



**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-2002M  
 COMMODITY: ISO 4014 HEX HEAD BOLT HALF THREAD CL 10.9  
 SIZE: M30-3.50X240  
 LOT NO: 1B2010924  
 SHIP QUANTITY: 300 PCS  
 HEADMARKS: GENIUS SYMBOL & 10.9  
 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: A1898  
 SAMPLING PLAN:  
 ASME B18.18-2017/ASTM F1470-2018  
 HEAT NO: 18607438-3  
 MATERIAL: SCM440  
 FINISH: H. T. PLAIN

PERCENTAGE COMPOSITION OF CHEMISTRY: TEST FACILITY :S

Chemistry	Mn%	Mo%	P%	S%	Si%	C%	Cr%
Spec.:MIN.	0.6000	0.1500			0.1500	0.3800	0.9000
MAX.	0.8500	0.3000	0.0300	0.0300	0.3500	0.4300	1.2000
Test Value	0.6600	0.1900	0.0120	0.0030	0.1800	0.4000	0.9600

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

SAMPLED BY: ZHANGHONGYUN

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC	REJ
THREAD LENGTH	9 PCS	JB/T 9151	85		92.6100-92.8500 MM	9	0
BODY DIAMETER	3 PCS	JB/T 9151		29.4800-30.0000 MM	29.8600-29.8800 MM	3	0
HEIGHT	3 PCS	JB/T 9151		18.2800-19.1200 MM	18.8300-18.8500 MM	3	0
MAJOR DIAMETER	3 PCS	JB/T 9151		29.5300-29.9400 MM	29.8600-29.8800 MM	3	0
WIDTH ACROSS FLATS	3 PCS	JB/T 9151		45.0000-46.0000 MM	45.5200-45.5500 MM	3	0
SURFACE DISCONTINUITIES	11 PCS	IS06157.3			PASSED	11	0
NOMINAL LENGTH	9 PCS	JB/T 9151		239.0000-241.0000 MM	240.0300-240.2100 MM	9	0
WIDTH ACROSS CORNERS	3 PCS	JB/T 9151		Min. 50.8500 MM	52.2100-52.2400 MM	3	0
THREAD	3 PCS	JB/T 9151		6g GO 6g NOGO	PASSED	3	0

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

SAMPLED BY: SHACONGBIAO

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC	REJ
CORE HARDNESS	9 PCS	IS0898.1		32-39 HRC	35-36 HRC	9	0
SURFACE HARDNESS	9 PCS	ASTM E384		Max. 390 HV	353-364 HV	9	0
TENSILE STRENGTH	3 PCS	IS0898.1		Min. 1,040 N/MM2	1,135-1,137 N/MM2	3	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: