

WORKS E-339A, PHASE IVA, FOCAL POINT LUDHIANA-141010

INSPECTION CERTIFICATE DIN 50049 / EN 10204 - 3.1

Certificate No.:	44
Customer:	
Order number:	
Invoice No:	
Invoice Date:	27.07.2018
Product description:	HEX SCREW
Size:	M 16 X 60
Surface Finish:	HDG
Quantity:	

Quantity: 1. CHEMICAL ANALYSIS AS PER ISO 898 PART -1 GR 8.8

1. CHEMICAL ANALYSIS AS PER ISO 898 PART -1 GR 8.8						
	C%	Mn%	Si%	P%	S%	B%
Standard Value (mIn)	0.25	-	-	-	-	-
max	0.55	-	-	0.035	0.035	-
Test Value min	0.42	0.58	0.21	0.022	0.018	-

2. MECHANICAL PROPERTIES AS PER ISO 898 PART -1 GR- 8.8

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Test Item	Tensile Strength (min. Mpa)	Yield Stress at 0,2% non proportional elongation (min. Mpa)	Elongation (min. %)	Proof load (kN)	Hardness (HRC)	wedge load (min. kn)
Standard Value	800	640.00	12.00	91.00	22-32	
Test value	865-871	648-655	12.38-12.55	satisfactory	27-30	

3. DIMENSIONAL REPORT AS PER ISO 4017.

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Test Item		Width across flats (s)	Width across corner (e)	Head height (k)	Nominal length (l)	Thread Length (b)
						FULL THREAD
Standard Value	Min.	23.67	26.75	9.82	59.40	-
	Max.	24.00	-	10.18	60.60	-
Test Value	Min.	23.71	26.98	9.92	59.78	-
	Max.	23.92	27.1	10.08	60.25	-

4. SURFACE FINISH HDG.

Test Item	Surface visual	COATING THICKNESS
Standard Value	OK	43 MICRONS MIN.
Test Value	OK	65-75

Checked By Amarjeet Singh