



**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 4014 HEX HEAD BOLT HALF THREAD CL 10.9  
 SIZE: M10-1.50X70  
 LOT NO: 1B2043139  
 SHIP QUANTITY: 7,000 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: A308  
 SAMPLING PLAN:  
 ASME B18.18-2017/ASTM F1470-2018  
 HEAT NO: B376144A  
 MATERIAL: SCM435  
 FINISH: H. T. PLAIN

PERCENTAGE COMPOSITION OF CHEMISTRY: TEST FACILITY :S

Chemistry	C%	Cr%	Mn%	Mo%	Ni%	P%	S%	Si%
Spec.:MIN.	0.3300	0.9000	0.6000	0.1500				0.1500
MAX.	0.3800	1.2000	0.8500	0.3000	0.2500	0.0250	0.0250	0.3500
Test Value	0.3600	0.9900	0.6400	0.1700	0.0300	0.0070	0.0020	0.2200

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

SAMPLED BY: ZHANGHONGYUN

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC	REJ
MAJOR DIAMETER	4 PCS	JB/T 9151		9.7400-9.9600 MM	9.8200-9.8600 MM	4	0
HEIGHT	4 PCS	JB/T 9151		6.2200-6.5800 MM	6.3200-6.3600 MM	4	0
WIDTH ACROSS CORNERS	4 PCS	JB/T 9151		Min. 17.7700 MM	18.1200-18.1600 MM	4	0
BODY DIAMETER	4 PCS	JB/T 9151		9.7800-10.0000 MM	9.8200-9.8600 MM	4	0
WIDTH ACROSS FLATS	4 PCS	JB/T 9151		15.7300-16.0000 MM	15.8300-15.8600 MM	4	0
SURFACE DISCONTINUITIES	29 PCS	IS06157.3			PASSED	29	0
THREAD LENGTH	15 PCS	JB/T 9151	26		28.8800-28.9200 MM	15	0
NOMINAL LENGTH	15 PCS	JB/T 9151		69.4000-70.6000 MM	70.2200-70.2800 MM	15	0
THREAD	15 PCS	JB/T 9151		6g GO 6g NOGO	PASSED	15	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
TENSILE STRENGTH	4 PCS	IS0898.1		Min. 1,040 N/MM2	1,099-1,100 N/MM2	4	0
CORE HARDNESS	15 PCS	IS0898.1		32-39 HRC	35-36 HRC	15	0
SURFACE HARDNESS	15 PCS	ASTM E384		Max. 390 HV	353-361 HV	15	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: