



**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-2025M  
 COMMODITY: ISO 4032 NUTS CL 6  
 SIZE: M20-2.50 O/T:0.40MM  
 LOT NO: 1N2020165(1A20805541)  
 SHIP QUANTITY: 3,000 PCS  
 HEADMARKS: GENIUS SYMBOL & 6  
 COUNTRY OF ORIGIN: CHINA

TEL: (0573) 84185001 (48Lines)  
 FAX: (0573) 84184488 84184567  
 DATE: 2020/08/24  
 PACKING NO: GEM200804003  
 INVOICE NO: GEM/MAP-200824MEL  
 PART NO: M643  
 SAMPLING PLAN:  
 ASME B18.18-2017/ASTM F1470-2018  
 HEAT NO: 20301641  
 MATERIAL: X1008A  
 FINISH: HOT DIP GALVANIZED PER ASTM  
 A153/ASTM F2329

**PERCENTAGE COMPOSITION OF CHEMESTRY: 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	0.0400	0.0700	0.2800	0.0130	0.0070	0.0300

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

SAMPLED BY: WUMENGJIE

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC	REJ
SURFACE DISCONTINUITIES	29 PCS	IS06157			PASSED	29	0
WIDTH ACROSS CORNERS	4 PCS	JB/T 9151		Min. 32.9500 MM	33.9100-33.9800 MM	4	0
WIDTH ACROSS FLATS	4 PCS	JB/T 9151		29.1600-30.0000 MM	29.5400-29.6300 MM	4	0
THICKNESS	4 PCS	JB/T 9151		16.9000-18.0000 MM	17.1900-17.2500 MM	4	0
THREAD	15 PCS	JB/T 9151		6H increase	PASSED	15	0

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

SAMPLED BY: TANGHAO

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC	REJ
PROOF LOAD	4 PCS	IS0898.2		Min. 18,000 KGF	OK	4	0
CORE HARDNESS	15 PCS	IS0898.2		170-302 HV	199-225 HV	15	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: