



INSPECTION CERTIFICATION

According to EN 10204 3.1

Client	SWP	Heat No.	6398	Date of Delivery	Jan., 4, 2023
Products	Super 6 SG2	Test No.	836398	Date of Production	Jan., 2023
Order no.	41824	Size	0.6mm(7306)	Date of Test	Jan., 2, 2023

All-weld-metal/Chemical analysis(%)-CO2/MIXED GAS

C	Si	Mn	P	S	Cr	Ni	Mo	V	Al	Ti+Zr	Cu
0.08	0.89	1.56	0.013	0.012	0.005	0.006	0.004	0.003	0.002	0.03	0.22

Welding conditions

Current type	DC+	Arc voltage(V)	22-26	Interpass temp.	150
Current(A)	220-260	Shielding Gas	EN ISO 14175-C1,M20,M21		

All-weld-metal mechanical properties

Tensile test									
Test no.	Heat treatment	Tensile strength(MPa)			Yield Strength(MPa)			Elongation(%)	
836398	-	548			457			28	
Impact test									
Test no.	Notch type	Test temperature	Shielding Gas	Impact value(J)					Average
				1	2	3	4	5	
836398	V	-40	M21	91	88	89	87	86	88.20
836398	V	-40	C1	83	84	83	85	83	83.60
Radiography			Bending test(Butt Weld)			Hydrogen Test			
II			OK			2.78			



Standard no.: AWS A5.18 ER70S-6

EN ISO 14341-A-G 42 4C1/M21 3Si1

DIN 8559 SG2

0036

14

DOP Ref.: Super 6 SG2 2017-001

EN13479:2017

Approvals: TÜV SÜD

CPR Certificate no.:0036-CPR-S 128.2020.001

We hereby certify that the product described above "complies with the term of the order" and conforms with the related international standards"

Inspecting Department : QC Department

Inspector : **Jeremy Packer**

Specialised welding Products Ltd

Unit 1 , Withins Road, Haydock Industrial Estate, Haydock, WA11 9UD

www.specialisedwelding.co.uk



INSPECTION CERTIFICATION

According to EN 10204 3.1

Client	SWP	Heat No.	6398	Date of Delivery	Jan., 4, 2023
Products	Super 6 SG2	Test No.	836398	Date of Production	Jan., 2023
Order no.	41824	Size	0.6mm(7300)	Date of Test	Jan., 2, 2023

All-weld-metal/Chemical analysis(%)-CO2/MIXED GAS

C	Si	Mn	P	S	Cr	Ni	Mo	V	Al	Ti+Zr	Cu
0.08	0.89	1.56	0.013	0.012	0.005	0.006	0.004	0.003	0.002	0.03	0.22

Welding conditions

Current type	DC+	Arc voltage(V)	22-26	Interpass temp.	150
Current(A)	220-260	Shielding Gas	EN ISO 14175-C1,M20,M21		

All-weld-metal mechanical properties

Tensile test									
Test no.	Heat treatment	Tensile strength(MPa)			Yield Strength(MPa)			Elongation(%)	
836398	-	548			457			28	
Impact test									
Test no.	Notch type	Test temperature	Shielding Gas	Impact value(J)					Average
				1	2	3	4	5	
836398	V	-40	M21	91	88	89	87	86	88.20
836398	V	-40	C1	83	84	83	85	83	83.60
Radiography			Bending test(Butt Weld)			Hydrogen Test			
II			OK			2.78			



Standard no.: AWS A5.18 ER70S-6

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According to EN 10204 3.1

Client	SWP	Heat No.	6398	Date of Delivery	Jan., 4, 2023
Products	Super 6 SG2	Test No.	836398	Date of Production	Jan., 2023
Order no.	41824	Size	0.6mm(7303)	Date of Test	Jan., 2, 2023

All-weld-metal/Chemical analysis(%)-CO2/MIXED GAS

C	Si	Mn	P	S	Cr	Ni	Mo	V	Al	Ti+Zr	Cu
0.08	0.89	1.56	0.013	0.012	0.005	0.006	0.004	0.003	0.002	0.03	0.22

Welding conditions

Current type	DC+	Arc voltage(V)	22-26	Interpass temp.	150
Current(A)	220-260	Shielding Gas	EN ISO 14175-C1,M20,M21		

All-weld-metal mechanical properties

Tensile test									
Test no.	Heat treatment	Tensile strength(MPa)			Yield Strength(MPa)			Elongation(%)	
836398	-	548			457			28	
Impact test									
Test no.	Notch type	Test temperature	Shielding Gas	Impact value(J)					Average
				1	2	3	4	5	
836398	V	-40	M21	91	88	89	87	86	88.20
836398	V	-40	C1	83	84	83	85	83	83.60
Radiography			Bending test(Butt Weld)			Hydrogen Test			
II			OK			2.78			



