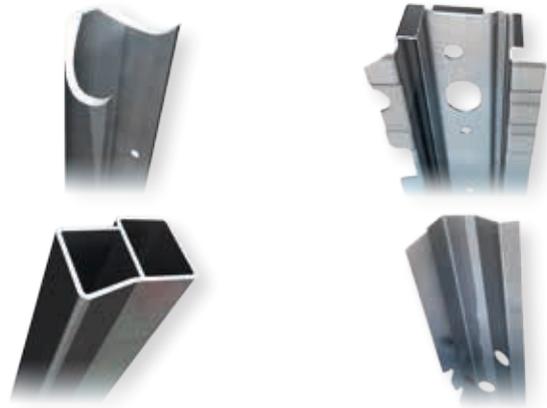




## Driving Innovation

Higher strength and greater durability from lower weight? Welsers Profile excels at offering more performance at lower cost. In close collaboration with you, our customer, we apply our forward-thinking approach and innovative technology to help you realise the maximum potential of your designs.

Strength  
Durability  
Safety  
Economy  
Exacting tolerances  
Weight Reduction



## OUR CAPABILITIES

Using innovative optimisation techniques, Welsers can offer new roll-forming design solutions:

- **Cross-sectional Optimisation:**

The profile cross-section can be selectively thinned to reduce weight.

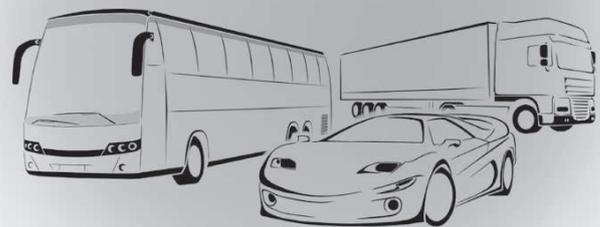


- **Profile Splitting:**

Profile features can now be split out from the parent shape, producing light, but very strong, complex forms. It is now also possible to vary the width and/or height of a profile along its length.



Brackets  
Trim  
Chassis Components  
Interior Elements  
Seating Components  
Crash Structures



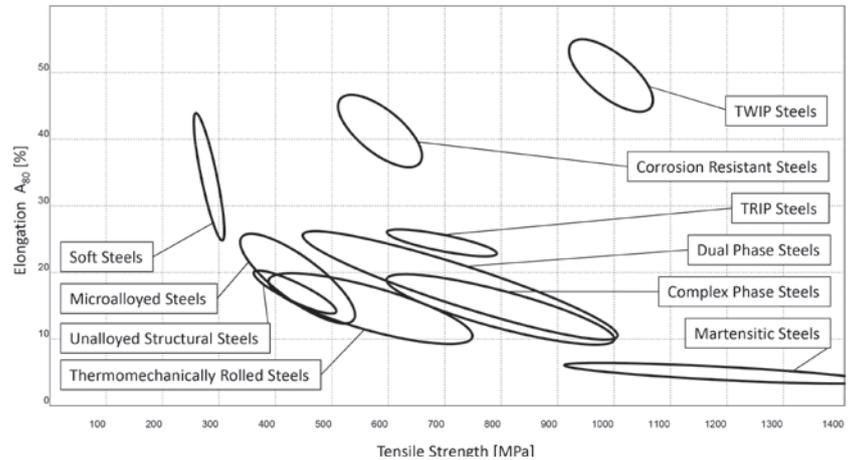
Examples of applications for profiles used in cars, buses and commercial vehicles.

We welcome the opportunity to share our extensive experience in component development. By selecting the most suitable combination of our traditional and innovative production techniques, we work with you to develop your bespoke cross section. We also manufacture **ready-to-fit parts** and **pre-assembled modules**, which we can deliver to you **just-in-time (JIT)**.



## WHY WELSER?

- **Enhanced deformation characteristics**
- **Improved cost savings** through better online integration of product features
- **Rapid prototypes** are available and will accurately represent the properties of a production part
- **Weight saving**, through the forming of ultra high strength steels and the use of innovative optimisation techniques
- **Highly repeatable dimensional accuracy** corresponding to **better safety performance**
- **Lower cost tooling** from roll forming technology, compared to brake pressing
- **Near net shape forming** minimising additional process steps
- **High residual elongation** through sympathetically formed radii



High strength and ultra high strength steels



Profiles are used in the construction of seating components, reinforcement bars, torque bars, guide rails, module mounts etc.



## INFO – Welsler Profile

- Manufacturer of bespoke sections and tubes made from steel, stainless steel and non-ferrous metals
- Family organisation currently in it's 11<sup>th</sup> generation
- More than 19,000 different profiles produced to date
- Total manufacturing area 500,000m<sup>2</sup>
- Approx. 1,800 employees
- 3 production sites / more than 60 roll forming lines
- 12 sales offices