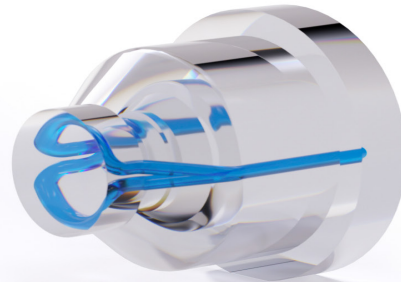


# Engineered Products



PLASTICS

## voestalpine INSERTS FOR FOOD CONTAINER LIDS designed for pure performance

Inserts for food containers are used in plastic injection molding, where they increase productivity by lowering cycle times using optimized cooling designs.

### YOUR ADDED VALUE

Our inserts for food container lids are produced using additive manufacturing and **premium materials by BÖHLER/Uddeholm**. The food container lid inserts provide optimized conformal cooling structures that enable our customers to perform stable and highly efficient production process resulting in a cost reduction per produced part.

Our ready to use solution offers an improved productivity, reducing the overall cycle time up to 15% compared to conventionally manufactured products.

Many producers of food container lids have tested our AM solutions and confirmed the increased profitability by using our corrosion resistant inserts for food container lids.

### INDUSTRIAL PERFORMANCE COMPARISON

- » Improved part quality (less warpage)
- » Significant maintenance savings
- » Reduced cycle time

#### Main Properties

High corrosion resistance

High wear resistance typically 49-53 HRC

High ductility (safety against cracks)

Advanced polishability

Good machinability

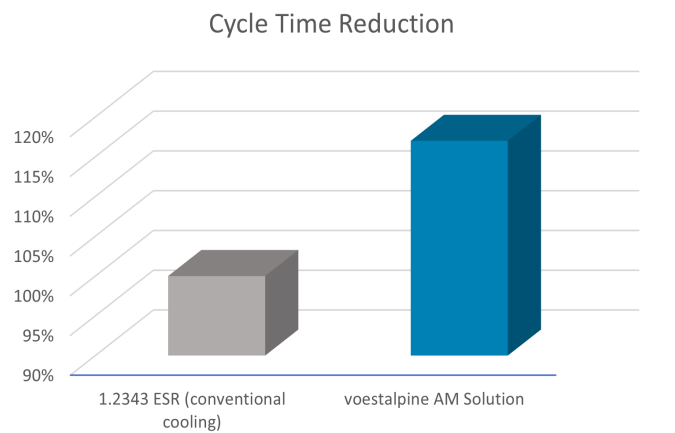


## OUR MATERIALS

C	Si	Mn	Cr	Ni	Mo	Al
0.03	0.30	0.30	12.00	9.20	1.40	1.60

C	Cr	Ni	Mo	Al	Ti
< 0.02	12.20	10.00	1.00	0.60	1.00

## INDUSTRIAL PERFORMANCE COMPARISON



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**voestalpine**

ONE STEP AHEAD.