KOBELCO

Cold-Rolled Steel Sheets

Point

- Selectable grades and types to meet your needs
- Material design considering weldability, delayed fracture properties, and formability.

Types	Point	Application
DP (Dual phase)	**Drawing type** Suitable mainly for drawing and stretching of parts.	Center pillar, Front pillar, etc.
	Bending type Suitable mainly for bending and stretch flanging workability of parts.	Seat rail, Bumper, Side sill, etc.
TBF*1	Suitable for parts that require greater drawing and Stretch Flanging formability than DP.	Center pillar, Front pillar, etc.
MS (Martensite)	Suitable mainly for bending parts	Bumper, Side sill, etc.
High productivity Hot stamping	Excellent in fixability. Reduced mold holding time contributes to improved productivity.	Center pillar, Front pillar, etc.

*1 TBF: Abbreviation of Trip Bainitic Ferrite. It refers to the TRIP steel characterized by lath of fine retained γ grain.

Lineup of cold-rolled steel sheets

Type \ Grade		590	780	980	1180	1270 (1300)	1470 (1500)	1700
HSLA		◎	–	–	–	–	–	–
DP	Low-YS (Drawing)	◎	◎	◎ (Low-C)	◎	◎	–	–
				◎ (Mid-C)			–	–
	High-YS (Bending)	–	–	◎	◎		–	–
MS		–	–	–	–	○	◎	△
TBF		–	–	◎	◎	–	–	–
High productivity Hot stamping		–	–	–	–	–	◎	–

◎: Mass production ○:Developed △:Under developing

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