

Scope:		<input checked="" type="checkbox"/> Directive 2014/68/EU Annex I point 4.3				<input type="checkbox"/> EN 764-4				<input type="checkbox"/> AD 2000-Merkblatt W 0				
Certificate holder (Manufacturer of materials)					Manufacturing plant				Nationality		Page No.:		1	
Company Name:		McInnes Rolled Rings 1533 E 12th Street, Erie PA. 16511, USA			1533 E 12th Street, Erie PA. 16511, USA				USA		of :		1	
Location:											Date:		Oct. 10, 2024	
											Rev.:		5	
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		Ø mm							
					from	Up to	fro m	Up to						
1	2	3	4	5	6a	6b	7a	7b	8 a	8b	9	10		
Materials according to other standards														
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	ATM A105 / ASME SA105		AR, N, NT, QT	Forging	-	558	-	3,658	2	4,000	ASTM / ASME	a		
2	ASTM A266 / ASME SA266	Grades 2, 4	N, NT, QT	Forging	-	558	-	3,658	2	4,000	ASTM / ASME	a		
3	ASTM A350 / ASME SA350	Grade LF2	N, NT, QT	Forging	-	558	-	3,658	2	4,000	ASTM / ASME	a		
4	ASTM A182 / ASME SA 182	F6A, F22	NT, A	Forging	-	558	-	3,658	2	4,000	ASTM / ASME	a		
5	ASTM A182 / ASME SA 182	F51, F60	AT	Forging	-	558	-	3,658	2	4,000	ASTM / ASME	a		
6	ASTM A182 / ASME SA 182	F304/F304L	AT	Forging	-	558	-	3,658	2	4,000	ASTM / ASME	a		
7	ASTM A182 / ASME SA 182	F316/F316L	AT	Forging	-	558	-	3,658	2	4,000	ASTM / ASME	a		
8	ASTM A705 / ASME SA 705	UNS1740	AT	Forging	-	558	-	3,658	2	4,000	ASTM / ASME	a		
9	ASTM B564 / ASME SB 564	UNS N06600	AT	Forging	-	558	-	3,658	2	4,000	ASTM / ASME	a		
Remarks		+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								

