Zertifika	at
	Qualitätsmanagement-System für Werkstoffhersteller nach Richtlinie 2014/68/EU
Zertifikatsnummer:	01 202 926/Q-01 0026
Name und Anschrift des Zertifikatsinhaber:	Wilhelm Schulz GmbH Kuhleshütte 111 47809 Krefeld Deutschland
	Hiermit wird bescheinigt, dass der Hersteller ein QM-System eingeführt hat und anwendet. Dieses wurde gemäß der Richtlinie 2014/68/EU, Anhang I, Kap 4.3 in Bezug auf die im Geltungsbereich genannten Werkstoffe einer spezifischen Überprüfung unterzogen.
Prüfgrundlage:	QM-System nach EN 764-5, Abschnitt 4.2 und AD 2000-Merkblatt W0
Prüfbericht Nr.:	01 202 926/Q-01 0026
Geltungsbereich:	Nahtlose Rohre und nahtlose / geschweißte Fittings, siehe Anlage zum Zertifikat
Fertigungsstätte:	Wilhelm Schulz GmbH Kuhleshütte 111 47809 Krefeld Deutschland
Gültigkeit:	Dieses Zertifikat ist gültig vom 11.08.2021 bis 30.05.2024. Erstausstellung: 2001
Köln, 11.08.2021	DiplIng. (FH) Vera Ruff 0035 0
TÜV Rheinland Industrie Service GmbH	

® TÜV, TUEV und TUV sind eingetragene Marken. Eine Nutzung und Verwendung bedarf der vorherigen Zustimmung.



E-108a

www.tuv.com

Notifizierte Stelle für Druckgeräte, Kennnummer: 0035 Am Grauen Stein, D-51105 Köln



Sco acc	ope ording to	Directive Annex I §	2014/68/EU §4.3		🗌 EN 76	4-4				AE Me	D 2000 erkbla	0- itt W0		Regulatio No. 305/2	n (EU) 2011(System 2+)
		Manufactu	rer			Work				Nationalit	ÿ	Date	I	Page No	
Corr	npany Name: Will	helm Schulz GmbH			Wilhelm Schulz	GmbH				D	2	25.05.21		1	TÜV Rheinland
Loca	ation: Kul 478 Ge	hleshütte 111 309 Krefeld rmany			Kuhleshütte 111 47809 Krefeld Germany						F	Rev.:20	of :	12	Industrie Service GmbH
Cur	Mater Mater	ials-term rials-No.	Material Specification	Delivery Cond.	Article Type of Product		Dime	ensions		Weight max	Te Spe	echnical ecification	s		Remarks
						Thi	ck-	Ø	5		Req	quirement	s		
						from	m Up	mr from	n Up	1=t / 2=kg ↓ res	Te Reg	echnical gulations			
1		2	3	4	5	6a	6b	7a	7b	8a 8b		9			10
1. N	Aaterials acco	ording to harm	onized Europea	n standar	ds (hEN) and	Euro	pean	Appr	oval	for Mater	rials (I	EAM) a	cc.	Directive 20	014/68/EU
The parti the a	Materials according to harmonized European standards (hEN) and European Approval for Materials (EAM) acc. Directive 2014/68/EU 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 ticular 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 applicable code respectively the PED must be observed for the use of material grades listed in column 2 to 4.														
1	Austenitic steels	S	DIN EN 10253-4	AT	Cap Collar Stub end	3	28	15	500 400 200		DIN EI	N 10253-	4	made from pla	ate
2	Austenitic steels	S	DIN EN 10028-7	AT	Flange	3	28	15	200		EN 109	92		Table 3 of EN made from pla	10028-7 ate
3	X2CrNiMoN22- X1CrNiMoCuN2 X1CrNiMoCuN2 X1CrNiMoCuN2 X2CrNiMoN25- X2CrNiMoCuW	5 (1.4462) 20-18-7 (1.4547) 25-20-7 (1.4529) 25-20-5 (1.4539) 7-4 (1.4410) N25-7-4 (1.4501)	DIN EN 10253-4	АТ	Сар	1,6	28	15	500		DIN E	N 10253-	4	made from pla	ate
<u>Rem</u>	harks +AT +AR +M +N	= solution anneal = as rolled = thermo mechar = normalized or r	ed nical treated normalizing formed		+NT = no +QT = qu +S = so +SR = str	rmalize encheo ft anne ess rel	ed and d and aled ieved	I temper tempere	red ed			a =	PM.	A for the use in bire only 2014/	n pressure equipment 68/EU neccessary
Anne	ex_To_Certificate ((	006) Aktuel.Docx					Ν	/IS-00315	559 E-	007-E rev.01	L	Λ	Indus	136755	page 1/12