Standard no.: AWS A5.18 ER70S-6
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INSPECTION CERTIFICATION

According to EN 10204 3.1

Client	SWP	Heat No.	6032	Date of Delivery	Jan., 4, 2023
Products	Super 6 SG2	Test No.	836032	Date of Production	Jan., 2023
Order no.	41824	Size	0.8mm(1512MIXALT)	Date of Test	Jan., 2, 2023

All-weld-metal/Chemical analysis(%)-CO2/MIXED GAS

C	Si	Mn	P	S	Cr	Ni	Mo	V	Al	Ti+Zr	Cu
0.09	0.88	1.57	0.012	0.013	0.006	0.005	0.004	0.003	0.002	0.03	0.22

Welding conditions

Current type	DC+	Arc voltage(V)	22-26	Interpass temp.	150
Current(A)	220-260	Shielding Gas	EN ISO 14175-C1,M20,M21		

All-weld-metal mechanical properties

Tensile test									
Test no.	Heat treatment	Tensile strength(MPa)			Yield Strength(MPa)			Elongation(%)	
836032	-	546			458			28	
Impact test									
Test no.	Notch type	Test temperature	Shielding Gas	Impact value(J)					Average
				1	2	3	4	5	
836032	V	-40	M21	92	89	86	87	88	88.40
836032	V	-40	C1	83	85	83	85	84	84.00
Radiography			Bending test(Butt Weld)			Hydrogen Test			
II			OK			2.78			



Standard no.: AWS A5.18 ER70S-6

EN ISO 14341-A-G 42 4C1/M21 3Si1

DIN 8559 SG2

0036

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DOP Ref.: Super 6 SG2 2017-001

EN13479:2017

Approvals: TÜV SÜD

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INSPECTION CERTIFICATION

According to EN 10204 3.1

Client	SWP	Heat No.	6032	Date of Delivery	Jan., 4, 2023
Products	Super 6 SG2	Test No.	836032	Date of Production	Jan., 2023
Order no.	41824	Size	0.8mm(7304)	Date of Test	Jan., 2, 2023

All-weld-metal/Chemical analysis(%)-CO2/MIXED GAS

C	Si	Mn	P	S	Cr	Ni	Mo	V	Al	Ti+Zr	Cu
0.09	0.88	1.57	0.012	0.013	0.006	0.005	0.004	0.003	0.002	0.03	0.22

Welding conditions

Current type	DC+	Arc voltage(V)	22-26	Interpass temp.	150
Current(A)	220-260	Shielding Gas	EN ISO 14175-C1,M20,M21		

All-weld-metal mechanical properties

Tensile test									
Test no.	Heat treatment	Tensile strength(MPa)			Yield Strength(MPa)			Elongation(%)	
836032	-	546			458			28	
Impact test									
Test no.	Notch type	Test temperature	Shielding Gas	Impact value(J)					Average
				1	2	3	4	5	
836032	V	-40	M21	92	89	86	87	88	88.40
836032	V	-40	C1	83	85	83	85	84	84.00
Radiography			Bending test(Butt Weld)			Hydrogen Test			
II			OK			2.78			



Standard no.: AWS A5.18 ER70S-6

EN ISO 14341-A-G 42 4C1/M21 3Si1

DIN 8559 SG2

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DOP Ref.: Super 6 SG2 2017-001

EN13479:2017

Approvals: TÜV SÜD

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INSPECTION CERTIFICATION

According to EN 10204 3.1

Client	SWP	Heat No.	6097	Date of Delivery	Jan., 4, 2023
Products	Super 6 SG2	Test No.	836097	Date of Production	Jan., 2023
Order no.	41824	Size	1.0mm(7305)	Date of Test	Jan., 2, 2023

All-weld-metal/Chemical analysis(%)-CO2/MIXED GAS

C	Si	Mn	P	S	Cr	Ni	Mo	V	Al	Ti+Zr	Cu
0.08	0.89	1.56	0.013	0.012	0.005	0.005	0.004	0.003	0.002	0.03	0.22

Welding conditions

Current type	DC+	Arc voltage(V)	22-26	Interpass temp.	150
Current(A)	220-260	Shielding Gas	EN ISO 14175-C1,M20,M21		

