



GEM-YEAR TESTING LABORATORY

CERTIFICATE OF INSPECTION

MANUFACTURER : GEM-YEAR INDUSTRIAL CO., LTD.
ADDRESS : NO.8 GEM-YEAR
ROAD,E.D.Z.,JIASHAN,ZHEJIANG,P.R.CHINA

Tel: (0573)84185001(48Lines)
Fax: (0573)84184488 84184567
DATE : 2020/03/10

PURCHASER : MAPTCO FASTENERS (AUST) PTY LTD
PO. NUMBER : MAP-1941M
COMMODITY : DIN 960 HEX HD BOLT CL 8.8
SIZE : M18-P1.50X100 NS
LOT NO : 1B19A1122
SHIP QUANTITY : 2,400 PCS
HEADMARKS : GENIUS SYMBOL & 8.8
COUNTRY OF ORIGIN : CHINA

PACKING NO : GEM200103002
INVOICE NO : GEM/MAP-200317MEL
PART NO : B415
SAMPLING PLAN :
ASME B18.18-2017/ASTM F1470-2018
HEAT NO : 18206538-4
MATERIAL : 40ACR
FINISH : H. T. TRIVALENT ZINC PER ASTM
F1941

PERCENTAGE COMPOSITION OF CHEMISTRY : TEST FACILITY :S

Chemistry	C%	Cr%	Mn%	P%	S%	Si%
Spec. : MIN.	0.4000	0.2000	0.6000			
MAX.	0.4400	0.4000	0.9000	0.0250	0.0250	0.1000
Test Value	0.4100	0.2600	0.7500	0.0120	0.0020	0.0500

DIMENSIONAL INSPECTIONS :ACCORDING TO DIN960 TEST FACILITY: M

SAMPLED BY : CLYAN

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC.	REJ.
THREAD LENGTH	13 PCS	JB/T 9151	42		50.2700-50.3400 MM	13	0
MAJOR DIAMETER	3 PCS	JB/T 9151		17.7400-17.9600 MM	17.7900-17.8200 MM	3	0
BODY DIAMETER	3 PCS	JB/T 9151		17.7300-18.0000 MM	17.8200-17.9000 MM	3	0
WIDTH ACROSS CORNERS	3 PCS	JB/T 9151		Min. 30.1400 MM	30.5700-30.6000 MM	3	0
HEIGHT	3 PCS	JB/T 9151		11.2900-11.7100 MM	11.5000-11.5700 MM	3	0
NOMINAL LENGTH	13 PCS	JB/T 9151		99.3000-100.7000 MM	99.5200-100.1000 MM	13	0
WIDTH ACROSS FLATS	3 PCS	JB/T 9151		26.6700-27.0000 MM	26.7200-26.7800 MM	3	0
SURFACE DISCONTINUITIES	18 PCS	ISO6157.3			PASSED	18	0
THREAD	13 PCS	JB/T 9151		6h GO 6h NOGO	PASSED	13	0

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

SAMPLED BY : DWTING

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC.	REJ.
CORE HARDNESS	13 PCS	ISO898.1		23-34 HRC	26.8-29 HRC	13	0
SURFACE HARDNESS	13 PCS	ASTM E384			267-280 HV	13	0
TENSILE STRENGTH	3 PCS	ISO898.1		Min. 830 N/MM2	905-910 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.



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