



**BUREAU
VERITAS**

International Register for Classification of Ships Established 1828
Registre International de Classification de Navires - Fond, en 1828

**MARINE BRANCH
BRANCHE MARINE**

STATEMENT OF FACT

Issued within the scope of the Bureau Veritas Marine Division General Conditions
Delivree dans le cadre des Conditions Generales de Devision Marine du Bureau Veritas

Name of the Company: **SEDINA Sp. z o. o.**

The undersigned surveyor to BUREAU VERITAS Poland, acting within the scope of Bureau Veritas Marine Branch General Conditions certifies that above mentioned Welding Procedures (WPQR and WPS) for 135 Method – Butt welding have been approved by Bureau Veritas Poland Ltd.

1. WPS No. 1/135/PC and WPQR No. 3860-SZC-20;
2. WPS no. 1/135/PF and WPQR No. 3861-SZC-20;

Szczecin; 19 October 2020



Tomasz Bany
Tomasz Bany

Surveyor to Bureau Veritas Poland

The latest published Rules of the Bureau Veritas Marine Branch and then General Condition therein are applicable.
La dernière édition des Règlements de la Branche Marine du Bureau Veritas ainsi que les Conditions Générales qui y figurent sont applicables.

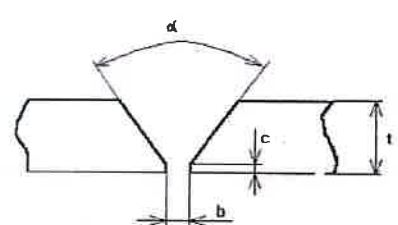
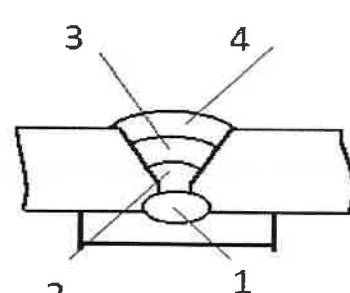
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SEDINA Sp. z o.o.	INSTRUKCJA TECHNOLOGICZNA SPAWANIA WPS NR: WELDING PROCEDURE SPECIFICATION WPS NO:	NR ; 1/135/PF	Strona/Page: 1
			Stron/Pages: 1

1	Instrukcja technologiczna spawania: Welding procedure specification:	Spawanie lukowe w osłonie aktywnych gazów ochronnych Metal Active Gas Welding	3	Welding Procedure Qualification Record No.	3861-SZC-20
2	Wytwórca: Manufacturer:	Sedina Sp. Z o.o.	4	Zakres uprawnień: Range of qualification:	PA;PB;PC;PD;PE;PG

5	Sposób przygotowania i czyszczenia: Edge preparation and clearing:	Cięcie termiczne. Szczotka druciana Thermal cutting Wire brush	9	Metoda spawania: Welding method:	135 na podkładce ceramicznej (EN 24063/ISO 4063)
6	Specyfikacja materiału podstawowego: Parent material specification:	DH36	10	Rodzaj spoiny: Type of joint:	BW zł. doczołowe But joint
7	Grubość materiału podstawowego [mm]: Parent material thickness [mm]:	15	11	Złącze próbne/Pozycja spawania: Test joint/Welding position:	PF- pionowa do góry(EN 287-1) PF-(EN 287-1)
8	Grupa materiałowa: Parent group:	1.1;1.2	12	Prąd spawania: Welding current:	Staly (DC) „+” na elektrodzie DC “+” on electrode

