

Heat #: P110

3/4" 3000# FS SW 90 ELL



SAMYOUNG FITTING

INSPECTION CERTIFICATE

(EN10204 3.1/ISO 10474 3.1)

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Customer	SERVICE METAL_C	Certificate No.	20190724023	Date	2019-07-24			
CPL/BL#	SYF190718-023456C/SEL1907212	Project Name						
Job No.								
Specification for Material	ASME SA105N NACE-2015ED	Dimension and Visual Inspection	GOOD					
HCN	Description				Qty (pcs)	Heat Treatment	Line No.	ITEM CODE
P006	45ELBOW	3000#	NPT	1/4"	100	N: 900 (1652F) AC		3M45T.250
P062	90ELBOW	3000#	NPT	1/4"	400	N: 900 (1652F) AC		3M9T.250
P067	90ELBOW	3000#	SW	1/2"	960	N: 900 (1652F) AC		3M8S.50
P107	HALF COUPLING	3000#	NPT	1-1/4"	380	N: 900 (1652F) AC		3MCPLHT01.25
P110	90ELBOW	3000#	SW	3/4"	500	N: 900 (1652F) AC		3M9S.75
P196	45ELBOW	3000#	NPT	3/4"	60	N: 900 (1652F) AC		3M45T.75
P203	90ELBOW	3000#	NPT	1"	260	N: 900 (1652F) AC		3M9T01.0
P210	90ELBOW	3000#	SW	2"	832	N: 900 (1652F) AC		3M9S02.0
P219	90ELBOW	3000#	SW	1"	1500	N: 900 (1652F) AC		3M9S01.0
P236	HALF COUPLING	3000#	NPT	1/2"	5000	N: 900 (1652F) AC		3MCPLHT.50

CHEMICAL COMPOSITION(%)

HCN	spec.											Raw	Raw Maker
		C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	Heat No	
		Max	0.35	1.05	0.035	0.040	0.35	0.40	0.30	0.12	0.40	0.080	
Min	-	0.60	-	-	0.10	-	-	-	-	-			
P006	L	0.190	0.920	0.012	0.009	0.200	0.110	0.110	0.030	0.120	0.000	C41645	SeAH
P062	L	0.180	0.940	0.012	0.010	0.200	0.060	0.130	0.020	0.150	0.000	D05197	SeAH
P067	L	0.180	0.920	0.022	0.007	0.190	0.050	0.120	0.010	0.110	0.000	D05237	SeAH
P107	L	0.190	0.910	0.014	0.004	0.190	0.040	0.120	0.020	0.090	0.000	D05789	SeAH
P110	L	0.180	0.910	0.011	0.005	0.190	0.060	0.140	0.030	0.120	0.000	D05745	SeAH
P196	L	0.190	0.950	0.015	0.011	0.180	0.060	0.170	0.010	0.180	0.000	D06305	SeAH
P203	L	0.200	0.920	0.013	0.006	0.200	0.050	0.080	0.010	0.120	0.010	C50012	SeAH
P210	L	0.190	0.930	0.011	0.010	0.210	0.050	0.120	0.020	0.110	0.010	C49890	SeAH
P219	L	0.190	0.920	0.013	0.006	0.210	0.060	0.090	0.020	0.110	0.010	C50011	SeAH
P236	L	0.180	0.800	0.013	0.003	0.200	0.060	0.090	0.020	0.090	0.001	A136620	DAEHO

MECHANICAL PROPERTIES

HCN	spec.	Y.S		E.L (%)	Red. (%)	Hardness Test			
		Ksi				HB			
		Max	Min	30.0	70.0	22.0	30.0		
P006	P	52.9	75.0	34.7	51.8	155	148		
P062	P	42.7	74.5	31.8	71.8	146	145		
P067	P	42.7	79.5	30.4	67.9	141	145		
P107	P	43.2	73.4	32.4	68.4	150	147		
P110	P	43.4	73.5	32.5	67.9	141	138		
P196	P	48.3	73.3	33.9	70.4	141	140		
P203	P	43.7	75.5	32.7	72.4	145	147		
P210	P	50.5	80.7	31.2	69.7	152	149		
P219	P	40.5	76.8	32.5	62.7	147	142		
P236	P	51.5	75.4	29.0	64.0	149	151		

We hereby certify that the material herein has been made and tested in accordance with the above specification and also with the requirements called for by the above order.

Remark :

*ORIGIN : KOREA
*THE FITTING SUPPLIED IDENTIFIED AS ASME B16.11-2016
*CONFORMS TO NACE : MR0175-15/ISO 15156-15/MR0135-15

Legend:
HB:Brinell AC:Air Cool
ST:Solution Treatment OC:Oil Cool
SR:Stress Relieving WQ:Water Quenched
HCN:Heat Code No.
N:Normalized
T:Tempered L:Ladle
A:Annealed P:Product
Q:Quenched
(G): Hot-Dip Galvanized Coating
(EG): Electrolytic Galvanized

Reviewed by :
Witnessed by :

Approved by

SAMYOUNGFITTING CO.,LTD.

S. H. Shin
S.H.SKIN

Director of Quality Assurance Dept.

Stock
MATCO FW3L9004 3/4IN FORGED
STEEL SOCKET WELD 90D ELBOW CL30J
4711425
09/19/2019