

TÜV NORD Systems GmbH & Co. KG

Notified Body for Pressure Equipment Directive (PED), Reg. No. 0045

Scope of approval for material manufacturer acc. to Pressure Equipment Directive 2014/68/EU, annex I, sec. 4.3 and AD 2000-Merkblatt W0



Firm : "Volzhsky Pipe Plant" JSC
Place: 404119 Volzhsky

Annex to the certificate
2014/68/EU no : 07-202-9190-WZ-0903/20
AD 2000-W0 no : 07-203-9190-WP-0903/20

Date : 01.06.2020, Rev. 1
File no : 4320213/01
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Item No.	Name of material Material number	Specification	Condition of delivery	Type of product	Dim. [mm] Thickness	Dim. Ø [mm] Weight [kg, t]	Regulations Requirements	Remarks
1	P235TR2, P265TR2	DIN EN 10216-1	N	Seamless pipes, hot rolled	4 28	42 426	APZ 3.1 AD 2000 Merkblatt W 4	Certifies acc. to PED annex I, sec. 4.3 by the notified body of TÜV NORD GmbH (Reg. no. 0045).
2	P235GH, P265GH, 16Mo3 13CrMo4-5	DIN EN 10216-2	N NT	Seamless pipes, hot rolled	4 28	42 426	APZ 3.1 APZ 3.2 AD 2000 Merkblatt W 4	In connection with the regulations within mechanical and technological requirements of PED. The specific operation conditions have to be given by the pressure equipment manufacturer. If necessary, the involved notified body has give his agreement.
3	X6CrNiTi18-10, X6CrNiMoTi17-12-2 X2CrNiMo18-14-3, X2CrNi19-11 X5CrNi 18-10 (1.4301), X2CrNi 18-9 (1.4307), X5CrNiMo 17-12-2 (1.4401); X2CrNiMo 17-12-2 (1.4404)	DIN EN 10216-5	AT	Seamless pipes, hot rolled	5 22	42 273	For wall thickness >5,6 mm it is essential APZ 3.2 AD 2000 Merkblatt W 2.	Additional Remarks: acc. to TRD 100 b) The essential safety requirements are fulfilled
4	S235JRH, S355J2H	DIN EN 10210-1	N, AR, QT	Hollow sections, hot rolled	4 50	42 426		Hollow sections for construction with CE marking for CPR.
5	S420MH, S420MLH, S460MH, S460MLH S460NH, S460NLH S235JRH, S355NH, S355MH S355J0H, S355J2H, S355K2H	DIN EN 10219-1	M N N N	Cold formed welded hollow sections	7 40	508 1422		Cold formed welded structural hollow sections for construction with CE marking for CPR.
6	S420MH, S420MLH, S460MH S460MLH, S460NH, S460NLH S355J0H, S355J2H, S355K2H	DIN EN 10219-1	M N +QT/V	SAWH Pipes	6 16	530 1422		Cold formed welded structural hollow sections for construction with CE marking for CPR.
7	S420MH, S420MLH, S460MH S460MLH, S460NH, S460NLH S355J0H, S355J2H, S355K2H	DIN EN 10219-1	M	SAWH Pipes	14 22	1422 2520		Cold formed welded structural hollow sections for construction with CE marking for CPR.
<p>Explanation: +AT/ AT = solution heat treated N = normalized NT = normalized and annealed AR = as rolled</p> <p>+QT / V = quenched and tempe U = without annealing A = soft annealed</p> <p>M = thermomechanical treated S = stress relieved CR = controlled hot rolled</p>								For pipes manufacturing in accordance with the standards which are not included in Summary list of titles and references harmonized standards under Directive 2014/68/EU for pressure equipment, the pressure equipment manufacturer shall provide material manufacturer with PMA (Appendix I, par. 4.2).

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					Thickness	Weight [kg, t]	Weight [kg, t]	Weight [kg, t]		
8	L245N, L290N, L360N, L415N L360Q, L415Q, L450Q, L485Q, L550Q	DIN EN ISO 3183	N, QT	Seamless pipes, hot rolled	4	33	42	426	DIN EN ISO 3183	Without PED, annex I, sec. 4.3 and AD-2000 and AD Merkblatt W0 qualification.
9	L245M, L290M, L360M, L415M, L450M, L485M, L555M	DIN EN ISO 3183	*)	SAWH Pipes	6	16	530	1422	DIN EN ISO 3183	
10	L245M, L290M, L360M, L415M, L450M, L485M, L555M	DIN EN ISO 3183	M	SAWL Pipes	8	40	508	1422	DIN EN ISO 3183	
11	E 275, E 315, E 355 E 275K2, E 355K2, E 420J2 E 470 C 22E, C 35E, C 45E 25CrMo4, 30CrMo4, 34CrMo4	DIN EN 10297-1	N, AR N AR N, QT QT	Seamless pipes, hot rolled	4	50	42	426		Tubes for mechanical purposes.
12	X6CrNiMoTi 17 12 2, X6CrNiTi 18 10	DIN EN 10297-2	AT		4	28	42	426		Tubes for mechanical purposes.
13	P235TR1, P265TR1	DIN EN 10217-1	AR AR	SAWL Pipes	8	40	508	1422		only "C1" + Category I / PED
				SAWH Pipes	6	16	530	1420		only "C1" + Category I / PED
14	P235TR1, P265TR1, S355J2, 16MnCr5, 20MnCr5, 42CrMoS4, L 290, L 360, L 415 C45E, SA1A, RN-32			Continuous casting billets.	360 360 x 360 360 360 x 360	156 240 x 240 156 240 x 240			Specifications are agreed according to requirements of customers.	Semiproduct for seamless pipes.
15	For information only 1) 347/347H 316/316L 304/304L 321/321H	SA-312 / A312 SA-213 / A213		Seamless pipes, hot rolled	5	22	42	273		1) PED 2014/68/EU material conformity shall be confirmed by the pressure equipment Manufacturer in the form PMA (Particular Material Appraisal) (Appendix I, par. 4.2. PED 2014/68/EU).

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NT = normalized and annealed

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+QT / V = quenched and tempe

U = without annealing

A = soft annealed

M = thermomechanical treated

S = stress relieved

CR = controlled hot rolled

*) By the manufacturing von SAWH tubes acc. to EN ISO 3183 (without post welding heat treatment) is appropriate welding qualification necessary.