Sco acc	pe ording to	Directive Annex I		🗌 EN 76	4-4				$\boxtimes$	AD Me	) 200 erkbla	00- att W0		Regulatio No. 305/2	n (EU) 2011(System 2+)	
		Manufactu	rer			Work				Ν	lationality	у	Date		Page No	
Com	pany Name: \	Vilhelm Schulz GmbH	1		Wilhelm Schulz (	GmbH					D	:	25.05.21		2	TÜV Rheinland
Loca	tion:	Kuhleshütte 111			Kuhleshütte 111											Industrie Service
		17809 Krefeld Germany		1	47809 Krefeld Germany					-			Rev.:20	of :	12	GmbH
Cur	Ma Ma	terials-term terials-No.	Material Specification	Delivery Cond.	Article Type of Product		Dime	ensions		v	Veight max	T Sp	echnical ecification	าร		Remarks
						Thie	ck-	Q	Ø			Re	quirement	ts		
						ne	SS	m	m		1_+ /	т	ochnical			
					1111		111			2 = kg	Re	egulations	3			
					from	Up	from	Up	↓	J res		-				
1		2	1	5	62	to 6b	72	to 7b	8	ult a 8h		9			10	
1. N	laterials ac	cording to harm	onized Europear	n standar	ds (hEN) and	Euro	pean		oval	for	r Mater	ials	(EAM) a	acc.	Directive 20	014/68/EU
The upartient the a	I. 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 Darticular 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					1								
4	Ferritic steels	5	DIN EN 10253-2	N	Сар	3	10	15	500			DIN E	N 10253-	-2	made from pla	ite
5	Ferritic steels	5	DIN EN 10253-2	N	Flange	3	10	15	200			DIN E	N 10253-	-2	made from pla	ite
6	Austenitic ste	els	DIN EN 10253-4	AT	Elbow r/da>1.0 Tee Reducer	1,6	50	15	600			DIN E	EN 10253-	-4	made from sea pipe	amless and welded
7	X2CrNiMoN2 X1CrNiMoCu X1CrNiMoCu X1CrNiMoCu X2CrNiMoN2 X2CrNiMoCu	2-5 (1.4462) N20-18-7 (1.4547) N25-20-7 (1.4529) N25-20-5 (1.4539) 5-7-4 (1.4410) WN25-7-4 (1.4501)	AT	Elbow r/da>1.5 Tee Reducer	1,6	60	15	600			DIN E	IN 10253-	-4	Welded from sea Welded pipe a	amless pipe / nd plates	
Rema	arks +/	AT = solution annea	led		+NT = no	rmalize	ed and	tempe	ered				a	1BK	As for the use in	n pressure equipment
	+/	Arc = as rolled A = thermo mecha	nical treated		+ui = qu +S = so	encheo ft anne	aled	lemper	ea		General		12	Irial	Sector 2014/	Do/EU neccessary
	+	<pre>N = normalized or</pre>	normalizing formed		+SR = str	ess rel	ieved									



Scc acc	cording to Directive 2014/68/EU Annex I §4.3				EN 76	4-4					AD 2 Merk	:000- blatt W0		Regulatio No. 305/2	on (EU) 2011(System 2+)
		Manufactu	rer			Work				Na	ationality	Date		Page No	
Corr	pany Name: Will	nelm Schulz GmbH			Wilhelm Schulz (	GmbH					D	25.05.21		3	TÜV Rheinland
Loca	ation: Kuł 478 Gen	hleshütte 111 309 Krefeld rmany			Kuhleshütte 111 47809 Krefeld Germany							Rev.:20	of :	12	Industrie Service GmbH
Cur -	Materi Mater	als-term ials-No.	Material Specification	Delivery Cond.	Article Type of Product		Dime	ensions		We n	eight nax	Technical Specificatior	าร		Remarks
						Thio	ck- SS	Q	Ø			Requiremen	ts		
					mr	n	m	m	1 2=	=t / =kg	Technical Regulations	5			
						from	Up to	from	Up to	↓	res ult		-		
1		2	3	4	5	6a	6b	7a	7b	8a	8b	9			10
1. N	laterials acco	ording to harm	onized Europear	n standar	ds (hEN) and	Europ	bean	Аррі	roval	for I	Materia	ls (EAM) a	acc.	Directive 2	014/68/EU
The parti the a	use of the materia cular material app pplicable code res	Is according to Dire raisal. With that the spectively the PED r	ctive 2014/68/EU is boo manufacturing reliabil nust be observed for t	und to the p lity for equiv he use of m	ublication of Harmo valent material grad aterial grades listed	onized E les acco d in colu	Europording umn 2	ean Sta to othe to 4.	ndards er stan	s or to dards	the qualif (e.g. BS, <i>I</i>	ication by a E AFNOR, ASM	Europ E) is p	ean material ap proved. The req	proval or to the uirements and limits of
8	1.4410 / 1.4501		DIN EN 10217-7	AT	Welded pipe	3	60	60,3	914		DI	N EN 10217	-7		
9	1.4462		DIN EN 10217-7	AT	Welded pipe	3	75	60,3	914		DI	N EN 10217	-7		
10	Austenitic steels	3	AT	Welded pipe	3	75	60,3	914		DI	N EN 10217	-7	Table 3		
<u>Rem</u>	arks +AT +AR +M +N	= solution anneal = as rolled = thermo mechar = normalized or r	ed nical treated normalizing formed		+NT = no +QT = qu +S = so +SR = str	rmalize enched ft annea ess reli	d and l and aled eved	l tempe temper	ed		1	a -		A for the use i Directive 2014/	n pressure equipment 68/EU neccessary
4												ndustrie	6755	A RAILER	



Sco acco	be ording to	Directive Annex I §		EN 76	4-4				$\square$	AD Mer	2000- rkblatt W0		Regulatio No. 305/2	on (EU) 2011(System 2+)	
		Manufactu	rer			Work				Ν	ationality	Date		Page No	
Com Locat	bany Name: Will ion: Kul 478 Ge	helm Schulz GmbH hleshütte 111 309 Krefeld rmany		_	Wilhelm Schulz ( Kuhleshütte 111 47809 Krefeld Germany	GmbH					D	25.05.21 Rev.:20	of :	4 12	TÜV Rheinland Industrie Service GmbH
Cur	Mater Mater	ials-term rials-No.	Material Specification	Delivery Cond.	Article Type of Product		Dime	ensions	i	W	/eight max	Technical Specification	s		Remarks
					Thio ne: mr from	ck- ss n Up to	پ m from	⊘ nm Up to	;	1=t / 2=kg res ult	Requirement Technical Regulations	s			
1		2	3	4	5	6a	6b	7a	7b	88	a 8b	9			10
The u mater applic	se of the materia ial appraisal. Wit cable code respe	Is according to DGI th that the manufactor ctively the PED mus	R 2014/68/EU is bound uring reliability for equ t be observed for the u	to the publ ivalent mate use of mater	ication of Harmoni erial grades accord ial grades listed in	zed Eur ing to o column	opear other s 2 to 4	n Standa standarc 4.	ards o ds (e.g	r to tł . BS,	ne qualific AFNOR, A	ation by a Eurc ASME) is prove	opean d. The	n material appro e requirements	oval or to the particular and limits of the
11	Austenitic steels	S	DIN EN 10253-4	AT	Cap Collar Stub end	3	28	15	500 400 200			ND2000-W2, W DIN EN 10253- /dTÜV 1252	/10 4	Table 2a and made from pla	2b of AD 2000 W2 ate
12	Austenitic steels	S	DIN EN 10028-7	AT	Flange	3	28	15	200		A V	ND2000-W2, W V10	/9,	Table 2a and made from pla	2b of AD 2000 W2 ate
13	X2CrNiMoN22- X1CrNiMoCuN2 X1CrNiMoCuN2 X1CrNiMoCuN2 X2CrNiMoN25- X2CrNiMoCuW	5 (1.4462) 20-18-7 (1.4547) 25-20-7 (1.4529) 25-20-5 (1.4539) 7-4 (1.4410) N25-7-4 (1.4501)	DIN EN 10253-4	АТ	Сар	1,6	28	15	500			ND 2000-W2 DIN EN 10253- /dTÜV 1252	4	made from pla VdTÜV 418, \ 502, VdTÜV 4 the semi-finisl	ate /dTÜV 473, VdTÜV l21 are to consider for hed material
Rema	<u>rks</u> +AT +AR +M +N	= solution annea = as rolled = thermo mechar = normalized or r	ed nical treated normalizing formed		+NT = no +QT = qu +S = so +SR = str	rmalize encheo ft anne ess reli	ed and l and aled ieved	tempe temper	ered red		1	a =		A for the use in Directive 2014/	n pressure equipment 68/EU neccessary
Anne	x_To_Certificate ((	006) Aktuel.Docx					N	И <mark>S-0031</mark>	1559 E	-007-	E rev.01	nausi	3675	5 Sol	page 4/12



