
SN
FORGING YOUR FUTURE

INTERACTIVE CONTENTS

click to navigate

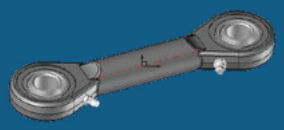
This brochure is a summary of our know-how, in addition to our website.

On this page our readers who want to go fast and get straight to their point of interest will be able to do their choice

From the product development to the final assembly, you can click and go directly to the right section of this document

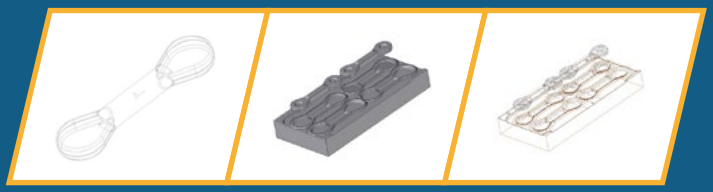
Have a good time !... and let us study your enquiries soon !

→ PRODUCT DEVELOPMENT



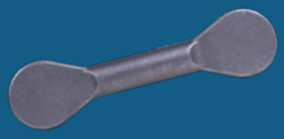
A team is dedicated to co design your product with your engineering department. Stevenin Nollevaux does not provide standard items.

→ NUMERICAL SIMULATION



Product and process optimizing is a key driver of competitivity and productivity, achieved thanks to the numerical simulation. For more details, please click on the picture…

→ FORGING



Drop forging is the first step of hot forming ; we forge parts from 50 g to 5 kg

→ MACHINING

Stevenin Nollevaux does not only forge : we are also a specialist of machining forgings. Today, more than 50% of our production is being machined.

→ ASSEMBLY

One good reason for delivering a finished product : significant savings are achieved when the assembly is done by the operator at the same time as the machining !

A CENTURY OF EXPERIENCE

FORGING YOUR FUTURE

Located in the heart of the deep Ardenne forest, we forge since 1927. Our company is a family run business and we have adapted to the Market requirements : state-of-the-art equipment, digital simulation, robotization and continous training of our 90 employees.

INTERNATIONAL EXPERIENCE

deliveries to customers all over Europe (80% exports)

Les Hautes Rivières, Ardennes

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WEIGHT SCOPE

50 grams up to 5 KG

OUR MAIN BUSINESS SECTORS

Construction equipment

Material handling

Hand tooling

Forestry machines equipment

Agricultural machinery

Trucks and trailers

CONTENTS

THE FORGING PROCESS

With 5 forging lines (hammers from 1600 to 6300 kgm) we are covering a large panel of more or less complicated components with the aim to secure the production : one same item can be produced on 2 different production lines.

TO SEE
THE LINE RUNNING :
Click here

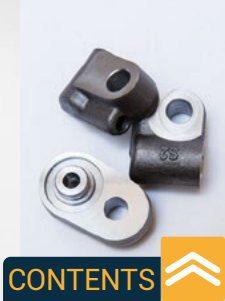
COMPETITIVE ADVANTAGE OF HAMMER FORGING :
multiple cavity dies.

TO SEE A
MULTIPLE CAVITY DIE :
Click here

MATERIAL
All steel grades (carbon, alloyed , stainless, etc...)

ASSOCIATED OPERATIONS
Hot bending , cold coining , hot or cold punching.

IN-HOUSE HEAT TREATMENT
controlled cooling, direct quenching, overhardening, annealing, tempering ...



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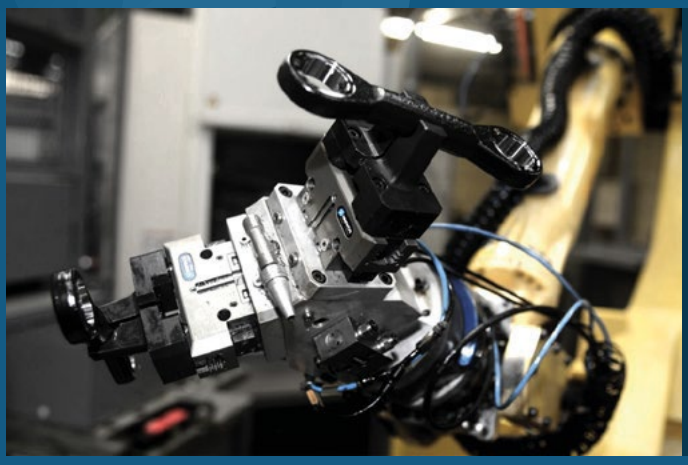
THE MACHINING PROCESS



From simple machining at very high production rates to more complex machining at lower volume, our machinery park is flexible and partly robotised.

