

# INTERNATIONAL STANDARD



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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

## Aluminium machining alloys — Chemical composition and mechanical properties of alloys Al-Cu6 Bi Pb and Al-Cu4 Pb Mg

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**Descriptors :** aluminium alloys, copper-containing alloys, bismuth-containing alloys, lead-containing alloys, magnesium-containing alloys, chemical composition, mechanical properties, tensile properties.

Price based on 2 pages

## FOREWORD

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International Standard ISO 2779 was drawn up by Technical Committee ISO/TC 79, *Light metals and their alloys*, and circulated to the Member Bodies in June 1972.

It has been approved by the Member Bodies of the following countries :

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# Aluminium machining alloys — Chemical composition and mechanical properties of alloys Al-Cu6 Bi Pb and Al-Cu4 Pb Mg

## 1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the chemical composition (per cent) and minimum mechanical properties of two machining alloys : Al-Cu6 Bi Pb and Al-Cu4 Pb Mg.

## 2 REFERENCE

ISO/R 2107, *Light metals and their alloys — Temper designations.*

## 3 SYMBOLS AND ABBREVIATIONS

The symbols and abbreviations used in section 5 have the following meanings :

$R_p$  (0,2) : 0,2 % proof stress or yield strength

$R_m$  : tensile strength

$A$  : percentage elongation after rupture

$S_o$  : original cross-sectional area of the gauge length of the test piece

N/mm<sup>2</sup> : newton per square millimetre = about 0,102 kgf/mm<sup>2</sup>

1 000 lbf/in<sup>2</sup> : 1 000 pounds-force per square inch = about 6,9 N/mm<sup>2</sup>