



HOW CAN I HELP?



ATELIERS DE LA HAUTE-GARONNE  
AURIOL HARDWARE GROUP  
FASTENING PERFORMANCE TO INNOVATION

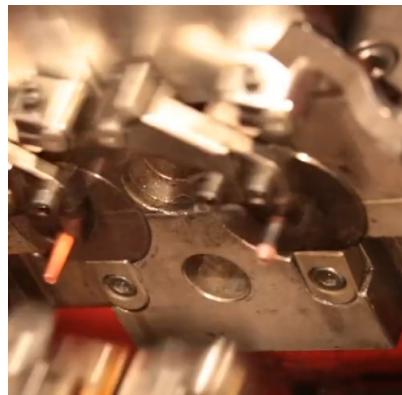
# Services and Processes

For over 100 years AHG have been working to improve their processes, integrating all manufacturing operations into the value chain and constant modernisation.

The aim is to supply customers with the best fasteners, available on the market.

## Wire drawing

Wire drawing reduces the cross-section of a metal wire by mechanical traction. This enables us to obtain the desired wire diameter and improve our flexibility.



## Hot stamping or cold stamping

The stamping operation consists in forming the head and body of the part, hot for the most resistant metals and cold for the most ductile metals. Following this operation, the parts undergo an initial intermediate inspection.

## Heat treatment

During this operation, previously stamped parts are heated to a certain temperature and then cooled more or less rapidly. The aim of this operation is to modify the physical, mechanical and chemical properties of the parts (improved mechanical strength, for example).



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## Cold Working, drilling, rolling, grinding

The screws are then sent to our Moroccan production facilities for peening, drilling and rolling.

**Galetting:** Non-cutting method that smoothes and hardens parts

**Drilling:** Depending on the standard ordered, certain parts must be drilled (on the head or body of the screw).

**Cold Working:** Mechanical deformation of the part to give it the desired thread.

**Grinding:** This is the last stage carried out in our Moroccan workshops. The aim of this operation is to improve the surface finish of the screws.



## Surface treatment

The parts then pass through our surface treatment lines to protect them against corrosion.



## Final inspection

The purpose of this operation is to complete all the intermediate inspection operations previously carried out. During this operation, the main characteristics of our parts are tested (fatigue strength, corrosion resistance, part geometry, etc.)