

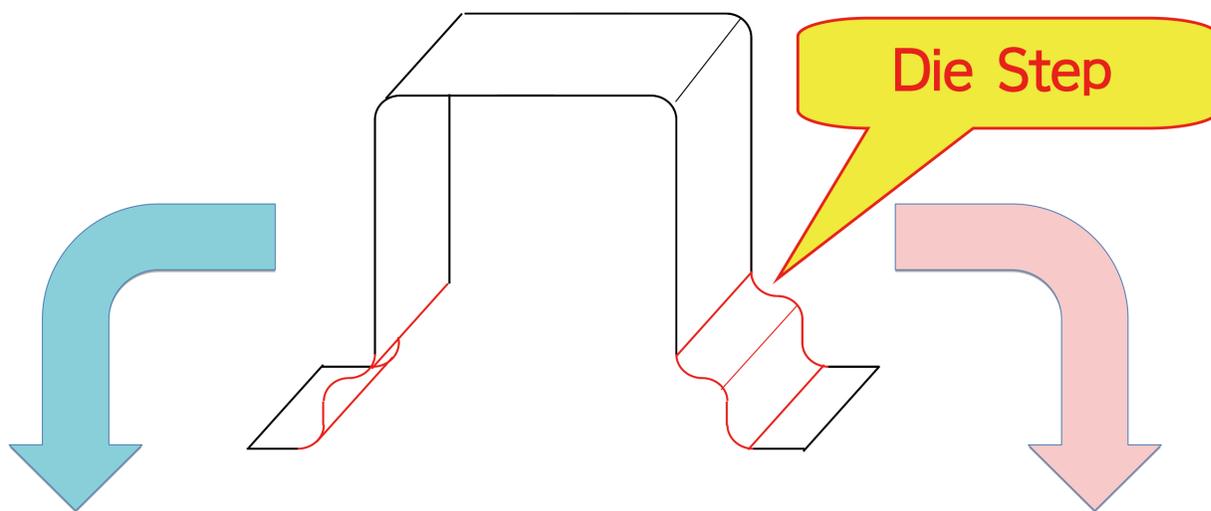
Die Step Forming Technology

Effect

Realizing both Dimension Accuracy and Collision Performance of High Tensile Strength Parts

Points

Characteristics: A small step is created at the die shoulder



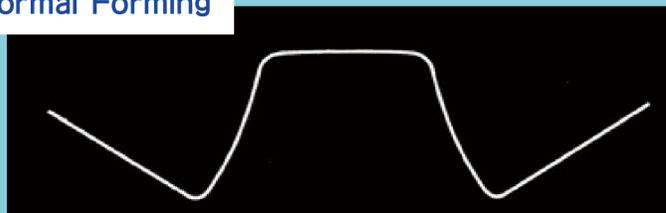
Dimension accuracy is improved

Tension load on the vertical wall

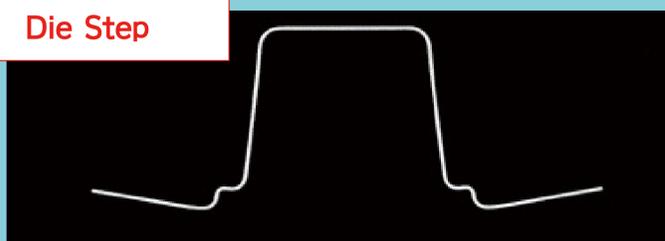
Crash worthiness is improved

The number of ridges is increased

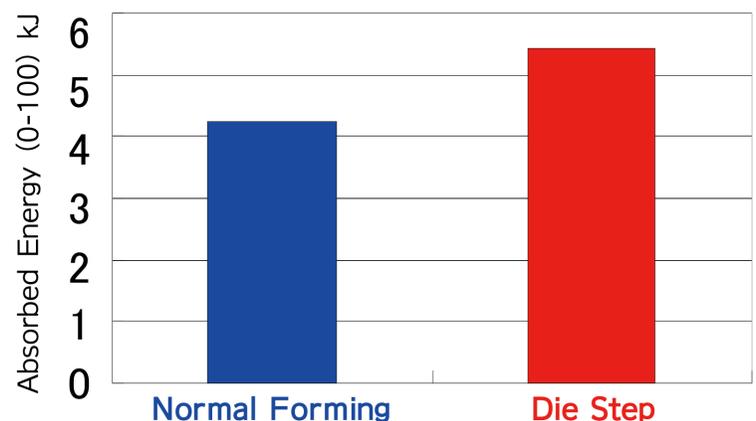
Normal Forming



Die Step



An example of evaluating dimension accuracy with 590 MPa-grade steel.



An example of evaluating the energy absorbed in the Axial collapse test with 590 MPa-grade steel

