# INTERNATIONAL **STANDARD**

ISO 24034

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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 — JOEMEN CHICK TO VIEW THE STANDARDS ISO. COM. Click to VIEW THE Classification

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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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# Welding consumables — Solid wires and rods for fusion

# Annex B

(informative)

# **Corresponding national classifications**

Table B.1 — Corresponding national classifications

ISO 24034  Alloy symbols  Numerical Chemical		USA		Japan	Germany
		AWS A5.16/ A5.16M:2004 <sup>[1]</sup>	Aerospace materials specification	JIS Z3331 <sup>[7]a,b</sup>	DIN (1737-1 <sup>[8]</sup>
Ti 0100	Ti99,8	ERTi-1		YTx270	3.7026
Ti 0120	Ti99,6	ERTi-2		YTx340	
Ti 0125	Ti99,5	ERTi-3	AMS 4951 <sup>[2]</sup>	YTx480	
Ti 0130	Ti99,3	ERTi-4		VTx550	3.7036
Ti 2251	TiPd0,2	ERTi-11		YTx270Pd	3.7226
Ti 2253	TiPd0,06	ERTi-17			
Ti 2255	TiRu0,1	ERTi-27	, 0		
Ti 2401	TiPd0,2A	ERTi-7	-O <sup>k</sup>	YTx480Pd	3.7236
Ti 2403	TiPd0,06A	ERTi-16		YTx340Pd	
Ti 2405	TiRu0,1A	ERTi-26	FULL		
Ti 3401	TiNi0,7Mo0,3	ERTi-12	ne.		
Ti 3416	TiRu0,05Ni0,5	ERTi-15A	N		
Ti 3423	TiNi0,5	ERTi-13	(O)		
Ti 3424	TiNi0,5A	ERTi-14	7		
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 <sup>[3]</sup>		
Ti 4810	TiAl8V1Mo1		AMS 4955 <sup>[5]</sup>		
Ti 5112	TiAl5V1Sn1Mo1Zr1	ERTi-32			
Ti 6320	TIAI3V2,5	ERTi-9		YTAx3250	
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 <sup>[4]</sup>	YTAx6400	
Ti 6402	TiAl6V4B		AMS 4956 <sup>[6]</sup>	YTAx6400E	
Ti 6408	TiAl6V4A	ERTi-23			
Ti 6413	TiAl6V4Ni0,5Pd	ERTi-25			
Ti 6114	TiAl6V4Ru	ERTi-29			
Ti 6415	TiAl6V4Pd	ERTi-24			

<sup>&</sup>quot;x" designates the filler metal form, i.e. B = rods, W = wire.

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