



Scope according to		<input checked="" type="checkbox"/> Directive 2014/68/EU Annex I §4.3	<input checked="" type="checkbox"/> EN 764-4	<input type="checkbox"/> AD 2000-Merkblatt W0	<input type="checkbox"/> Regulation (EU) No. 305/2011(System 2+)							
Manufacturer			Work		Nationality	Date	Page No..					
Company Name: Dongkuk Steel Mill Co., Ltd.			25, Godaegongdan 1-gil, Songak-eup, Dangjin-si,		Korea	04.Mar 2022	1	TÜV Rheinland Industrie Service				
Location: 25, Godaegongdan 1-gil, Songak-eup, Dangjin-si, Chungcheongnam-do 31719 Korea						Rev.: 5	of : 2	GmbH				
Cur -	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weight max 1=t / 2=kg ↓ res ult	Technical Specifications Requirements Technical Regulations	Remarks	
					Thick-ness mm		Ø mm					
					from	Up to	fro m	Up to				
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10
<b>1. Materials according to harmonized European standards (hEN) and European Approval for Materials (EAM) acc. Directive 2014/68/EU</b>												
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	P275NL1, P275NL2, P355N, P355NL1, P355NL2	EN 10028-3 : 2017	+N	Hot rolled plate	4,5	100	-	-	-	-	EN 10028-1 : 2017	-
												
<b>Remarks</b>	+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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<b>2. Materials according to international standards ( e. g. ASTM, ASME, IBR etc. )</b>												
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	(S)A283-C	ASME/ASTM	+AR,+M	Hot rolled plate	5	60	-	-	-	-	ASME/ASTM	As applicable, the pressure equipment manufacturer or the notified body involved has to agree.(See PED Annex.I sec.4.2) See "a". 
2	(S)A285-C	ASME/ASTM	+AR	Hot rolled plate	5	40	-	-	-	-	ASME/ASTM	
3	(S)A36	ASME/ASTM	+AR	Hot rolled plate	5	203	-	-	-	-	ASME/ASTM	
4	(S)A516-60, 65, 70	ASME/ASTM	+AR,+N	Hot rolled plate	5	100	-	-	-	-	ASME/ASTM	
5	(S)A537-C11	ASME/ASTM	+N	Hot rolled plate	5	70	-	-	-	-	ASME/ASTM	
6	(S)A572-50	ASME/ASTM	+AR,+N,+M	Hot rolled plate	5	100	-	-	-	-	ASME/ASTM	
7	(S)A573-70	ASME/ASTM	+N	Hot rolled plate	5	40	-	-	-	-	ASME/ASTM	
<b>Remarks</b>	+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					