



**DEVILLE**  
RECTIFICATION

**Buderus** | Edelstahl



**5083**

*Aluminium alloy*  
*(Al Mg 4.5 Mn) (AG 4.5)*  
*TEMPER Rolled H111*



**Chemical analysis (weight %) Min. Max.**

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Other	Al
Min.				0.40	4.00	0.05				
Max.	0.40	0.40	0.10	1.00	4.90	0.25	0.25	0.15	0.15	remains

**Performance properties and aptitudes :**

Very good thermal conductivity. Excellent corrosion resistant in normal and marine atmospheres. Excellent weldability (TIG/MIG and resistance welding). Good machinability. Excellent technical anodisation; average decorative anodisation.

Tensile strength	250 MPA
Limit of elasticity Rp 0.2	130 MPA
Elongation %	13
Hardness HB	75
Specific gravity	2.78
Thermal conductivity W / m.k	110 - 140
Electric conductivity m/Ohm.mm <sup>2</sup>	16 - 19
Thermal stress coefficient 10-6/K	23.3
Modulus of elasticity MPA	70,000

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