13	Rysunek złącza: Sketch of joint:	14	Kolejność spawania: Welding sequence:
			
T (MM)	B (MM)	C (MM)	α (°)
15	2-3	0-1	55-60

15	Szczegóły dotyczące spawania: Details of welding:						
Scieg Layer	Wymiar spoiny [mm] Dimension of filler material	Natężenie prądu [A] Current	Napięcie luku [V] Voltage	Rodzaj prądu Biegunowość Type of current Polarity	Szybkość podawania drutu [m/min] Wire feed speed	Prędkość spawania [mm/s] Welding speed	Energia liniowa [kJ/mm] Heat input
1	1,2	100	20	Prąd stały Biegunowość dodatnia DC+ D.C.R.P.	2,5	1,12	1,43
2	1,2	100	20		2,7	1,16	1,38
3	1,2	110	21		2,7	0,88	2,10
4	1,2	90	19		2,0	0,84	1,63

16	Rodzaj spoiny, oznaczenie wytwórcy: Type of filler material, manufacturer:	EWM SW70S G3 AWS A-5 18 ER70S-3	24	Temperatura podgrzania wstępnego: Preheating temperature:	Nie dotyczy None
17	Specjalne zalecenia suszenia: Special recommendation of drying:	Nie dotyczy None	25	Temperatura międzycięgowa: Interpass temperature:	Max. 200°C None
18	Gaz osłonowy/Topnik: Shielding gas/Backing/Flux:	C1 wg. PN-EN 439 None	26	Metoda obróbki cieplnej po spawaniu, temperatura, czas: Postweld heat treatment method, temperature, time:	Nie dotyczy None
19	Natężenie przepływu gazu osłonowego [l/min]: Shielding gas flow rate [l/min]:	18	27	Szybkość grzania i chłodzenia: Heating and cooling time:	Nie dotyczy None
20	Gaz formujący: Backing:	Nie dotyczy None	28	Informacje dodatkowe: Additional informations:	Można stosować zamieszki materiałów dodatkowych
21	Natężenie przepływu gazu formującego [l/min]: Backing gas flow rate [l/min]:	Nie dotyczy None			
22	Rodzaj elektrody wolframowej/średnica [mm]: Type of tungsten electrode/diameter [mm]:	Nie dotyczy None	29	Data, nazwisko i podpis opracowującego technologię: Date, name and signature person working out technology:	Europejski Inżynier Spawania mgr inż. Marek Radmacher
23	Żłobienie (szlifowanie grani): Gouging (root grinding):	Nie dotyczy None	30	Data, nazwisko i podpis zatwierdzającego technologię: Date, name and signature person accepting technology:	Tomasz Bony SUPERVISOR to Bureau Veritas Szczecin

Europejski Inżynier Spawania
 mgr inż. Marek Radmacher
 Tomasz Bony
 SUPERVISOR
 to Bureau Veritas Szczecin
 18/10/2020



**BUREAU
VERITAS**



WELDING PROCEDURE QUALIFICATION RECORD No. 3861-SZC-20

According to Bureau Veritas Marine Branch Rules & Regulations

Delivered to the manufacturer:

Sedina Sp z o.o.

After execution of the welded test pieces: 1/135/PF

The (date): 07-08-2020 in (location): Szczecin

In the presence of: Tomasz Bany / Surveyor

Belonging to Bureau Veritas:

Region: Poland Centre: Szczecin

which certified that the welding procedure, according to the preliminary welding procedure specification (pWPS) in annex stated by the manufacturer, has given satisfactory results, in accordance with the requirements of the Bureau Veritas Marine Branch Rules & Regulations (NR 216 DT R05 E, Ch. 5, Sec. 4)

Record issued the: 22-09-2020

with the reference documents (Test No.):

1. Test Report No 689/079/20/T
2. WPS 1/135/PF

Name, date and signature of the authorized examiner and stamp of Bureau Veritas:

