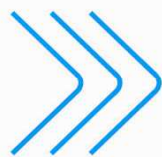




DEVILLE
RECTIFICATION

Buderus | Edelstahl



2017A

*Aluminium alloy
(Al Cu Mg 1)
TEMPER Hardened T451*



Chemical analysis (weight %) Min. Max.

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others	Al
Min.	0.20		3.5	0.40	0.40					
Max.	0.8	0.70	4.5	1.00	1.00	0.10	0.25	-	0.15	remains

Performance properties and aptitudes :

Best known under the name Duralumin. Used for resistance parts. Mechanical properties substantially the same as those of low-carbon steel but with three times less weight. General mechanics, special machines, rolling stock, public works. Malleable.

Tensile strength	375 / 426 MPA
Limit of elasticity Rp 0.2	248 - 292 MPA
Elongation %	8.4 - 14.1
Hardness HB	105
Specific gravity	2.80
Thermal conductivity W / m.k	134
Electric conductivity m/Ohm.mm ²	20
Thermal stress coefficient 10-6/K	23.6
Modulus of elasticity MPA	72,400

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