



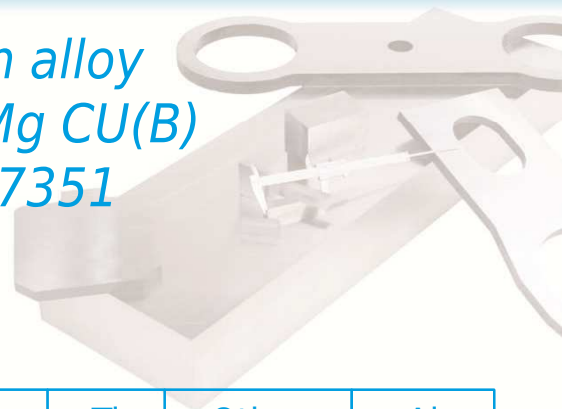
# DEVILLE RECTIFICATION

## Buderus | Edelstahl



# 7175

Aluminium alloy  
Al Zn5,5 Mg CU(B)  
TEMPER T7351



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

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Other	Al
Min			1,2		2,1	0,18	5.1			
Max	0,15	0,20	2,2	0,10	2,9	0,28	6,1	0,10	0,20	remains

### Performance properties and aptitudes :

This alloy offers a good compromise between mechanical characteristics (strength, toughness and fatigue strength) and resistance to corrosion under tension for thicknesses less than 100mm.

Because of its limited hardenability, it is advisable to use other grades for thicknesses greater than 100mm (please consult us).

Good machinability.

Anodisation is average.

Resistance to atmospheric corrosion is acceptable.

Welding can be applied by the resistance welding process.

Swaging is not advisable in the quenched state.

Tensile strength	430 / 480 MPA
Limit of elasticity Rp 0.2	340 - 390 MPA
Elongation %	6 - 7
Hardness HB	140
Specific gravity	2.80
Thermal conductivity W / m.k	155
Electric conductivity % IACS	19
Thermal stress coefficient 10-6/K	23.6
Modulus of elasticity MPA	72 000

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