


# VdTÜV-Kennblatt for welding consumables

		1 Manufacturer/Supplier Kobelco Welding of Europe B.V. with manufacturer's works according to VdTÜV list 1000		2 No. of VdTÜV-Kennblatt: 12480.02 04.2014	
3 Welding consumable*:		Fülldrahtelektrode			
4 Trade name*:		DW-A55ESR			
7 Type*:		EN ISO 17632-A - T 42 4 P M 1 H5			
11 Diameter range:		1,2 mm			
12 Auxiliary materials:		EN ISO 14175 - M21			
13 The validity of this Kennblatt will be certified, respectively, in the latest edition of CD-ROM TÜV-eignungsgeprüfte Schweißzusätze					
15 Materials and postweld heat treatment					
Pos	Wb	Group / Material 1	Text	Group / Material 2	Remarks
	U	Gruppe 1.2			
	S	Gruppe 1.2			
	S	Gruppe 1.3 (ReH max. 420 MPa)			
	U	Gruppe 1.3 (ReH max. 420 MPa)			
	U	Gruppe 2.1			
	S	Gruppe 3.1 (ReH max. 420 MPa)			
	U	Gruppe 3.1 (ReH max. 420 MPa)			
16 Material groups acc. to CR ISO 15608					
21 Root weldability:		verified			
23 Wall thickness:		max. 50 mm			
24 Type of current and polarity:		G+			
25 Welding position according to DIN ISO 6947:		PA, PB, PC, PD, PE, PF			
26 Highest operating temperature in the short-term range as for parent metal, but not higher than:				U; S: 350°C	
27 Highest operating temperature in the long-term range max.:				--- °C	
28 Lowest operating temperature/as for parent metal, but not lower than:				U; S: -40°C	
29 Design stress value/as for parent metal:		wie Grundwerkstoff im Kurzzeitbereich			
30 For use in the long-term range:		---			
31 Resistance to intergranular corrosion proven in accordance with:		---			
32 Remarks: Im reinen Schweißgut wurde der Gehalt an diffusiblem Wasserstoff mit HD ≤ 5cm <sup>3</sup> /100g nachgewiesen.  Zu Zeile 21 Wurzelschweißbarkeit: Die Wurzelschweißbarkeit wurde nur auf Keramikunterlage nachgewiesen.					
33 The approval test was done on the basis of VdTÜV-Merkblatt 1153. Where nothing different is said under the heading -Remarks-, this welding consumable is suitable provided Annex I Point 4 of the Pressure Equipment Directive 97/23/EC is observed.					
34 Explanations		A tempered L solution annealed and quenched N normalized	S stress-relieved St stabilized U non-annealed V hardened and tempered	W soft annealed	G+ direct current plus pole G- direct current minus pole W alternating current
35 Compiled in accordance with the data of:		TÜV Rheinland			
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\*) Statements of the manufacturer