LATHES	VERTICAL CENTRES	HORIZONTAL CENTRES
1 Index Two-spindle Two-tower robotised 2 Doosan 1 CMZ 1 Okuma 1 ROMI robotised	1 Speedio R650 Bi-pallet robotised 2 Speedio S700 one pallet robotised 1 Brother Bi-pallet 2 Hartford	1 Heller MC16 Bi-pallet 1 Heller MCi16 Bi-pallet 1 Heller MC25 (6 pallet)

A specific investment has also been dedicated to the production of a complete range of components for a customer.

TO SEE A
ROBOTIZED VERTICAL CENTER :
Click here

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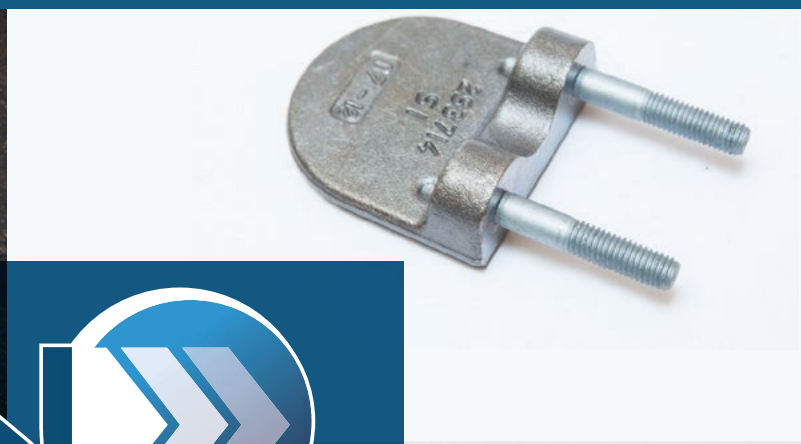
TAKING IN CHARGE YOUR FINISHED PRODUCT

Today, our customers ask us to deliver components ready to be used in their products, directly on the production line and with the appropriate packaging.

This approach is not new at Stévenin Nollevaux. We are not simply a forging specialist but we also have a long experience in the machining of finished components

In addition, we integrate the assembly of components on your product: the customer's advantages are multiple:

- with a shorter supply chain, quality and logistics are under full control
- with less suppliers, the overall purchase cost is optimized.



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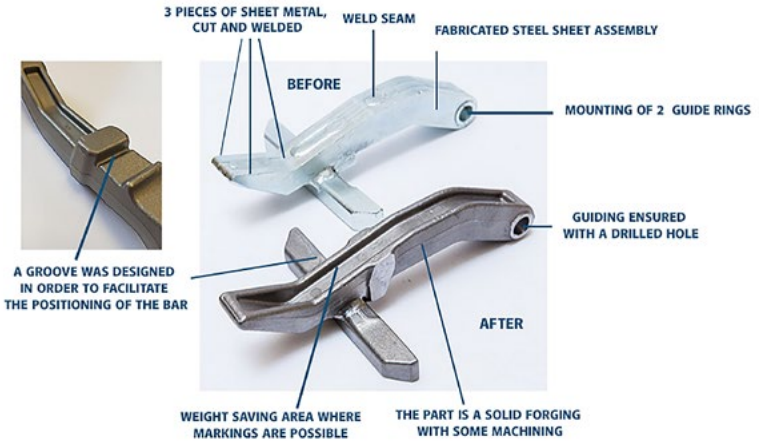
JOINT DEVELOPMENT & TECHNICAL SUPPORT

Stévenin Nollevaux gets involved from the very beginning of your project in order to exchange and share ideas on the product design and participate to establishing the specifications.
Starting with your drawing or a 3D file or even a sketch: We make technical proposals to lower the final cost of your product and add features: coining; heat treatment; material proposal; geometric adaptation ...

