



**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-1946S

COMMODITY: ISO 4017 HEX HEAD BOLT FULL THREAD CL 8.8

SIZE: M30-3.50X150

LOT NO: 1B19B0857

SHIP QUANTITY: 360 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: A2307

SAMPLING PLAN:

ASME B18.18-2017/ASTM F1470-2018

HEAT NO: 19808534

MATERIAL: ML40CR

FINISH: H. T. TRIVALENT ZINC PER ASTM F1941

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	0.7300	0.0120	0.0030	0.1900

DIMENSIONAL INSPECTIONS: ACCORDING TO ISO4017-2014

TEST FACILITY : M

SAMPLED BY: HANFANGRONG

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC	REJ.
SURFACE DISCONTINUITIES	15 PCS	IS06157.3			PASSED	15	0
HEIGHT	3 PCS	JB/T 9151		18.2800-19.1200 MM	18.6700-18.8700 MM	3	0
MAJOR DIAMETER	3 PCS	JB/T 9151		29.5300-29.9400 MM	29.5600-29.6600 MM	3	0
WIDTH ACROSS FLATS	3 PCS	JB/T 9151		45.0000-46.0000 MM	45.5100-45.6700 MM	3	0
WIDTH ACROSS CORNERS	3 PCS	JB/T 9151		Min. 50.8500 MM	53.4500-53.7800 MM	3	0
NOMINAL LENGTH	11 PCS	JB/T 9151		149.2000-150.8000 MM	149.7600-150.2100 MM	11	0
THREAD	11 PCS	JB/T 9151		6h GO 6h NOGO	PASSED	11	0

MECHANICAL PROPERTIES: ACCORDING TO ISO 898.1-2013

TEST FACILITY : M

SAMPLED BY: NIESUYING

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC	REJ.
SURFACE HARDNESS	11 PCS	ASTM E384		Max. 365 HV	300-326 HV	11	0
CORE HARDNESS	11 PCS	IS0898.1		23-34 HRC	30-32 HRC	11	0
TENSILE STRENGTH	3 PCS	IS0898.1		Min. 830 N/MM2	910-929 N/MM2	3	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.

SIGNATURE: