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AMENDMENT 1
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Welding consumables — Solid wires and rods for fusion welding of titanium and titanium alloys — Classification

AMENDMENT 1

*Produits consommables pour le soudage — Fils pleins et baguettes
pleines pour le soudage par fusion du titane et des alliages de titane —
Classification*

AMENDEMENT 1



Reference number
ISO 24034:2005/Amd.1:2008(E)

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Amendment 1 to ISO 24034:2005 was prepared by Technical Committee ISO/TC 44, *Welding and allied processes*, Subcommittee SC 3, *Welding consumables*.

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Insert in a cell immediately above the footnotes:

“NOTE Corresponding national classifications are shown in Annex B.”

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Add Annex B (see p. 2).

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Add Bibliography (see p. 3).

Annex B (informative)

Corresponding national classifications

Table B.1 — Corresponding national classifications

ISO 24034		USA		Japan	Germany
Alloy symbols		AWS A5.16/ A5.16M:2004 ^[1]	Aerospace materials specification	JIS Z3331 ^{[7]a,b}	DIN 1737-1 ^[8]
Numerical	Chemical				
Ti 0100	Ti99,8	ERTi-1		YT _x 270	3.7026
Ti 0120	Ti99,6	ERTi-2		YT _x 340	
Ti 0125	Ti99,5	ERTi-3	AMS 4951 ^[2]	YT _x 480	
Ti 0130	Ti99,3	ERTi-4		YT _x 550	3.7036
Ti 2251	TiPd0,2	ERTi-11		YT _x 270Pd	3.7226
Ti 2253	TiPd0,06	ERTi-17			
Ti 2255	TiRu0,1	ERTi-27			
Ti 2401	TiPd0,2A	ERTi-7		YT _x 480Pd	3.7236
Ti 2403	TiPd0,06A	ERTi-16		YT _x 340Pd	
Ti 2405	TiRu0,1A	ERTi-26			
Ti 3401	TiNi0,7Mo0,3	ERTi-12			
Ti 3416	TiRu0,05Ni0,5	ERTi-15A			
Ti 3423	TiNi0,5	ERTi-13			
Ti 3424	TiNi0,5A	ERTi-14			
Ti 3443	TiNi0,45Cr0,15	ERTi-33			
Ti 3444	TiNi0,45Cr0,15A	ERTi-34			
Ti 3531	TiCo0,5	ERTi-30			
Ti 3533	TiCo0,5A	ERTi-31			
Ti 4621	TiAl6Zr4Mo2Sn2		AMS 4952 ^[3]		
Ti 4810	TiAl8V1Mo1		AMS 4955 ^[5]		
Ti 5112	TiAl5V1Sn1Mo1Zr1	ERTi-32			
Ti 6320	TiAl3V2,5	ERTi-9		YT _{Ax} 3250	
Ti 6321	TiAl3V2,5A	ERTi-9ELI			
Ti 6324	TiAl3V2,5Ru	ERTi-28			
Ti 6326	TiAl3V2,5Pd	ERTi-18			
Ti 6400	TiAl6V4	ERTi-5	AMS 4954 ^[4]	YT _{Ax} 6400	
Ti 6402	TiAl6V4B		AMS 4956 ^[6]	YT _{Ax} 6400E	
Ti 6408	TiAl6V4A	ERTi-23			
Ti 6413	TiAl6V4Ni0,5Pd	ERTi-25			
Ti 6114	TiAl6V4Ru	ERTi-29			
Ti 6415	TiAl6V4Pd	ERTi-24			

^a "x" designates the filler metal form, i.e. B = rods, W = wire.

^b These alloys are the nearest equivalent of the relevant national standards.