

CERTIFIED MATERIAL TEST REPORT FOR ASTM A563, GRADE A HEAVY HEX NUTS

FACTORY:
ADDRESS:

DATE: APR 27 2013

CHINA
BRIGHTON-BEST INTERNATIONAL (TAIWAN) INC
30.600MPCS

MFG LOT NUMBER:

PO NUMBER: MILL
PART NO: 318360

SAMPLE SIZE : ACC. TO ASME B18. 18. 2M - 93
SIZE: 1.1/4-7 (PLN)

STEEL PROPERTIES

STEEL GRADE: C1045 SIZE: 36mm HEAT NUMBER:

CHEMISTRY SPEC:

C %*100	Mn%*100	P %*100	S %*1000
0.55max	0.30min	0.05max	0.15max
0.44	0.64	0.017	0.004

TEST:

DIMENSIONAL INSPECTIONS

SPECIFICATION: ASME /ANSI B18. 2. 2-87 (R1999)

CHARACTERISTICS	TEST METHOD	SPECIFIED	ACTUAL RESULT	ACC.	REJ.
*****	*****	*****	*****	*****	*****
WIDTH A/F	1.938"-2.000"		1.948"-1.972"	32	0
WIDTH A/C	2.209"-2.309"		2.225"-2.266"	32	0
THREAD	ASME B1.1-02 2R		PASSED	8	0
HEIGHT	1.187"-1.251"		1.198"-1.210"	32	0
MARK			PASSED	100	0

MECHANICAL PROPERTIES:

SPECIFICATION: ASTM A563 GR. A

CHARACTERISTICS	TEST METHOD	SPECIFIED	ACTUAL RESULT	ACC.	REJ.
*****	*****	*****	*****	*****	*****
HARDNESS :	ASTM E18-08	Min B68-C32 Max	HRB 88-89	5	0
PROOF LOAD:	ASTM F606-07	MIN 100000 PSI	100000PSI	5	0

ALL TESTS IN ACCORDANCE WITH THE METHODS PRESCRIBED IN THE APPLICABLE
ASTM OR SAE SPECIFICATION. WE CERTIFY THAT THIS DATA IS A TRUE REPRESENTATION OF