19/10/2020

Tomasz Bany
SURVEYOR
to Bureau Veritas Szczecin



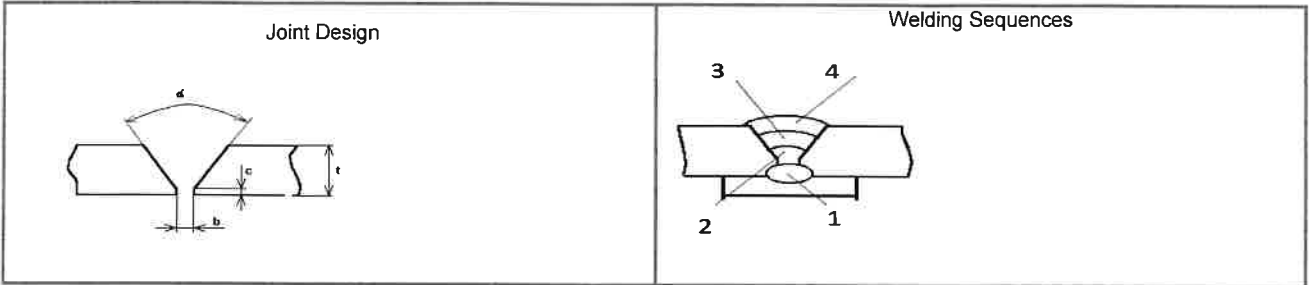


**I.MANUFACTURER'S WELDING PROCEDURE:
VARIABLES DURING WELDING TEST**

pWPS No. DH36-15
Joint Type: Butt weld BW/PF
Weld Preparation Details and Cleaning: Machine cutting , grinding, wire brush

Parent Material Specification: DH 36
Batch number: 525896
Steel Group: 1.2
Material Thickness (mm): 15
Outside Diameter (mm): n/a

Type of Steel 2
DH-36
525896
1.2
15
n/a



	1	2	3	4		
Run	135	135	135	135		
Welding Process	PF	PF	PF	PF		
Welding Position	PF	PF	PF	PF		
Autom. Welding - no. of heads						
- weaving*						
- amplitude frequency						
- dwell time						
Manual Welder or Welding Operator	MW	MW	MW	MW		
Filler metal: Wire (w) or Electrode (E)	W	W	W	W		
• Filler metal Classification	AWS: A5.18: ER 70S-6,	AWS: A5.18: ER 70S-6,	AWS: A5.18: ER 70S-6,	AWS: A5.18: ER 70S-6,		
• Type and Trade name	EWM SW 70SG3	EWM SW 70SG3	EWM SW 70SG3	EWM SW 70SG3		
• Diameter	1.2 mm	1.2 mm	1.2 mm	1.2 mm		
• Conserving/Baking						
Auxiliaries:						
• Powdery Flux – Classification						
- Type and Trade name						
• Gas Flux – Classification:	100% CO ₂	100% CO ₂	100% CO ₂	100% CO ₂		
- Type and Trade name LINDE						
• Backing – flow-rate l/min						
• Shielding – flow-rate l/min	18	18	18	18		
• Plasma						
Tungsten Electr./Type and Size						
Type of Current	DC	DC	DC	DC		
Electrode or Wire Polarity	(+)	(+)	(+)	(+)		
Current (A)	100	100	110	90		
Voltage (V)	20	20	21	19		
Pulsed Welding						
Execut. speed of a run (mm/s)	1,12	1,16	0,88	0,84		
Wire Feed Speed (m/min)	2,5	2,7	2,7	2,0		
V x A	1,43	1,38	2,10	1,63		
Power in kJ/mm = 0,8x 1000 x S(m/s)						
Preheat temperature in °C	n/a					
Interpass temperature in °C		180°	175°	192°		
Welding Equip. – Trade mark						
- Welding set						
Backing Strip (type)						
Back chipped groove (gouging, grinding)						

Post-Heating : No Yes Temperature °C : _____ Time : _____
 Post-Weld Heat Treatment and/or Ageing : No Yes Ref.: _____ Heating Rate in °C/h: _____
 Max Temperature in °C and Time : _____ Cooling Rate in °C/h: _____ from _____ to _____
 _____ from _____ to _____

OTHER INFORMATION : _____
 Weaving (maximal width) : _____ Frequency, temporization : _____
 Torch Angle : 45-50° Pulse welding details : _____
 Stand off distance : 18-25 Plasma welding details : _____

