

**Annex to Certificate No.: 01 202 IND/Q-12-0007**
**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: Kunj Forgings (P) Ltd. Location:				C -177, INDUSTRIAL AREA, , UP-BULANDSHAHR ROAD, GHAZIABAD 201001, INDIA.						1 Rev.: of : 2	TÜV Rheinland Industrie Service GmbH	
Cur-	Materials-term Materials-No.	Material Specification	Delivery Cond. *	Article Type of Product	Dimensions				Weight max 1=t / 2=kg	Technical Specifications Requirements Technical Regulations	Remarks	
					Thickness mm		Ø mm					
					fro m	Up to	fro m	Up to				
1	2	3	4	5	6a	6b	7a	7b	1	2	3	4
<b>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.</b>												
	X 5 CrNi 18 -10 (1.4301) X 5 CrNiMo 17 13 2 (1.4404) X 5 CrNiMo 17 -11-2 (1.4406) X 5 CrNiMo 17-12-22 (1.4401) X 6 CrNiTi 18 -10 (1.4541) X 6 CrNiMoTi 17-12- 2 (1.4571) X 2 CrNi 18- 9 (1.4307) C 22.8 (1.0460)	EN 10222 – 5 EN 10222 – 5 EN 10222 – 5 EN 10222 – 5 EN 10222 – 5 EN 10222 – 5 EN 10222 – 5 EN 10222 – 5	AT AT AT AT AT AT AT AT AT N	Std Flanges      Non Std Forgings.							AD 2000  Merkblatt W2  EN 1092-1:2007  AD 2000 W9	
<b>Remarks</b>	* 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				a = material b = delivery condition c = article d = dimensions in tech. regulations e = weight f = No. of tech. regulation				

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	Grade. F5, F9, F11, F12, F22, F91 304/304L, F316/316L, F321 F347 F 51, F60, F53 AISI 4140/DIN EN 1.7225 AISI 4130/DIN EN 1.7213 AISI 4340/EN 1.6582 A 105 LF2 / LF3	ASTM A 182 ASTM A 182 ASTM A 182 ASTM A 182  ASTM ASTM	NT AT AT AT  N N/NT /QT	Std Flanges      Non Std Forgings							AD 2000  Merkblatt W2  EN 1092-1:2007  AD 2000 W9	EN 1092-1
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