All-weld-metal mechanical properties

Tensile test									
Test no.	Heat treatment	Tensile strength(MPa)			Yield Strength(MPa)			Elongation(%)	
836097	-	547			457			28	
Impact test									
Test no.	Notch type	Test temperature	Shielding Gas	Impact value(J)					Average
				1	2	3	4	5	
836097	V	-40	M21	91	88	87	87	89	88.40
836097	V	-40	C1	84	85	83	85	85	84.40
Radiography			Bending test(Butt Weld)			Hydrogen Test			
II			OK			2.78			



Standard no.: AWS A5.18 ER70S-6

EN ISO 14341-A-G 42 4C1/M21 3Si1

DIN 8559 SG2

0036

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DOP Ref.: Super 6 SG2 2017-001

EN13479:2017

Approvals: TÜV SÜD

CPR Certificate no.:0036-CPR-S 128.2020.001

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Inspecting Department : QC Department

Inspector : **Jeremy Packer**

Specialised welding Products Ltd

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INSPECTION CERTIFICATION

According to EN 10204 3.1

Client	SWP	Heat No.	6097	Date of Delivery	Jan., 4, 2023
Products	Super 6 SG2	Test No.	836097	Date of Production	Jan., 2023
Order no.	41824	Size	1.0mm(7313)	Date of Test	Jan., 2, 2023

All-weld-metal/Chemical analysis(%)-CO2/MIXED GAS

C	Si	Mn	P	S	Cr	Ni	Mo	V	Al	Ti+Zr	Cu
0.08	0.89	1.56	0.013	0.012	0.005	0.005	0.004	0.003	0.002	0.03	0.22

Welding conditions

Current type	DC+	Arc voltage(V)	22-26	Interpass temp.	150
Current(A)	220-260	Shielding Gas	EN ISO 14175-C1,M20,M21		

All-weld-metal mechanical properties

Tensile test									
Test no.	Heat treatment	Tensile strength(MPa)			Yield Strength(MPa)			Elongation(%)	
836097	-	547			457			28	
Impact test									
Test no.	Notch type	Test temperature	Shielding Gas	Impact value(J)					Average
				1	2	3	4	5	
836097	V	-40	M21	91	88	87	87	89	88.40
836097	V	-40	C1	84	85	83	85	85	84.40
Radiography			Bending test(Butt Weld)				Hydrogen Test		
II			OK				2.78		



Standard no.: AWS A5.18 ER70S-6
 EN ISO 14341-A-G 42 4C1/M21 3Si1
 DIN 8559 SG2

0036
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 DOP Ref.: Super 6 SG2 2017-001
EN13479:2017

Approvals: TÜV SÜD
 CPR Certificate no.:0036-CPR-S 128.2020.001

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Inspecting Department : QC Department
 Inspector : **Jeremy Packer**



INSPECTION CERTIFICATE

According to EN 10204 3.1

Client	SWP	Heat No.	5771	Date of Delivery	Jan., 4, 2023
Products	SUPER 6SG3	Test No.	5435771	Date of Production	Jan., 2023
Order no.	41824	Size	1.0mm(7321)	Date of Test	Jan., 2, 2023

All-weld-metal/Chemical analysis(%)-CO2/MIXED GAS

C	Si	Mn	P	S	Cr	Ni	Mo	V	Al	Ti+Zr	Cu
0.08	0.96	1.79	0.013	0.012	0.006	0.005	0.003	0.002	0.002	0.04	0.22

Welding conditions

Current type	DC+	Arc voltage(V)	22-26	Interpass temp.	150
Current(A)	220-260	Shielding Gas	EN ISO 14175-C1,M20,M21		

All-weld-metal mechanical properties

Tensile test									
Test no.	Heat treatment	Tensile strength(MPa)			Yield Strength(MPa)			Elongation(%)	
5435771	-	548			467			27	
Impact test									
Test no.	Notch type	Test temperature	Shielding Gas	Impact value(J)					Average
				1	2	3	4	5	
5435771	V	-40	M21	88	91	92	87	88	89.20
5435771	V	-40	C1	82	82	83	85	83	83.00
Radiography			Bending test(Butt Weld)				Hydrogen Test		
II			OK				2.75		



Standard no.: AWS A5.18 ER70S-6

EN ISO 14341-A-G 42 4C1 4Si1

EN ISO 14341-A-G 46 4M21 4Si1

DIN 8559 SG3

0036

14

DOP Ref.: Super SG3 2014-001

EN13479:2017

Approvals: TÜV SÜD

CPR Certificate no.:0036-CPR-S 128.2020.001

We hereby certify that the product described above "complies with the term of the order" and conforms with the related international standards"

