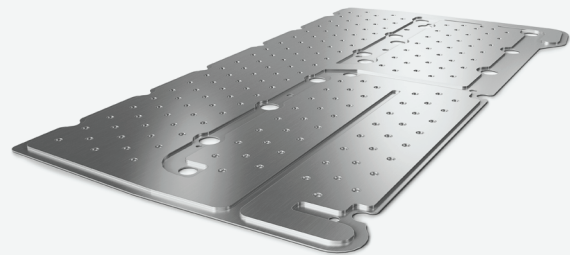


SUSTAINABLE MATERIALS FOR BATTERY COOLING PLATES

Our material solutions for brazed aluminium battery cooling plates offer low carbon footprint and performance benefits in terms of strength, corrosion resistance, hardening and composition to cover all your needs for the thermal management of Li-ion batteries.

BECAUSE SUSTAINABILITY DOES NOT NEED TO COME AT THE COST OF PERFORMANCE

Driven by sustainable innovation our material solutions for battery cooling plates help you design more energy-efficient and environmentally-friendly heat exchangers.



Selection of alloys

Alloy name	Description	Mg-content	Recycled aluminium content	Post-braze yield strength [MPa]	Post-braze tensile strength [MPa]	Corrosion potential [mV vs SCE]
FA5577	AA3003	None	Moderate	40	110	-720
FA7994	AA3003 mod	None	None	50	160	-680
FA7915		None	High	55	160	-705
FA7975		Intermediate	High	65	170	-680
FA7850	AA6060mod	High	High	75/90*	190/200*	-700

*natural/artificial aging with controlled cooling rate

Typical capability range

	Thickness [mm]	Temper	Clad content	Coil width [mm]	Coil size, OD [mm]	Coil weight [Kg]
Clad	0.6-2.0	-O / H24	5-10% (1 side)	Max 1500	Up to 1800	Up to 7500
Unclad			None			

Exceptions to the above capabilities could be made available upon request



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SUSTAINABLE ALUMINIUM SOLUTIONS

LOW CLIMATE IMPACT



CIRCULAR AND RESOURCE-EFFICIENT



RESPONSIBLY SOURCED AND PRODUCED



GRÄNGES COMMITS TO CLIMATE NEUTRALITY BY 2040

Gränges has been a leader in innovative aluminium solutions for decades. Today, the company has a demonstrated industry-leading sustainability performance. EcoVadis, the largest independent provider of business sustainability ratings, has for example awarded Gränges a Platinum rating which ranks the company in the top 1% of companies assessed globally in the industry.



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125 years

A CENTURY OF EXCELLENCE IN ALUMINIUM

Built on the foundation of 125 years of innovative engineering, materials development, a strong focus on thermal management and automotive, as well as world-class research, Gränges has become a global leader in high-performance aluminium alloys for a range of applications. Today, half of all the cars produced around the world contain material from Gränges.



GLOBAL PRESENCE, DEDICATED LOCAL TEAMS

Gränges is a proud Swedish aluminium technology company with production facilities on three continents: Asia, Europe and the Americas. All regions are IATF 16949 certified, with a total annual production capacity amounting to 560 ktonnes. We also have local technical teams on hand in every region providing the market's best technical support and engineering expertise. Whether innovating new solutions or overcoming specific challenges – we are here to help.