

# Certificate

## Quality-Assurance System for Manufacturer of Materials acc. to Directive 2014/68/EU

Certificate no.: 01 202 CHN/Q-21 0721

Name and address of the  
manufacturer:

**Impro Aerotek Limited**  
**No.18, FuRong Road 5,**  
**Xishan Economy Development Zone,**  
**Wuxi, Jiangsu province, China**

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.:

CHN/Q-21 0721

Area of validity:

Manufacturing of seamless fittings,  
see annex to certificate

Manufacturing plant:

Impro Aerotek Limited  
No.18, FuRong Road 5,  
Xishan Economy Development Zone,  
Wuxi, Jiangsu province, China

Valid until:

July 12, 2024

Cologne, July 13, 2021


Dipl.-Ing. (FH) Vera Ruff




TÜV Rheinland Industrie Service GmbH  
Notifizierte Stelle für Druckgeräte, Kennnummer: 0035  
Am Grauen Stein, D-51105 Köln

E-008-D-Rev22



Scope according to		<input checked="" type="checkbox"/> Directive 2014/68/EU Annex I §4.3	<input type="checkbox"/> EN 764-4				<input checked="" type="checkbox"/> AD 2000-Merkblatt W0		<input type="checkbox"/> FPC, Regulation (EU) No. 305/2011(System 2+)					
Manufacturer					Work				Nationality	Date	Page No..	TÜV Rheinland Industrie Service GmbH		
Company Name: Impro Aerotek Limited Location: No.18, FuRong Road 5, Xishan Economy Development Zone,Wuxi, Jiangsu, China					No.18, FuRong Road 5, Xishan Economy Development Zone,Wuxi, Jiangsu, China				CHINA	2021.06.16	2			
									Rev.:0	of : 3				
Cur -	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weight max 1=t / 2=kg ↓ res ult	Technical Specifications		Remarks		
					Thick-ness mm		Ø mm			Requirements Technical Regulations				
					from	Up to	from	Up to		8a	8b			
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10		
<b>2. Materials according to the AD 2000-Code</b>														
The use of the materials according to DGR 2014/68/EU 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	EN 10253-4	+AT	Seamless elbows	3.0	12.5	50.8	219.1	-	-	AD 2000 W2 VdTÜV MB 1252	<p>The pre-material (fittings) should purchased from PED and AD 2000-W0 approved manufacturer within the approved scope.</p> <p>If the pre-material and/or stainless steel fittings grade and/or size outside approved scope, the material should be inspected and examined as per EN10204 3.2 by TUV Rheinland Group.</p> 		
<b>Remarks</b>	+AT = solution annealed		+NT = normalized and tempered		+QT = quenched and tempered		+M = thermo mechanical treated		+S = soft annealed		+N = normalized or normalizing formed		+SR = stress relieved	a = PMA for the use in pressure equipment in Directive 2014/68/EU is necessary

Scope according to		<input checked="" type="checkbox"/> Directive 2014/68/EU Annex I §4.3	<input type="checkbox"/> EN 764-4		<input checked="" type="checkbox"/> AD 2000-Merkblatt W0		<input type="checkbox"/> FPC, Regulation (EU) No. 305/2011(System 2+)					
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					Thick-ness mm		Ø mm					
					from	Up to	from	Up to				
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10
<b>3. Materials according to international standards ( e. g. ASTM, ASME, IBR etc. )</b>												
The use of the materials according to DGR 2014/68/EU 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	WP304, WP304L	ASME SA403	+AT	Seamless elbows	3.0	12.5	50.8	219.1	-	-		<p>The pre-material (fittings) should purchased from PED approved manufacturer within the approved scope.</p> <p>If the pre-material and/or stainless steel fittings grade and/or size outside approved scope, the material should be inspected and examined as per EN10204 3.2 by TUV Rheinland Group.</p> <p>Note: a</p> 
<b>Remarks</b>	+AT = solution annealed		+NT = normalized and tempered		+AR = as rolled		+QT = quenched and tempered		a = PMA for the use in pressure equipment in Directive 2014/68/EU is necessary			
	+M = thermo mechanical treated		+S = soft annealed		+N = normalized or normalizing formed		+SR = stress relieved					