



**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-2014F
 COMMODITY: AS1252 STRUCTURAL BOLT L/T CHANGE CL 8.8
 SIZE: M30-3.50X85 B:60
 LOT NO: 1B2043081(1A20714991)
 SHIP QUANTITY: 720 PCS
 HEADMARKS: GENIUS SYMBOL & 3 RADIAL LINES & 8.8
 COUNTRY OF ORIGIN: CHINA

TEL: (0573) 84185001 (48Lines)
 FAX: (0573) 84184488 84184567
 DATE: 2020/07/31
 PACKING NO: GEM200717001
 INVOICE NO: GEM/MAP-200805FRE
 PART NO: G115
 SAMPLING PLAN:
 ASME B18.18-2017/ASTM F1470-2018
 HEAT NO: 20801625
 MATERIAL: ML40CR
 FINISH: H. T. HOT DIP GAL PER ASTM
 A153/ASTM F2329

PERCENTAGE COMPOSITION OF CHEMISTRY: TEST FACILITY :S

Chemistry	C%	Cr%	Mn%	P%	S%	Si%
Spec.:MIN.	0.3800	0.9000	0.6000			
MAX.	0.4500	1.2000	0.9000	0.0350	0.0350	0.3000
Test Value	0.4000	0.9700	0.6700	0.0140	0.0050	0.1900

DIMENSIONAL INSPECTIONS: ACCORDING TO AS1252-1983 TEST FACILITY : M

SAMPLED BY: YUQIAN

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC	REJ
MAJOR DIAMETER	3 PCS	JB/T 9151		29.5800-30.0000 MM	29.7500-29.8000 MM	3	0
BODY DIAMETER	3 PCS	JB/T 9151		29.1600-30.7400 MM	29.9100-30.0000 MM	3	0
THREAD LENGTH	13 PCS	JB/T 9151		60.0000-70.5000 MM	62.5500-62.8600 MM	13	0
NOMINAL LENGTH	13 PCS	JB/T 9151		84.3000-85.7000 MM	85.0000-85.1400 MM	13	0
HEIGHT	3 PCS	JB/T 9151		17.6500-19.7500 MM	17.9400-18.0000 MM	3	0
WIDTH ACROSS CORNERS	3 PCS	JB/T 9151		55.3700-57.7000 MM	56.6800-56.7700 MM	3	0
SURFACE DISCONTINUITIES	18 PCS	IS06157.3			PASSED	18	0
WIDTH ACROSS FLATS	3 PCS	JB/T 9151		49.0000-50.0000 MM	49.6300-49.6700 MM	3	0
THREAD	13 PCS	JB/T 9151		nut	PASSED	13	0

MECHANICAL PROPERTIES: ACCORDING TO AS1252-1996 TEST FACILITY : M

SAMPLED BY: NIESUYING

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC	REJ
WEDGE LOAD	13 PCS	IS0898.1		Min. 466,000 N	466,000-466,049 N	13	0
CORE HARDNESS	13 PCS	IS0898.1		23-34 HRC	28-31 HRC	13	0
SURFACE HARDNESS (UNLIKE CORE HARDNESS 30 HV)	13 PCS	IS0898.1			OK	13	0
PROOF LOAD	13 PCS	ASTM F606/F606M		Min. 337,000 N	337,000-337,015 N	13	0
TENSILE STRENGTH	3 PCS	IS0898.1		Min. 830 N/MM2	878-902 N/MM2	3	0
YIELD STRENGTH	13 PCS	IS0898.1		Min. 660 N/MM2	660-677 N/MM2	13	0
PLATING THICKNESS(μm)	8 PCS	ASTM B568		>=53	65.92-77.16	8	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.,)



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WE CERTIFY THE PARTS ARE ROHS COMPLIANT.

SIGNATURE: