

SHREE AMBEY METAL INDUSTRIES LIMITED

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

AN RDSO APPROVED COMPANY

INSPECTION CERTIFICATE DIN 50049 / EN 10204 - 3.1

Certificate No.: **233-21** Standard Reference: **IS 1364 PT-2**
Date of testing: **15-12-2021** Chemical and Mechanical Property: **ISO 898 -1**
Customer: Invoice No.:
Product description: **HEX SCREW** Invoice Date:
Size: **M24X100** Head Mark: **WRKK 8.8**
Quantity: **2633 PCS.**
Surface Finish: **HDG**
Sample Quantity: **08 NOS**

1. CHEMICAL ANALYSIS (%)

	C	Mn	Si	P	S	B	
Standard Value	0.20 - 0.55	N.A	N.A	0.025 Max	0.025 Max	0.003 Max	
Test Value	0.29	1.05	0.19	0.008	0.003	0.0018	

2. MECHANICAL PROPERTIES

Test Item	Tensile Strength (min. KN)	Yield Stress at 0,2% non proportional elongation (min. MPa)	Elongation % (min.)	Proof load (min. kN)	Reduction Area % (min.)	Impact Strength at - 20° C (Min. J)	Hardness (HRC)
Standard Value	293	NA	NA	212	NA	27	23 - 34
Test value	325 - 339	NA	NA	OK	NA	32 - 35	30 - 33

3. DIMENSIONAL ANALYSIS (mm)

Test Item		Width Across Flats (s)	Width Across Corners (e)	Head Thickness (k)	Nominal Length		
Standard Value	Min.	35.38	39.98	14.78	99.30		
	Max.	36.00	-	15.21	100.70		
Test Value		35.42 - 35.55	40.80 - 41.12	14.85 - 15.08	100.42		

4. SURFACE FINISH

Test Item		Coating Thickness					
Standard Value		54 Microns Min.					
Test Value		74					

5. GAUGING

Test Item	With nut						
Standard Value	Fitment ok						
Test Value	Fitment ok						

