

DATE OF ISSUE : AUG.08.2011
 CUSTOMER :BROWNSVILLE

INSPECTION CERTIFICATE

(EN 10204:2004 3.1)

ST&H CORPORATION
 1290-4 Jwa3dong, Haeundaegu, Busan, Korea
 Tel : 82.51.7444680 (5 line) Fax : 82.51.7444670

발주번호 P/O NO.			원재료 RAW MATERIAL										성적서번호 CERTIFICATE NO															
BSC 2011-232(PSJ6425)			MADE FROM STEEL PLATE										QA110808-02															
재료규격 Spec. for Material			검사규격 Spec. for Inspection				외관및치수검사 Surface & Dimension				비파괴검사 N.D.E		열처리 HEAT TREATMENT															
ASTM A234-07/ASME SA234-07 WPB NACE MR-0175			ASME B16.9				GOOD				MT:GOOD		NORMALIZED (850°CX0.5HR)															
STD	수량	제품번호 STAMP NO.	화 학 성 분 CHEMICAL COMPOSITION (%)													인 장 시 험 Tensile Test				굽곡시험 Bending Test ()	평판시험 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-P MPa	T-S MPa	EL (%)	RA (%)										
SPEC	MIN		0.10	0.29											240	415	22											
	MAX	0.30		1.06	0.05	0.058	0.40	0.15	0.40	0.40	0.08				655								197					
CAP STD			0.17	0.22	0.45	0.017	0.025	0.01	0.01	0.01	0.01	0.01			320	470	35									0.25		
8"	20	0404																										
CAP XH			0.17	0.21	0.48	0.016	0.026	0.01	0.01	0.01	0.01	0.01			295	450	33									0.26		
12"	5	0418																										
			BLANK																									

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 = 0.00689 MPa
 1ksi = 6.89476 MPa

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

품질보증부
 QUALITY ASSURANCE DEP'T
 (株) 釜山 카프링
 釜山 佐發

B.J. KIM / Q.A -GENERAL MANAGER

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