

13L0938

3" STD 90 DEG, ELBOW

P.O. 135206

PURCHASER : SEYBOLD INT'L CORP.

STANDARD : ASTM A234 WPB-13
ASME SA234 WPB-04
CSA Z245.11-13 Gr.241 CAT I Sour Service

MATERIALS : ASTM A106 Gr.B

INSP. SPEC. : ASME B16.9 -12



INSPECTION CERTIFICATE

RIGID

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DATE: 2014-07-08

ORDER NO: 7008475/3392849-OR-2100

P.I. NO: 14D01-1

CERTIFI. NO: 14G02-1

ACCORDING TO EN10204/DIN50049/3.1

ITEM NO.	PRODUCT & SIZE	QUANTITY PCS	MFG NO.	VISUAL & DIMENSIONAL INSPECTION	HARDNESS MAX. 197 HB	HEAT TREATMENT (NOTE)	MAGNETIC PARTICLE EXAMINATION
1	ELL 90 LR 1.1/4" STD	130	3C3483(3C)	GOOD	127-140	A	
2	ELL 90 LR 1.1/2" STD	400	2L7929(2L)	GOOD	133-137	A	
3	ELL 90 LR 3" STD	1500	13L0938	GOOD	136-146	A	
4	ELL 90 LR 3" XH	250	14E7610	GOOD	133-143	A	
5	ELL 90 LR 4" STD	83	13K652V	GOOD	134-145	A	
6	ELL 90 LR 4" STD	417	14C5362	GOOD	141-144	A	
7	ELL 90 LR 4" XH	400	14C464V	GOOD	138-146	A	
8	ELL 90 LR 8" XH	35	14C3523	GOOD	132-146	A	
9	ELL 90 LR 8" XH	25	14B1919	GOOD	137-147	A	
10	ELL 90 LR 12" STD	25	14C302V	GOOD	142-150	A	

ITEM NO	MATERIAL CHARGE NO.		CHEMICAL COMPOSITION %											* PHYSICAL TEST				
			C x100	Si x100	Mn x100	P x1000	S x1000	Cu x100	Ni x100	Cr x100	Mo x100	V x100	Nb x1000	Y S KSI	T S KSI	*** E %	**	C.E. X100
	STANDARD	MIN.		10	29									35.0	60.0	30.0		
		MAX.	30	35	135	50	58	40	40	40	15	8	20		95.0			50
1	110963		20	21	50	14	4	4	2	3	1	1	<1	43.0	70.4	31.8	L	30
2	318629		18	23	56	6	3	5	4	3	2	<1	<1	42.0	65.7	30.1	L	29
3	13326938		19	24	56	8	4	2	2	6	2	<1	<1	43.1	67.7	31.0	L	30
4	318510		18	25	55	6	3	3	2	2	1	<1	<1	43.5	63.9	31.2	L	28
5	1215302V		15	23	86	11	3	5	2	4	1	<1	1	43.0	68.3	30.7	L	31
6	14300362		18	23	56	8	2	2	3	6	2	<1	<1	44.1	67.3	30.2	L	29
7	1315894V		13	28	88	11	7	5	2	6	<1	<1	1	43.0	66.9	31.3	L	29
8	123423		13	24	105	9	2	10	4	3	2	4	<1	44.0	68.4	31.5	L	33
9	323619		19	25	55	7	3	2	2	4	1	<1	<1	43.5	67.7	31.0	L	29
10	1331642V		15	28	99	11	6	9	3	4	<1	<1	1	43.4	68.1	31.3	L	33

(NOTE):A:HOT FORMED WITH FINAL TEMPERATURE BETWEEN 620°C-980°C,AIR COOLING.

N:NORMALIZING AT TEMPERATURE 880°CX0.5HR,AIR COOLING.

NACE MR-01-75-09/ISO15156.2 NACE MR 0103-12:SATISFACTORY

WE HEREBY CERTIFY THAT THE PRODUCT DESCRIBED HEREIN HAS BEEN MANUFACTURED IN ACCORDANCE WITH THE SPECIFICATIONS CONCERNED AND ALSO WITH THE PURCHASER'S REQUIREMENTS AND THAT THE TEST RESULTS SHOWN HEREIN ARE CORRECT.

* TYPE OF SPECIMEN:STRIP(WIDTH:1 in./GAUGE LENGTH:2 in.) ** SAMPLING DIRECTION:L=LONGITUDINAL T=TRANSVERSE

*** ACTUAL THICKNESS OF SPECIMEN(t) LESS THAN 5/16" E=48t+15 (L) E=32t+10 (T)

Ou L Lan

MANAGER OF Q.A. DEPT.