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NSAI Standards

Irish Standard
I.S. EN 4136:2009

Aerospace series - Bolts, normal bi-hexagonal head, coarse tolerance normal shank, long thread, in alloy steel, cadmium plated - Classification: 1 100 MPa (at ambient temperature) / 235 °C

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I.S. EN 4136:2009

Incorporating amendments/corrigenda/National Annexes issued since publication:
EN 4136:2009/AC:2010

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This document replaces:	*This document is based on:*	*Published:*
	EN 4136:2009	1 July, 2009

This document was published under the authority of the NSAI and comes into effect on: 9 September, 2009	ICS number: 49.030.30

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 4136:2009/AC

September 2010
Septembre 2010
September 2010

ICS 49.030.30

English version
Version Française
Deutsche Fassung

Aerospace series - Bolts, normal bi-hexagonal head, coarse tolerance normal shank, long thread, in alloy steel, cadmium plated - Classification: 1 100 MPa (at ambient temperature) / 235 °C

Série aérospatiale - Vis à tête bihexagonale normale, tige normale à tolérance large, filetage long, en acier allié, cadmiées - Classification: 1 100 MPa (à température ambiante) / 235 °C

Luft- und Raumfahrt - Zwölfkantschrauben, langes Gewinde, aus legiertem Stahl, verkadmet - Klasse: 1 100 MPa (bei Raumtemperatur) / 235 °C

This corrigendum becomes effective on 22 September 2010 for incorporation in the three official language versions of the EN.

Ce corrigendum prendra effet le 22 septembre 2010 pour incorporation dans les trois versions linguistiques officielles de la EN.

Die Berichtigung tritt am 22.September 2010 zur Einarbeitung in die drei offiziellen Sprachfassungen der EN in Kraft.

EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: Avenue Marnix 17, B-1000 Brussels

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Ref. No.:EN 4136:2009/AC:2010 D/E/F

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1 Modification to Figure 1

In the key, group all items in one column (simple editorial improvement).

2 Modification to Table 1

In the 1st part of the table, 1st line (Diameter code), 4th column (D_2), replace "$^{0}_{-0,5}$" with "$^{+0,5}_{0}$" to read as follows:
"

Table 1

Diameter code	Thread [a]	D_1 h12	D_2 $^{+0,5}_{0}$	D_3 ± 0,5	D_4 min.	D_5 min.	D_6 max.	D_7 H13	H min.	K h15	L_1 [b, c, d] min.	L_2 [b, c, d] max.
050	MJ5×0,8 - 4h6h	5	3,2	3,4	6,8	8,3	9,1	1	1	6,5	0,5	4
060	MJ6×1 - 4h6h	6	4,1	4,2	7,8	9,8	10,6	1,4	1,2	7,5	0,7	
070	MJ7×1 - 4h6h	7	4,9	5,2	8,8	11,3	12,1		1,4	8,2		
080	MJ8×1 - 4h6h	8	5,2	6,2	9,8	12,8	13,6		1,6	8,6		
100	MJ10×1,25 - 4h6h	10	6,7	7,9	11,8	15,7	16,7	1,6	2	10,1	0,8	6
120	MJ12×1,25 - 4h6h	12	8	9,8	13,7	18,8	19,9		2,4	11,4	0,9	

Diameter code	L_3	$L_4 \pm 0,3$ [d, e]		P	R		S $^{+0,4}_{0}$	T min.	Wrenching dash number [f]	Mass [g]	
		Length code	nom.		nom.	Tol.				h	i
050	16	020 to 070	20 to 70	4,5	0,5	$^{0}_{-0,2}$	2,5	2,8	7	4,410	0,306
060	18	022 to 084	22 to 84	5,2	0,7		2,8	3,5	8	6,655	0,444
070	20	024 to 098	24 to 98	5,9			3,3	3,8	9	9,716	0,604
080	22	026 to 112	26 to 112	6,3			3,7	3,9	10	13,956	0,790
100	26	032 to 140	32 to 140	7,7	0,8		4,7	4,2	12	25,653	1,232
120	30	036 to 168	36 to 168	8,8	0,9	$^{0}_{-0,3}$	5,6	4,5	14	42,337	1,774

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[a] In accordance with ISO 5855-2.
[b] First length corresponding to first L_4 length.
[c] Condition L_1 min. and L_2 max. cannot be obtained simultaneously.
[d] Increments: - 2 for $L_4 \leq 100$; - 4 for $L_4 > 100$.
[e] If greater lengths are required, they shall be chosen using the above increments. The length code corresponds to the length L_4, completed by one or two zeros to the left, where necessary, to obtain a three digit code.
[f] In accordance with ISO 4095 over T min.
[g] Approximate values (kg/1 000 pieces), calculated on the basis of 7,85 kg/dm^3, given for information purposes only. They apply to bolts without holes.
[h] Value for head and first L_4.
[i] Increase for each additional 2 mm of L_4.

".

3 Modification to Clause 6

Replace the items a) and b) with hyphens (reformatting) (simple editorial improvement).

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 4136

July 2009

ICS 49.030.30

English Version

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Foreword

This document (EN 4136:2009) has been prepared by the Aerospace and Defence Industries Association of Europe - Standardization (ASD-STAN).

After enquiries and votes carried out in accordance with the rules of this Association, this Standard has received the approval of the National Associations and the Official Services of the member countries of ASD, prior to its presentation to CEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by January 2010, and conflicting national standards shall be withdrawn at the latest by January 2010.

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