

Title (en)
ALUMINUM ALLOY PRECISION PLATES

Title (de)
PRÄZISIONSPLETTEN AUS ALUMINIUMLEGIERUNG

Title (fr)
TOLES DE PRECISION EN ALLIAGE D'ALUMINIUM

Publication
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Application
EP 20793025 A 20200929

Priority
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Abstract (en)
[origin: WO2021064320A1] The present invention relates to plates with a thickness of between 8 and 50 mm made of aluminum alloy having the following composition, in % by weight: Si: 0.7 - 1.3; Mg: 0.6 - 1.2; Mn: 0.65 - 1.0; Fe: 0.05 - 0.35; at least one element chosen from Cr: 0.1 - 0.3 and Zr: 0.06 - 0.15; Ti < 0.15; Cu < 0.4; Zn < 0.1; other elements < 0.05 each and < 0.15 in total, remainder aluminum and to the method for manufacturing same. The plates according to the invention are particularly useful as precision plates, notably for the production of machine elements, for example assembly or control tools. The plates according to the invention have an improved dimensional stability notably during machining steps, while having sufficient static mechanical properties, and an excellent anodizability.

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