Usibor® 1500P and Ductibor® 500P the ultimate tool for weight and cost reduction

An efficient way to combine the superior mechanical properties of Usibor® 1500P and the benefits of Tailored Blanks technology

Usibor® 1500P

> Weight reduction and crash safety

Tailored Blanks technology

> Cost saving:
  - Mass optimization
  - Reduced number of parts (less assembly and stamping operations)

> Crash management:
  - Various thicknesses
  - Partner for energy absorption with Ductibor® 500P

For critical areas where energy absorption is primordial in order to improve safety and crash management, Usibor® 1500P has to be combined with a more ductile Press Hardened Steel:

Ductibor® 500P

> No failure in the welding during a crash
> Good stability of the structure
> Ductibor® 500P deforms: energy absorption
> Usibor® 1500P does not deform: anti-intrusion
> Ductibor® 500P has same energy absorption performances as Dual Phase 600

The Usibor® 1500P/Ductibor® 500P Tailored Blanks is an advanced concept for both Pillar and Rail applications
Usibor® 1500P/Ductibor® 500P Tailored Blanks Rear Rail

Tailor Welded Blanks applications made of Usibor® 1500P and Ductibor® 500P

- 38% in weight
- 4.1 kg / vehicle
No cost penalty