

Annex to Certificate No.: 01 202 CHN/Q-11 0442
Details of the Validity of the Approval as Manufacturer of Materials in accordance to DGR 97/23/EC and AD2000-W0/TRD 100 respectively

Manufacturer				Work				Nationality	Date	Page No..	TÜV-Name /Stamp	
Company Name: Jiangyin BOHON Machinery Flanges Co., Ltd. Location: No.581-1, Yungu Road, Changshou, Zhouzhuang Town, Jiangyin City,214424, Jiangsu province, P.R.C				Same as left				CHN	Aug 14 2014	1	TÜV Rheinland Industrie Service GmbH	
Cur-	Materials-term Materials-No.	Material Specification	Delivery Cond. *	Article Type of Product	Dimensions				Weight max		Technical Specifications Requirements Technical Regulations	Remarks
					Thickness mm		Ø mm		1=t / 2=kg ↓	Re sul t		
					fro m	Up to	fro m	Up to				
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10
The use of the materials according to DGR 97/23/EC 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.	1.4301*, 1.4307*, 1.4401*, 1.4404*, 1.4541*, 1.4571*, 1.4462*	EN 10222-5	AT	Forged flanges	d	d	10	1600	d	d	AD 2000- W9/TRD107	AD : (bold and * mark) PED : (all)
2	F304, F304L, F316, F316L, F316Ti, F317, F317L, F321, F310, F904L, F44, F347, F347H	ASTM A182 / ASME SA182	AT	Forged flanges	d	d	10	1600	d	d	ASTM A182 / ASME SA182	PMA (by pressure equipment manufacturer (cat. I/II), or by NoBo
3	A105	ASTM A105 / ASME SA105	U or N	Forged flanges	d	d	10	1600	d	d	ASTM A105 / ASME SA105	(cat. III/IV) is required if material is not listed in hamonized product standard (e.g. EN 13445)
4	F51, F53, F55, F60	ASTM A182 / ASME SA182	AT	Forged flanges	d	d	10	1600	d	d	ASTM A182 / ASME SA182	
5	LF2	ASTM A350 / ASME SA350	NT or QT	Forged flanges	d	d	10	1600	d	d	ASTM A350 / ASME SA350	
6	F11, F22	ASTM A182 / ASME SA182	NT	Forged flanges	d	d	10	1600	d	d	ASTM A182 / ASME SA182	
Remarks * AT = solution treated N = Normalized or normalizing formed SR = stress relieved M = thermo mechanical treated AR = not treated QT = quenched and tempered NT = normalized and tempered S = soft annealed U = As forging a = material b = delivery condition c = article d = dimensions in tech. regulations e = weight f = No. of tech. regulation												