

Scope according to		<input checked="" type="checkbox"/> Directive 2014/68/EU Annex I §4.3	<input checked="" type="checkbox"/> EN 764-4		<input checked="" type="checkbox"/> AD 2000-Merkblatt W0	<input type="checkbox"/> FPC, Regulation (EU) No. 305/2011 (System 2+)
Company Name: Böllinghaus Steel S.A. Trav. Da Industria Ap. 2 Location: P - 2431-909 Vieira de Leiria						
Manufacturer						
Materials-term Materials-No.		Material Specification	Delivery Cond.	Article Type of Product	Dimensions Thick-ness mm from Up to 6a 6b	Weight max 1=t / 2=kg ↓ res ult 8a 8b
1	2	3	4	5	7a 7b	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, 1.4307, 1.4401, 1.4404, 1.4541, 1.4571	EN 10272	AT	austenitic stainless steel bar	8 12 0	EN 10272
2	1.4057	EN 10272	G	martensitic stainless steel bar	8 12 0	EN 10272
3	1.4462	EN 10272	G	Austenitic-ferritic stainless steel bar (duplex)	3 65	EN 10272
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





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Company Name: Böllinghaus Steel S.A. Trav. Da Industria Ap. 2		Work		Page No..				
Location: P - 2431-909 Vieira de Leiria		P - 2431-909 Vieira de Leiria		15.1. 2018 Rev.: 8 of: 3				
Cur	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions	Weight max	Technical Specifications Requirements	Remarks
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.

1	1.4301, 1.4306, 1.4307, 1.4401, 1.4404, 1.4541, 1.4571	EN 10272	AT	8 12 0	austenitic stainless steel bar	AD 2000 W2/W10
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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
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Manufacturer											
Company Name: Böllinghaus Steel S.A. Trav. Da Industria Ap. 2 P - 2431-909 Vieira de Leiria											
Location:	P - 2431-909 Vieira de Leiria										
Cur	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions Thick-ness mm from Up to 6a from to 7a	Weight max 1=t / 2=kg ↓ res uit 8a 8b	Technical Specifications Requirements Technical Regulations	Remarks	Nationality	Date	Page No..
									P	15.1. 2018 Rev.: 8	3 of: 3
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.

	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions Thick-ness mm from Up to 6a from to 7a	Weight max 1=t / 2=kg ↓ res uit 8a 8b	Technical Specifications Requirements Technical Regulations	Remarks
1	AISI 304 / UNS S30400, AISI 304L / UNS S30403, AISI 316 / UNS 31600, AISI 316L / UNS S31603, AISI 316Ti / UNS S31635	A479/A479M – 17 Table 1 SA-479/SA-479M Table 1	AT	austenitic stainless steel bar	8 12 0		A479/A479M – 17 Table 2 SA-479/SA-479M Table 2	a
2	UNS S31803, UNS 32205	A479/A479M – 17 Table 1 SA-479/SA-479M Table 1	G	austenitic stainless steel bar	8 12 0		A479/A479M – 17 Table 2 SA-479/SA-479M Table 2	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
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