have proven their outstanding performance quality in all major industry segments like automotive, white goods and many more.

EXAMPLES



OUR MATERIALS

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

C	Si	Mn	Ni	Mo	Co	Ti
≤0.03	≤0.10	≤0.15	18.00	4.90	9.30	1.10

Main Properties

Outstanding hot wear resistance

Premium temper back resistance

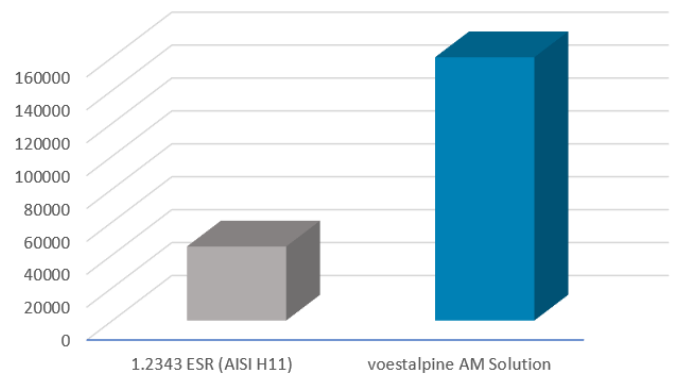
High ductility (safety against cracks)

High soldering resistance

High thermal conductivity

INDUSTRIAL PERFORMANCE COMPARISON

Lifetime Improvement



- + Cycle time reduction
- + Reduced maintenance effort
- + Stable high quality final casted parts

CONTACT

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