



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.: 0440-22
Date of testing: 31-03-2023
Customer:
Product description: SHEAR STUD
Size: M19X150
Quantity: 4120 Nos.
Surface Finish: SELF
Sample Quantity: 13 Nos.

Standard Reference: ISO 13918
Chemical and Mechanical Property: ISO 13918
Invoice No.:
Invoice Date:
Grade : MS

1. CHEMICAL ANALYSIS (%)

	C	Al	CEV
Standard Value	0.20 MAX.	0.020 MIN.	0.38 MAX.
Test Value	0.18	0.022	0.32

2. MECHANICAL PROPERTIES

Test Item	Tensile Strength (min. N/mm ²)	Yield Strength (min. N/mm ²)	Elongation % (min.)	BEND TEST
Standard Value	450	350	15	30° NO CRACK
Test value	512	408	20	NO CRACK

3. DIMENSIONAL ANALYSIS (mm)

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Test Item		Head Dia (d5)	Shank Dia (d1)	Head Thickness (h3)	Total Length (L1)		
Standard Value	Min.	31.70	18.60	9.50	148.50		
	Max.	32.30	19.40	11.00	151.50		
Test Value		31.75 - 32.30	18.78 - 19.15	9.70 - 10.45	150.30 - 151.40		

4. SURFACE FINISH

Test Item	Surface visual
Standard Value	NO DENT, BURR
Test Value	OK