II. TEST RESULTS

1. NON DESTRUCTIVE TESTS	Performed by	Report Nr. and date
Visual	Technic – Control Sp. z o. o.	689/079/20/T 11-09-2020
Magnetic particle	Technic – Control Sp. z o. o.	689/079/20/T 11-09-2020
Ultrasonic Examination	Technic – Control Sp. z o. o.	689/079/20/T 11-09-2020

2. TENSILE TESTS performed by : ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY

Mark of test specimen	Test specimen Section dimension in mm		Rm N/mm ²	cylindrical specimen only			Fracture Location		REMARKS
	Transversal, acting on			Re N/mm ²	A %	Z %	Base Metal	Weld metal	
	All thickness	Part of thickness	Requirements						
			490-620	355					
2/135/PF-1	14,91x25,25		526				yes	no	accepted
2/135/PF-2	14,71x25,85		535				yes	no	accepted

3. BEND TESTS performed by : ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY

Mark of test specimen	Specimen		φ Former (4 "t") 'mm	Direction of bending and section dimension in mm				REMARKS
	Transversal	Longitudinal		Face Bend Test	Reserve Bend Test	Side Bend Test acting on		
			all thickness			part of thickness		
2/135/PF-1			40	SBB	-	15	10	Accepted - 180°
2/135/PF-2			40	SBB	-	15	10	Accepted - 180°
2/135/PF-3			40	SBB	-	15	10	Accepted - 180°
2/135/PF-4			40	SBB	-	15	10	Accepted - 180°

4. IMPACT TESTS performed by: ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY

Specimen dimensions : 5x10

Requirements KV J	KV	300J
Minimal Value	-	
Average	-	

Mark of test specimen	T. °C	Specimen Location Width subsize = b Depth below notch = h	KVL J - Notch Location / Direction						REMARKS
			Weld metal (VWT)		HAZ (VHT)				
					Fusion line		Fusion +2mm		
			Individual	Average	Individual	Average	Individual	Average	
1	-20		62,7	71,2	116	106,7	177	194	
2	-20		88,3		94,2		179		
3	-20		62,7		110		226		

5. HARDNESS TESTS HV 10 :

Test performed yes no by : ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY

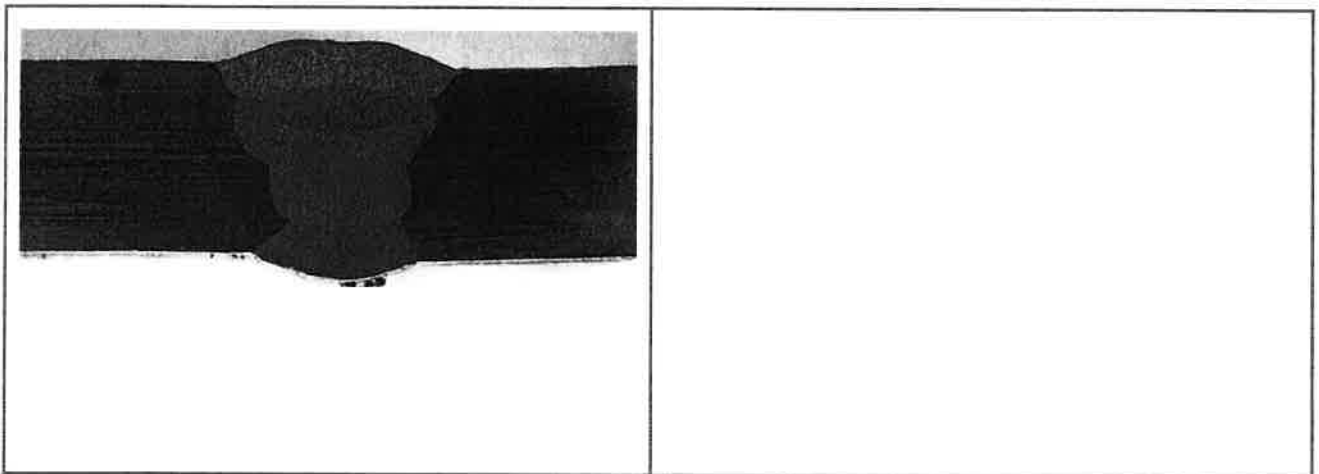
Maximal acceptable value for multi run weld : 350HV

