



BOTH-WELL STEEL FITTINGS CO., LTD.

NO.303, RENXIN ROAD, RENWU DISTRICT, KAOHSIUNG CITY, TAIWAN, R.O.C. (814020)
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WEB SITE : <http://www.bothwell.com.tw> E-Mail : box@bothwell.com.tw

An ISO 9001 : 2015 Registered Manufacturer

MILL TEST & INSPECTION CERTIFICATE

ACCORDING TO EN 10204 3.1

CUSTOMER : TEXAS PIPE & SUPPLY CO.

CERT NO. : 220037

INVOICE NO. : 5200019055

DATE : 01/11/2022

ORDER NO. : 294966-(2 OF 2)

L/C NO. :

ORIGIN : TAIWAN

ITEM	RAW HEAT NO. HEAT NO.	QTY	DESC/GRADE OR SPECIFICATION NO. CHEMICAL COMPOSITION(%) MECHANICAL PROPERTIES.
100	9SN0077 HN1278	3,239 PCS	HALF CPLG F304L 1/2" 3000# NPT D-----TF5TG TAC C:0.022 Si:0.40 Mn:1.84 P:0.036 S:0.026 Cu:0.42 Cr:18.12 Ni:8.10 N:0.085 TS(KSI):87.3 YS 0.2%(KSI):39.3 EL(%):63.3 R.A.(%):76.9 HARDNESS 1(HBW):177 HARDNESS 2(HBW):179

REMARK :

THE MATERIAL SUPPLIED IDENTIFIED AS ASTM A182 -21, ASME SA182-2021ED, F304/F304L

THE FITTING SUPPLIED IDENTIFIED AS ASME B16.11 - 2016

THE PRODUCT SUPPLIED WAS INSPECTED IN ACCORDANCE WITH SPECIFICATION(SURFACE & DIM) : GOOD

STANDARD : CHEMICAL COMPOSITION(%) & MECHANICAL PROPERTIES.

	C	Si	Mn	P	S	Cu	Cr	Ni	Mo	V	Cb(Nb)
MIN	-	-	-	-	-	-	18.0	8.0	-	-	-
MAX	0.030	1.00	2.00	0.045	0.030	-	20.0	11.0	-	-	-
	N	Al	Ti	Zr	CE	TS(KSI)	YS(KSI)	YS 0.2%(KSI)	EL(%)	R of A(%)	HARDNESS(HBW)
MIN	-					75		30	30	50	-
MAX	0.10					-		-	-	-	235

HEAT TREATMENT : SOLUTION, 1060 (1940) W.Q.

CONFORMS TO NACE MR0175-15/ISO 15156-15/MR0103-15

FREE FROM RADIATION CONTAMINATION AND MERCURY FREE

CONFORMS TO ASTM A262 PRACTICE E SPECIFICATION

WE CERTIFY THE ABOVE MENTIONED FITTINGS HAVE BEEN MANUFACTURED,
SAMPLED, TESTED, AND INSPECTED IN ACCORDANCE WITH THE
SPECIFICATIONS SHOWN

Q.C. MANAGER

INSPECTOR