



**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 CL 8.8
 SIZE: M30-3.50X110
 LOT NO: 1B2043060(1A20714961)
 SHIP QUANTITY: 480 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: G118
 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
NOMINAL LENGTH	11 PCS	JB/T 9151		109.3000-110.7000 MM	110.0500-110.3000 MM	11	0
MAJOR DIAMETER	3 PCS	JB/T 9151		29.5800-29.9400 MM	29.7700-29.7900 MM	3	0
SURFACE DISCONTINUITIES	15 PCS	ISO6157.3			PASSED	15	0
WIDTH ACROSS FLATS	3 PCS	JB/T 9151		49.0000-49.8500 MM	49.6200-49.6800 MM	3	0
THREAD LENGTH	11 PCS	JB/T 9151	66		68.6300-68.7000 MM	11	0
BODY DIAMETER	3 PCS	JB/T 9151		29.1600-30.0000 MM	29.9300-29.9600 MM	3	0
WIDTH ACROSS CORNERS	3 PCS	JB/T 9151		Min. 55.3700 MM	56.7000-56.7800 MM	3	0
HEIGHT	3 PCS	JB/T 9151		17.6500-18.1500 MM	17.8800-17.9600 MM	3	0
THREAD	11 PCS	JB/T 9151		nut	PASSED	11	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	11 PCS	ISO898.1		Min. 466,000 N	466,000-466,019 N	11	0
CORE HARDNESS	11 PCS	ISO898.1		23-34 HRC	27-30 HRC	11	0
SURFACE HARDNESS (UNLIKE CORE HARDNESS 30 HV)	11 PCS	ISO898.1			OK	11	0
PROOF LOAD	11 PCS	ASTM F606/F606M		Min. 337,000 N	337,010-337,043 N	11	0
TENSILE STRENGTH	3 PCS	ISO898.1		Min. 830 N/MM2	890-897 N/MM2	3	0
YIELD STRENGTH	11 PCS	ISO898.1		Min. 660 N/MM2	669-672 N/MM2	11	0
PLATING THICKNESS(μm)	5 PCS	ASTM B568		>=53	63.36-70.24	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.,)



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 CL 8.8
SIZE: M30-3.50X110
LOT NO: 1B2043060(1A20714961)
SHIP QUANTITY: 480 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: G118
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

WE CERTIFY THE PARTS ARE ROHS COMPLIANT.

SIGNATURE: