

A technological
innovation

UGIMA® 4307 HM / UGIMA® 304L XL

C 0,030 max • Cr 17,5-19,5 • Ni 8-10

Complies with standards

EN10088-3 : 1.4307 X2CrNi18-9 - AISI 304L - JIS SUS 304L

Austenitic stainless steel with improved machinability Simply the best performance

- New grade in the UGIMA® 2 family
- Performance and flexibility for machining combined with good corrosion resistance!
- Optimized machinability, whatever the operation or machine used:
 - Improved chip fragmentation,
 - Productivity improved by 10 to 25 % compared with UGIMA® 4307
 - Tool life doubled compared with UGIMA® 4307 in equivalent cutting conditions.

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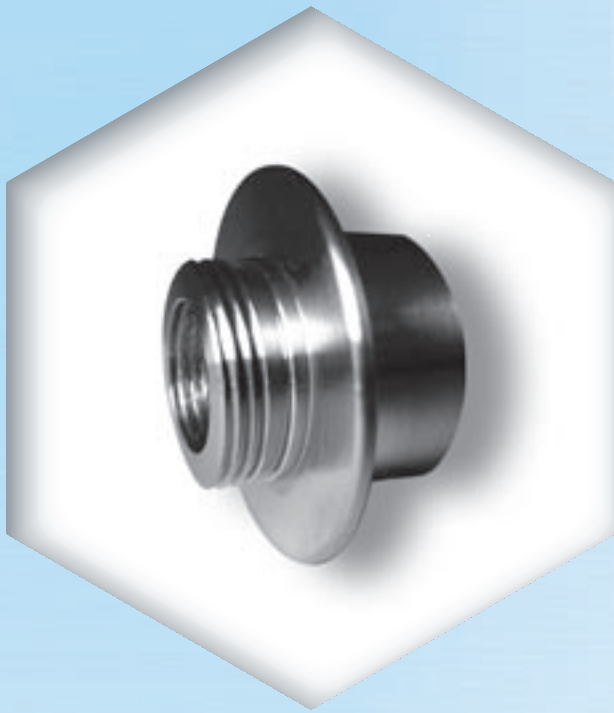
remains at the cutting edge of machinability

We will continue to develop UGIMA®2,
for all grades used for machining!

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Providing special steel solutions





Productivity increase calculation method

Diameter (mm)	40
Component length (mm)	25
Material weight (kg/m)	9,865
Material weight per component (g)	247
Hourly machine cost (€/hr)	40
No. of components per production run	10000

	UGIMA® 4307	UGIMA® 4307HM
Productivity* (components per production run)	9	11,8
Machining cost (€/component)	4,44	3,39

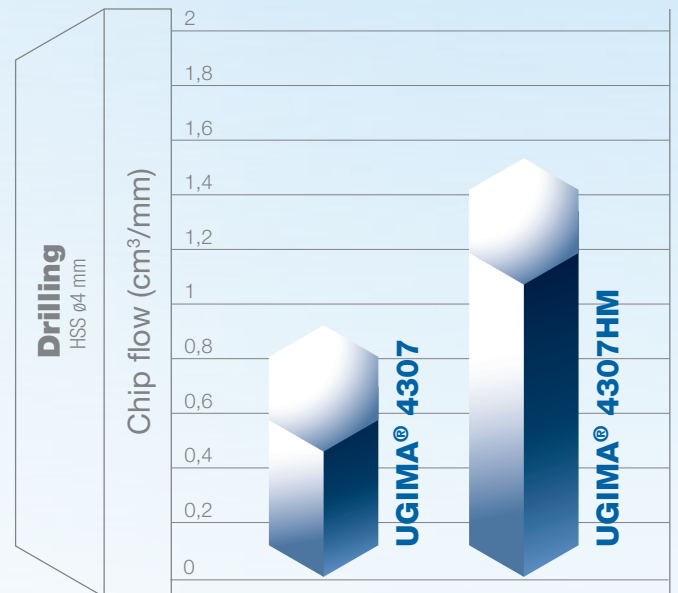
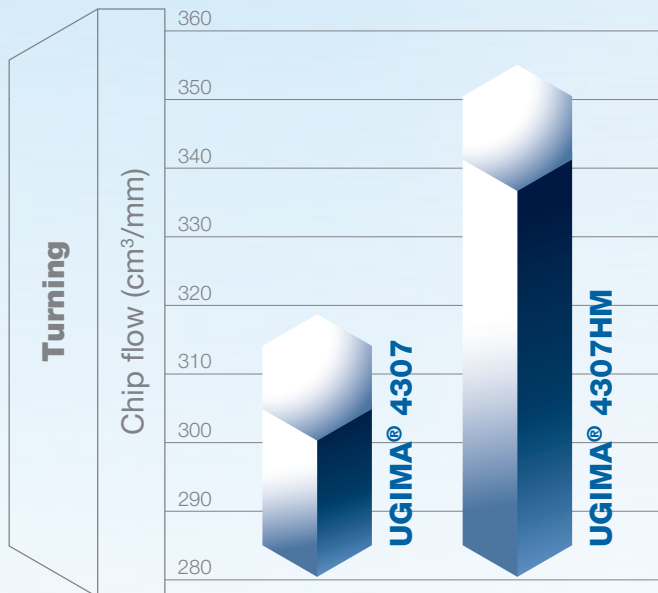
Machining increase per component (€)	1.05**
Production run increase (€)	10500
Material cost per component (€)	0,37**

*with 83% efficiency

**Nota Bene : In this example, the productivity saving is higher than the material cost

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For a series of 10,000 parts of the type below, the improved productivity saves 1.05 € per part, i.e. 10,500 € in total.



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