

Sco	pe:	☑ Directive 2014/68/EU Annex I point 4.3							4-4			⊠ AD 2000	⊠ AD 2000-Merkblatt W 0			
	Certificat		Manufacturing plant						tional	ity Page No.:	1					
Com	pany Name:							TÜV Rheinland								
Loca	ition:	Kleibultweg 109			See manufacturer							Date:	14.06.2023	Industrie Service		
		NL-7575 BW Old Netherlands								Rev.:	1	GmbH				
Cur -		als-term als-No.	Material Specification	Delivery Cond.	Article Type of Product			ensions Ø mm		Weight max 1=t / 2=kg		Technical Specifications Requirements Technical Regulations	Remarks			
					from	Up to	from	Up to	↓ res ult			-01	37			
1		2 3 4			5	6a	6b 7a 7b			8a 8b		9		10		
1. N	laterials acco	ording to harm	onized Europea	n standa	rds (hEN) and	Euro	pear	n App	roval	for	Mate	erials (EAM) acc	. Directive 2	014/68/EU		
parti	cular material app	raisal. With that the	ctive 2014/68/EU is bo manufacturing reliabi must be observed for t	lity for equiv	alent material grad	les acc	ordin	g to othe	ndards er stand	or to lards	the qu (e.g. E	ualification by a Europ S, AFNOR, ASME) is	pean material ap proved. The requ	oroval or to the uirements and limits of		
01 02 03	Austenitic stainle 1.4308, 1.4309,1 1.4552, 1.4581 Duplex-steel sar 1.4517, 1.4469, Copper-Alumini	.4408, 1.4409, nd castings 1.4470, 1.4417	EN 10213 EN 10213 EN 1982	AT AT C	Casting (sandcasting)  Casting (sandcasting)  Casting (sandcasting)	B B	ВВВВ	-	-	1 1 1	1,5 1,5 1,5	EN 13445 EN 13445 EN 13445	C:	ccording to standard ording to standard		



Sco	pe:	I point 4.	3		□ EN 764-4					⊠ AD 2	⊠ AD 2000-Merkblatt W 0					
	Certificat	e holder (Manufac	turer of materials)		Manufa	acturing	plan	t		Nat	ional	ty Page No.	2			
Com	pany Name:	Fenix Industries E	3.V.		See manufacture	r						of:	3 TÜV Rheinland			
Loca	ntion:	Kleibultweg 109			See manufacturer							Date:	14.06.2023	Industrie Service		
		NL-7575 BW Old Netherlands	enzaal								Rev.:	1	GmbH			
Cur		als-term	Material	Delivery	Article		Dime	nsions			ight	Technical		Remarks		
-	Materia	als-No.	Specification	Cond.	Type of Product	Thic	ck- Ø					Specification Requirement		a Rhein/		
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Ì						from	Up	from	Up	↓ -	res	Regulations		Estrial Service		
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1 2 M		ording to the A	3 D 2000-Codo	4	5	6a	6b	7a	7b	8a	8b	9		10		
mate	rial appraisal. With	h that the manufactu	R 2014/68/EU is bound uring reliability for equ t be observed for the ເ	ivalent mate	erial grades accord	ling to o	ther s	tandard	rds or ls (e.g.	to the BS, A	quali FNOR	fication by a Euro , ASME) is prove	ppean material a d. The requireme	pproval or to the particular ints and limits of the		
01	Austenitic stainle 1.4308, 1.4408,		EN 10213	АТ	Casting (sandcasting)	В	В	-	-	1	1,5	AD 2000 W5	B: dimension	s according to standard		

Remarks	+AT	= solution annealed	+NT	=	normalized and tempered	а	= PMA for the use in pressure equipment
	+AR	= as rolled	+QT	=	quenched and tempered		in Directive 2014/68/EU neccessary
	+M	= thermo mechanical treated	+S	=	softannealed		
	+N	= normalized or normalizing formed	+SR	=	stress relieved		



Scope	e:	☑ Directive 2014/68/EU Annex I point 4.3							1-4			⊠ AD 20	⊠ AD 2000-Merkblatt W 0				
	Certificat	e holder (Manufac	cturer of materials)		Manufa	acturing	g plar	nt		Nat	ionali	y Page No.:	No.: 3				
Compa	any Name:	Fenix Industries	B.V.		See manufacture	r						of:	3	TÜV Rheinland			
Locatio		Kleibultweg 109			See manufacture	r						Date:	14.06.2023	Industrie Service			
		NL-7575 BW Old Netherlands	enzaal									Rev.:	1	1 GmbH			
Cur	Materia		Material	Delivery	Article		Dime	nsions			ight	Technical		Remarks			
-	Materia	als-No.	Specification	Cond.	Type of Product	Thic	:k-	Q	ጘ	m	ax	Specifications Requirements		Rhein			
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						mn	n	m	m		=t /	Technical	12				
						from	Up	from	Up	2=	kg res	Regulations	100	rial Service			
							to		to	•	ult						
1		2	3	4	5	6a	6b 7a 7b		7b	8a	8b	9		10			
3. Ma	aterials acco	rding to other	standards														
The us	se of the material	s according to DGI	R 2014/68/EU is bound uring reliability for equ	to the publ	ication of Harmonia	ed Eur	opear	Standa	rds or	to the	qualif	cation by a Euro	ean material appr	oval or to the particular			
			it be observed for the u						is (e.g.	<b>Б</b> Э, А	FNOK,	ASIVIE) IS proved	. The requirements	and limits of the			
	•	•															
01		ainless steels															
	CF3, CF8, C CF3MN, C	,	ASTM A351	AT	Casting (sandcasting)					1	1,5		а				
02	Duplex-steel s	sand castings			(barrabasarig)								а				
	1B/CD4MCuN			AT	Casting					1	1,5		а				
03	6A/CD3I Copper-Alum		DIN 1705	С	(sandcasting) Casting					1	1.5		а				
	Coppor Audit	iiiiiaiii iio yo	ASTM B148	Ü	(sandcasting)						1,0		l a				
04	Manganese-0	Copper Alloys	Customer spec.	С	Casting					1	1,5		а				
			CU4*		(sandcasting)								C: condition a	according to standard			
														ster of Shipping, ABS			
													and GL	11 0,			

R	<u>lemarks</u>	+AT +AR +M +N	<ul> <li>= solution annealed</li> <li>= as rolled</li> <li>= thermo mechanical treated</li> <li>= normalized or normalizing formed</li> </ul>	+NT +QT +S +SR	= = = = =	normalized and tempered quenched and tempered soft annealed stress relieved	а	= PMA for the use in pressure equipment in Directive 2014/68/EU neccessary
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