




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..					
Company Name: TMK-INOX, LLC				Kamensk Uralsky, Zavodskoy pr. 1	Russia	10.05.17	1	TÜV Rheinland Industrie Service GmbH				
Location: Russia, Sverdlovsk reg., Kamensk Uralsky, Zavodskoy pr. 1						Rev.:1	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 Requirements Technical Regulations	Remarks 	
					Thick-ness mm		Ø mm					
					from	Up to	from	Up to				
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10
1. Materials according to harmonized European standards (hEN) and European Approval for Materials (EAM) acc. Directive 2014/68/EU												
The use of the materials according to Directive 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, 1.4306, 1.4541, 1.4571, 1.4401, 1.4404, 1.4571, 1.4462	EN 10216-5	+AT	Cold drawn tube	0,2	10	6	100			EN 10021 EN 10216-5	---
Remarks	+AT = solution annealed +AR = as rolled +M = thermo mechanical treated +N = normalized or normalizing formed			+NT = normalized and tempered +QT = quenched and tempered +S = soft annealed +SR = stress relieved			a = PMA for the use in pressure equipment in Directive 2014/68/EU 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+)																
Manufacturer				Work				Nationality	Date	Page No..													
Company Name: TMK-INOX, LLC				Kamensk Uralsky, Zavodskoy pr. 1				Russia	10.05.17	2	TÜV Rheinland Industrie Service GmbH												
Location: Russia, Sverdlovsk reg., Kamensk Uralsky, Zavodskoy pr. 1								Rev.:1	of : 3														
Cur -	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weight max 1=t / 2=kg ↓ result	Technical Specifications Requirements Technical Regulations	Remarks 												
					Thick-ness mm	∅ mm	from	Up to				from	Up to										
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10											
2. Materials according to the AD 2000-Code																							
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.																							
2	1.4301, 1.4306, 1.4541, 1.4571, 1.4401, 1.4404, 1.4571	EN 10216-5	+AT	Cold drawn tube	0,2	10	6	100			AD 2000 W2 AD 2000 W10	---											
Remarks	<table border="0"> <tr> <td>+AT = solution annealed</td> <td>+NT = normalized and tempered</td> <td>a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary</td> </tr> <tr> <td>+AR = as rolled</td> <td>+QT = quenched and tempered</td> <td></td> </tr> <tr> <td>+M = thermo mechanical treated</td> <td>+S = soft annealed</td> <td></td> </tr> <tr> <td>+N = normalized or normalizing formed</td> <td>+SR = stress relieved</td> <td></td> </tr> </table>											+AT = solution annealed	+NT = normalized and tempered	a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary	+AR = as rolled	+QT = quenched and tempered		+M = thermo mechanical treated	+S = soft annealed		+N = normalized or normalizing formed	+SR = stress relieved	
+AT = solution annealed	+NT = normalized and tempered	a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary																					
+AR = as rolled	+QT = quenched and tempered																						
+M = thermo mechanical treated	+S = soft annealed																						
+N = normalized or normalizing formed	+SR = stress relieved																						

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..		
Company Name: TMK-INOX, LLC				Kamensk Uralsky, Zavodskoy pr. 1				Russia	10.05.17	3	TÜV Rheinland Industrie Service GmbH	
Location: Russia, Sverdlovsk reg., Kamensk Uralsky, Zavodskoy pr. 1								Rev.:1	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 Requirements Technical Regulations	Remarks 	
					Thick-ness mm		Ø mm					
					from	Up to	from	Up to				
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10
3. Materials according to international standards (e. g. ASTM, ASME, IBR etc.)												
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.												
3	TP304, TP304L	ASTM A213/ASME SA213	+AT	Cold drawn tube	0,2	10	6	100			ASME BPVC II	a)
4	TP316, TP316L, TP316Ti, TP321, TP321H	ASTM A213/ASME SA213	+AT	Cold drawn tube	0,2	10	6	100			ASME BPVC II	a)
5	TP304, TP304L	ASTM A312/ASME SA312	+AT	Cold drawn tube	0,2	10	6	100			ASME BPVC II	a)
6	TP316, TP316L, TP316Ti, TP321, TP321H	ASTM A312/ASME SA312	+AT	Cold drawn tube	0,2	10	6	100			ASME BPVC II	a)
Results		+AT = solution annealed +AR = as rolled +M = thermo mechanical treated +N = normalized or normalizing formed			+NT = normalized and tempered +QT = quenched and tempered +S = soft annealed +SR = stress relieved			a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary				