



DRAFT AMENDMENT ISO 3116:2001/DAmD 1

ISO/TC 79/SC 5

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

Magnesium and magnesium alloys — Wrought magnesium alloys

AMENDMENT 1

Magnésium et alliages de magnésium — Alliages de magnésium corroyés

AMENDEMENT 1

ICS 77.120.20

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ISO 3116-DAM 1 was prepared by Technical Committee ISO/TC 79, *Light metals and their alloys*, Subcommittee SC 5, *Magnesium and alloys of cast and wrought magnesium*.

This second/third/... edition cancels and replaces the first/second/... edition (), [clause(s) / subclause(s) / table(s) / figure(s) / annex(es)] of which [has / have] been technically revised.

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Introduction

The reason for this amendment is to clarify that requirements to chemical composition relates to cast analysis, and to adjust elongation values for some alloys and tempers.

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Magnesium and magnesium alloys — Wrought magnesium alloys

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Page 2, item 4.1

Replace the existing text with the following new text:

The chemical composition of wrought magnesium alloys, taken as cast analysis at the time the material is cast, shall conform to the requirements for the appropriate material given in Table 1.

Page 9, Table 10 and Table 11

Replace the existing Table 10 and Table 11 with the following new tables with adjusted elongation values.

Table 10 — Alloy ISO-MgY5RE4Zr

Temper	Thickness mm	Tensile strength R_m N/mm ² min	0,2 % proof stress $R_{p0,2}$ N/mm ² min	Elongation A % min
Bars and solid sections $t = D$ for solid round bars				
T5	$10 \leq t \leq 50$	250	170	6
	$50 < t \leq 100$	250	160	6
T6	$10 \leq t \leq 50$	250	160	6
	$50 < t \leq 100$	250	160	6
Forgings				
T5	All	290	155	6
T6	All	260	165	6
Note Values for separately forged test pieces must be agreed between manufacturer and customer				

Table 11 — Alloy ISO-MgY4RE3Zr

Temper	Thickness mm	Tensile strength R_m N/mm ² min	0,2 % proof stress $R_{p0,2}$ N/mm ² min	Elongation A % min
Bars and solid sections $t = D$ for solid round bars				
T5	$10 \leq t \leq 50$	230	140	5
	$50 < t \leq 100$	220	130	5
T6	$10 \leq t \leq 50$	220	130	6
	$50 < t \leq 100$	220	130	6
Forgings				
T5	All	280	150	6
T6	All	255	160	6
Note Values for separately forged test pieces must be agreed between manufacturer and customer				

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