

# 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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ISO 2779-1973 (E)

## FOREWORD

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Draft International Standards adopted by the Technical Committees are circulated to the Member Bodies for approval before their acceptance as International Standards by the ISO Council.

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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Germany  
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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

$N/mm^2$  : 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>