

Overview of the applications for and requirements on high-strength alloys			
Application	Necessary end product characteristics	Related requirements on the semis	Material
Skis	Torsion-resistance, smooth running, edge grip, vibration damping	Strength, special Al e-module, isotropic properties, H ₃ PO ₄ anodised layer, bonding capability	Titanal T6
Mountaineering articles and binding components	Weight, surface design, stability	Formability, strength after heat treatment by the customer, anodising capability	Titanal soft 7075 soft 2017 T4, soft
Ski and Nordic walking sticks	Weight, toughness, stiffness	Strength after heat treatment by the customer, weldability (HF)	Titanal soft 7075 soft 2017 T4, soft
sprockets for bicycle and motor cycle	Weight, surface design, durability and wear resistance, evenness	Punching and cutting capability, strength, evenness, low tension, anodising capability	7075 T6, T7x, 2014 T3, T4
Aircraft seats	Weight	Strength, cutting capability, evenness, low tension	2017 T4, 2024 T3, 7075 T6/T7x, 6061 T6
Consumer electronics	Stability of shape, heat conduction, design capability, electro-magnetic neutrality, weight	Strength, anodising capability, formability, stamping capability, heat conductivity	6061 T6 AMG 615 2xxx T3/T4