



# RESEARCH & DEVELOPMENT CENTRE FOR BICYCLE & SEWING MACHINE

(UNDP-UNIDO Assisted Punjab Govt. Project)

B-38-39, PHASE-V, FOCAL POINT, LUDHIANA-141010. (INDIA)

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## Labs & Testing Section

### TEST CERTIFICATE

Date : 19/11/2025

Name of Customer : M/S ASIAN CAST & FORGINGS PVT.LTD.

Sample Receipt Date : 17/11/2025

Address : LUDHIANA

Date of Testing : 19/11/2025

Work Order No. : 25NV-84/25NOV-32NN

Ref. Document / Test Method : BS EN74-1:2005

Lab Section : MECHANICAL TEST LAB

Sample/Test Detail : SWIVEL COUPLER

#### FAILURE TEST FOR SWIVEL COUPLER ( DROP FORGED ), CLASS-A

<u>TEST DESCRIPTION</u>	<u>SPECIFIED VALUE</u>	<u>OBSERVED VALUE</u>
TIGHTENING TORQUE	50Nm(Min.)	50Nm
INITIAL FORCE	1.0KN in 15 sec.and hold for 1Min. (-0+15sec.)	1.0KN
RETIGHTENING TORQUE	50Nm(Min.)after releasing the force	50Nm
FORCE APPLIED FOR FAILURE TEST	14.0KN in 90 sec.and hold it for 1Min. (-0+15sec.) SHOULD BE SATISFACTORY	14.0 KN SATISFACTORY

REMARKS:- TEST CONDUCTED AT 25°C TEMPERATURE.  
TEST M/C=600KN

ANALYSED BY  
*Sandeep*  
19/11/25

REVIEWED BY  
*Ping*  
19/11/25  
AUTHORISED SIGNATORY

LTF05

This certificate is issued for the submitted samples only.  
Laboratory is responsible for the technical content of the test certificate.  
Submitted samples have been tested as per reference documents.  
Full or part of this certificate can't be reproduced or presented in the court of law without the written permission of this office.  
Submitted Samples are retained with this lab for maximum 90 days only from the issue date of test certificate.  
All disputes are subject to Ludhiana Jurisdiction only.