

voestalpine High Performance INSERTS BOTTLE CAPS

At voestalpine, our inserts for bottle caps tools are produced with additive manufacturing. The bottle cap inserts have optimized conformal cooling solutions which enables our customers to run a stable and highly efficient production. With the goal to reduce the cost per produced plastic part.

Our ready to use solution offers improved wear resistance and lifetime compared to Copper Beryllium, which leads to a lower cost per produced part. Safe production with a minimized risk of leakage between cavity and gate insert is offered due to our single part design. The single part design also offers a simplified production route.

Many global acting plastic injection molding companies, working within several industries, have confirmed the premium functionality and profitability of our corrosion resistant inserts for bottle caps.

EXAMPLES



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

Main Properties

High corrosion resistance

High wear resistance typically 49-53 HRC

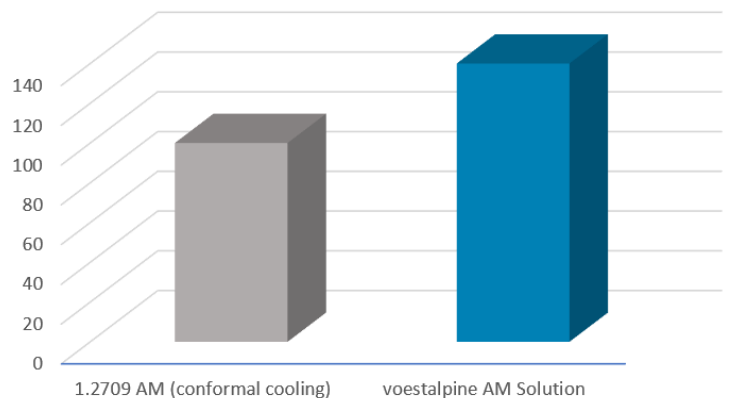
Advanced polishability

High ductility (safety against cracks)

Good machinability

INDUSTRIAL PERFORMANCE COMPARISON

Lifetime Improvement



- + Reduced cycle time
- + Improved machine utilisation rate
- + Significant maintenance savings

CONTACT

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