Both improved side impact performance and weight reduction are realized. (Weight reduction ▲25%)

Aim of Adopting Ultra High-Tension Roll Form Technology in Vehicle Body Part

Strength

- Roll Forming Technology with Ultra Tensile Strength Steel Sheet
- 590 MPa-grade
- 2.3
- 1270 MPa-grade
- 2.0
- 10.2kg → 6.0kg

Examples of B Pillar R/F Structure by Ultra High-Tensile Strength Roll Form

- Spring back control is easy.
- Closing cross section is possible (variable cross section is possible for some parts).
- Crash worthiness is high.

New Body Structure Utilizing Ultra High-Tensile Strength Roll Form Member

* Awarded by the Society of Automotive Engineers (SAE) and the American Iron and Steel Institute (AISI). Awarded the Sydney Melbourne Prize in 2006.