Location of measurements (sketch*)	Indentation Row	Results 1/135/PC-1
	Base material (3 spec.)	I: 170,167,161 - II: 168,163,163
	Heat affected zone (5 spec.)	I: 173,198,219,207,219 - II: 157,172,192,176,185
	Weld (6 spec.)	I: 170,188,181,189,178,182 - II: 149,149,147,147,148,156
	Heat affected zone (5 spec.)	I: 194,209,213,217,197 - II: 188,177,182,170,175
	Base material (3 spec.)	I: 167,170,171 - II: 168,170,167

Location of measurements (sketch*)	Indentation Row	Results
	Base material (3 spec.)	
	Heat affected zone (5 spec.)	
	Weld (6 spec.)	
	Heat affected zone (5 spec.)	
	Base material (3 spec.)	

6. MACROGRAPHIC EXAMINATION performed by : ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY

Etching preparation : Adler acid Magnification : 1,5 : 1




Specimen identification Nr 1:
 Result : Acceptable

Specimen identification Nr 2:
 Result :

WPQR Nr :



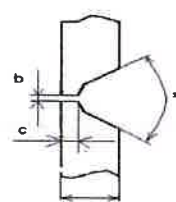
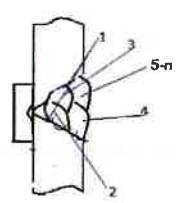
7. OTHER EXAMINATION OR TESTS

Annexed Documents Identification	Name and Signature of Bureau Veritas Examiner or Test Body	Name and Signature of Manufacturer's Representative
Technic Control Spółka z o.o. Report No: 689/079/20/T (11-09-2020)	 Tomasz Bany	
Zachodniopomorski Uniwersytet Technologiczny Report		
Wps 1/135/PF		


Sedina Sp z o.o.	INSTRUKCJA TECHNOLOGICZNA SPAWANIA WPS NR: WELDING PROCEDURE SPECIFICATION WPS NO:	1/135/ PC	Strona/Page: 1
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1	Instrukcja technologiczna spawania: Welding procedure specification:	Spawanie lukowe w osłonie aktywnych gazów ochronnych Metal Active Gas Welding	3	Welding Procedure Qualification Record No.	3860-SZC-20
2	Wytwórca: Manufacturer:	Sedina Sp z o.o.	4	Zakres uprawnień: Range of qualification:	PA;PB;PC;PD;PE;PG

5	Sposób przygotowania i czyszczenia: Edge preparation and clearing:	Frezowanie. Szczotka druciana Milling Wire brush	9	Metoda spawania: Welding method:	135 na podkładce ceramicznej (EN 24063/ISO 4063)
6	Specyfikacja materiału podstawowego: Parent material specification:	Stal okrętowa DH 36 Grade DH 36	10	Rodzaj spoiwy: Type of joint:	BW zł. doczołowe But joint
7	Grubość materiału podstawowego [mm]: Parent material thickness [mm]:	15	11	Złącze próbne/Pozycja spawania: Test joint/Welding position:	PC- naścienna(EN 287-1) PC - horizontal(EN 287-1)
8	Grupa materiałowa: Parent group:	1,1;1,2	12	Prąd spawania: Welding current:	Stały (DC) „+” na elektrodzie DC “+” on electrode

13	Rysunek złącza: Sketch of joint				14	Kolejność spawania: Welding sequence:	
	t (mm)	b (mm)	c (mm)	α (°)			
	15	1-3	1-2	50 - 60			
							

