



**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-2016M
 COMMODITY: ISO 4032 NUTS CL 10
 SIZE: M12-1.75
 LOT NO: 1N2040388
 SHIP QUANTITY: 30,000 PCS
 HEADMARKS: GENIUS SYMBOL & 10
 COUNTRY OF ORIGIN: CHINA

TEL: (0573) 84185001 (48Lines)
 FAX: (0573) 84184488 84184567
 DATE: 2020/07/04
 PACKING NO: GEM200521015
 INVOICE NO: GEM/MAP-200706 MEL
 PART NO: N378
 SAMPLING PLAN:
 ASME B18.18-2017/ASTM F1470-2018
 HEAT NO: 20101478
 MATERIAL: 40ACR
 FINISH: H. T. TRIVALENT ZINC PER ASTM F1941

PERCENTAGE COMPOSITION OF CHEMISTRY: TEST FACILITY :S

Chemistry	Al%	C%	Cr%	Mn%	P%	S%	Si%
Spec.:MIN.	0.0100	0.4000	0.2000	0.6000			
MAX.		0.4400	0.4000	0.9000	0.0250	0.0250	0.1000
Test Value	0.0300	0.4300	0.2700	0.7700	0.0140	0.0050	0.0800

DIMENSIONAL INSPECTIONS: ACCORDING TO ISO 4032 TEST FACILITY : M

SAMPLED BY: ZHONGLI

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC	REJ
SURFACE DISCONTINUITIES	29 PCS	IS06157			PASSED	29	0
THICKNESS	5 PCS	JB/T 9151		10.3700-10.8000 MM	10.4800-10.5600 MM	5	0
WIDTH ACROSS FLATS	5 PCS	JB/T 9151		17.7300-18.0000 MM	17.8400-17.8900 MM	5	0
WIDTH ACROSS CORNERS	5 PCS	JB/T 9151		Min. 20.0300 MM	20.1800-20.2600 MM	5	0
THREAD	15 PCS	JB/T 9151		6H GO 6H NOGO	PASSED	15	0

MECHANICAL PROPERTIES: ACCORDING TO ISO 898.2 TEST FACILITY : M

SAMPLED BY: DAIWENTING

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC	REJ
CORE HARDNESS	15 PCS	IS0898.1		272-353 HV	299-310 HV	15	0
PROOF LOAD	5 PCS	IS0898.2		Min. 9,031 KGF	OK	5	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: