

Sales Order Number: 493438 Line: 1  
 Lot #: 66136-001 MFG Lot #: HOU-22HT0503-059  
 Finished Product Code: 325G0620225-1  
 Finished Description: 5/8 X 2 1/4 A325 HVY HEX BOLT, GALV

## CERTIFIED MATERIAL TEST REPORT

### FOR ASTM A325 TYPE-1 HEAVY HEX STRUCTURAL BOLTS

FACTORY: IFI & Morgan Ltd.  
 ADDRESS: NO.12 Plant 1, Haisheng Road  
 Wuyuan Town, Haiyan, China

REPORT DATE: 2022/8/22

MFG LOT NUMBER: HOU-22HT0503-059

PART NO: MB3G06252250CSK

SAMPLE SIZE: ACC. TO ASTM F1470 - 2009  
 SIZE: 5/8-11X2 1/4 HDG QNTY: 6975 PCS  
 HEADMARKS: A325 & NY

MANU. DATE: 2022/7/12

STEEL PROPERTIES:  
 STEEL GRADE: SWRCH35K

HEAT NUMBER: 21B611037

CHEMISTRY SPEC:

C %	Mn %	P %	S %	Si %	Ni %	Cr %	Bo %
0.30-0.52	0.60min	0.040max	0.050max	0.15~0.30		0.04	0.0004
0.35	0.82	0.014	0.003	0.15	0.01	0.04	0.0004

TEST:

DIMENSIONAL INSPECTIONS  
 CHARACTERISTICS

SPECIFICATION: ASME B18.2.6 - 2011


	SPECIFIED	ACTUAL RESULT	ACC.	REJ.
VISUAL	ASTM F788/788M-08	PASSED	100	0
THREAD	ASME B1.3	PASSED	8	0
WIDTH FLATS	1.031-1.062	1.049-1.054	8	0
WIDTH A/C	1.175-1.227	1.193-1.216	8	0
HEAD HEIGHT	0.378-0.403	0.382-0.395	8	0
BODY DIA.	0.605-0.642	0.609-0.635	8	0
THREAD LENGTH	1.25Min	1.259-1.265	8	0
LENGTH	2.130-2.250	2.155-2.232	8	0

MECHANICAL PROPERTIES: 1/2" thru 1"

SPECIFICATION: ASTM F3125/F3125M-18 TYPE 1

CHARACTERISTICS	TEST METHOD	SPECIFIED	ACTUAL RESULT	ACC.	REJ.
CORE HARDNESS:	ASTM F606-2010a	25-34 HRC	29-30	8	0
WEDGE TENSILE:	ASTM F606-2010a	MIN 120000 PSI	138163-141824	4	0
PROOF LOAD	ASTM F606-2010a	MIN 85000 PSI	86693	4	0
YIELD STRENGTH	ASTM F606-2010a	MIN 92000 PSI	92821-93472	4	0
DECARBURIZATION	SAE J121-99		PASSED	1	0
HOT DIP GALVANIZED	ASTM F2329-07	MIN 0.0017" IN	0.0017-0.0018 IN	5	0

ALL TESTS IN ACCORDANCE WITH THE METHODS PRESCRIBED IN THE APPLICABLE ASTM SPECIFICATION. WE CERTIFY THAT THIS DATA IS A TRUE REPRESENTATION OF INFORMATION PROVIDED BY THE MATERIAL SUPPLIER AND OUR TESTING LABORATORY. All parts meet the requirements of FQA and records of compliance are on file.  
 Maker's ISO 9001:2015 SGS Certificate # HK04/0105

  
 (SIGNATURE OF Q.A. LAB MGR.)  
 (NAME OF MANUFACTURER)

The above described product was manufactured, sampled, tested and inspected in accordance with the required specification, including any supplementary requirements or other requirements designated in the purchase order or contract and were found to meet those requirements.