



# Kartik Heat Treat

## All Types of Heat Treatment Process

T-Block, S-35, Near MIDC Post Office, MIDC, Bhosari, Pune - 411 026. ☎: 020-65108126

### METALLURGICAL TEST CERTIFICATE (HEAT TREATMENT)

REPORT NO. 3518

Date: 4/2/2012

NAME OF THE CUSTOMER: MH. Advantech Engg. Comp. P. Hd.

Our Challan Cum Invoice No.: 1A08 Date: 4/2/2012

#### SPECIFICATION :- (REFERENCE TO YOUR DRAWING / CHALLAN)

Your D.C. No. / Date: 55/1/2/12 Material: EN47

Part Name: 3/8" sqdr. 3/8" Hex bit Process: HT

Part No.: - Surface Hardness: 46 to 48 HRC

Quantity: 67 NOS Case Depth: -

Core Hardness: -

#### OBSERVATIONS:

Charge No. / Date: - Process: HT

Processed Qty. (Nos. / Weight): 67 NOS

Case Depth :- By Microscopic :- - By Traverse :- -

SURFACE HARDNESS : 46 to 48 HRC

SAMPLE QUANTITY 5 NOS

Sample No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
HRA															
HRC	47	48	47	47	48	_____									
BHN															

Core Hardness: -

Microstructure: -

Remark :- Accepted / Rejected

Checked By: [Signature]



Approved by: \_\_\_\_\_



# SHREE GANESH ENGINEERING

\* NITRIDING \* SURFACE MODIFICATION \* HEAT TREATMENT OF METALS \*

W- 154, M.I.D.C., Bhosari, Pune - 411 026. Ph. : 020 - 27128393, 27123064 Fax : 020 - 27110756

## QUALITY ASSURANCE CERTIFICATE

Customer: M/s. Advantech Engg. com. p.l  
Address : F-13. Shivkrupa industrial  
Plo-No- 89. Sec-No-10. PCNTDA  
Bhosari - Pune: 026

Q.A.C. No.: 918  
Date : 01.03.2012

Vendor Code :

P. O. No. - Date : -

Sup. D.C. No.: 53

Date: 31.01.2012

Qty : 326 Nos. Wt.: 298 Kg.

Component : socket

Material : EN-47

Part No. : -

Drg. No. : -

Process : HBT

Heat No. : -

Hardness Hv 0.2 / HRC	Specified	Surface : 40-42 HRC	Core : -
	Observed	Surface : 40-41 HRC	Core : -

Hardness Traverse	mm										
	Hv 0.01										

Casedepth	Specified : -	Observed : -
-----------	---------------	--------------

Micro Structure analysis :	Neutral salt spray test : (As per ASTM 117B)
----------------------------	---

Remarks : satisfactory

Prepared By  (Supervisor)	Witnessed By	Approved By For (Metallurgist)
---------------------------------	--------------	--------------------------------------