

Test Certificate		Report No. : 2302999-1 Rev. : 0 Date Reported : 17-01-2025
Client Name : TRP Machine & Tools Client Address : Shop 3, Sandstone Building Kanakiya Road, Mira Road Mumbai – 401107 Job No. : 2302999 Client Job Ref. : Dated 16-01-2025 Date Received : 16-01-2025	 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.	

Specification : IS 1786:2008 (Ra 2018) Grade FE 500		
Other Details : Testing as per : IS 16172 : 2023		
Sample No	Sample Description	
2302999-S1	Sample: Rebar Coupler, Size: 16mm 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.	16.00	
Area mm ²	201.06	
Gauge Length mm 8D	160.00	
Final Length mm	166.00	
Ultimate Load kN	138.60	
U.T.S N/mm ² (MPa)	689.35	600 min.
Elongation %	3.75	3.00 min.
Fracture	TMT Bar	
Distance of Fracture from center of the coupler	193.00	
Remark	Satisfactory	

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

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