

Scope:		<input checked="" type="checkbox"/> Directive 2014/68/EU Annex I point 4.3				<input type="checkbox"/> EN 764-4				<input checked="" type="checkbox"/> AD 2000-Merkblatt W 0			
Certificate holder (Manufacturer of materials)				Manufacturing plant				Nationality		Page No.:		1	
Company Name:		Fenix Industries B.V.		See manufacturer						of :		3	
Location:		Kleibultweg 109 NL-7575 BW Oldenzaal Netherlands		See manufacturer						Date:		14.06.2023	
										Rev.:		1	
Cur -	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weight max		Technical Specifications Requirements	Remarks	
					Thick- ness mm		Ø mm		1=t / 2=kg				
					from	Up to	from	Up to	↓	res ult			
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.													
01	Austenitic stainless steels 1.4308, 1.4309, 1.4408, 1.4409, 1.4552, 1.4581	EN 10213	AT	Casting (sandcasting)	B	B	-	-	1	1,5	EN 13445	B: dimensions according to standard C: condition according to standard	
02	Duplex-steel sand castings 1.4517, 1.4469, 1.4470, 1.4417	EN 10213	AT	Casting (sandcasting)	B	B	-	-	1	1,5	EN 13445		
03	Copper-Aluminium Alloys	EN 1982	C	Casting (sandcasting)	B	B			1	1,5	EN 13445		

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	

Scope:		<input checked="" type="checkbox"/> Directive 2014/68/EU Annex I point 4.3				<input type="checkbox"/> EN 764-4				<input checked="" type="checkbox"/> AD 2000-Merkblatt W 0			
Certificate holder (Manufacturer of materials)				Manufacturing plant				Nationality		Page No.:		2	
Company Name:		Fenix Industries B.V.		See manufacturer						of :		3	
Location:		Kleibultweg 109 NL-7575 BW Oldenzaal Netherlands		See manufacturer						Date:		14.06.2023	
										Rev.:		1	
Cur -	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weight max		Technical Specifications Requirements	Remarks	
					Thick- ness mm		∅ mm		1=t / 2=kg				Technical Regulations
					from	Up to	from	Up to	↓	res ult			
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.													
01	Austenitic stainless steels 1.4308, 1.4408, 1.4552, 1.4581	EN 10213	AT	Casting (sandcasting)	B	B	-	-	1	1,5	AD 2000 W5	B: dimensions according to standard	

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	

Scope:		<input checked="" type="checkbox"/> Directive 2014/68/EU Annex I point 4.3				<input type="checkbox"/> EN 764-4				<input checked="" type="checkbox"/> AD 2000-Merkblatt W 0			
Certificate holder (Manufacturer of materials)				Manufacturing plant				Nationality		Page No.:		3	
Company Name:		Fenix Industries B.V.		See manufacturer						of :		3	
Location:		Kleibultweg 109 NL-7575 BW Oldenzaal Netherlands		See manufacturer						Date:		14.06.2023	
										Rev.:		1	
Cur -	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weight max		Technical Specifications Requirements	Remarks	
					Thick- ness mm		Ø mm		1=t / 2=kg				
					from	Up to	from	Up to	↓	res ult			
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10	



3. Materials according to other standards

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.

01	Austenitic stainless steels CF3, CF8, CF3M, CF8M CF3MN, CK-3MCuN	ASTM A351	AT	Casting (sandcasting)					1	1,5		a
02	Duplex-steel sand castings 1B/CD4MCuN, 4A/CD3MN 6A/CD3MWCuN		AT	Casting (sandcasting)					1	1,5		a
03	Copper-Aluminium Alloys	DIN 1705	C	Casting (sandcasting)					1	1,5		a
04	Manganese-Copper Alloys	ASTM B148 Customer spec. CU4*	C	Casting (sandcasting)					1	1,5		a

C: condition according to standard
*Lloyd's Register of Shipping, ABS
and GL

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	