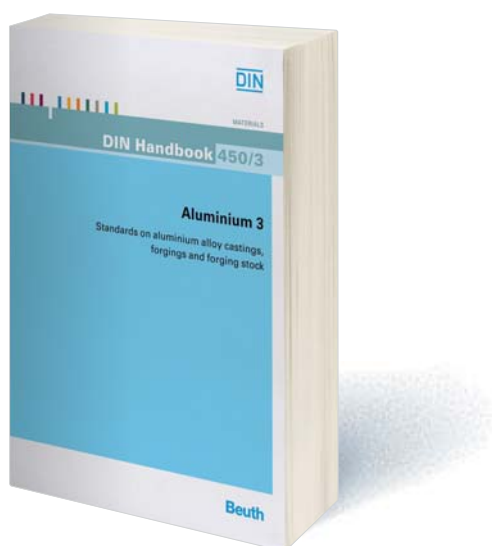


First Edition / Erstauflagen

DIN Handbook 450/3 – Aluminium 3

Standards on aluminium alloy castings, forgings and forging stock



Das Handbook stellt **erstmalig die englischen Sprachfassungen der 27 wichtigsten Normen** zu den Bereichen Hüttenaluminium, Aluminiumguss, Gussstücke, Schmiedestücke und Schmiedevormaterial bereit. Dabei werden physikalische und mechanische Eigenschaften, chemische Zusammensetzungen, Maße und Toleranzen, Bezeichnungssysteme und Technische Lieferbedingungen berücksichtigt.

This first edition of the Handbook contains 27 DIN EN Standards covering fundamental product specifications, and general and specific requirements regarding physical and mechanical properties, chemical composition, dimensions, designation systems and technical delivery conditions.

DIN Handbook 450/4 – Aluminium 4

Standards on surface treatment of aluminium – Coating and anodizing



Mit dem Handbook liegen **erstmalig die 26 Normen zur Oberflächenbehandlung von Aluminium in englischer Übersetzung** vor. Sie geben Auskunft zum Anodisieren und Beschichten von Aluminium und Aluminiumlegierungen und enthalten Festlegungen zu Technischen Lieferbedingungen, chemischen Zusammensetzungen, physikalischen und mechanischen Eigenschaften und Prüfungen, insbesondere für Erzeugnisse, die in Kontakt mit Lebensmitteln kommen.

The 26 DIN, DIN EN and DIN EN ISO Standards contained in this handbook lay down specifications regarding inspection and delivery, chemical composition, and physical and mechanical properties and testing of anodized products and anodic oxidation coatings, in particular those intended for use in contact with foodstuffs.

DIN Handbook 450/3 – Aluminium alloy castings, forgings and forging stock

DIN EN 486:2009-11 Extrusion ingots – Specifications
DIN EN 487:2009-11 Rolling ingots – Specifications
DIN EN 573-1:2005-02 Chemical composition and form of wrought products – Part 1: Numerical designation system
DIN EN 575:1995-09 Aluminium master alloys produced by melting – Specifications
DIN EN 576:2004-01 Unalloyed aluminium ingots for remelting – Specifications
DIN EN 586 Aluminium and aluminium alloy forgings
 – Part 1:1997-10 Technical conditions for inspection and delivery
 – Part 3:2002-02 Tolerances on dimensions and form
DIN EN 603 Wrought forging stock
 – Part 1:1996-11 Technical conditions for inspection and delivery
 – Part 3:2000-06 Tolerances on dimensions and form
DIN EN 1559 Founding – Technical conditions of delivery
 – Part 1:2011-05 General
 – Part 4:1999-07 Additional requirements for aluminium alloy castings
DIN EN 1676:2010-06 Alloyed ingots for remelting – Specifications
DIN EN 1780:2003-01 Designation of alloyed aluminium ingots for remelting, master alloys and castings
 – Part 1: Numerical designation system
 – Part 2: Chemical symbol based designation system
DIN EN 10204:2005-01 Metallic products – Types of inspection documents
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DIN Handbook 450/4 – Surface treatment of aluminium – Coating and anodizing

DIN 17611:2011-11 Anodized products of aluminium alloys and wrought aluminium alloys – Technical conditions of delivery

Aluminium and aluminium alloys

DIN EN 485-1:2010-02 Sheet, strip and plate – Part 1: Technical conditions for inspection and delivery
DIN EN 601:2004-07 Castings – Chemical composition of castings for use in contact with foodstuff
DIN EN 602:2004-07 Wrought products – Chemical composition of semi-finished products used for the fabrication of articles for use in contact with foodstuff
DIN EN 754-1:2008-06 Cold drawn rod/bar and tube – Part 1: Technical conditions for inspection and delivery
DIN EN 755-1:2008-06 Extruded rod/bar, tube and profiles – Part 1: Technical conditions for inspection and delivery
DIN EN 12020-1:2008-06 Extruded precision profiles in alloys EN AW-6060 and EN AW-6063 – Part 1: Technical conditions for inspection and delivery
DIN EN 14392:2008-01 Requirements for anodised products for use in contact with foodstuff

Anodizing of aluminium and its alloys

DIN EN ISO 2085:2010-12 Check for continuity of thin anodic oxidation coatings – Copper sulfate test
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