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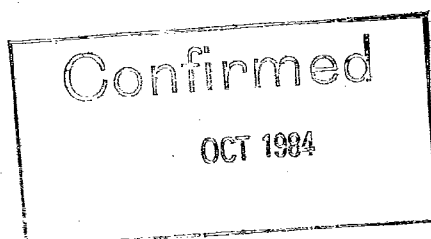
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Specification for
**Aluminium alloy sections for
structural purposes**

Spécification des profilés en alliages d'aluminium de construction

Spezifikation für Profile aus Alulegierung für Bauzwecke



British Standards Institution

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Foreword

This British Standard is a revision in metric terms of the 1951 edition. It specifies the dimensional tolerances, geometrical properties and mass per unit length of a range of extruded sections commonly used for structural purposes in aluminium alloys. In preparing this revision advantage has been taken of the opportunity to extend the range of sections to include bulb angles, lipped channels and bulb tees, although the range of sizes has been slightly reduced. One important characteristic of the process used to produce these sections is that a wide range of profiles can be obtained, thus sections not listed in this standard can be made to the purchaser's own requirements by agreement with the supplier.

The profiles and properties specified in this British Standard are independent of alloy, except in respect of mass per unit length. A list of alloys commonly used for structural sections has been included for information, together with their tensile properties, conversion factors for mass per unit length and modulus of elasticity. The chemical composition and mechanical properties of alloys designated 5083, 6063 and 6082, together with the dimensional tolerances for sections in which these alloys are produced, are specified in BS 1474. Similar information for alloys designated 5454 and 7020 is specified in BS 4300/12 and BS 4300/15 respectively. Thus BS 1474, BS 4300/12 and BS 4300/15 should be quoted, as appropriate, to specify the alloy which is required when specifying structural sections to BS 1161.