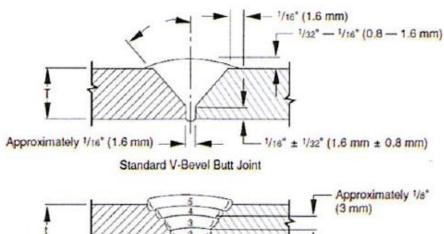
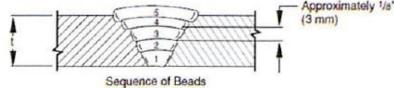
CONSTRUCTION: JOINING OF PIPES BY WELDING

STA	NDARD WELDING PROCEDURE SPECIFICATION #: 7A 7A
Α.	Process: Manual Electric Arc
В.	Material: API-5L Grade A thru X42
C.	Diameter and Wall Thickness: Less than 2 3/8 and less than 0.188 WT
D.	Joint Design: Standard Vee Groove 30 degrees
Б. Е.	Filler Metal and Number of Beads: Electrode Classification Electrode E6010 AWS Class
L.	A5.1 Minimum of 3 Passes
F.	Electrical or Flame Characteristics: D.C. Reverse Polarity, Electrode Positive
G.	Position: Inclined 45 degrees
Н.	Direction of Welding: Vertical Down
1.	Number of Welders: 1
J.	Time Lapse Between Passes: Maximum of 5 minutes between stringer and hot pass; 3
•	minutes maximum when temperature is below 35° F
K.	Type of Line-up Clamp: External
L.	Removal of Line-up Clamp: After 50% completion of stringer bead
M.	Cleaning: Taper grind starts and craters and flatten crown by grinding stringer bead,
	power buff all remaining passes
N.	Speed of Travel: String bead N/A
Ο.	*Preheat, Stress Relief: Maximum of 300°F, Minimum of 150°F Preheating shall be
	done with device or equipment which will heat entire circumference(s) in single
	application 2" back from pipe ends
Ρ.	Notes: Welded pipe strings shall be temporarily capped to prevent air draft cooling of
	stringer beads. Weld shall be completely protected from moisture until it has cooled to
	ambient temperature. Weld zone shall be protected so that the wind velocity near it
.1.	does not exceed 8mph.
*	X-rated pipe must be stress relief if the carbon content exceeds 30% or C+1/4 Mn
	exceeds 65%. Heating of X-rated pipe is limited to 600°F.
	Number: 7A Page:
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CONSTRUCTION: JOINING OF PIPES BY WELDING





Note: Dimensions are for example only.

Bead	Electrode	Amperage	Voltage	AP 4 1	
No.	Diameter	Range	Range	Type Rod	Notes
1	3/32	65-80	20-25	E6010 5P+	
2	1/8**	80-100	25-35	E6010 5P+	
3	1/8	80-100	25-35	E6010 5P+	
4	1/8	80-105	27-37	E6010 5P+	
5					

Bead												
No.						N	otes					
2	Can be ran with 3/32 rod in the same class range at 75-85 amps and 22-27 vots											
-	1											

CONSTRUCTION: JOINING OF PIPES BY WELDING

WEI	LD TEST RE	PORT		(USE SEPAR	RATE FORMFOR	EACH WELDING	PROCEDURE)	5				
DATE	,	,	WELDER'S NA	WE		0.		SOCIAL SECU	BECURITY NUMBER			
A	n 14. 2	2007	Den	rell ,	Lowsh	200		XXX-XX-25/9				
LÓCA	TION VINON	,	NAME OF CON	TRACTOR OR CO	OMPANY	RIGHT HANDE		REQUALIFYING TEST QUALIFYING TEST LINE TES				
PÓSI	NON	FIXED C	ELECTRIC ARC			WEATHER	TEMPERATURE	TIME OF DAY WIND BREA			AK USED	
INCLI	HORIZ		0X-ACETYLEN		RS 🗅	eL	101	2100	PM			
	SPECIFICATION		PIPE MANUFA	CTURER		WALL THICKNESS			DIAMETER (OD) WEIGHT P			
	OF WELDING MA		SIZE	MAKE OF OX-A	CETYLENE	VELDING NO	771 E 917E	OX-ACETYLE	NE DOESSI		18	
1.		nomit.	300	APPARATUS	ash		2	de la				
	D OF ELECTROD	E	_	ACETYLENE RO	D AND SIZE	2007	PASSES - 0X-ACET	TYLENE WELD	WELL	DING PROCEC	URE NO.	
			11/	4		111	1/2			7	A	
		ELECTRODE 1	TYPE AND SIZE		MACHINE	SETTINGS	AMPERAG	GE RG. VOLTAGE RG.			J	.6
					COARSE	FINE				10	pod A	g)r
grp	STRINGER /	w 3/32	5P +		120-190	30	65-8	20	20-2		Je 20"	h D
MPE WELD	HOT PASS Z.	N 1/8	5P+			***	Go.				A Edit	
₹.	HOT PASS Z				120-190	40	80-10		25-3	10	P	
	FILLER (S) Z	N 1/8	5P+	120-190		40	80-10	00	25-3	5		
	CAP PASS Z	:N 1/8	5P+	5P+		45	80-10	-5	27-37			
	COUPON			CROSS SEC.	LOAD	% ELONG.	COMPUTED		REMARKS		AC- CEPTED JE	RE-
	LOCATION	LENGTH	WIDTH	AREA SQ. IN.	-		TENSIL PSI				CEPTOD 3	ELIEU
52	17/	8"	/"	0/60	10,200	25%	62,500	No	9	efect	-	_
TENSILE TESTS	2/2	8"	/"	.160	10,000	25%	62,500	No	de	fact	-	
EN SE	3											
	4 COUPON										AC-	RE-
_	LOCATION		TYPE OF BEND		REMARKS						CEPTED J	ECTED
	121	Los	1		No Cracks Full Pen				Pent		-	_
60	2 0 2	2	,		1			,			_	
TEST	2 RZ	100) E			, ,					-	_
BEND TESTS	3 /=/	F	ee		No defect						4	
m	4 F2	4-4	cc			"					-	_
	COUPON					REMARKS					AC- CEPTED J	RE- ECTED
TESTS	1 1/	Clery Volvet texture										
Æ	, 1/2.											
NCK-BR		wienally and destroymen										
S	3	This wold has been visually alto tested in accordance with API-1104										
	4											
_	SIZE AND WALL THICKNESS OF MAIN GAS PRESSURE ON M						LOCATION OF	FRACTURE				
TES					PSIG				ELO 🗆 NIPPLE 🗅			
33	DID WELD CONTAIN: PINHOLES COLDROLL UNDERCO				UT		DEPTH OF UND	UNDERCUT LENGTH OF UND			DERCUT	
TEE WELD TEST	REMARKS ON T		COLDROLL	UNDERC	U1	2.5						
-	NEMANIA UN	TE HELD		-								
PIPE	WELD	QUALIFIED			ECTRIC ARC ACETYLENE	0	TEE WELD	QUALIFIED NOT QUALIFI		LECTRIC ARC		
TEST	TESTED BY SIGNATURE OX-ACE						TITLE/1/	- John Control	- 7	Z		_
150		Sidiki ung	d ///00	upp			Willer	4 Sug	ado	2		