Sco acc	pe ording to	Directive Annex I {		EN 76	4-4				$\boxtimes$	AD Me	D 2000- erkblatt W0		Regulatio No. 305/2	on (EU) 2011(System 2+)	
		Manufactu	rer			Work				Na	tionalit	y Date		Page No	
Com	pany Name: Will	nelm Schulz GmbH			Wilhelm Schulz (	GmbH					D	25.05.2		5	TÜV Rheinland
Loca	ation: Kuł 478 Gei	hleshütte 111 809 Krefeld rmany			Kuhleshütte 111 47809 Krefeld Germany							Rev.:20	of :	12	Industrie Service GmbH
Cur -	Materi Mater	als-term ials-No.	Material Specification	Delivery Cond.	Article Type of Product		Dime	ensions		We r	eight nax	Technica Specificatio	l ons		Remarks
						Thio	ck-	Q	Ø			Requireme	nts		
						mr	n	m	m	1: 2=	=t / =kg	Technica Regulatio	l ns		
						from	Up to	from	Up to	$\Downarrow$	res ult				
1		2	3	4	5	6a	6b	7a	7b	8a	8b	9			10
2. N	2         3         4         5         6a         6b         7a         7b         8a         8b         9         10           Iaterials according to the AD 2000-Code														
The mate appli	aterials according to the AD 2000-Code se 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 ial 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 cable code respectively the PED must be observed for the use of material grades listed in column 2 to 4.														
14	NiCrN21Mo (2.4	1858)	VdTÜV 432-1	A	Сар	1,6	28	15	500			AD 2000-W2 DIN EN 1025 VdTÜV 1252	3-4	made from pla	ate
15	2.4856		VdTÜV 499	А	Сар	1,6	28	15	500			VdTÜV 499		made from pla	ate
16	Ferritic steels		EN 10025-2	Ν	Сар	3	10	15	500			AD 2000 W1 VdTÜV 1252		Table 2 of AD made from pla	2000 W1 ate; a)
17	Ferritic steels		EN 10025-2	Ν	Flange	3	10	15	200			AD 2000-W9	7	Table 2 of AD made from pla	2000 W1 ate; a)
<u>Rem</u>	arks +AT +AR +M +N	= solution annea = as rolled = thermo mechar = normalized or r	ed nical treated normalizing formed		+NT = no +QT = qu +S = so +SR = str	rmalize enchec ft anne ess reli	ed and d and aled ieved	tempe temper	ered ed	_			T C L OV	MA for the use i Directive 2014/	n pressure equipment 68/EU neccessary
									4			ou 136	55 Servi	9	



Sco acc	ope ording to	Directive Annex I		🗌 EN 76	4-4				$\square$	AE Me	D 200 erkbla	)0- att W0		Regulatio No. 305/2	on (EU) 2011(System 2+)	
		Manufact	urer			Work				Ν	Nationalit	ty	Date		Page No	
Con	npany Name: Will	helm Schulz Gmb	Н		Wilhelm Schulz	GmbH					D	1	25.05.21		6	TÜV Rheinland
Loc	ation: Kul 478 Ge	hleshütte 111 309 Krefeld rmany			Kuhleshütte 111 47809 Krefeld Germany								Rev.:20	of :	12	Industrie Service GmbH
Cur -	Mater Mater	ials-term rials-No.	Material Specification	Delivery Cond.	Article Type of Product		Dime	ensions		V	Weight max	T Spe	Fechnical ecification	IS		Remarks
						Thio ne: mi	ck- ss m	m	Ø Im		1=t / 2=kg	Re T Re	quirement Fechnical egulations	ts		
						from	to	from	Up to	1	↓ res ult					
1		2	3	4	5	6a	6b	7a	7b	8	Ba 8b		9			10
2. 1	Materials acco	ording to the A	AD 2000-Code													
The mate appl	laterials according to the AD 2000-Code 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 rial 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 cable code respectively the PED must be observed for the use of material grades listed in column 2 to 4.															
				<b>.</b>												
18	Ferritic steels		EN 10028-2	N	Сар	3	10	15	500			AD 20 VdTÜ	000-W1 IV 1252		Table 1 of AD made from pla	2000 W1 ate
19	Ferritic steels		EN 10028-2	Ν	Flange	3	10	15	200			AD 20 VdTÜ	000-W9 IV 1252		Table 1 of AD made from pla	2000 W1 ate
20	Austenitic steels	S	DIN EN 10253-4	AT	Elbow r/da>1.0 Tee Reducer	1,6	50	15	600			AD 20 DIN E VdTÜ	000-W2, V EN 10253- IV1252	V10 4	made from se pipe pipe	amless and welded
<u>Rem</u>	emarks       +AT = solution annealed +AR = as rolled +M = thermo mechanical treated +N = normalized or normalizing formed       +NT = normalized and tempered +QT = quenched and tempered +S = soft annealed +SR = stress relieved       a = PM/ for the use in pressure equipment in Directive 2014/68/EU neccessary															
											Ĺ		maust	1367	55 .0	



