



PURCHASER:
 PO NUMBER: SSI-070306
 COMMODITY: DIN 931 HALF THREAD CL 10.9
 SIZE: M20-P2.50X130
 LOT NO.: B07033133
 SHIP QUANTITY: 2.520 PCS
 HEADMARKS: GENIUS SYMBOL & 10.9

PACKING NO: GEM070815003
 INVOICE NO: GEM/SSI-070825 MA
 PART NO:
 SAMPLING PLAN: ANSI/ASME B18.18.2M
 HEAT NO: 656-3722
 MATERIAL: SCM435
 FINISH: H.T. PLAIN

PERCENTAGE COMPOSITION OF CHEMISTRY:

Chemistry	C%	Cr%	Mn%	Mo%	P%	S%	Si%
Spec. MIN:	0.3300	0.9000	0.6000	0.1500		0.0300	0.1500
MAX:	0.3800	1.2000	0.8500	0.3000	0.0300	0.0300	0.3500
Test Value	0.3400	1.0200	0.6400	0.1600	0.0110	0.0040	0.2100

DIMENSIONAL INSPECTIONS: ACCORDING TO ISO4014

TEST DATE: 2007/06/20

SAMPLED BY: SHENHUAZ

SAMPLING DATE: 2007/06/20

INSPECTIONS ITEM	SAMPLE SIZE	TEST METHOD	SPECIFIED	ACTUAL RESULT	ACC.	REJ.
SURFACE DISCONTINUITI	50			PASSED		
THREAD LENGTH	16	MIL-STD-120	Min. 54.500 MM	59.680- 59.700 MM	16	0
MAJOR DIAMETER	16	MIL-STD-120	19.620- 19.950 MM	19.700- 19.710 MM	16	0
BODY DIAMETER	16	MIL-STD-120	19.670- 20.000 MM	19.800- 19.820 MM	16	0
WIDTH ACROSS COMERS	16	MIL-STD-120	Min. 33.530 MM	34.140- 34.190 MM	16	0
THREAD HEIGHT	16	MIL-STD-120	6g	PASSED		
NOMINAL LENGTH	16	MIL-STD-120	129.290- 127.710 MM	12.470- 12.540 MM	16	0
WIDTH ACROSS FLATS	16	MIL-STD-120	129.200- 130.800 MM	129.750- 129.840 MM	16	0
			29.670- 30.000 MM	29.780- 29.800 MM	16	0

MECHANICAL PROPERTIES: ACCORDING TO ISO 898.1

TEST DATE: 2007/06/28

SAMPLED BY: WANGSHAS

SAMPLING DATE: 2007/06/28

INSPECTIONS ITEM	SAMPLE SIZE	TEST METHOD	SPECIFIED	ACTUAL RESULT	ACC.	REJ.
CORE HARDNESS	6	ASTM E18	32-39 HRC	34-36 HRC	6	0
SURFACE HARDNESS	6	ASTM E18	Max. 390 HV	50-351 HV	6	0
TENSILE STRENGTH	3	ASTM F606/F606M	Min. 1,040 N/MM2	1,076-1,086 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.

Jim

SIGNATURE: