



**GEM-YEAR TESTING LABORATORY
CERTIFICATE OF INSPECTION**

MANUFACTURER: GEM-YEAR INDUSTRIAL CO., LTD.

ADDRESS: NO.8GEM-YEAR
ROAD,E.D.Z.JIASHAN,ZHEJIANG,P.R.CHINA

PURCHASER: MAPTCO FASTENERS (AUST) PTY LTD

PO. NUMBER: MAP-2022M

COMMODITY: ISO 4016 HEX BOLT THREAD LENGTH CHANGE CL 4.6

SIZE: M24-3.00X80 T/L:55MM

LOT NO: 1B2060262(1A20903641)

SHIP QUANTITY: 1,500 PCS

HEADMARKS: GENIUS SYMBOL & 4.6

COUNTRY OF ORIGIN: CHINA

TEL: (0573) 84185001 (48Lines)

FAX: (0573) 84184488 84184567

DATE: 2020/09/28

PACKING NO: GEM200824005

INVOICE NO: GEM/MAP-200929MEL

PART NO: M692

SAMPLING PLAN:

ASME B18.18-2017/ASTM F1470-2018

HEAT NO: 19112298-3

MATERIAL: X1008A

FINISH: HOT DIP GALVANIZED PER ASTM
A153/ASTM F2329

PERCENTAGE COMPOSITION OF CHEMISTRY: TEST FACILITY :S

Chemistry	A1%	C%	Mn%	P%	S%	Si%
Spec.:MIN.	0.0200					
MAX.		0.1000	0.6000	0.0300	0.0350	0.1000
Test Value	0.0300	0.0800	0.3600	0.0160	0.0060	0.0400

DIMENSIONAL INSPECTIONS: ACCORDING TO ISO 4016

TEST FACILITY : M

SAMPLED BY: WUMENGJIE

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC	REJ
SURFACE DISCONTINUITIES	18 PCS	IS06157.3			PASSED	18	0
NOMINAL LENGTH	13 PCS	JB/T 9151		78.5000-81.5000 MM	79.6300-80.2100 MM	13	0
MAJOR DIAMETER	3 PCS	JB/T 9151		23.6300-24.0000 MM	23.8500-23.8700 MM	3	0
WIDTH ACROSS CORNERS	3 PCS	JB/T 9151		Min. 39.5500 MM	40.8500-40.9400 MM	3	0
THREAD LENGTH	13 PCS	JB/T 9151		Min. 55.0000 MM	61.5300-61.7900 MM	13	0
BODY DIAMETER	3 PCS	JB/T 9151		23.1600-24.8400 MM	23.8700-23.8900 MM	3	0
WIDTH ACROSS FLATS	3 PCS	JB/T 9151		35.0000-36.0000 MM	35.6500-35.7300 MM	3	0
HEIGHT	3 PCS	JB/T 9151		14.1000-15.9000 MM	15.1000-15.1200 MM	3	0
THREAD	13 PCS	JB/T 9151		nut	PASSED	13	0

MECHANICAL PROPERTIES: ACCORDING TO ISO 898.1-2013

TEST FACILITY : M

SAMPLED BY: JINSHENGXIA

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC	REJ
TENSILE STRENGTH	3 PCS	ISO898.1		Min. 400 N/MM2	415-430 N/MM2	3	0
CORE HARDNESS	13 PCS	ISO898.1		67-95 HRB	83.5-86.7 HRB	13	0

ALL TESTS ARE IN ACCORDANCE WITH THE METHODS PRESCRIBED IN THE APPLICABLE ASTM/SAE/ASME. SPECIFICATION. WE CERTIFY THAT THIS DATA IS A TRUE REPRESENTATION OF INFORMATION PROVIDED BY THE MATERIAL SUPPLIER AND OUR TESTING LABORATORY.

THE REPORT IS ISSUED ACCORDING TO ISO16228 F3.1(EN10204 3.1)

TYPE M: MANUFACTURER

TYPE S: SUPPLIER(STEEL MILL,PLATING SUB SUPPLIER,HEAT TREATMENT SUB SUPPLIER ETC.,)

WE CERTIFY THE PARTS ARE ROHS COMPLIANT.

SIGNATURE: