

Test Certificate		Report No.	: 2302999-2
		Rev.	: 0
		Date Reported	: 17-01-2025
Client Name	: TRP Machine & Tools	 Milind Kadam Supervisor, Mechanical Testing Signed for and behalf of Metallurgical Services Pvt. Ltd. ("Element") All works and services carried out by Metallurgical Services Pvt. Ltd. ("Element") are subject to, and conducted in accordance with, the standard terms and condition of Metallurgical Services Pvt. Ltd. ("Element") which are available at https://www.element.com/terms/terms-and-conditions or upon request. This document may not be reproduced other than in full, except with the prior written approval of the issuing laboratory. These results pertain only to the item(s) tested as sampled by the client unless otherwise indicated. The analytical findings reflects the quality of the sample at the time of testing.	
Client Address	: Shop 3, Sandstone Building Kanakiya Road, Mira Road Mumbai – 401107		
Job No.	: 2302999		
Client Job Ref.	: 16-01-2025		
Date Received	: 16-01-2025		

Specification	:	IS 1786:2008 (Ra 2018) Grade FE 500	
Other Details	:	Testing as per : IS 16172 : 2023	
Sample No	Sample Description		
2302999-S2	Sample: Rebar Coupler, Size: 20mm Dia, Coupler Material Grade: EN8D, TMT Material Grade : FE 500		
Joint Tensile-Coupled rebar IS 1608:2005 (RA 2017) Date tested :16-01-2025 to 16-01-2025			
	Result		Reqd.
Gauge Dia mm.	20.00		
Area mm ²	314.16		
Gauge Length mm 8D	200.00		
Final Length mm	218.80		
Ultimate Load kN	189.60		
U.T.S N/mm ² (MPa)	604		600 min.
Elongation %	9.40		3.00 min.
Fracture	TMT Bar		
Distance of Fracture from center of the coupler	215.30		
Remark	Satisfactory		

Test Witnessed By Mr. Yash Pandit of TRP Machine & Tools on dated 16-01-2025 Comments :

-----End of Report-----