

ST&H CORPORATION

1270-4 Jwa3dong, Haeundaegu, Busan, Korea Tel:82.51.7444680(5 line) Fax:82.51.7444670 E-mail: fitting@stnhcorp.com

DUPLICATED ORIGINAL

DATE OF ISSUE : MAR. 30. 2010
 CUSTOMER : PLESA ANAHUAC Y CIAS., S.A. DE C.V

INSPECTION CERTIFICATE
 (EN 10204 3.1)

QUALITY INSPECTED AND SUPPLY BY ST&H CORP
 MANUFACTURED BY PUSAN COUPLINGS CO.LTD

발주번호 P/O NO.			원 재료 RAW MATERIAL											성적서 번호 CERTIFICATE NO.																		
SAMPLE			MADE FROM SEAMLESS PIPE											QA100330-01																		
재료규격 Spec. for Material			검사규격 Spec. for Inspection					외관 및 치수검사 Surface & Dimension				비파괴검사 N.D.E.		열 처리 HEAT TREATMENT																		
ASTM A234-07/ASME SA234-07 WPB NACE MR-0175			ASME B16.9					GOOD				MT : GOOD		NORMALIZED (850℃ X 0.5HR)																		
STD	제품번호 STAMP NO.	화 학 성 분 CHEMICAL COMPOSITION (%)												인 장 시 험 Tensile Test				굴곡시험 Bending Test ()	편평시험 flattening Test	경도시험 Hardness Test(HB)	충격시험 Impact Test	수압시험 Hydrostatic Test	C.E									
		C	Si	Mn	P	S	Cr	Mo	Ni	Cu	V	Nb	N	Y-S Mpa	T-S Mpa	EL %	RA %															
SPEC	수량 Q'TY	MIN	0.10	0.29										240	415	22																
		MAX	0.30		1.06	0.050	0.058	0.400	0.15	0.40	0.40	0.08				655								197								
CON RED STD			0.20	0.24	0.56	0.032	0.028	0.036	0.01	0.020	0.028	0.01		280	490	30								0.31								
2" X 1 1/2"		1	01450																													
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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.

1MPa = 145.037 psi
 1MPa = 0.145037 ksi
 1psi = 6894.76 Mpa
 1ksi = 6.89476 Mpa

품질보증부
 QUALITY ASSURANCE DEP'T
 (株) 釜山 카프링
 釜山 釜山 釜山
 B.J KIM
 Q.A -GENERAL MANAGER

Reviewed by
 Witnessed by

C.E. = C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15

양식번호 : QMS-8102-11

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SAMPLE			MADE FROM STEEL PLATE											QA100330-01												
재료규격 Spec. for Material			검사규격 Spec. for Inspection					외관 및 치수검사 Surface & Dimension				비파괴검사 N.D.E.			열 처리 HEAT TREATMENT											
ASTM A234-07/ASME SA234-07 WPB NACE MR-0175			ASME B16.9					GOOD				MT : GOOD			NORMALIZED (850°C X 0.5HR)											
STD	제품번호 STAMP NO.	화 학 성 분 CHEMICAL COMPOSITION (%)												인 장 시 험 Tensile Test				굴곡시험 Bending Test ()	편평시험 flattening Test	경도시험 Hardness Test(HB)	충격시험 Impact Test	수압시험 Hydrostatic Test	C.E			
		C	Si	Mn	P	S	Cr	Mo	Ni	Cu	V	Nb	N	Y-S Mpa	T-S Mpa	EL %	RA %									
SPEC	수량 Q'TY	MIN	0.10	0.29											240	415	22									
		MAX	0.30		1.06	0.050	0.058	0.400	0.15	0.40	0.40	0.08				655							197			
CAP STD			0.15	0.16	0.38	0.015	0.025	0.010	0.01	0.010	0.010	0.01			295	430	34							0.22		
2"	1	42006																								
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품질보증부
 QUALITY ASSURANCE DEPT

(株) 釜山 카프링

부장 김병준

B.J KIM

Q.A -GENERAL MANAGER

양식번호 : QMS-8102-11

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SAMPLE			MADE FROM SEAMLESS PIPE											QA100330-01																			
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ASTM A234-07/ASME SA234-07 WPB NACE MR-0175			ASME B16.9					GOOD				MT : GOOD		620°C ~ 980°C																			
STD	제품번호 STAMP NO.	화 학 성 분 CHEMICAL COMPOSITION (%)												인 장 시 험 Tensile Test				굴곡시험 Bending Test ()	편평시험 flattening Test	경도시험 Hardness Test(HB)	충격시험 Impact Test	수압시험 Hydrostatic Test	C.E										
		C	Si	Mn	P	S	Cr	Mo	Ni	Cu	V	Nb	N	Y-S Mpa	T-S Mpa	EL %	RA %																
SPEC	수량 Q'TY	MIN	0.10	0.29										240	415	22																	
		MAX	0.30		1.06	0.050	0.058	0.400	0.15	0.40	0.40	0.08				655							197										
LR 90D ELBOW STD			0.19	0.24	0.43	0.012	0.023	0.036	0.01	0.020	0.010	0.01		255	470	30								0.27									
2"	1	01181																															
LR 45D ELBOW STD			0.19	0.24	0.43	0.012	0.023	0.036	0.01	0.020	0.010	0.01		255	470	30								0.27									
2"	1	01181																															
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