Sco acc	Cope Directiv ccording to Annex I		2014/68/EU }4.3		🗌 EN 76	4-4				$\boxtimes$	] AE Me	0 2000 erkblat	)- t W0		Regulatio No. 305/2	on (EU) 2011(System 2+)
		Manufactu	rer			Work				١	Nationalit	y	Date	I	Page No	
Com	pany Name: Will	nelm Schulz GmbH			Wilhelm Schulz (	GmbH					D	25	5.05.21		7	TÜV Rheinland
Loca	ition: Kuł 478 Gei	hleshütte 111 309 Krefeld rmany			Kuhleshütte 111 47809 Krefeld Germany							R	ev.:20	of :	12	Industrie Service GmbH
Cur -	Materi Mater	als-term ials-No.	Material Specification	Delivery Cond.	Article Type of Product		Dime	ensions		١	Weight max	Te Spec	chnical cification	s		Remarks
						Thio ne: mr	ck- ss m	¢ m	Ø Im		1=t / 2=kg	Requ Te Reg	uirement chnical gulations	S		
						from	Up to	from	Up to	1	↓ res ult					
1		2	3	4	5	6a	6b	7a	7b	8	Ba 8b		9			10
2. N	aterials according to the AD 2000-Code															
The u mate appli	laterials according to the AD 2000-Code 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 rial 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 cable code respectively the PED must be observed for the use of material grades listed in column 2 to 4.															
21	X2CrNiMoN22- X1CrNiMoCuN2 X1CrNiMoCuN2 X1CrNiMoCuN2 X2CrNiMoCuV X2CrNiMoCuV	5 (1.4462) 20-18-7 (1.4547) 25-20-7 (1.4529) 25-20-5 (1.4539) 7-4 (1.4410) N25-7-4 (1.4501)	DIN EN 10253-4	AT	Elbow r/da>1.5 Tee Reducer	1,6	60	15	600			AD 200 DIN EN VdTÜV	00-W2 1 10253-4 1 1252	4	made from se Welded pipe a VdTÜV 418, V 502, VdTÜV 4 the semi-finish	amless pipe / and plates /dTÜV 473, VdTÜV 21 are to consider for ned material
22	NiCrN21Mo (2.4	4858)	S	Elbow r/da>1.5 Tee Reducer	1,6	60	15	600			AD 200 VdTÜV	00-W2 1252		made from se Welded pipe a a)	amless pipe / and plates	
23	P235TR2, P265 P265GH, L290N L415NB	TR2, P235GH, NB, L360NB,	EN 10253-2	N	Elbow r/da>1.5 Tee Reducer	3	40	30	600			AD 200 VdTÜV	00-W4, 1252		made from se	amless pipe
<u>Rem</u>	arks +AT +AR +M +N	<ul> <li>solution anneal</li> <li>as rolled</li> <li>thermo mechar</li> <li>normalized or r</li> </ul>	ed nical treated normalizing formed		+NT = no +QT = qu +S = so +SR = str	rmalize encheo ft anne ess reli	ed and d and aled ieved	l tempe temper	ed				a =	PM. in C	A for the use in Directive 2014/	n pressure equipment 68/EU neccessary