15	Szczegóły dotyczące spawania: Details of welding:						
Ścieg Layer	Wymiar spoiwa [mm] Dimension of filler material	Natężenie prądu [A] Current	Napięcie luku [V] Voltage	Rodzaj prądu Biegunowość Type of current Polarity	Szybkość podawania drutu [m/min] Wire feed speed	Prędkość przesuwu [mm/s] Welding speed	Energia liniowa [kJ/mm] Heat input
1	1,2	120	18	Prąd stały Biegunowość dodatnia DC + D.C.R.P.	2,7	1,83	0,94
2	1,2	185	22,5		5,0	1,86	0,67
3	1,2	190	22,5		5,0	4,79	0,70
4,5,6	1,2	186	22,5		5,0	4,37/6,03/5,86	0,75/0,54/0,56
7	1,2	177	22,5		5,0	5,93	0,53
8	1,2	194	22,5		5,0	5,83	0,59
9	1,2	190	22,5		5,0	5,22	0,64

16	Rodzaj spoiwa, oznaczenie wytwórca: (AWS a 5.1) Type of filler material, manufacturer:	EWM SW70S G3 AWS A-5.18 ER70S-3	24	Temperatura podgrzania wstępnego: Preheating temperature:	Nie dotyczy None
17	Specjalne zalecenia suszenia: Special recommendation of drying:	Nie dotyczy None	25	Temperatura międzycięgowa: Interpass temperature:	Max. 200°C None
18	Gaz osłonowy/Tłopnik: Shielding gas/Backing/Flux:	CI wg. PN-EN 439	26	Metoda obróbki cieplnej po spawaniu, temperatura, czas: Postweld heat treatment method, temperature, time:	Nie dotyczy None
19	Natężenie przepływu gazu osłonowego [l/min]: Shielding gas flow rate [l/min]:	14 - 18	27	Szybkość grzania i chłodzenia: Heating and cooling time:	Nie dotyczy None
20	Gaz formujący: Backing:	Nie dotyczy None	28	Informacje dodatkowe: Additional informations:	Można stosować zamienniki materiałów dodatkowych
21	Natężenie przepływu gazu formującego [l/min]: Backing gas flow rate [l/min]:	Nie dotyczy None			
22	Rodzaj elektrody wolframowej/średnica [mm]: Type of tungsten electrode/diameter [mm]:	Nie dotyczy None	29	Data, nazwisko i podpis opracowującego technologie: Date, name and signature person working out technology:	 Marek Radlmacher Europejski Inżynier Spawalniki 7910102020 Tomasz Bany SURVEYOR to Bureau Veritas Szczecin
23	Żłobienie (szlifowanie grani) Gouging (root grinding):	Nie dotyczy None	30	Data, nazwisko i podpis zatwierdzającego technologie: Date, name and signature person accepting technology:	



**BUREAU
VERITAS**

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WELDING PROCEDURE QUALIFICATION RECORD No. 3860-SZC-20

According to Bureau Veritas Marine Branch Rules & Regulations

Delivered to the manufacturer:

Sedina Sp z o.o.

After execution of the welded test pieces: 1/135/PC

The (date): 21-08-2020 in (location): Szczecin

In the presence of: Tomasz Bany / Surveyor

Belonging to Bureau Veritas:

Region: Poland Centre: Szczecin

which certified that the welding procedure, according to the preliminary welding procedure specification (pWPS) in annex stated by the manufacturer, has given satisfactory results, in accordance with the requirements of the Bureau Veritas Marine Branch Rules & Regulations (NR 216 DT R05 E, Ch. 5, Sec. 4)

Record issued the: 22-09-2020

with the reference documents (Test No.):

1. Test Report No 689/079/20/T
2. WPS 1/135/PC

Name, date and signature of the authorized examiner and stamp of Bureau Veritas:

