

CERTIFICATE OF INSPECTION

PO. NUMBER: SSI-2029

COMMODITY: ISO 4017 HEX HEAD BOLT FULL THREAD CL 8.8

SIZE: M16-2.00x45

LOT NO: 1B2072249

SHIP QUANTITY: 18,000 PCS

HEADMARKS: GENIUS SYMBOL & 8.8

INVOICE NO: 7TMW/SSI-200927MA

PART NO:

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

HEAT NO: 20104227

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	0.2700	0.7700	0.0140	0.0060	0.0700

DIMENSIONAL INSPECTIONS: ACCORDING TO ISO4017-2014

TEST FACILITY: M

SAMPLED BY: ZHANGHONGYUN

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC	REJ
WIDTH ACROSS FLATS	4 PCS	JB/T 9151		23.6700-24.0000 MM	23.8600-23.8800 MM	4	0
NOMINAL LENGTH	15 PCS	JB/T 9151		44.5000-45.5000 MM	45.0300-45.2100 MM	15	0
MAJOR DIAMETER	4 PCS	JB/T 9151		15.6900-15.9600 MM	15.8600-15.8800 MM	4	0
WIDTH ACROSS CORNERS	4 PCS	JB/T 9151		Min. 26.7500 MM	26.9200-26.9500 MM	4	0
HEIGHT	4 PCS	JB/T 9151		9.8200-10.1800 MM	10.0200-10.0400 MM	4	0
SURFACE DISCONTINUITIES	29 PCS	ISO6157.3			PASSED	29	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: NIESUYING

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC	REJ
TENSILE STRENGTH	4 PCS	ISO898.1		Min. 800 N/MM2	887-895 N/MM2	4	0
CORE HARDNESS	15 PCS	ISO898.1		22-32 HRC	26-28 HRC	15	0
SURFACE HARDNESS	15 PCS	ASTM E384		Max. 350 HV	292-297 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: