


Annex to Certificate No. 01 202 USA/Q-03 8928
Details of the Validity of the Approval as Manufacturer of Materials in accordance to PED 97/23/EC and AD2000-W0 respectively

Manufacturer		Work				Nationality	Date	Pages.	Revision			
Company Name: Carpenter Technology Corporation Location: 101 West Bern Street Reading, PA 19601-1203 USA		1. as Manufacturer 2. Talley Metals 205 Talley Metals Lane, Mc Bee, SC 29101 3. Shalmet Corporation, 116 Pinedale Industrial Road, Orwingsburg, PA 17961				USA	July 29, 2014	2	Rev.: 12			
Current No.	Materials-term Materials-No.	Material Specification	Delivery Cond. *	Article Type of Product	Dimensions				Weight max 1=t / 2=kg ↓ resu It	Technical Specifications Requirements Technical Regulations	Remarks	
					Thickness mm	∅ mm	from	up to				
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10
<p>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.</p>												
01	Carnech; Reading, PA: 1.4301, 1.4303, 1.4306, 1.4401, 1.4404	DIN 17440	A	Bars Stock/Forging Stock, Wire	5	250	5	250			AD2000-W2, AD2000-W10, AD2000-W0 **	
02	316,316L, 304, 304L 1.4401, 1.4404	ASTM A276/A479 DIN 17440	A A	Bars Wire			1	7.1			**	
03	F316, F316L, F304	ASTM A182 (Chemistry only)	A	Bars Wire			5	250			**/**	
04	1.4301, 1.4306, 1.4401, 1.4404	EN 10272	A	Bars / Forging Stock	5	160	5	160			AD2000-W2, AD2000-W10 **	
05	Grade 660	ASTM A453	A	Bars			5	250			**	

06	N04400 (Carpenter Monel 400)	ASTM B164	B S	Bars		5	250			**
07	Alloy N10276 (Carpenter C276)	ASTM B574	L	Bars		5	250			**
08	N07750 (Carpenter X750)	ASTM B637	L	Bars		5	250			**
09	N06625	AMS5666	A	Bars		5	250			**
10	N08020	AMS5666	A	Bars		5	250			**
11	Talley, Hartsville, SC: 1.4401, 14404	DIN 17440 EN 10088-3	A	Bars		4.5	30			AD2000-W2, AD2000-W10, AD2000-W0**
12	316, 304, 304L	A276/A479/	A	Bars / Wire		4.5	30			**
13	F316, F316L, F304	ASTM A182 (Chemistry only)	A	Bars Wires		5 1	250 7.1			**/**
Remarks	<p>* A = solution treatment and quenched L = solution treatment N = normalized S = stress relieved annealed TM = thermo mechanical treatment U = not treated ** For equipment fall into Cat. I and II of PED, the equipment manufacturer shall have Particular Material Appraisal (PMA) prepared. For equipment fall into Cat. III and IV, the PMA shall be obtained from equipment manufacturer's Notified Body. *** Manufacturers to carry out 3.2 certification</p> <p>V = quenched and tempered CR = temperature controlled rolled B = Annealing G = soft annealed</p> <p>a = material b = delivery condition c = article d = dimensions in tech. regulations e = weight f = No. of tech. regulation</p>									

