



**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-2011F  
 COMMODITY: ISO 4032 NUTS CL 6  
 SIZE: M16-2.00 O/T:0.40MM  
 LOT NO: 1N202A007(1A20608021)  
 SHIP QUANTITY: 4,500 PCS  
 HEADMARKS: GENIUS SYMBOL & 6  
 COUNTRY OF ORIGIN: CHINA

TEL: (0573) 84185001 (48Lines)  
 FAX: (0573) 84184488 84184567  
 DATE: 2020/07/07  
 PACKING NO: GEM200521014  
 INVOICE NO: GEM/MAP-200708 FRE  
 PART NO: M610  
 SAMPLING PLAN:  
 ASME B18.18-2017/ASTM F1470-2018  
 HEAT NO: J11907104  
 MATERIAL: ML08  
 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	0.0500	0.2000			
MAX.		0.1200	0.5000	0.0350	0.0350	0.1000
Test Value	0.0360	0.0700	0.3900	0.0120	0.0060	0.0500

**DIMENSIONAL INSPECTIONS: ACCORDING TO ISO 4032 TEST FACILITY : M**

SAMPLED BY: WUMENGJIE

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC	REJ
WIDTH ACROSS FLATS	5 PCS	JB/T 9151		23.6700-24.0000 MM	23.9600-24.0000 MM	5	0
SURFACE DISCONTINUITIES	29 PCS	IS06157			PASSED	29	0
THICKNESS	5 PCS	JB/T 9151		14.1000-14.8000 MM	14.3900-14.4600 MM	5	0
WIDTH ACROSS CORNERS	5 PCS	JB/T 9151		Min. 26.7500 MM	27.4800-27.5700 MM	5	0
THREAD	15 PCS	JB/T 9151		6H increase	PASSED	15	0

**MECHANICAL PROPERTIES: ACCORDING TO ISO898.2 TEST FACILITY : M**

SAMPLED BY: DAIWENTING

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC	REJ
CORE HARDNESS	15 PCS	IS0898.2		150-302 HV	198-213 HV	15	0
PROOF LOAD	4 PCS	IS0898.2		Min. 11,214 KGF	OK	4	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: