

Test Report No.: **01 220 CHN/T-2403442-4**

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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.: SHM20240603442-4#-1~4#~10

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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1. Sample information (provided by customer):

Sample name: SLEEVE COUPLER

Sample description: A batch of sleeve 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 requirement (EN 74-1:2022 Class A)	Test result	Conclusion
Slipping force	$1\text{mm} \leq \Delta_2 \leq 2\text{mm}$, $F_{s,5\%} \geq 6.0\text{kN}$	$F_s = 12.0\text{ kN}$, $\Delta_2 < 1\text{mm}$	Pass

Note: Torque=50Nm.

3. Test result:

Slipping force:

Test method: EN 74-1:2022

Specification of steel tube: $\Phi 48.3\text{mm} \times 3.2\text{mm}$ (wall thickness)

Loading rate: 2mm/min (before beginning to slip: 0.3kN/s)

Sample	F_s (kN, $1\text{mm} \leq \Delta_2 \leq 2\text{mm}$)
4#-1	$F_s = 12.0$, $\Delta_2 < 1\text{mm}$
4#-2	$F_s = 12.0$, $\Delta_2 < 1\text{mm}$
4#-3	$F_s = 12.0$, $\Delta_2 < 1\text{mm}$
4#-4	$F_s = 12.0$, $\Delta_2 < 1\text{mm}$
4#-5	$F_s = 12.0$, $\Delta_2 < 1\text{mm}$
4#-6	$F_s = 12.0$, $\Delta_2 < 1\text{mm}$
4#-7	$F_s = 12.0$, $\Delta_2 < 1\text{mm}$
4#-8	$F_s = 12.0$, $\Delta_2 < 1\text{mm}$
4#-9	$F_s = 12.0$, $\Delta_2 < 1\text{mm}$
4#-10	$F_s = 12.0$, $\Delta_2 < 1\text{mm}$
$F_{s,5\%}$	/

Note: When the test load reached twice the specified F_s given in Table 8 of EN 74-1:2022, the test could be ended according to the standard.





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