KOBELCO **High-Productivity Hot Stamping Steel Sheet**

benefit

Die rapid cooling is not necessary by high hardenability.

- Improvement of the productivity at hot-stamping process by reducing hold time at die during press
- Possible reducing man-hours to adjust clearance of die by high hardenability

Characteristic

Improved hardenability



- Shift to long term side in nose of soft microstructure transformation (Mn added)
- Inhibition in tempering of martensite microstructure (Si added)

Hardenability is improved

Lower dead point retention time is shortened

Improvement of productivity at hotstamping process (High Productivity)

Stability of Hardness

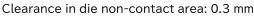
Sample: 1.4t x 150w x 100L

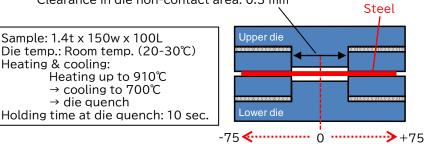
Heating up to 910℃

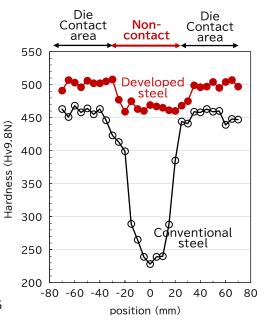
→ cooling to 700℃ \rightarrow die guench

Heating & cooling:

- Strength (hardness) can be achieved even if contact between steel and die is not sufficient
- It is profitable to get stable hardness at non-contact area in die R and forming parts with different thickness such as TWB, patch-work parts







For inquiries about this product, please contact the inquiry form.