MS-0031559 E-007-E rev.01



Sco acc	ope ording to	Directive Annex I §		EN 76	4-4				$\boxtimes$	AD Me	D 20 erkb	00- latt W0		Regulatio No. 305/2	n (EU) 2011(System 2+)	
		Manufactu	rer			Work				N	ationalit	.y	Date		Page No	
Corr	npany Name: Wil	helm Schulz GmbH	l		Wilhelm Schulz (	GmbH					D		25.05.21		8	TÜV Rheinland
Loca	ation: Kul 478 Ge	hleshütte 111 309 Krefeld rmany			Kuhleshütte 111 47809 Krefeld Germany								Rev.:20	of :	12	Industrie Service GmbH
Cur -	Mater Mate	ials-term rials-No.	Material Specification	Delivery Cond.	Article Type of Product		Dime	nsions		W	/eight max	S	Technical pecification	S		Remarks
						Thic	:k-	Q	5			R	equirement	s		
						mn	n	mr	n		1=t / 2=kg	F	Technical Regulations	;		
						from	Up to	from	Up to	↓	res ult					
1		2	3	4	5	6a	6b	7a	7b	88	a 8b		9			10
1       2       3       4       5       6a       6b       7a         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 Standard																
The mate appl	laterials according to the AD 2000-Code 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 rial 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 cable code respectively the PED must be observed for the use of material grades listed in column 2 to 4.															
24	P195TR2, P235	5TR2, P265TR2	EN 10216-1	N	Elbow r/da>1.5 Tee Reducer	3	40	30	600			AD 2 VdT	2000-W14 ÜV 1252		made from se	amless pipe
25	P195GH, 16Mo	3	EN 10216-2	N	Elbow r/da>1.5 Tee Reducer	3	40	30	600			AD 2 VdT	2000-W4 ÜV 1252		made from se	amless pipe
26	P215NL, P265N	JL	EN 10216-4	N	Elbow r/da>1.5 Tee Reducer	3	40	30	600			AD 2 VdT	2000-W4 ÜV 1252		made from se	amless pipe
27	L245NB, L290N L415NB	IB, L360NB,	EN 10208-2	N	Elbow r/da>1.5 Tee Reducer	3	40	30	600	u		AD 2 VdT	2000-HP 10 ÜV 1252	DOR	made from se	amless pipe
Rem	aarks +AT +AR +M +N	= solution annea = as rolled = thermo mechar = normalized or r	led nical treated normalizing formed		+NT = no +QT = qu +S = so +SR = str	rmalize enched ft annea ess reli	d and and aled eved	l tempei tempere	red ed		/		a	R RM	IA for the use in Directive 2014/	n pressure equipment 68/EU neccessary
Ann	ex_To_Certificate (	006) Aktuel.Docx					N	1S-0031	559 E-	-007-I	E rev.01		ndust	1367	55 Service	page 8/12



Scc acc	cope Directive 2014/68/EU cording to Annex I §4.3				EN 76	4-4				$\boxtimes$	] AD Me	) 20 erkb	00- latt W0		Regulatio No. 305/2	n (EU) 2011(System 2+)
		Manufactu	rer			Work				I	Nationalit	у	Date		Page No	
Corr Loca	npany Name: Will ation: Kul	nelm Schulz GmbH nleshütte 111			Wilhelm Schulz ( Kuhleshütte 111	GmbH					D		25.05.21		9	TÜV Rheinland Industrie Service
	Gei	rmany			Germany								Rev.:20	of :	12	GmbH
Cur -	Materi Mater	als-term ials-No.	Material Specification	Delivery Cond.	Article Type of Product		Dime	ensions			Weight max	S	Technical pecification	IS		Remarks
					Thio nes	sk- ss	Q	ð			R	equirement	ts			
					mr	n	m	m		1=t / 2=kg	F	Technical Regulations	5			
					from	Up to	from	Up to		↓ res ult						
1		2	4	5	6a	6b	7a	7b	8	8a 8b		9			10	
2. N	laterials acco	ording to the A	D 2000-Code													
The mate appl	Internals according to The AD 2000-Code 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 rial 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 cable code respectively the PED must be observed for the use of material grades listed in column 2 to 4.															
28	13CrMo4-5, 100	CrMo9-10	EN 10253-2	QT	Elbow r/da>3.0 Tee	3	30	20	250			AD 2 VdT	2000-W4 ÜV 1252		made from se	amless pipe
29	15MnNi63		VdTÜV 427/2	Ν	Elbow r/da>1.4 Tee	3	30	30	350			КТА 340 <sup>-</sup>	. 3201.1, 1.1		made from se VdTüV Werks consider a)	amless pipe toffblatt 427/2 are to
30	12Ni14		EN 10216-4	QT	Elbow r/da>3.0 Tee Reducer	3	10	30	350			AD 2 VdT	2000-W4, V ÜV 1252	V10	made from sea	amless pipe
<u>Rem</u>	arks +AT +AR +M +N	<ul> <li>solution anneal</li> <li>as rolled</li> <li>thermo mechar</li> <li>normalized or r</li> </ul>	ed nical treated normalizing formed		+NT = no +QT = qu +S = so +SR = str	rmalize enched ft annea ess reli	d and l and aled eved	tempe temper	ered ed				a =	= PN	IA for the use in Drothve 2014	pressure equipment
Strial Service												e)				



