

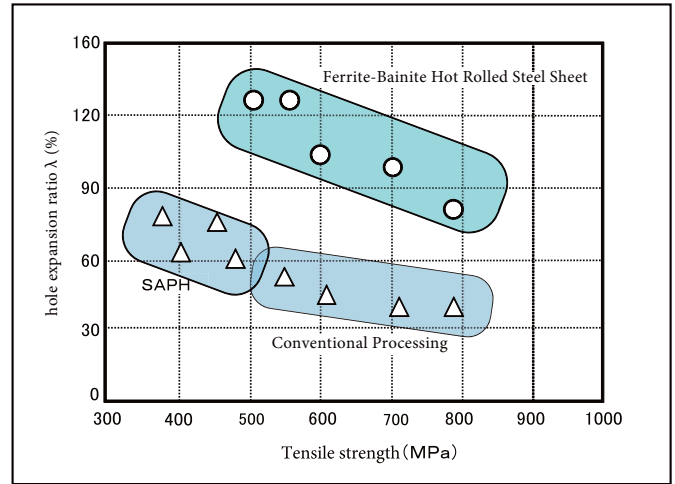
440~780 N/mm²-grade Ferrite-Bainite Hot Rolled Steel Sheet

Its Excellent Stretch Frangeability in top level in the Industry.

Outline

This is the hot rolled high tensile strength steel sheet that has outstanding stretch frangeability and weldability, which was developed corresponding to the need to reduce the weight of various parts of machines including automobiles.

■ Stretch Frangeability



Characteristics

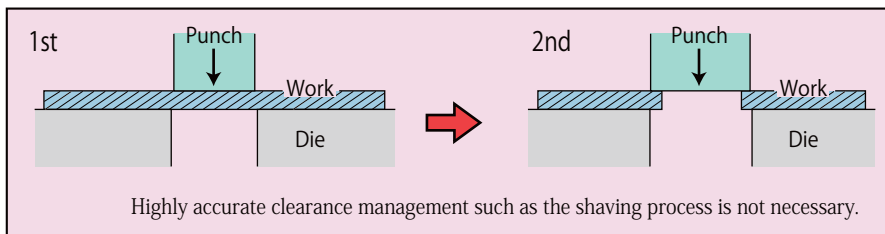
- (1) Excellent formability, especially in stretch frangeability
- (2) The softening in Heat-Affected Zone (HAZ) is small, so high joining strength is achieved.
- (3) It has excellent fatigue property

Improved processing technology for Stretch Frangeability

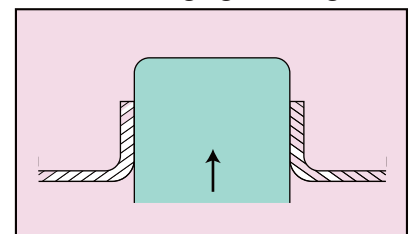
We have developed double-punching technology to easily improve the stretch frangeability.

By using this technology in combination with steel sheets with high stretch flanging, very severe stretch frangeability is enabled.

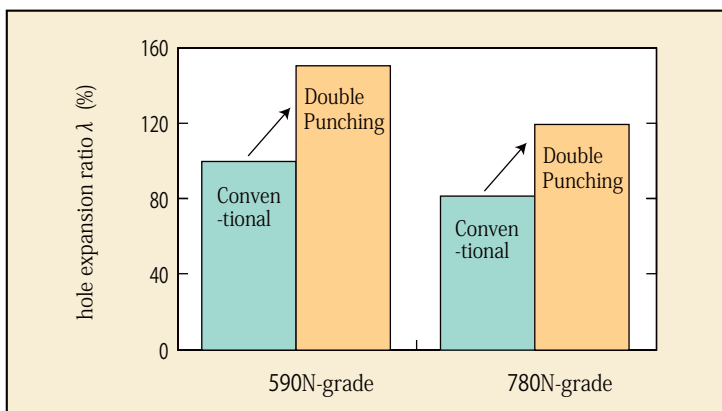
■ Punching Process



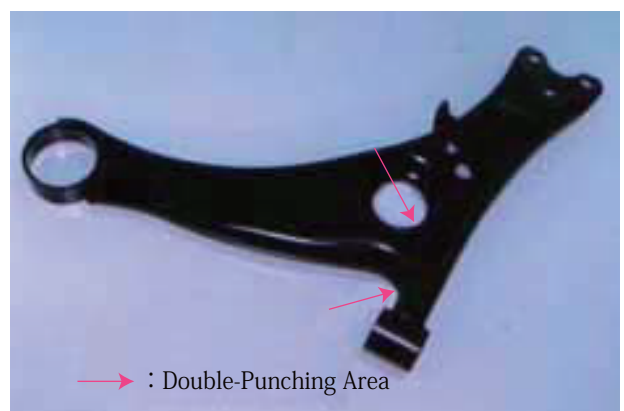
■ Stretch Flanging Forming



■ Cases of Improving the Hole Expansion Ratio by Double-Punching Technology



■ Cases of Application to Practical Parts



Environmental Consideration

It improves the economy of vehicles by reducing the weight of the body, thereby contributing to the prevention of global warming

Contact :

Steel Sheet Sales Division, Steel Business Unit, Kobe Steel

tel : +81-3-5739-6184 +81-6-6206-6248 +81-52-584-6161 +81-82-228-6161 +81-92-451-6011

fax : +81-3-5739-6924 +81-6-6233-3059 +81-52-584-6107 +81-82-223-0715 +81-92-451-6038