TÜVRheinland®

Scope:	☒ Directive 2014/68/EU Annex I point 4.3	☐ EN 764-4	☒ AD 2000-Merkblatt W 0

Certificate holder (Manufacturer of materials)		Manufacturing plant	Nationality	Page No.:	1	
Company Name:	Lippische Eisenindustrie GmbH	Lippische Eisenindustrie GmbH	D	of :	2	TÜV Rheinland
Location:	Alter Weg 57, 32760 Detmold	Alter Weg 57, 32760 Detmold		Date:	19.03.2026	Industrie Service
				Rev.:	4	GmbH

Cur -	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions Thick-ness mm from	Dimensions Thick-ness mm Up to	Dimensions ∅ mm from	Dimensions ∅ mm Up to	Weight max 1=t / 2=kg ⇓	Weight max 1=t / 2=kg result	Technical Specifications Requirements Technical Regulations	Remarks
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10
1. Materials according to harmonized European standards (hEN) and European Approval for Materials (EAM) acc. Directive 2014/68/EU												
The use of the materials according to Directive 2014/68/EU is bound to the publication of Harmonized European Standards or to the qualification by a European material approval or to the particular material appraisal. With that the manufacturing reliability for equivalent material grades according to other standards (e.g. BS, AFNOR, ASME) is proved. The requirements and limits of the applicable code respectively the PED must be observed for the use of material grades listed in column 2 to 4.												
1	Carbon steel Strength classes 5 und 8	DIN EN 10269 DIN EN ISO 898-2	+QT, +N	Nuts	-	-	M10	M64	-	-	DIN EN ISO 898-2	Geometry/ testing acc. DIN 934 possible
2	C35E+N; C35E+QT; 25CrMo 4; 21CrMoV 5-7; 42CrMo 4	DIN EN 10269 DIN 267-13	+QT, +N	Nuts	-	-	M12	M64	-	-	DIN 267-13	
3	A2-50; A4-50	DIN EN ISO 3506-2	+AT	Nuts	-	-	M12	M42	-	-	DIN EN ISO 3506-2	
4	A2-70; A4-70;	DIN EN 10269 DIN EN ISO 3506-2	+AT	Nuts	-	-	M12	M42	-	-	DIN EN ISO 3506-2	Height of nut H = D for test stress 700 MPa acc. DIN EN ISO 3506-2

Remarks	+AT = solution annealed	+NT = normalized and tempered	a = PMA for the use in pressure equipment in Directive 2014/68/EU neccessary
	+AR = as rolled	+QT = quenched and tempered	
	+M = thermo mechanical treated	+S = soft annealed	
	+N = normalized or normalizing formed	+SR = stress relieved	

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1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10
2. Materials according to the AD 2000-Code												
The use of the materials according to DGR 2014/68/EU is bound to the publication of Harmonized European Standards or to the qualification by a European material approval or to the particular material appraisal. With that the manufacturing reliability for equivalent material grades according to other standards (e.g. BS, AFNOR, ASME) is proved. The requirements and limits of the applicable code respectively the PED must be observed for the use of material grades listed in column 2 to 4.												
1	Kohlenstoffstahl Festigkeitsklasse 5 und 8	DIN EN ISO 898-2 AD 2000 W7/1	+QT,+N	Nuts	-	-	M12	M64	-	-	AD 2000 W 7	a for nominal width above M39 acc. AD 2000 W7/1, section 2.1 Geometry/ testing acc. DIN 934 possible
2	C35E+N; C35E+QT; 21CrMoV 5-7; 42CrMo 4	DIN EN 10269 DIN 267-13, AD 2000 W7/1	+QT, +N	Nuts	-	-	M10	M64	-	-	AD 2000 W 7	
3	25CrMo 4	DIN EN 10269, AD 2000 W7/1,DIN 267-13	+QT,+N	Nuts	-	-	M10	M64	-	-	AD 2000 W 7 AD 2000 W 10	
4	A2-50; A4-50	DIN EN 10269, AD 2000 W7/2, AD 2000 W10, DIN EN ISO 3506-2	+AT	Nuts	-	-	M12	M39	-	-	AD 2000 W 2	a for nominal widths above M 39
5	A2-70; A4-70	DIN EN 10269 DIN EN ISO 3506-2; AD 2000 W7/2, AD 2000 W10	+AT	Nuts	-	-	M12	M39	-	-	AD 2000 W 2	a for nominal widths above M 39

Remarks

+AT	= solution annealed	+NT	= normalized and tempered	a	= PMA for the use in pressure equipment in Directive 2014/68/EU neccessary
+AR	= as rolled	+QT	= quenched and tempered		
+M	= thermo mechanical treated	+S	= soft annealed		
+N	= normalized or normalizing formed	+SR	= stress relieved		