Sco acc	ope ording to	Directive Annex I §		🗌 EN 76	4-4				$\boxtimes$	] AE Me	0 2000- erkblatt '	W0		Regulatio No. 305/2	on (EU) 2011(System 2+)	
		Manufactu	rer			Work				I	Nationalit	y D	Date	F	Page No	
Con Loca	npany Name: Will ation: Kul 478 Ge	helm Schulz GmbH hleshütte 111 309 Krefeld rmany			Wilhelm Schulz ( Kuhleshütte 111 47809 Krefeld Germany	GmbH					D	25.0 Rev	.05.21 ev.:20	of :	10 12	TÜV Rheinland Industrie Service GmbH
Cur -	Mater Mater	ials-term rials-No.	Material Specification	Delivery Cond.	Article Type of Product		Dime	ensions		,	Weight max	Tech Specifi	chnical ification	s		Remarks
						Thio	ck-	Q	Ø			Requir	irement	S		
						mr	n	m	m		1=t / 2=kg	Tech Regu	chnical ulations			
						from	Up to	from	Up to		↓ res ult					
1		2	3	4	5	6a	6b	7a	7b	8	8a 8b		9			10
2. Materials according to the AD 2000-Code																
The mate appl	use of the materia erial appraisal. Wit icable code respe	aterials according to the AD 2000-Code se 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 ial 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 cable code respectively the PED must be observed for the use of material grades listed in column 2 to 4.														
								-								
31	1.4410 / 1.4501		DIN EN 10217-7	AT	Welded pipe	3	60	60,3	914			AD 2000 DIN EN 1	0 W2 10217-1	7	VdTüV Werks consider	toffblatt 508 are to
32	1.4462		DIN EN 10217-7	AT	Welded pipe	3	75	60,3	914			AD 2000 DIN EN 1	) W2 10217-	7	VdTüV Werks consider	toffblatt 518 are to
33	Austenitic steels	s	DIN EN 10217-7	AT	Welded pipe	3	75	60,3	914			AD 2000 DIN EN 1	) W2 10217-	7	Table 1a (of A VdTüV Werks consider	D 2000 W2) toffblätter are to
<u>Rem</u>	harks +AT +AR +M +N	= solution anneal = as rolled = thermo mechar = normalized or r	ed nical treated normalizing formed		+NT = no +QT = qu +S = so +SR = str	rmalize enchec ft anne ess reli	ed and d and aled ieved	l tempe temper	ered ed				a =	PM	A for the use in an active 2014/	n pressure equipment 68/EU neccessary
	•										L		10	1.515	36755 0 al Servic	



