

Scope according to		<input checked="" type="checkbox"/> Directive 2014/68/EU Annex I §4.3		<input 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: ODLEWNIA ZELIWA „J. Terlecki” Sp. z o.o. Sp. K.				Work		Nationality		TÜV-Name /Stamp	
Location: 42-125 Kamyk, Gruszewnia ul. Klobucka 63				PL		07.04.17		TÜV Rheinland Industrie Service	
Materials-term Materials-No.		Material Specification		Delivery Cond. *		Article Type of Product		Weight max	
2		3		4		5		1-t / 2=kg	
								Result	
								8a 8b	
								9 10	
<p><b>1. Materials according to harmonized European standards (PED) and European Approval for Materials</b></p> <p>The use of the materials according to PED 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.</p>									
1	EN-GJS400.15	EN 1563	+S	Castings					
2	EN-GJS500.7	EN 1563	+S	Castings					
3	EN-GJS600.3	EN 1563	+S	Castings					
<p><b>Erläuterung</b></p> <p>* +AT = solution treated          +N = Normalized or normalizing formed          +SR = stress relieved          +M = thermo mechanical treated          +AR = not treated</p> <p>+QT = quenched and tempered          +NT = normalized and tempered          +S = soft annealed</p> <p>a = material          b = delivery condition          c = article          d = dimensions in tech. regulations          e = weight          f = No. of tech. regulation          g = PMA for the use in pressure equipment in Directive 2014/68/EU necessary</p>									

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Manufacturer		Work		TÜV-Name /Stamp					
Company Name: ODLEWNIA ZELIWA „J.Terlecki” Sp. z o.o. Sp. K.		-		TÜV Rheinland Industrie Service GmbH					
Location: 42-125 Kamyk, Gruszewnia ul. Klobucka 63				Page No.. 2 of: 3					
Cur No.	Materials-term Materials-No.	Material Specification	Delivery Cond. *	Article Type of Product	Dimensions Thickness mm	Dimensions Ø mm	Weight max	Technical Specifications Requirements Technical Regulations	Remarks
1	2	3	4	5	6a	7a	8a	9	10

**2. Materials according to the AD 2000-Code**

The use of the materials according to PED 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.

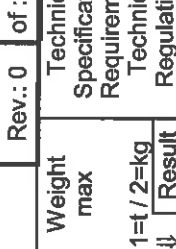
1.	EN-GJL 150, EN-GJL200, EN-GJL250	EN 1561	+S	Castings				AD2000-W3/1
2.	EN-GJS400.15, EN-GJS500.7, EN-GJS600.7	EN 1563	+S	Castings				AD2000-W3/2

\* +AT = solution treated  
 +N = Normalized or normalizing formed  
 +SR = stress relieved  
 +M = thermo mechanical treated  
 +AR = not treated

+QT = quenched and tempered  
 +NT = normalized and tempered  
 +S = soft annealed

a = material  
 b = delivery condition  
 c = article  
 d = dimensions in tech. regulations  
 e = weight  
 f = No. of tech. regulation  
 g = PMA for the use in pressure equipment in Directive 2014/68/EU necessary

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Manufacturer								
Company Name: ODLEWNIA ZELIWA „J.Terlecki” Sp. z o.o. Sp. K.		Work		Nationality	TÜV-Name /Stamp			
Location: 42-125 Kamyk, Gruszewnia ul. Klobucka 63		-		PL	TÜV Rheinland Industrie Service			
Cur No.	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	



**3. Materials according to international standards ( e. g. ASTM, ASME, IBR etc )**

The use of the materials according to PED 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.

No.	Materials-term Materials-No.	Material Specification	Delivery Cond. *	Article Type of Product	Dimensions	Weight max	Technical Specifications Requirements	Remarks
1.	EN-GJL150, EN-GJL200, EN-GJL250	EN 1561	+S	Castings	1,4 25,0			9
2.	EN-GJL150, EN-GJL200, EN-GJL250	EN 12513	+S	Castings	1,4 25,0			9
3.	EN-GJS400.15, EN-GJS500.7, EN-GJS600.3	EN 16124	+S	Castings	1,4 25,0			9

Erläuterung	* +AT = solution treated	+QT = quenched and tempered	a = material
	+N = Normalized or normalizing formed	+NT = normalized and tempered	b = delivery condition
	+SR = stress relieved	+S = soft annealed	c = article
	+M = thermo mechanical treated		d = dimensions in tech. regulations
	+AR = not treated		e = weight
			f = No. of tech. regulation
			g = PMA fort he use in pressure equipment in Directive 2014/68/EU necessary