

Test Report No.: **01 220 CHN/T-2403442-2**

Page 1 of 3

# Test Report

**Client:** ANHUI HAODING METAL PRODUCT LIMITED COMPANY

**Client address:** NO.32, GAOXIN ROAD, CHAHE ECONOMIC DEVELOPMENT ZONE,  
LAI'AN, ANHUI PROVINCE, CHINA

**Contact information:** Tel.: /  
Mail: 277867611@qq.com

**Sample No.:** SHM20240603442-2#-1~2#-5

**Sample receiving date:** Jun.25, 2024

**Testing period:** Jun.25, 2024~Jul.29, 2024

For and on behalf of  
TÜV Rheinland (Shanghai) Co., Ltd.



Jul.29, 2024

Date

King Chen  
Metal Materials Lab  
Project Manager

Name

Yixiang Shen  
Metal Materials Lab  
Technical Manager

Name



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Page 2 of 3

**1. Sample information (provided by customer):**

**Sample name:** BOARD RETAINING COUPLER

**Sample description:** A batch of board retaining couplers

**Sample obtaining method:** ☒ Sending by customer   ☐ Sampling by TÜV staffs  
☐ Other (   )

**Other information:** Product specification:  $\Phi 48.3\text{mm}$ ;  
Material and Mark: Q235.

**Sample photo(s):**



**2. Conclusion:**

Test item	Test result
Pull-apart force	$F_{p,5\%}/\gamma R2=25.2\text{kN}$

Note: 1.  $F_{p,5\%}$ : the 5%-quantile for a confidence level of 75%;  
2.  $\gamma R2=1.25$ , Torque=50Nm.

**3. Test result:**

**Pull-apart force:**

**Test method:** Refer to EN 74-1:2022

Specification of steel bar:  $\Phi 48.3\text{mm}$

Loading rate: 2mm/min

Supporting gap: 8mm

Sample	$F_p$ (kN)	Failure mode
2#-1	34.08	The sample was broken.
2#-2	33.14	The sample was broken.
2#-3	34.30	The sample was broken.
2#-4	35.00	The sample was broken.
2#-5	32.59	The sample was broken.
$F_{p,5\%}/\gamma R2$	25.2	/

	
During test	After test

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