

6C44-IH

KOBELCO

6C44-IH is a heat treatable alloy with excellent hemming performance and surfaces quality.

This grade is suitable for body skin applications, such as hood outer, door outer, fender, etc.

Temper	TS MPa	YS MPa	EL %
T4: As-delivered	≥175	90-130	≥23
2% pre-strain and 20min at 185°C	≥225	≥200	-

Chemical Composition	Wt. %
Si	0.3-1.0
Fe	≤0.35
Cu	≤0.25
Mn	≤0.20
Mg	0.40-0.80
Cr	≤0.20
Zn	≤0.10
Ti	≤0.10
Others, each	≤0.05
Others, total	≤0.15

Available Lubricants: N6130,E1,AL200,PL39SX,R303P,Nox-Rust550KH

Available surface treatments: Mill finish or EDT. Acid Etch or TiZr

Available gauge: 0.8-1.2 mm

Available width: 200-2020 mm

Available finishing processes: Trimming and Slitting.
Cut to length with Rectangle, Trapezoid, and Arc shape
(R1200,R1480,R1600,R2000,R2500,R3000,R4000)