Sco acc	pe ording to	Directive		🗌 EN 76	4-4				$\square$	AD 2 Meri	2000- <blatt th="" w0<=""><th></th><th>Regulatic No. 305/2</th><th>n (EU) 2011(System 2+)</th></blatt>		Regulatic No. 305/2	n (EU) 2011(System 2+)	
		Manufactu	rer			Work				Na	tionality	Date		Page No	
Com	pany Name: Wil	helm Schulz Gmb⊦	1		Wilhelm Schulz	GmbH					D	25.05.21		11	TÜV Rheinland
Loca	tion: Ku 478 Ge	hleshütte 111 309 Krefeld rmany			Kuhleshütte 111 47809 Krefeld Germany							Rev.:20	of :	12	Industrie Service GmbH
Cur	Mater Mate	ials-term rials-No.	Material Specification	Delivery Cond.	Article Type of Product		Dime	ensions		We	eight max	Technical Specification	าร		Remarks
						Thi	ck-	ç	Ø			Requirement	ts		
						m	m	m	m	1:	=t / =ka	Technical Regulations			
						from	Up	from	Up	↓	res	rtogulatione	,		
1		2	3	4	5	6a	6b	7a	7b	8a	8b	9			10
3. N	laterials acco	ording to interr	national standard	ds ( e. g.	ASTM, ASME,	IBR	etc.)								
The u mate appli	use of the materia rial appraisal. Wit cable code respe	Is according to DG th that the manufact ctively the PED mus	R 2014/68/EU is bound uring reliability for equ at be observed for the u	to the publ ivalent mate use of mater	ication of Harmoni erial grades accord ial grades listed in	zed Eu ling to d colum	ropear other s n 2 to 4	) Standa tandaro 1.	ards or ds (e.g.	r to the . BS, A	e qualifica AFNOR, A	ition by a Euro SME) is prove	opean d. Th	material appro e requirements	oval or to the particular and limits of the
34	Austenitic steel	S	ASTM A 403	AT	Cap Collar Stub end	3	28	15	500 400 200		A	STM A 403		made from pla a)	ate
35	Austenitic steel	S	AT	Flange	3	28	15	200		A	SME B16.5		made from pla a)	ate	
36	N08926, N0662	25	ASTM-B366	S	Сар	1,6	28	15	500		A	STM-B366		made from pla	ate
37	Austenitic steel	S	ASTM A403	AT	Elbow r/da>1.0 Tee Reducer	1,6	50	15	600		A	STM A 403	100 Martin	pipe na a)	amless and welded
<u>Resu</u>	<u>Its</u> +AT +AR +M +N	= solution annea = as rolled = thermo mechan = normalized or i	led nical treated normalizing formed		+NT = no +QT = qu +S = so +SR = str	ormalize lencheo ft anne ress rel	ed and d and ealed lieved	temper	ered ed		L	A	= PN	7, foi the use in Secure 2014/ 36755	n pressure equipment 68/EU neccessary



Scope according to		Directive 2014/68/EU Annex I §4.3			EN 764-4					AD 2000- Merkblatt W0			Regulation (EU) No. 305/2011(System 2+)		
		Work					Nationality Date			Page No					
Company Name: Wilhelm Schulz GmbH Location: Kuhleshütte 111 47809 Krefeld Germany					Wilhelm Schulz GmbH Kuhleshütte 111 47809 Krefeld Germany					D 25.05.2 Rev.:2		25.05.21 Rev.:20	of :	12 12	TÜV Rheinland Industrie Service GmbH
Cur -	r Materials-term Materials-No.		Material Specification	Delivery Cond.	Article Dimensions Type of Product Thick-			Ø	Weight max	S	Technical pecification	is ts		Remarks	
						from Up to		mm from Up to		1=t / 2=kg ↓ res ult		Technical Regulations			
1 2		2	3	4	5	6a	6b	7a	7b	8a 8b	8a 8b 9			10	
3. N	laterials acco	ording to inter	national standar	ds ( e. g.	ASTM, ASME,	IBR e	etc.)								
The mate appl	use of the materia rial appraisal. Wit icable code respe	Is according to DG h that the manufact ctively the PED mus	R 2014/68/EU is bound uring reliability for eq at be observed for the	d to the publ uivalent mate use of mater	lication of Harmoni erial grades accord ial grades listed in	zed Eur ing to o column	opear other s 2 to 4	Standa Standard 1.	ards or ds (e.g.	to the qua BS, AFNO	lificatio R, ASN	on by a Euro ME) is prove	opean d. Th	n material appro e requirements	oval or to the particular and limits of the
38	N 08825 AST		ASTM B366	S	Elbow r/da>1.5 Tee Reducer	1,6	45	15	600		AST	<sup>-</sup> M B366		made from seamless pipe / Welded pipe and plates; a)	
39	N06625		ASTM B366	S	Elbow r/da>1.5 Tee Reducer	1,6	45	15	600		AST	TM B366		made from seamless pipe / Welded pipe and plates; a)	
40	S32750 / S 32760 ASTM /		ASTM A 928	AT	Welded pipe	3	60	60,3	914	AST		TM A 928		a)	
41	S31803/S32208	31803/S32205 ASTM A 928 AT		Welded pipe	3 75 60,3 914		914		AST	TM A 928		a)			
<u>Res</u>	ilts +AT +AR +M +N	<ul> <li>solution annealed</li> <li>as rolled</li> <li>thermo mechanical treated</li> <li>normalized or normalizing formed</li> </ul>			+NT = no +QT = qu +S = so +SR = str	NT = normalized and tempered QT = quenched and tempered -S = soft annealed -SR = stress relieved					a = PMA Straine in in Difective 20 a 1367				pressure equipment