Products – What to find in this section

Genuine automotive sheet products are developed for optimum formability and service properties within narrow tolerance limits. Relevant properties for selection, manufacturing and use are listed.

![Shaped blank for front hub](image)

Alloys 6016-T4
Source: Alcan-Alusuisse

'Put material only where it serves a purpose', is the principle rule of extrusion design. You will find data on automotive extrusion alloys for design, fabrication and service in this section.

![Extruded, drawn and welded tubing](image)

Extruded, drawn and welded tubing is available for functional, heat transfer and structural use. Automotive tubing products are tailored for specific applications. Often tubing is the starting material for complex forms.

Source: Hydro Automotive SA
Serviceability and reliability under extreme conditions of use and abuse for safety components are afforded by aluminium die forgings. Automotive forging products, their properties and relevant design considerations are provided in this section.

Forged control arm for Porsche 996

Impact extrusions are a largely untapped resource for light weight functional and structural components with very complex design features, which can often not be produced as one part.

Source: Hydro Aluminium Automotive SA

Properties of cast products are always related to casting methods and process metallurgy. Combining the integration of design functions into a single part with optimum process technology provides components with excellent structural integrity and service behaviour.