

# 6K21-BRH

**KOBELCO**

6K21-BRH is a heat treatable alloy which has developed for higher bake hard response.

This grade is suitable for body parts applications required stiffness, such as reinforcement parts, etc.

Temper	TS MPa	YS MPa	EL %
T4: As-delivered	≥230	120-170	≥23
2% pre-strain and 20min at 185°C	≥260	≥230	-

Chemical Composition	Wt. %
Si	0.8-1.5
Fe	≤0.35
Cu	≤0.20
Mn	≤0.20
Mg	0.40-0.80
Cr	≤0.10
Zn	≤0.25
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:** 0.8-2.5 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)