19/10/2020

Tomasz Bany
SURVEYOR
to Bureau Veritas Szczecin





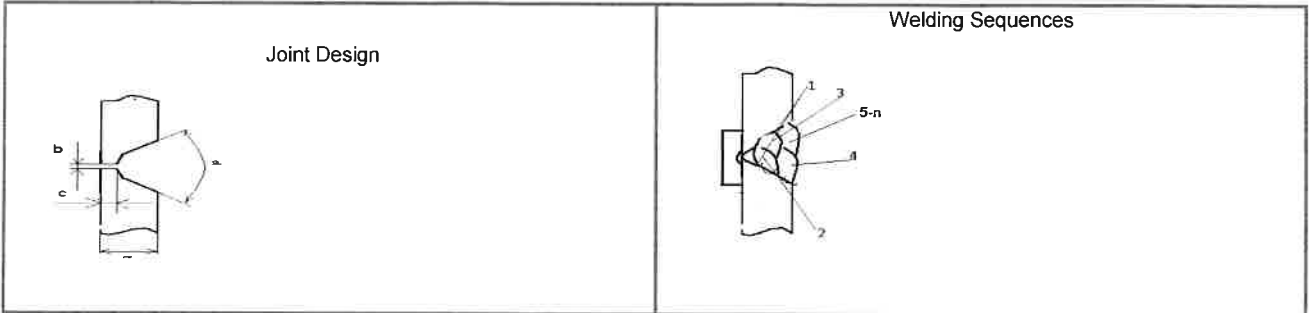
**I.MANUFACTURER'S WELDING PROCEDURE:
VARIABLES DURING WELDING TEST**

pWPS No. DH36-15 PC
Joint Type: Butt weld BW/PC
Weld Preparation Details and Cleaning: Machine cutting , grinding, wire brush

Parent Material Specification:
Batch number:
Steel Group:
Material Thickness (mm):
Outside Diameter (mm):

Type of Steel 1
DH 36
525896
1.2
15
n/a

Type of Steel 2
DH-36
525896
1.2
15
n/a



	1	2	3	4,5,6	7	8	9
Run	135	135	135	135	135	135	135
Welding Process	PC	PC	PC	PC	PC	PC	PC
Welding Position							
Autom. Welding - no. of heads							
- weaving*							
- amplitude frequency							
- dwell time							
Manual Welder or Welding Operator	MW	MW	MW	MW	MW	MW	MW
Filler metal: Wire (w) or Electrode (E)	W	W	W	W	W	W	W
• Filler metal Classification	AWS: A5.18: ER 70S-6,	AWS: A5.18: ER 70S-6,	AWS: A5.18: ER 70S-6,	AWS: A5.18: ER 70S-6,	AWS: A5.18: ER 70S-6,	AWS: A5.18: ER 70S-6,	AWS: A5.18: ER 70S-6,
• Type and Trade name	EWM SW 70SG3	EWM SW 70SG3	EWM SW 70SG3	EWM SW 70SG3	EWM SW 70SG3	EWM SW 70SG3	EWM SW 70SG3
• Diameter	1.2 mm	1.2 mm	1.2 mm	1.2 mm	1.2 mm	1.2 mm	1.2 mm
• Conserving/Baking							
Auxiliaries :							
• Powdery Flux – Classification							
- Type and Trade name							
• Gas Flux - Classification:	100% CO ₂	100% CO ₂	100% CO ₂	100% CO ₂	100% CO ₂	100% CO ₂	100% CO ₂
- Type and Trade name LINDE							
• Backing - flow-rate l/min							
• Shielding - flow-rate l/min	18	18	18	18	18	18	18
• Plasma							
Tungsten Electr./Type and Size							
Type of Current	DC	DC	DC	DC	DC	DC	DC
Electrode or Wire Polarity	(+)	(+)	(+)	(+)	(+)	(+)	(+)
Current (A)	120	185	190	186	177	194	190
Voltage (V)	18	22	22	22	22	22	22
Pulsed Welding							
Execut. speed of a run (mm/s)	1,83	4,86	4,79	4,37/6,03/5,83	5,93	5,83	5,22
Wire Feed Speed (m/min)	2,7	5	5	5	5	5	5
V x A							
Power in kJ/mm = 0,8x _____ 1000 x S(m/s)	0,94	0,67	0,70	0,75/0,54/0,56	0,53	0,59	0,64
Preheat temperature in °C	n/a						
Interpass temperature in °C		150°	133 °160°175°	185 °192 °172 °	149 °	160 °	175 °
Welding Equip. – Trade mark							
- Welding set							
Backing Strip (type)							
Back chipped groove (gouging, grinding)							