Inspecting Department : QC Department

Inspector : **Jeremy Packer**

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INSPECTION CERTIFICATION

According to EN 10204 3.1

Client		Heat No.	12408	Date of Delivery	Jan., 4, 2023
Products	E71T-GS	Test No.	2212408	Date of Production	Jan., 2023
Order no.	41824	Size	0.8mm(7335)	Date of Test	Jan., 2, 2023

All-weld-metal/Chemical analysis(%)-CO2/MIXED GAS

C	Si	Mn	P	S	Cr	Ni	Mo	V	Al	Ti+Zr	Cu
0.07	0.37	1.37	0.013	0.011	0.005	0.004	0.004	0.005	0.20	0.06	0.37

Welding conditions

Current type	DC-	Arc voltage(V)	low	Interpass temp.	150
Current(A)	low	Shielding Gas	No gas		

All-weld-metal mechanical properties

Tensile test

Test no.	Heat treatment	Tensile strength(MPa)	Yield Strength(MPa)	Elongation(%)
2212408	-	438	---	19

Impact test

Test no.	Notch type	Test temperature	Shielding Gas	Impact value(J)					Average
				1	2	3	4	5	
2212408	V	0	No gas	19	17	18	16	17	17.40

Radiography

Bending test(Butt Weld)

Hydrogen Test

II

OK

7.6

We hereby certify that the product described above "complies with the term of the order" and conforms with the related international standards"

Standard no.: AWS A5.20 E71T-GS

Inspecting Department : QC Department

Inspector : **YAJUN,ZHAO**

Specialised welding Products Ltd

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INSPECTION CERTIFICATION

According to EN 10204 3.1

Client		Heat No.	12408	Date of Delivery	Jan., 4, 2023
Products	E71T-GS	Test No.	2212408	Date of Production	Jan., 2023
Order no.	41824	Size	0.8mm(7337)	Date of Test	Jan., 2, 2023

All-weld-metal/Chemical analysis(%)-CO2/MIXED GAS

C	Si	Mn	P	S	Cr	Ni	Mo	V	Al	Ti+Zr	Cu
0.07	0.37	1.37	0.013	0.011	0.005	0.004	0.004	0.005	0.20	0.06	0.37

Welding conditions

Current type	DC-	Arc voltage(V)	low	Interpass temp.	150
Current(A)	low	Shielding Gas	No gas		

All-weld-metal mechanical properties

Tensile test

Test no.	Heat treatment	Tensile strength(MPa)	Yield Strength(MPa)	Elongation(%)
2212408	-	438	---	19

Impact test

Test no.	Notch type	Test temperature	Shielding Gas	Impact value(J)					Average
				1	2	3	4	5	
2212408	V	0	No gas	19	17	18	16	17	17.40

Radiography

Bending test(Butt Weld)

Hydrogen Test

II

OK

7.6

We hereby certify that the product described above "complies with the term of the order" and conforms with the related international standards"

Standard no.: AWS A5.20 E71T-GS

Inspecting Department : QC Department

Inspector : **YAJUN,ZHAO**

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INSPECTION CERTIFICATION

Client		Heat No.	2512	Date of Delivery	Jan., 4, 2023
Products	E71T-1M	Test No.	2212512	Date of Production	Jan., 2023
Order no.	41824	Size	1.2mm(7332)	Date of Test	Jan., 2, 2023

All-weld-metal/Chemical analysis(%)-CO2/MIXED GAS

C	Si	Mn	P	S	Cr	Ni	Mo	V	Al	Ti+Zr	Cu
0.09	0.38	1.38	0.013	0.012	0.006	0.007	0.008	0.006	0.22	0.08	0.22

Welding conditions

Current type	DC-	Arc voltage(V)	low	Interpass temp.	150
Current(A)	low	Shielding Gas	No gas		

All-weld-metal mechanical properties

Tensile test

Test no.	Heat treatment	Tensile strength(MPa)	Yield Strength(MPa)	Elongation(%)
2212512	-	476	---	18

Impact test

Test no.	Notch type	Test temperature	Shielding Gas	Impact value(J)					Average
				1	2	3	4	5	
2212512	V	-40	Mixture	91	95	89	87	92	90.80

Radiography	Bending test(Butt Weld)	Hydrogen Test
Π	OK	7.8

We hereby certify that the product described above "complies with the term of the order" and conforms with the related international standards"

Standard no.: AWS A5.20 E71T-1

EN ISO 17632-A - T 42 4 R C / M 2 H10

GB/T10045 E501T-1 Brand no:YHE71T-1

Approvals: CCS-ABS-LR-CWB-TÜV-DB-CE-BV

Inspecting Department : QC Department

Inspector : YAJUN,ZHAO