

No. : SHIN2007045865CM-01

Date: Sep 07, 2020

Page: 1 of 5

scan to see the report

CUSTOMER NAME: NANJING TUOPENG CONSTRUCTION TECHNOLOGY CO., LTD.
ADDRESS: NO.21, CHENLY ROAD, XIONGZHOU STREET, LUHE DISTRICT,

NANJING, JIANGSU, CHINA

This Report supersedes the Report No. SHIN2007045865CM dated: Aug. 04, 2020 issued by SGS,

original report will be invalid from today.

Sample Name : DROP FORGED SEIVEL COUPLER

Product Specification : 48.3 x 48.3mm

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

Test Required : Please see the next page(s)

Ref. Standard : Please see the next page(s)

Date of Receipt : Jul 27, 2020 www.tp-scaffold.com
Testing Start Date : Jul 27, 2020 info@tp-scaffold.com

Testing End Date : Aug 04, 2020

Test result(s) : For further details, please refer to the following page(s)

(Unless otherwise stated the results shown in this test report refer only to

the sample(s) tested)

Signed for Signed Signed Standards Technical Service (Shanghai)Co. Ltd

Tiffany Liu Savies State

Authorized signatory



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="https://www.sgs.com/en/Terms-and-Conditions/Terms-and-Con

No.69, Block 1159, East Kang Qiao Road, Pudong District, Shanghai, China. 201319 t (86-21) 61196300 f (86-21) 61191853/68183920 www.sgsgroup.com.cn 中国・上海・浦东康桥东路1159弄69号 邮编: 201319 t (86-21) 61196300 f (86-21) 61191853/68183920 e sgs.china@sgs.com



No. : SHIN2007045865CM-01

Date: Sep 07, 2020

Page: 2 of 5

Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1 .	Slipping force	EN 74-1:2005 Clause 7.2.1	See result	Pass
2	Failure force	EN 74-1:2005 Clause 7.2.2	See result	Pass
3	Indentation	EN 74-1:2005 Clause 7.5	See result	Pass

Note: Pass : Meet the requirements;

Fail: Does not meet the requirements;

/: Not Apply to the judgment. www.tp-scaffold.com info@tp-scaffold.com

Original Sample Photo:





View 1

View 2



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-and-Cond

No.69, Block 1159, East Kang Qiao Road, Pudong District, Shanghai, China. 201319 t(86-21) 61196300 f(86-21 中国 - 上海 · 浦东康桥东路1159弄69号 邮编: 201319 t(86-21) 61196300 f(86-21

f (86-21) 61191853 / 68183920 www.sgsgroup.com.cn f (86-21) 61191853 / 68183920 e sgs.china@sgs.com



SHIN2007045865CM-01

Date: Sep 07, 2020

Page: 3 of 5

Test Item: Slipping force, Failure force, Indentation

Test Method: EN 74-1:2005 Sample Description: See photos

Test Condition:

Specimen: Swivel coupler, Class A, 20pcs

Test Results:

Test Clause	Test Item	Test Requirement (Swivel coupler, Class A)	Test Result	Conclusion
7.2.1 Slipping force	2 -05	∆₁≤7mm, F _{s,5%} ≥7.0	∆₁≤7mm, F _{s,5%} =10.9kN	50
	1mm≤∆₂≤2mm, F _{s,5%} ≥10.0kN	See Annex A section 1	Pass	
7.2.2	Failure force	F _{f,5%} /γR2 ≥14.0kN	F _{f,5%} /γR2=24.4kN	Pass
7.5	Indentation	F=4.70kN, ∆ ₁₀ ≤1.5mm	F=4.70kN, △ ₁₀ <1.5mm	Pass

Note:

- 1. F_{f,5%}: the 5% quantile for the 75% level of confidence. info@tp-scaffold.com
- 2. yR2=1.25 according to EN 74-1.
- 3. Specification of tube for slipping force: Steel tube of Φ48.3mm x3.2mm (wall thickness) Specification of steel bar for failure force: Steel bar of Φ48.3mm. Specification of tube for indentation: Steel tube of Φ48.3mm x2.8mm (wall thickness)
- 4. Please see Annex A for details of test results.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.forms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues definition of the original and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not are described except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the contant or appearance of this document is unawful and offenders may be prosecuted to the fullest settent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

No.69, Block 1159, East Kang Qiao Road, Pudong District, Shanghai, China. 201319 t (86-21) 61196300 f(86-21) 61191853/68183920 中国・上海・浦东康桥东路1159弄69号 邮编:201319 1(86-21)61196300

f(86-21) 61191853 / 68183920 e sgs.china@sgs.com



No. : SHIN2007045865CM-01

Date: Sep 07, 2020

Page: 4 of 5

Annex A Details of test results

1. Slipping force

Sample No.	F _s (kN, △₁=7mm)	F₃ (kN, 1mm≤∆₂≤2mm)
_c, 169 S	13.31	F _s =20.0kN, ∆ ₂ <1mm
5 2 2	13.01	F _s =20.0kN, ∆ ₂ <1mm
5 3 CG5	14.87	F _s =20.0kN, ∆ ₂ <1mm
3 24 5 5	13.29	F _s =20.0kN, ∆ ₂ <1mm
5 5	12.95	F _s =20.0kN, ∆ ₂ <1mm
6 6	11.18	F _s =20.0kN, ∆ ₂ <1mm
97 9	13.44	F _s =20.0kN, ∆ ₂ <1mm
82 82	12.95	F _s =20.0kN, ∆ ₂ <1mm
50° 9 5° 65	12.06	F₅=20.0kN, ∆₂<1mm
5 510	11.98	F _s =19.76kN, ∆₂<1mm, failure occurs
F _{s,5%}	5 10.9	5 57 5 6

Note: In accordance with EN 74-1:2005, the test can be ended when the test load reached twice the specified F_s given in Table 8; or test load reaches a value after which the load cannot be usefully increased.

www.tp-scaffold.com info@tp-scaffold.com

2. Failure force

Sample No.	F _f (kN)
11° 55 55°	35.94
5 5 ¹² 12 5 5 ¹²	38.91
5 513 5 5	33.39
5 5 14 5 5	39.60
15 5 5	41.75
F _{f.5%} /γR2	24.4



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

O 2 0 9 0 1

No.69, Block 1159, East Kang Qiao Road, Pudong District, Shanghai, China. 201319 t(86-21) 61196300 f(86-21) 61191853/68183920 www.sgsgroup.com.cn 中国·上海·浦东康桥东路1159弄69号 邮编: 201319 t(86-21) 61196300 f(86-21) 61191853/68183920 e sgs.china@sgs.com



No. : SHIN2007045865CM-01

Date: Sep 07, 2020

Page: 5 of 5

3. Indentation

Sample No.	△ ₁₀ (mm, F=4.70kN)	
5 516 5 50	F=4.70kN, △ ₁₀ <1.5mm	
5 5 17 6	F=4.70kN, △ ₁₀ <1.5mm	
9 5 18 5 5	F=4.70kN, △ ₁₀ <1.5mm	
19 www.tp-scaffo	ld.com F=4.70kN, △10<1.5mm	
20 info@tp-scaffo	old.com F=4.70kN, △10<1.5mm	

****** End of report******





Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein, any holder of this document is advised that information contained hereon reflects the Company's solic responsibility is to its Client and the document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company, Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the sum of the company is the sample(s) tested and such sample(s) are retained for 30 days only.

Company Summary**

Company

Company Summary**

Company Summary**

Company Summary**

Company Summary**

Company Summary**

Company

Company Summary**

Company Summary**

Company Summary**

Company Summary**

Company Summary**

Company

Company Summary**

Company Summary**

Company Summary**

Company Summary**

Company Summary**

**Company

No.69, Block 1159, Fast Kang Qiao Road, Pudong District, Shanghai, China. 201319 t (86-21) 61196300 f (86-21) 61191853/68183920 www.sgsgroup.com.cn 中国・上海・浦东康桥东路1159弄69号 邮编: 201319 t (86-21) 61196300 f (86-21) 61191853/68183920 e sgs.china@sgs.com