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Welding procedure specification As per ASME section (IX)



Place Of Production: Qom Qaem Pipe Rolling

Production Standard: AWWA C200-17

Date: 02/02/26

Welding process: SAW Station: Inside Welding

Type: Auto

WPS NO:2061 PQR NO:P-2061

آرون آب: Customer

شرکت بازرسی پیاب گستران لیان: Inspector

BASE METAL

Material spec: Din 17100

Wall thickness: 6 mm

Grade: ST 37-2

P-NO:1

Pipe Diameter Range:

600 - 700 mm

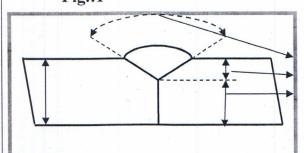
JOINT

Joint Design: Butt Joint, Single -V-Groove

Fig.:1

Weld Position:

ROTATE (1G)



 $\alpha = 60^{\circ} (\pm 5^{\circ})$ $A = 2.0 \pm 1 \text{ mm}$

 $B = 4.0 \pm 2 \text{ mm}$

Root=0-2 mm

SAW INSIDE WELDING

FILLER METAL

Wire type: Ama 50-12

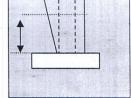
AWS NO.(Class):A5.17 EM12

F-NO: 6 A-NO: 1 Wire dia.(mm)1:Ø 4 Wire dia.(mm)2: ---

Flux Type: SF-873

Welding Parameter	W 1		W 2
Ampere OR WFS	75±10		-
Voltage (V)	28±2		-
Polarity	DC+		-
Stick Out (mm)	26±2		-
Angle	0±2		-
Spacing (mm)		17	*
Travel Speed (Cm/min)		130±10	

Fig.: 2



Pipe flow

Prepared by:

Approved by:

Authorized by:

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Welding specification As per ASME section (IX)



SAW OUTSIDE WELDING

		*		
Filler	Wire Type: Ama 50-12	F-NO:6	Wire dia. (mm)1: Ø 4	
Metal	AWS NO: A5.17 EM12	A-NO: 1	Wire dia. (mm)2:	

Flux/Wire Class: AWS/ASME F7A4-EM12 procedure

Welding Parameter	W 1	W 2		
Ampere OR WFS	80±10			
Voltage (V)	28±2 -			
Polarity	DC+			
Stick Out (mm)	26±2	-		
Angle	0±2	-		
Spacing (mm)	1	7		
Travel Speed(Cm/min)	130	0±10		

Fig.: 3

Pipe flow

PRE H..: NR P.W.H.: NR

GROOVE CLENING TYPE: Milling STRING OR WEAVE: STRING

REAMARK:

Prepared by :	Approved by:	Authorized by :
adling Co.	////	
off bipe to elarante	145	

Man

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Welding procedure specification As per ASME section (IX)



Place Of Production: Qom Qaem Pipe Rolling Production Standard: AWWA C200-12

Date: 02/02/26

Welding process: SMAW Station: Repair Shop

Type: Manual

WPS NO:3061 POR NO:P-3061

آرون آپ: Customer

شرکت بازرسی پیاب گستران لیان: Inspector

Welders Name: Reza Ashiri, mohammad shakori

Material spec: Din 17100 Wall thickness: 6 mm Grade: ST 37-2

P-NO: 1

Pipe Diameter Range:

600-700 mm

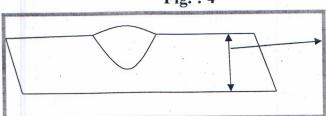
JOINT

Joint Design: Butt Joint, Single-V-Groove, ID&OD

Fig. : 4

Weld Position:

ROTATE (1G)



T=6 mm $\alpha = 30^{\circ} (\pm 10^{\circ})$

Groove Cleaning type: Manual Grinding String or Weave Bead: As Repair Needed

PRE H..:NR P. W. H: NR

FILLER METAL

Electrode: type: E 7018- AMA 1230F

AWS NO.(Class):A5.1

F-NO:4

A-NO: 1

Welding Parameter

	Wichains	1 arameter		
Ampere OR WFS	95-145	140-185	190-230	
Voltage (V)	20-27	20-27	20-27	
Polarity	larity DC+ DC+		DC+	
ØE	3.2	4	5	

Speed: As Repair Size

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Approved by:

Authorized by:

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Welding procedure specification As per ASME section (IX)



Place Of Production: Qom Qaem Pipe Rolling **Production Standard: AWWA C200-12**

Date: 02/02/26

Welding process : **SAW** Station: Skelp Welding

Type: Auto

WPS NO:1061 PQR NO:P-1061

آرون آب: Customer

شرکت بازرسی پیاب گستران لیان: Inspector

BASE METAL

Material spec: Din 17100 Wall thickness: 6 mm

Grade: ST 37-2

P-NO:1

Pipe Diameter Range:

600-700 mm

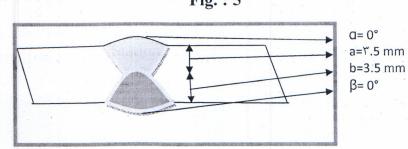
JOINT

Joint Design: Butt Joint, Double-V-Groove

Fig. : 5

Weld Position:

Flat (1G)



SKELP WELDING (INSIDE & OUTSIDE) & Repair Welding

FILLER N	FILLER METAL Wire type: Ama 50-12 AWS NO.(Class):A5.17 EM12		112	F-NO:6 A-NO: 1		Wire dia. (mm): Ø 3.2	
N/ III D		Filler	Metal	Current		Volt age	Speed cm/min
Weld Pass	Process	Class	Dia. (mm)	Type Polar	Ampere OR WFS	30±2	55±10
1 (ID)	S.A.W	(EM12)	3.2	DC+	500±50		
2 (OD)	S.A.W	(EM12)	3.2	DC+	500±50	30±2	55±10

Groove Cleaning type: Manual Grinding

PRE H. & P.W.H. : NR String or Weave Bead: String

Prepared by

Approved by:

Authorized by:

OOM O'

Man