Certificate									
	Quality-Assurance System for Manufacturer of Materials acc. to Directive 2014/68/EU								
Certificate no.:	01 202 IND/Q-11-0033								
Name and address of the manufacturer:	Reliable Pipes & Tubes Limited C-16, Anand Bhuvan 163/165, V. P. Road Mumbai - 400004. India								
	Herewith we certify that the material manufacturer has established and applies a Quality Management System. The system was audited according to the European Directive 2014/68/EU, Annex I, Par. 4.3, with regard to the materials as listed in the scope of approval.								
Tested acc. to Directive 2014/68/EU:	QM System acc. to EN 764-5, article 4.2 and AD 2000-Merkblatt W0								
Audit report no.:	01 202 IND/Q-11-0033								
Range of materials:	Manufacturing and supply of Forged Flanges & Machined Components, Pipe Fittings Seamless & Welded, see annex to certificate								
Manufacturing plant:	Reliable Pipes & Tubes Limited C-16, Anand Bhuvan 163/165, V. P. Road Mumbai - 400004. India								
Valid until:	O. This on the information of th								
Cologne, 30.12.2016	i. V. DiplIng. Oliver Theisen Votified Bo								

TÜV Rheinland Industrie Service GmbH Notified Body for Pressure Equipment, ID-No. 0035 Am Grauen Stein, D-51105 Köln

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Location: Mumbai 163/165, V. P. Road, Mumbai - 400004. India Rev.: 01 of: 3 Industrial Cur Materials-term Specification Cond. Type of Product Dimensions Weight max Technical Specifications Remarks 1 2 3 4 5 6a 6b 7a 7b 8a 8b 9 10 1 2 3 4 5 6a 6b 7a 7b 8a 8b 9 10 1 2 3 4 5 6a 6b 7a 7b 8a 8b 9 10 1 2 3 4 5 6a 6b 7a 7b 8a 8b 9 10 1 4 5 6a 6b 7a 7b 8a 8b 9 10 1 4 5 6a 6b 7a 7b 8a 8b 9 10 1 4 7b 8a 8b 9 10 10 10 <	Scope according toDirective 2014/68/EU Annex I §4.3					EN 764-4						AD 2000- Merkblatt W0				FPC, Regulation (EU) No. 305/2011(System 2+		
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I IN normalized as normalizing formed ICD strate reliated	of the app 1 2 W 3 W 4 N 5 WF 6 W 7 8 9 10 11 W 12 13 14 14	WPB, ' WPB, ' 'PHY 42, WPH VPHY60,WPH' WP304,WP 30 P316H,WP 316 VP321H,WP34 WP317,V WP321, W S31803, S327 S32760,5 /P1,WP22,WP WP22,WP 4140,4 WPL6,WPL9,V +AT +AR	isal. With that the espectively the PEI WPC Y46, WPHY52, Y65, WPHY70 04, WP304H, 3, WP316L, 47, WP347H, VP317L VP310S 750, S32205 S32550 P5, WP9, WP11, PR, WP91 4130 WPL3, WPL8 = solution anneal	manufacturing reliabi D must be observed for ASTM A 234 ASTM A 860 ASTM A 860 ASTM A 403 ASTM A 815 ASTM A 815 ASTM A 815 ASTM A 234 ASTM A 234 ASTM A 519 ASTM A 420	ility for equiv or the use of NT /QT NT /QT AT AT AT AT AT AT AT AT AT/NT AT/NT N	valent material grades lis material grades lis Elbow, Reducers, (Con/Ecc) Tee, Cap Welded Elbow, Reducers, (Con/Ecc) Tee, Cap +NT = no +QT = qu	les acc ted in c 2.7 2.7 rmalize	50 80 solum	21.3 21.3	610 1524		s (e.g. E	BS, AF	NOR, ÁSM	E) is p f r 2	For ASTM Marequired	aterials A PMA is	
+N = normalized or normalizing formed +SR = stress relieved	of the app 1 2 W 3 M 4 M 5 WF 6 M 7 8 9 10 11 W 12 13 14 14	WPB, V PHY 42, WPH VPHY60, WPH WP304, WP 30 P316H, WP 316 VP321H, WP34 WP317, V WP321, W S31803, S327 S32760, S VP1, WP22, WP WP22, WP 4140, 4 WPL6, WPL9, V +AT +AR +M	isal. With that the espectively the PEI WPC Y46, WPHY52, Y65, WPHY70 04, WP304H, 3, WP316L, 47, WP347H, VP317L VP310S 750, S32205 S32550 P5, WP9, WP11, PR, WP91 4130 WPL3, WPL8 = solution anneal = as rolled = thermo mechar	Manufacturing reliabi D must be observed for ASTM A 234 ASTM A 860 ASTM A 860 ASTM A 403 ASTM A 234 ASTM A 234 ASTM A 234 ASTM A 519 ASTM A 420 ed	ility for equiv or the use of NT /QT NT /QT AT AT AT AT AT AT AT AT AT/NT AT/NT N	valent material grades lis material grades lis Elbow, Reducers, (Con/Ecc) Tee, Cap Welded Elbow, Reducers, (Con/Ecc) Tee, Cap +NT = no +QT = qui +S = sol	2.7 2.7 2.7	50 80 ad and aled	21.3 21.3	610 1524	dards	s (e.g. E		NOR, ÁSM	E) is p f r 2	For ASTM Marequired	aterials A PMA is	

Annex to Certificate No. : 01 202 IND/Q-11-0033



Scope according toImage: Directive 2014/68/EU Annex I §4.3								□ N	AD 2000- Ierkblatt W		FPC, Regulation (EU) No. 305/2011(System 2			
Manufacturer					Work					Nationali	y Date		Page No	
Company Name: Reliable Pipes & Tubes Ltd					C-16, Anand Bhuvan, 163/165, V. P. Road, Mumbai - 400004.					India	28-11-1	6	2	TÜV Rheinland Industrie Service
Location:Mumbai					103/103, 1.1.1	100004	r.		Rev.: 0	1 of :	3	GmbH		
Cur				Delivery Cond.	Article Type of Product	Dimensions				Weight max		Technical Specifications		Remarks
-			Thick-Ø						Requirem	ents				
		ness mm mm					1=t / 2=kg	Technic Regulatio						
						from	to	rom	Up to	↓ res ult				
1		2	3	4	5	6a	6b	7a	7b	8 8b a	9			10
partie	cular material app	raisal. With that the	R 2014/68/EU is bound manufacturing reliabi D must be observed fo	lity for equiv	alent material grad	des acco	ording to	other s						
15 16 17 18 19 20 21 22 23	F304,F304L,F3 F310,F316,F3 F317L,F321 F1,F5,F9,I LF F42,F46,F F60,F	105 04H,F347H,F347, 16L,F316H,F317 ,F321H,F904L F11,F22,F91 1,LF2 48,F50, F52, 765,F70 4,L5,L6,L7,L8	ASTM ASTM A 182 ASTM A 182 ASTM A 182 ASTM A 182 ASTM A 350 ASTM A 694 ASTM A 694 ASTM A 707	N AT AT NT QT QT SR	Fitting Elbow, Reducer(CON/EC C) TEE,CAP Flanges	150#	9000#	1/2" 1/2"	4" 72"				required	Rheinianov B65B6
Remarks+AT= solution annealed+AR= as rolled+M= thermo mechanical treated+N= normalized or normalizing formed					+QT = qu +S = soi				Ŀ		а			n pressure equipment 68/EU neccessary



Scope according toImage: Directive 2014/68/EU Annex I §4.3					EN 764-4						AD 2000- erkblatt W0	FPC, Regulation (EU) No. 305/2011(System 2+			
Manufacturer					Work					Nationality	Date	Page N	No		
Company Name: Reliable Pipes & Tubes Ltd					C-16, Anand Bhuvan,					India	28-11-16	3		TÜV Rheinland	
					163/165, V. P. Road, Mumbai - 400004.									Industrie Service	
Location: Mumbai					India						Rev.: 01	of : 3		GmbH	
Cur			Delivery Cond.	Article Dimensions Type of Product					Weight max	Technical Specification	IS	F	Remarks		
						Thic		Ø	5		Requirement	ts			
						nes mn		mr	n	1=t /	Technical				
									2=kg	Regulations	;				
						from	Up f to	rom	Up to	↓ res ult					
1		² ording to the A	3	4	5	6a				8a 8b	9	9		10	
24	X5CrNi18	-10 (1.4301)	EN 10222-5	AT							AD 2000 W	2			
partice of the 24 25 26	ular material app applicable code X5CrNi18 X2 CrNiMo 1 X2 CrNiMo 1	raisal. With that the respectively the PEI -10 (1.4301) 7 12 2 (1.4404) 7-11-2 (1.4406)	R 2014/68/EU is bound manufacturing reliabi D must be observed fo EN 10222-5 EN 10222-5 EN 10222-5 EN 10222-5	AT AT AT AT	valent material grad	des acco	ording to	o othe 2 to 4.	r stan			E) is proved.			
27 28 29 30 31	X6CrNiTi18 X6CrNiMoTi1 X2 CrNi 1	7-12-2 (1.4401) 3-10 (1.4541) 7-12-2 (1.4571) 8-9 (1.4307) † (1.0460)	EN 10222-5 EN 10222-5 EN 10222-5 EN 10222-5 EN 10222-5 EN 10222-2	AT AT AT AT N	Fittings	150#	9000‡	¥ ½"	4"		AD 2000 W	9	naustrial Service		
												rule: listed she	s, the ma d in the \ eet 350 (proval wit	ons acc. to AD 2000 anufacturer must be /dTUV material data 1.0460) or a single h a 3.2 certificate is quested	
Result	ts +AT +AR +M +N	1	+QT = qu +S = so	rmalize enched ft annea ess reli	and te			<u> </u>	a =			pressure equipment 38/EU neccessary			