Post-Heating : No Yes Temperature °C : _____ Time : _____
 Post-Weld Heat Treatment and/or Ageing : No Yes Ref.: _____ Heating Rate in °C/h: _____
 Max Temperature in °C and Time : _____ Cooling Rate in °C/h: _____ from _____ to _____
 _____ from _____ to _____

OTHER INFORMATION : _____
 Weaving (maximal width) : _____ Frequency, temporization : _____
 Pulse welding details : _____
 Torch Angle : 45-50 ° Stand off distance : 18-25 Plasma welding details : _____

II. TEST RESULTS

1. NON DESTRUCTIVE TESTS	Performed by	Report Nr. and date
Visual	Technic – Control Sp. z o. o.	689/079/20/T 11-09-2020
Magnetic particle	Technic – Control Sp. z o. o.	689/079/20/T 11-09-2020
Ultrasonic Examination	Technic – Control Sp. z o. o.	689/079/20/T 11-09-2020

2. TENSILE TESTS performed by : ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY

Mark of test specimen	Test specimen Section dimension in mm		Rm N/mm ²	cylindrical specimen only			Fracture Location		REMARKS
	Transversal, acting on			Re N/mm ²	A %	Z %	Base Metal	Weld metal	
	All thickness	Part of thickness	Requirements						
			490-620	355					
1/135/PC-1	14,29x25,03		526				yes	no	accepted
1/135/PC-2	14,87x25,26		522				yes	no	accepted

3. BEND TESTS performed by : ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY

Mark of test specimen	Specimen		Φ Former (4 "t") 'mm	Direction of bending and section dimension in mm				REMARKS
	Transversal	Longitudinal		Face Bend Test	Reserve Bend Test	Side Bend Test acting on		
						all thickness	part of thickness	
1/135/PC-1			40	SBB	-	15	10	Accepted - 180°
1/135/PC-2			40	SBB	-	15	10	Accepted - 180°
1/135/PC-3			40	SBB	-	15	10	Accepted - 180°
1/135/PC-4			40	SBB	-	15	10	Accepted - 180°


4. IMPACT TESTS performed by: ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY

Specimen dimensions : 5x10

Requirements KV J	KV	300J
Minimal Value	-	
Average	-	

Mark of test specimen	T. °C	Specimen Location Width subsize = b Depth below notch = h	KVL J - Notch Location / Direction						REMARKS
			Weld metal (VWT)		HAZ (VHT)				
			Individual	Average	Fusion line		Fusion +2mm		
					Individual	Average	Individual	Average	
1	-20		64,4	69,9	76,5	80,4	218	177,3	
2	-20		72,8		100		120		
3	-20		72,6		64,7		194		

7. OTHER EXAMINATION OR TESTS

Annexed Documents Identification	Name and Signature of Bureau Veritas Examiner or Test Body	Name and Signature of Manufacturer's Representative
<p>Technic Control Spółka z o.o. Report No: 689/079/20/T (11-09-2020)</p>	 Tomasz Bany	
<p>Zachodniopomorski Uniwersytet Technologiczny Report</p>		
<p>Wps 1/135/PC</p>		