# IMPROVED MACHINABILITY STAINLESS STEEL





### SIMPLIFICATION

Machining tools lifetime up to 5 times longer. Better chip fragmentation. PRODUCTIVITY

Reduction of cutting forces. Increase of the cutting velocity up to 50%.



### **OPTIMISATION**

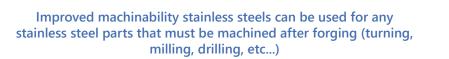
Finished parts less expensive due to lower machining costs.

mproved machinability stainless steels can significantly optimized machining operations of forged parts by the control of the steel metallurgy. Their use allows a significant increase in productivity thanks to the increased cutting speed, a better machining tools lifetime and a better chip fragmentation.

The mechanical properties required for the application do not change.

#### - Prerequisite –

Adjust machining parameters to maximize machinability improvement . POSSIBLE SUPPORT FROM THE STEEL MAKER





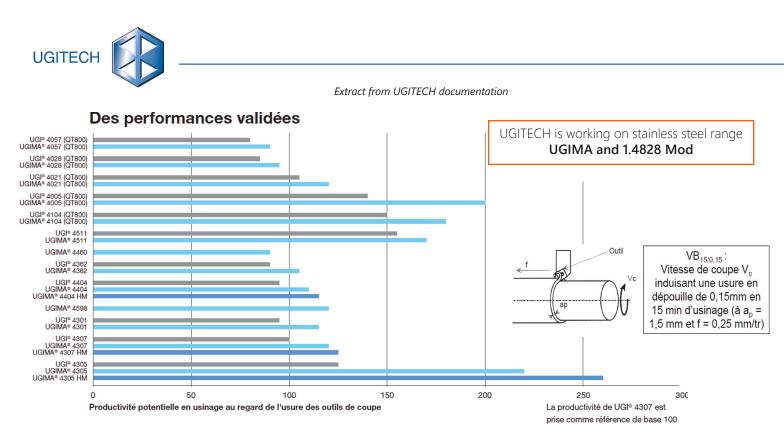
Stainless steel injection components

# IMPROVED MACHINABILITY STAINLESS STEEL



## **EXISTING SOLUTIONS ON THE MARKET**

Setforge is working in close collaboration with **the most innovative steelmakers on the market to develop the solutions of tomorrow.** Our purchasing and engineering teams are at your disposal in order to assess the potential metalurgical and economic gains of these solutions for your business.



#### Valeur d'usage

	1.4404 Standard	UGIMA <sup>®</sup> 4404HM
Coût matière (€/pièce)	0,84€	0,88€
Productivité (pièce/h) (efficacité 83%)	46	57,7
Coût d'usinage (€/pièce)	0,98€	0,78€
Coût total (€/pièce)	1,82 €	1,66€
Gain (€/pièce)	-	0,16€
Gain pour une série de 10000 pièces	-	1 570,00 €





## FOCUS ON INNOVATION

mod

APPROFORGE, purchasing specialist of raw materials for Setforge Group, one of the leading group in Europe in the production of forged components, has set-up a co-development team to provide innovative solutions to their customers in order to bring them a competitive advantage by reducing the overall cost of acquisition of their parts.

Ask for more : innovation.approforge@setforge.net