

**CERTIFICATE OF INSPECTION**

**PURCHASER:** 7TMW INC

**PACKING NO:** 210511005

**PO NUMBER:** SSI-2109

**INVOICE NO:** SSI-210524M-1

**COMMODITY:** HEX CAP SCREW FULL THREAD GR-5

**PART NO:**

**SIZE:** 5/8-11x6 NC

**SAMPLING PLAN:**

**LOT NO:** 182130882

**ASME B18.18-2017/ASTM F1470-2018**

**SHIP QUANTITY:** 5,325 PCS

**HEAT NO:** 21301333

**HEADMARKS:** CYL & 3 RADIAL LINES

**MATERIAL:** 40ACR

**COUNTRY OF ORIGIN:** CHINA

**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	0.4100	0.4000	0.9000	0.0250	0.0250	0.1000
Test Value:	0.4100	0.2800	0.7900	0.0110	0.0060	0.0600

**DIMENSIONAL INSPECTIONS:** ACCORDING TO ASME B18.2.1-2012

TEST FACILITY: M

SAMPLED BY: LIODINGQIANG

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC	REJ
MAJOR DIAMETER	4 PCS	JIS B1071		15.5300-15.8300 MM	15.7300-15.7600 MM	4	0
WIDTH ACROSS FLATS	4 PCS	JIS B1071		23.4200-23.8200 MM	23.4800-23.6400 MM	4	0
WIDTH ACROSS CORNERS	4 PCS	JIS B1071		26.7000-27.5000 MM	26.9700-27.0700 MM	4	0
HEIGHT	4 PCS	JIS B1071		9.6100-10.2300 MM	9.8300-9.8700 MM	4	0
NOMINAL LENGTH	15 PCS	JIS B1071		149.8600-152.4000 MM	149.8700-150.3100 MM	15	0
SURFACE DISCONTINUITIES	22 PCS	ASTM F788/F789M			PASSED	22	0
THREAD	15 PCS	JIS B1071		2A GO 2A NOGO	PASSED	15	0

**MECHANICAL PROPERTIES:** ACCORDING TO SAE J 429-2014

TEST FACILITY: M

SAMPLED BY: JINSHENGXIA

INSPECTIONS ITEM	SAMPLE	TEST METHOD	REF	SPECIFIED	ACTUAL RESULT	ACC	REJ
SURFACE HARDNESS	4 PCS	ASTM F606/F606M		Min 54 HR30N	45.7-48.4 HR30N	4	0
TENSILE STRENGTH	3 PCS	ASTM F606/F606M		Min 120 KSI	136-137 KSI	3	0
CORE HARDNESS	4 PCS	ASTM F606/F606M		25-34 HRC	30.4-32 HRC	4	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: