

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 97/23/EC,
 annex I, sec. 4.3 and AD 2000-Merkblatt W0

Firm : ECHJAY FORGINGS PVT. LTD
 (PUSHPAMAN FORGING DIVISION)
 Place: HONAD VILLAGE, TAL. KHALAPUR, KHOPOLI,
 DIST. RAIGAD, MAHARASHTRA - 410203.

Annex to the certificate
 PED no : 07 202 1423 WZ 1312 09
 AD 2000-W0 no : 07 202 1423 WP 1312 09

Date : 23.06.2009
 File no : SEK-275/09
 File no : SEK-275/09

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 Doc.-Nr.: WW_20_03_DE (2008-10)
1	2	3	4	5	6	7	8	9
1	1.4571	EN - 10222-5	AT	FLANGES & FITTINGS & ENDS STUB	DN 10 TO DN 1000 PN 6 TO PN 160		Directive 97/23/EC AD 2000 Merkblatt W0 AD 2000 Merkblatt W2 AD 2000 Merkblatt W9	Certified acc. to PED annex I, sec. 4.3 by the notified body of TÜV NORD Systems (Reg. no. 0045).
2	1.4541	EN - 10222-5	AT					
3	1.4301	EN - 10222-5	AT					
4	1.4307	EN - 10222-5	AT					
5	1.4401	EN - 10222-5	AT					
6	1.4404	EN - 10222-5	AT					
7	1.4432	EN - 10222-5	AT					
8	1.4306	EN - 10222-5	AT					
9	1.0460	DIN 17243	NT					
10	F304L	ASTM A 182	AT				Directive 97/23/EC	Particular Material Appraisal as per PED annex I, Sec 4.2 (c)
11	F304	ASTM A 182	AT					
12	F304H	ASTM A 182	AT					
13	F316L	ASTM A 182	AT					
14	F316	ASTM A 182	AT					
15	F316H	ASTM A 182	AT					
16	F321	ASTM A 182	AT					
17	F321H	ASTM A 182	AT					
18	F347	ASTM A 182	AT					

Erläuterungen / Explanation: +AT / AT = Lösungsgeglüht und abgeschreckt / solution heat treated and dettered; N = Normalgeglüht und normalisierend umgeformt / normalized
 U = without annealing; S = stress relieved; A = soft annealed; CR = controlled hot rolled

Hinweis zu Werkstoff gem. Richtlinie 97/23/EG / Hints for non harmonized materials use acc. to Directive 97/23/EC :
 Für die spezifischen Einsatzbedingungen ist die Zustimmung des Druckgeräteherstellers bzw. der zuständigen benannten Stelle erforderlich.
 The pressure equipment manufacturer and / or the notified body responsible for the equipment has to give ist agreement for the special operation conditions .

Beut

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19	F347H	ASTM A 182	AT				Directive 97/23/EC	Particular Material Appraisal as per PED annex I, Sec 4.2 (c)
20	F317	ASTM A 182	AT					
21	F317L	ASTM A 182	AT				Directive 97/23/EC	Particular Material Appraisal as per PED annex I, Sec 4.2 (c)
22	A150	ASTM A 105	N					
23	LF2	ASTM A 350	NT				Directive 97/23/EC	Particular Material Appraisal as per PED annex I, Sec 4.2 (c)
24	LF1	ASTM A 350	NT					
25	F1	ASTM A182	NT	FLANGES & FITTINGS ENDS	STUB DN 10 TO DN 1000 PN 6 TO PN 160			
26	F5/F5A	ASTM A182	NT					
27	F11	ASTM A182	NT					
28	F12	ASTM A182	NT					
29	F22	ASTM A182	NT					
30	F9	ASTM A182	NT					
31	F51	ASTM A182	AT					
32	F60	ASTM A182	AT					
33	F91	ASTM A182	NT					
34	F50	ASTM A182	NT					
35	F61	ASTM A182	AT					
36	S355J2G3	EN10025	N			FLANGES		
37	S355N	EN10113	N					
38	C 22.8	DIN 17243	N					

Certification Body for Pressure Equipment
 of TÜV NORD Systems GmbH & Co. KG (Essen)



Directive 97/23/EC
 AD 2000 Merkblatt W0
 AD 2000 Merkblatt W9

* In conjunction with EN 1092-1 Table 5a