

CERTIFICATE OF INSPECTION

ACCREDITED  
NO:1292-01  
VALIDITY: MAY 31, 2025  
MECHANICAL TESTING

PURCHASER: 7TMW INC.

PO NUMBER: SSI-070720

COMMODITY: DIN 931 HALF THREAD CL 10.9

SIZE: M30-P3.50X90

LOT NO: B07080437

SHIP QUANTITY: 1,080 PCS

HEADMARKS: GENIUS SYMBOL & 10.9

PACKING NO: 071016014

INVOICE NO: SSI-071027 MA

PART NO:

SAMPLING PLAN: ANSI/ASME B18.18.2M

HEAT NO: 330706205

MATERIAL: 40CR

FINISH: H.T. PLAIN

PERCENTAGE COMPOSITION OF CHEMISTRY:

Chemistry	C%	Cr%	Mn%	P%	S%	Si%
Spec. MIN:	0.3700	0.8000	0.5000			0.1700
MAX:	0.4400	1.1000	0.8000	0.0350	0.0350	0.3700
Test Value	0.3900	0.9600	0.7700	0.0080	0.0050	0.2300

DIMENSIONAL INSPECTIONS: ACCORDING TO ISO4014

TEST DATE: 2023/09/10 SAMPLED BY: RENMINGLI SAMPLING DATE: 2023/09/10

INSPECTIONS ITEM	SAMPLE SIZE	TEST METHOD	SPECIFIED	ACTUAL RESULT	ACC.	REJ.
SURFACE DISCONTINUITA	50			PASSED		
THREAD LENGTH	16	MIL-STD-120	Min. 66.000 MM	77.110-77.150 MM	16	0
MAJOR DIAMETER	16	MIL-STD-120	29.520-29.950 MM	29.860-29.890 MM	16	0
BODY DIAMETER	16	MIL-STD-120	29.480-30.000 MM	29.870-29.900 MM	16	0
WIDTH ACROSS CORNERS	16	MIL-STD-120	Min. 50.850 MM	52.310-52.360 MM	16	0
THREAD HEIGHT	16	MIL-STD-120	18.280-19.120 MM	18.780-18.880 MM	16	0
NOMINAL LENGTH	16	MIL-STD-120	89.300-90.700 MM	89.770-89.820 MM	16	0
WIDTH ACROSS FLATS	16	MIL-STD-120	45.000-46.000 MM	45.570-45.620 MM	16	0

MECHANICAL PROPERTIES: ACCORDING TO ISO 898.1

TEST DATE: 2023/09/10 SAMPLED BY: DANGMENG M SAMPLING DATE: 2023/09/10

INSPECTIONS ITEM	SAMPLE SIZE	TEST METHOD	SPECIFIED	ACTUAL RESULT	ACC.	REJ.
CORE HARDNESS	6	ASTM E18	32-39 HRC	33-36 HRC	6	0
SURFACE HARDNESS	6	ASTM E18	Max. 390 HV	346-356 HV	6	0
TENSILE STRENGTH	3	ASTM F606/F606M	Min. 1,040 N/MM2	1,086-1,108 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.

SIGNATURE: 