Scope of the approval – Manufacturer of material in accordance with PER 2016/1105, Schedule 2, Part 4, Para. 31 (8)

Annex to certificate no. PER-0168-QS-M 3256904/2023/MUC-01 von / dated 2023-05-02

Manufacturer:	Name:	INDUSTEEL France - Groupe ArcelorMittal		Country:	Date:	Page	**Competent Body of TUV SUD BABT Unlimited**
	Street:	118, Route des Etaings	2, Rue Pétin Gaudet		rev. 0		
	City:	42800 Rive-de-Gier	42400 Saint-Chamond	**FR**	2023-05-02	1 of 2	

No.	Material Designation Material Grade	Material Specification Spec.	Material Specification No.	Delivery Condition Code	Description Product	Dimensions Thickness [mm] from	Dimensions Thickness [mm] to	Dimensions Diameter [mm] from	Dimensions Diameter [mm] to	Weight 1=t 2=kg ↓	Weight value	Requirements Technical Rules Spec.	Requirements Technical Rules No.	**Report no. C-3717878-22** ***dated 2022-12-07*** Remarks
1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10
01*)	S235JR (1.0038), S235J2 (1.0117), S275JR (1.0044), S275J2 (1.0145), S355J2 (1.0577), S355K2 (1.0596)	EN	10025-2	N	Hot rolled plate Hot and cold formed part	300 -	- 200	- -	4600 4600	- -	- -			*) To fulfil essential safety requirements of PER Schedule 2, for each material acc. to non designated standards a Particular Material Appraisal (PMA) is mandatory.
02*)	P235S (1.0112), P265S (1.0130), P275SL (1.1100)	EN	10207	N	Hot rolled plate	160	-	-	3700	-	-			
03	P235GH (1.0345), P265GH (1.0425), P295GH (1.0481), P355GH (1.0473), 16Mo3 (1.5415), 13CrMo4-5 (1.7335), 10CrMo9-10 (1.7380)	EN	10028-2	N, NT, QT	Hot rolled plate Hot and cold formed part	- -	250 200	- -	4600 4600	- -	- -	EN EN	13445-2 13445-4 par. 10	
04	20MnMoNi4-5 (1.6311)	EN	10028-2	QT	Hot rolled plate Hot and cold formed part	- -	250 200	- -	4600 4600	- -	- -	EN EN	13445-2 13445-4 par. 10	
05	15NiCuMoNb5-6-4 (1.6368)	EN	10028-2	NT, QT	Hot rolled plate Hot and cold formed part	- -	200 200	- -	4600 4600	- -	- -	EN EN	13445-2 13445-4 par. 10	
06	P275NH (1.0487), P275NL1 (1.0488), P275NL2 (1.1104), P355N (1.0562), P355NH (1.0565), P355NL1 (1.0566), P355NL2 (1.1106), P460NH (1.8932), P460NL1 (1.8912), P460NL2 (1.8913)	EN	10028-3	N	Hot rolled plate Hot and cold formed part	- -	250 200	- -	4600 4600	- -	- -	EN EN	13445-2 13445-4 par. 10	**For the use of materials acc. to column 2 till 4 the regulations and limits of the respective standards have to be observed. The specific material operating conditions have to be approved by the pressure equipment manufacturer or respectively by the Approved Body in charge.**
07	11MnNi5-3 (1.6212), 13MnNi6-3 (1.6217), 12Ni14 (1.5637), X8Ni9 (1.5662)	EN	10028-4	N, NT, QT	Hot rolled plate		30		3400			EN	13445-2	

Explanation: **AT** = solution annealed **NT** = normalized and temperedrd **N** = normalized **S** = stress relieved **TM** = thermo-mech. treated **U** = not annealed
QT = quenched and tempered **CR** = temperature controlled hot formed (controlled rolled) **A** = annealed **AR** = as rolled
a = material designation in column 10 **b** = condition in column 10 **c** = object in column 10
d = dimensions acc. to technical rules **e** = weight acc. to technical rules **f** = technical rules reference column 10

Scope of the approval – Manufacturer of material in accordance with PER 2016/1105, Schedule 2, Part 4, Para. 31 (8)

Annex to certificate no. PER-0168-QS-M 3256904/2023/MUC-01 von / dated 2023-05-02

Manufacturer:	Name:	INDUSTEEL France - Groupe ArcelorMittal		Country:	Date:	Page	**Competent Body of TUV SUD BABT Unlimited**
	Street:	118, Route des Etaings	2, Rue Pétin Gaudet		rev. 0		
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No.	Material Designation Material Grade	Material Specification		Delivery Condition	Description Product	Dimensions				Weight		Requirements Technical Rules		**Report no. C-3717878-22** ***dated 2022-12-07***
						Thickness [mm]		Diameter [mm]		1=t 2=kg				Remarks
		Spec.	No.	Code		from	to	from	to	↓	value	Spec.	No.	
1	2	3a	3b	4	5	6a	6b	7a	7b	8a	8b	9a	9b	10
08	X2CrNiN18-7 (1.4318), X2CrNi18-9 (1.4307), X2CrNi18-9 (1.4306), X2CrNiN18-10 (1.4311), X5CrNi18-10 (1.4301), X5CrNi19-9 (1.4315), X6CrNi18-10 (1.4948), X6CrNi23-13 (1.4950), X6CrNi25-20 (1.4951), X6CrNiTi18-10 (1.4541), X6CrNiTiB18-10 (1.4941), X2CrNiMo17-12-2 (1.4404), X2CrNiMoN17-11-2 (1.4406), X5CrNiMo17-12-2 (1.4401), X6CrNiMoTi17-12-2 (1.4571), X2CrNiMo17-12-3 (1.4432), X2CrNiMo18-14-3 (1.4435), X1CrNi25-21 (1.4335), X6CrNiNb18-10 (1.4550), X8CrNiNb16-13 (1.4961), X6CrNiMoNb17-12-2 (1.4580), X2CrNiMoN17-13-3 (1.4429), X3CrNiMo17-13-3 (1.4436), X2CrNiMoN18-12-4 (1.4434), X2CrNiMo18-15-4 (1.4438)	EN	10028-7	AT	Hot and cold formed part	-	200	-	4600	-	-	EN	13445-4 par. 10	**For the use of materials acc. to column 2 till 4 the regulations and limits of the respective standards have to be observed. The specific material operating conditions have to be approved by the pressure equipment manufacturer or respectively by the Approved Body in charge.**

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