

# aluminium

*et cetera*



*lead free 2033*

Environmentally Friendly  
High machinability  
Good corrosion resistance  
High mechanical properties, etc.

## *lead free aluminium alloy 2033*

Lead free alloy 2033 is an environmentally friendly alloy, suitable for anodizing, hot forging, high-speed machining, etc. 2033 has excellent properties, such as outstanding chip-breaking characteristics, longer tool life, high mechanical properties, improved anodizing and weldability compared to alloys 2007, 2011 and 2030. It contains neither lead nor tin, and therefore meets the new requirements according to REACH, RoHS (ECHA): Pb <0.1%. Lead free 2033 replaces alloys 2007, 2011 and 2030 in most cases.

### *mechanical properties*

	Temper	Dimension (mm)	Tensile str. Rm MPa	Yield str. Rp0,2 MPa	Elongation A%	Hardness Brinell (rec. value)
Drawn	T3	≤30	370	240	7	95
Drawn	T3	30 < D ≤80	340	220	7	95
Drawn	T351	≤80	370	240	5	95
Drawn	T8	≤80	370	270	8	95
Extruded	T6	≤80	370	250	8	95
Extruded	T6	80 < D ≤250	340	220	8	95

### *chemical composition* - EN373-3

Si	FE	Cu	Mn	Mg	Cr	Ni	Zn	TI	BI	Others each	Others total
0,10	0,70	2,20	0,40	0,20	0,15	0,15	0,50	0,10	0,05	0,05	0,15
1,20	max	2,70	1,00	0,60	max	max	max	max	0,80	max	max