

Scope:		☒ Directive 2014/68/EU Annex I point 4.3		☐ EN 764-4		☐ AD 2000-Merkblatt W 0	
Certificate holder (Manufacturer of materials)		Manufacturing plant		Nationality		Page No.: 1	
Company Name: Location:		Bends and Welds International Products GmbH Neusser Str. 110 41363 Jüchen Germany		German		TÜV Rheinland Industrie Service GmbH	
Materials-term Materials-No.		Material Specification		Delivery Cond.		Article Type of Product	
Cur -		2		3		4	
Dimensions		Thick- ness mm		Ø mm		Weight max 1=t / 2=kg ↓ res ult	
from		Up to		from		Up to	
6a		6b		7a		7b	
8a		8b		9		10	
Technical Specifications Requirements		Technical Regulations		Remarks			
1		2		3		4	
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	Unalloyed and fine grain steel, seamless	DIN EN 10216-1 / -3	N SR	Induction pipe bends from seamless tubes	85	50	1400
2	Unalloyed and fine grain steel, welded	DIN EN 10217-1 / 3 DIN EN 10253-2	N SR	Induction pipe bends from welded tubes	40	50	1400
3	Unalloyed Steel with specific low temperature properties	DIN EN 10216-4 DIN EN 10217-4/6	N SR	Induction pipe bends from welded and Seamless tubes	40	50	1400

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	

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Certificate holder (Manufacturer of materials)		Manufacturing plant		Nationality		Page No.: 2	
Company Name:		Bends and Welds International Products GmbH		German		of: 5	
Location:		Neusser Str. 110 41363 Jüchen Germany		H.J.H PIPETECH spol.s.r.o. Dolní Bečva 637 75655 Dolní Bečva Cz		Date: 07.05.2026	
Cur -		Materials-term Materials-No.		Article Type of Product		Technical Specifications Requirements	
		Material Specification		Delivery Cond.		Technical Regulations	
		3		4		Remarks	
1		2		5		10	
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4	Unalloyed and alloyed steel with specified elevated temperature properties, welded	DIN EN 10217-2 / -5	N SR	Induction pipe bends from welded tubes	40	50	1400
5	Unalloyed and alloyed steel with specified elevated temperature properties, seamless	DIN EN 10216-2	N SR	Induction pipe bends from seamless tubes	40	50	1400

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Location:		Neusser Str. 110 41363 Jüchen Germany		Dolní Bečva 637 75655 Dolní Bečva Cz		TÜV Rheinland Industrie Service GmbH	
Cur	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions Thick- ness mm from Up to 6a 6b 7a 7b 8a 8b	Weight max 1=t / 2=kg ↓ res ult	Technical Specifications Requirements Technical Regulations
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.							
6	Unalloyed and fine grain steel, seamless	DIN EN 10216-1 / -3	N SR	Induction pipe bends from seamless tubes	85 50 1400	AD 2000 W4 AD 2000 HP8/3	
7	Unalloyed and fine grain steel, welded	DIN EN 10217-1 / 3 DIN EN 10253-2	N SR	Induction pipe bends from welded tubes	40 50 1400	AD 2000 W4 AD 2000 HP8/3	
8	Unalloyed Steel with specific low temperature properties	DIN EN 10216-4 DIN EN 10217-4/6	N SR	Induction pipe bends from welded and seamless tubes	40 50 1400	AD 2000 W4 AD 2000 HP8/3	

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Company Name:		Bends and Welds International Products GmbH		German		of: 5	
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		3		5		Technical Regulations	
1		2		4		10	



2. Materials according to the AD 2000-Code

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		Material Specification	Delivery Cond.	Article Type of Product	Dimensions			Weight max	Technical Specifications Requirements	Remarks
					Thick-ness mm	Ø mm				
					from	Up to	from	Up to		
					6a	6b	7a	7b	8a	8b
9	Unalloyed and alloyed steel with specified elevated temperature	DIN EN 10217-2 / -5	N SR	Induction pipe bends from welded tubes	40	50	1400		AD 2000 W4 AD 2000 HP8/3	
10	Unalloyed and alloyed steel with specified elevated temperature	DIN EN 10216-2	N SR	Induction pipe bends from seamless tubes	40	50	1400		AD 2000 W4 AD 2000 HP8/3	

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1	2	3	4	5	6a 6b 7a 7b 8a 8b	9	10
3. Materials according to other standards							
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11	L175 – L415N L245R – L290R L245M – L555M L245Q – L555Q A25 – X80	DIN EN 10208-2 DIN EN ISO 3183	N SR QT	Induction pipe bends from welded and seamless tubes	40 50 1400	a	
12	ASTM A 106 – Gr. B ASTM A 333 – Gr. 6	ASTM A106, A335 ASTM A 333	N SR QT	Induction pipe bends from Seamless tubes	50 50 460	a	
13	S420N	DIN EN 10025-3 DIN EN 10219-1	N	Induction pipe bends from welded tubes	25 50 560	a	

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