EXAMPLE : transformation of a fabricated component into a new forged part

BEFORE : a multitude of expensive operations and poor aesthetic aspect

TODAY : the cost saving has reached 40% on average. The product presents an attractive design, is resistant to high mechanical stresses (specific material flow structure) and is customized with the addition of new markings (logo, forging number, traceability ...)



TAKE ADVANTAGE OF OUR EXPERTISE

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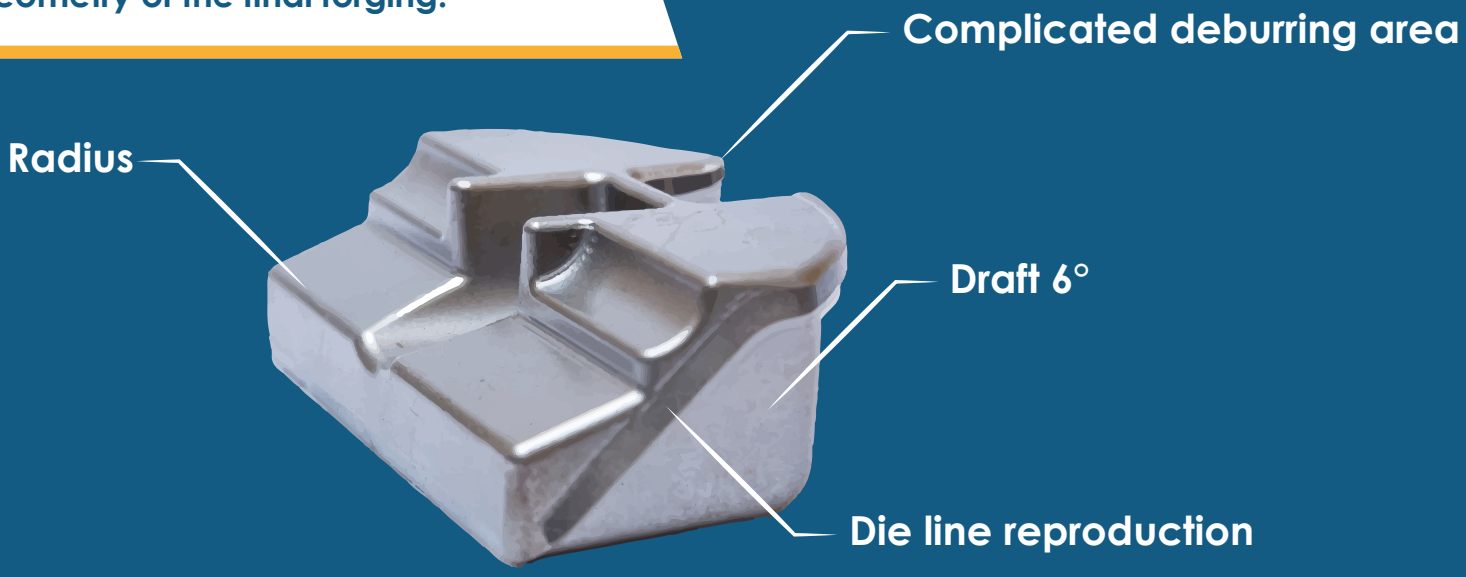
NUMERICAL SIMULATION & RAPID PROTOTYPING

Developing your product together, in total confidentiality, enables us to achieve the forging simulation and therefore justify our design suggestions.

Productivity integrated in the quote : a metal input weight and a section of billet are confirmed in the study.
Time saving : faster optimized design and therefore shorter development time of your project: "Time to market".
Your benefit : our expertise in studying new geometries, more complex shapes and new materials.
Competitiveness : forging development in a short time, reduction of testing and material costs, extension of tool life.

Machined prototype integrating the geometry of the final forging.



TO LOOK
AT A NUMERICAL SIMULATION :
Click here

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OUR CORPORATE VALUES ARE CONSISTENT AND SUSTAINABLE

- we are willing to share our long experience
- we guarantee the stability of our processes
- continuous improvement is our daily routine
- we communicate
- we respect our commitments
- ensuring the well-being of our employees
- anticipating, planning, investing is in our DNA ...

A century of experience at your service

- Joint development and support of your project
- Reliability and respected commitments

+33 (0)3 24 53 40 45 - commerce@stevenin-nollevaux.com
rue de la Semoy, 08800 Les Hautes Rivières - France

For more information...

http://www.stevenin-nollevaux.com

...and Follow us

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