

6C16-IH

KOBELCO

6C16-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 | 0.8-1.5 |
| Fe | ≤ 0.50 |
| Cu | ≤ 0.25 |
| Mn | ≤ 0.20 |
| Mg | 0.20-0.60 |
| Cr | ≤ 0.10 |
| Zn | ≤ 0.20 |
| Ti | ≤ 0.15 |
| 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)