



# NEW TECH FASTENERS

C70, 5Th Cross, Devasandra Industrial Estate, Mahadevpura Post, Bangalore, India-560048

ISO 9001-2015&WQAD2000 PED2014-68/EU-CERTIFIED COMPANY

INSPECTION CERTIFICATE (CERTIFICATION TO EN 10204 -3.1)

CUSTOMER: JC VALVULAS INDIA PVT LTD			REPORT NO: 71467	Date: 14/11/2019
PO NO.:	INVOICE NO.:	INVOICE DATE:	ITEM DESCRIPTION:	QTY.:
JCCMP-1920002115	2373 /19-20	12/11/2019	X05-068-1333-202_FTS_1 1/2X8UNC200_B7M_ZINC PLATED	100

Material Specification : AS PER ASTM A193/A193M-2017      Quality Plan:

Chemical Properties : B7M, RMR No - 4352

Constituents	C%	Mn%	Si%	P%	S%	Cr%	Mo%	
SPECIFICATION (Material Composition % by Wt)	Min.	0.380	0.750	0.150	---	---	0.800	0.150
	Max.	0.480	1.000	0.350	0.035	0.040	1.100	0.250
Achieved Values	0.410	0.780	0.220	0.017	0.022	1.050	0.210	

OBSERVATION: The Sample was macro etched and observed plate II AS PER ASTM-E-381.  
Inclusion rating is as per ASTM E 45A, thin thick Series ≤ 2.00.

REMARKS : The Sample was free from flute, crack, seams, butt tears, splash and gassy appearances.

Thread Fit: 1 1/2"X8UNC-2A

Heat Treatment : B7M, Batch No - 3419

Constituents	Hardening Temp °C	Tempering Temp °C	Hardness HRC
SPECIFICATION	Min.	---	620
	Max.	---	22
Achieved Value	830	680	17-21


Mechanical Properties: B7M, Ref No - TS-95-10-3419

Constituents	Tensile Strength (N/mm <sup>2</sup> /Mpa)	Yield Strength min, 0.2 % offset, (N/mm <sup>2</sup> /Mpa)	Elongation % in 4 D	Reduction of Area %
Specified Values(min)	690.000	550.000	18.000	50.000
Achieved Value	823.215	722.130	27.620	68.320

IDENTIFICATION:- PUNCHED AS N-B7M      Traceability code:

REMARKS:- This material confirms to ANSI / NACE MR 0175/ISO15156-2015 &ANSI/NACE-MR0103/ISO17945-2015standard. -Above fasteners 100% hardness checked and found within the limits.

NOTE:- We confirm that materials were manufactured, sampled, tested, and inspected in accordance with standards/drawings, and material specifications and is found meeting the requirements.	Surface Finish	As Per ASTM-B633 (SC3-TYPE 2) Zinc Chromate with trivalent Blue, Done On Fasteners.
	Specified Value(Min)	12μ
	Achieved Value	15-23μ
	Result	Found Satisfactory

K SUNIL KUMAR Work Inspector       R.V.BASAVARAJ Work Supervisor 