



**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-2003S

COMMODITY: ISO 4014 HEX HEAD BOLT HALF THREAD CL 8.8

SIZE: M14-2.00X120

LOT NO: 1B2020505

SHIP QUANTITY: 1,800 PCS

HEADMARKS: GENIUS SYMBOL & 8.8

COUNTRY OF ORIGIN: CHINA

TEL: (0573) 84185001 (48Lines)

FAX: (0573) 84184488 84184567

DATE: 2020/05/18

PACKING NO: GEM200426003

INVOICE NO: GEM/MAP-200518SYD

PART NO: A790

SAMPLING PLAN:
ASME B18.18-2017/ASTM F1470-2018

HEAT NO: 19310067-4

MATERIAL: 40ACR

FINISH: H. T. PLAIN

PERCENTAGE COMPOSITION OF CHEMISTRY: TEST FACILITY :S

Chemistry	C%	Cr%	Mn%	P%	S%	Si%
Spec.:MIN.	0.4000	0.2000	0.6000			
MAX.	0.4400	0.4000	0.9000	0.0250	0.0250	0.1000
Test Value	0.4200	0.2500	0.7700	0.0120	0.0030	0.0800

DIMENSIONAL INSPECTIONS: ACCORDING TO ISO4014-2011 TEST FACILITY : M

SAMPLED BY: HANFANGRONG

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC	REJ.
NOMINAL LENGTH	15 PCS	JB/T 9151		119.3000-120.7000 MM	119.6700-120.1200 MM	15	0
THREAD LENGTH	15 PCS	JB/T 9151	34		35.1200-35.4500 MM	15	0
HEIGHT	4 PCS	JB/T 9151		8.6200-8.9800 MM	8.6800-8.8700 MM	4	0
WIDTH ACROSS CORNERS	4 PCS	JB/T 9151		Min. 23.3600 MM	24.1200-24.3500 MM	4	0
WIDTH ACROSS FLATS	4 PCS	JB/T 9151		20.6700-21.0000 MM	20.7200-20.8400 MM	4	0
MAJOR DIAMETER	4 PCS	JB/T 9151		13.6900-13.9600 MM	13.7100-13.7700 MM	4	0
SURFACE DISCONTINUITIES	22 PCS	ISO6157.3			PASSED	22	0
BODY DIAMETER	4 PCS	JB/T 9151		13.7300-14.0000 MM	13.7600-13.8200 MM	4	0
THREAD	4 PCS	JB/T 9151		6g GO 6g NOGO	PASSED	4	0

MECHANICAL PROPERTIES: ACCORDING TO ISO 898.1-2013 TEST FACILITY : M

SAMPLED BY: TANGHAO

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC	REJ.
TENSILE STRENGTH	4 PCS	ISO898.1		Min. 800 N/MM2	895-903 N/MM2	4	0
CORE HARDNESS	15 PCS	ISO898.1		22-32 HRC	28-30 HRC	15	0
SURFACE HARDNESS	15 PCS	ASTM E384		Max. 350 HV	275-295 HV	15	0

ALL TESTS ARE IN ACCORDANCE WITH THE METHODS PRESCRIBED IN THE APPLICABLE ASTM/SAE/ASME/MIL-STD-120.

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.



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