

EC type-examination certificate

according to Article 4 of the Government Order No. 21/2003 Coll. and according to Article 10 of the Council Directive 89/686/EEC (PPE) as amended by the Council Directives 93/68/EEC, 93/95/EEC and the Directive 96/58/EC of the European Parliament and the Council.

No.: 1019-312/Q/2016

Manufacturer:	Handy Man Enterprise Co. Ltd. 5F-1, No. 194, Jhouzih St., Neihu Dist. 11493 Taipei Taiwan
Product:	Carabiner, type A713KSG (screw), der. var. A713KTL (twist lock) / A713KTL-3 (triple lock)
PPE category:	III.
Applied standards:	ČSN EN 362:2005 (identical to EN 362:2004) ČSN EN 12275:2013 (identical to 12275:2013) ČSN EN 365:2005 (identical to EN 365:2004)
Base for issue of certificate:	Final Report No. 1019-018011/2016 (integral part of this certificate)
Validity of certificate till:	2021-11-30

VVUÚ, a.s. hereby certifies that the sample of the product mentioned above meets all the relevant basic health and safety requirements of Annex No. 2 of the Government Order No. 21/2003 Coll., and of Annex II of the Council Directive 89/686/EEC as amended by the Council Directives 93/68/EEC, 93/95/EEC and the Directive 96/58/EC of the European Parliament and the Council.

2016-11-16
Date of issue




Ing. Tomáš Dorazil
Deputy Director NB 1019

Description of product

	A713KSG (screw)	A713KTL (twist lock)	A713KTL-3 (triple lock)
Material:	Aluminium 7075		
Gate Closing:	Self-closing		
Gate Locking:	Manual-locking	Self-locking	
Min. Gate Opening:	21.16 mm		
Min. Static Strength (↔):	25 kN		
Min. Static Strength (↑):	9 kN		
Min. Static Strength (↻):	9 kN		
Class acc. to EN 362:	B		
Class acc. to EN 12275	H		

Picture of product



Carabiner, type A713KSG (screw), der. var. A713KTL (twist lock) / A713KTL-3 (triple lock)



Notified Body No. 1019

VVUÚ, a.s., Pikartská 1337/7, 716 07 Ostrava – Radvanice, Czech Republic

Final Report

No. 1019-018011/2016

on EC type-examination according to Article 4 of the Government Order No. 21/2003 Coll. and Article 10 of the Council Directive No. 89/686/EEC as amended by the Council Directives 93/68/EEC, 93/95/EEC and the Directive 96/58/EC of the European Parliament and the Council

The product: **Carabiner, type A713KSG (screw), der. var. A713KTL (twist lock)/A713KTL-3 (triple lock)**

Category of personal protective equipment: **III.**

Manufacturer: **Handy Man Enterprise Co., Ltd., 5F-1, No. 194, Jhouzih St., Neihu Dist., 11493 Taipei, Taiwan**

Application No.: **018011** dated **September 26, 2016**

Contract No.: **N54/16/P/124** dated **October 3, 2016**

Issued by: **Pavel Novák**
Technical Expert

Signature:

Date: **November 16, 2016**



Stamp of Notified Body

Notes:

All regulations are used as written, include all subsequent amendments, and are referred to by their original title. This Final Report applies only to the aforementioned product, the submitted documentation, and tests, inspections and documentation carried out and prepared by Notified Body 1019.

The Final Report (without appendices) may be published in its entirety only. Publication of a part of the Final Report requires the prior consent of Notified Body 1019.

Reference to the Final Report must identify VVUÚ, a.s. as Notified Body 1019.

1. Product specification

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Class acc. to EN 362:	B		
Class acc. to EN 12275	H		

The product „Carabiner, type A713KSG (screw), der. var. A713KTL (twist lock)/A713KTL-3 (triple lock)“ is identical to the product “Carabiner, type A713SG (screw lock), der. var. A713TL (twist lock)/A713TL-3 (triple lock)“ (with regards to design and used materials) which is subject of EC type examination certificate No. 1019-152/Q/2011, dated August 22, 2011 and the 1st Addition to this certificate, dated September 12, 2012. The test results of the identical product were used for the purpose of conformity assessment of the product „Carabiner, type A713KSG (screw), der. var. A713KTL (twist lock)/A713KTL-3 (triple lock)“.



Carabiner, type A713KSG (screw), der. var. A713KTL (twist lock)/A713KTL-3 (triple lock)

The manufacturer delivered 4 pieces of the specimen of the model on October 3, 2016.

**2. List of submitted technical documentation according to Annex No. 3 to the Government Order No. 21/2003 Coll. and Annex III to the Council Directive No. 89/686/EEC**

No.	Name of documentation
1	Product drawings – Carabiner, type A713KSG (screw), der. var. A713KTL (twist lock)/A713KTL-3 (triple lock)
2	Marking of the product - Carabiner, type A713KSG (screw), der. var. A713KTL (twist lock)/A713KTL-3 (triple lock)
3	Quality Control System
4	List of used standards and basic requirements
5	Instruction for use - Carabiner, type A713KSG (screw), der. var. A713KTL (twist lock)/A713KTL-3 (triple lock)
6	Manufacturer's declaration dated November 2, 2016
7	Packaging
8	Manufacturer's declaration – identical dated November 2, 2016

3. Examination of the manufacturer's technical file**3.1 Application of the harmonized standards, respectively the technical specifications**

The manufacturer has applied the harmonized standards ČSN EN 362:2005 (identical to EN 362:2004), ČSN EN 365:2005 (identical to EN 365:2004) and ČSN EN 12275:2013 (identical to EN 12275:2013).

3.2 Examination of the manufacturer's technical file and of its suitability with respect to the harmonized standards

Date of examination	Document	Conclusion
November 16, 2016	Appendix to this Final Report	The manufacturer's technical file is suitable for the examination of conformity to basic requirements of the Government Order No. 21/2003 Coll., of the Council Directive 89/686/EEC, and suitable with respect to the harmonized standards ČSN EN 362, ČSN EN 12275 and ČSN EN 365.

4. Examination of the model**4.1 Verification of compliance of the model with the manufacturer's technical file**

Data of verification	Document	Conclusion
November 16, 2016	Appendix to this Final Report	The model has been produced in accordance with the manufacturer's technical file and can be used in complete safety for its intended purpose.



4.2 Examinations and tests

Date of examinations/tests	Document	Conclusion
November 16, 2016	Appendix to this Final Report	The model is in conformity with the harmonized standards ČSN EN 362, ČSN EN 12275 and ČSN EN 365 and meets the basic requirements of the Government Order No. 21/2003 Coll. and of the Council Directive 89/686/EEC.
August 5, 2011	Test Report No. A01194-10-11	
June 19, 2014	Test Report No. A02152-10-14	
September 11, 2014	Test Report No. A02230-10-14	
October 6, 2016	Test Report No. A03054-10-16	
October 6, 2016	Test Report No. Q03054-10-16	
From October 24 till October 26, 2016	Test Report No. P-VZLUTEST-388/16	

Results of examinations and tests are given in the Appendix to this Final report.

5. Assessment of the conformity of the model with basic requirements

From the results of the examination of the technical file and the examinations and tests performed, it follows that the model of the product „Carabiner, type A713KSG (screw), der. var. A713KTL (twist lock)/A713KTL-3 (triple lock)“, of the manufacturer Handy Man Enterprise Co., Ltd., 5F-1, No. 194, Jhouzih St., Neihu Dist., 11493 Taipei, Taiwan

s a t i s f i e s

the relevant basic health and safety requirements referred to Annex No. 2 to the Government Order No. 21/2003 Coll. and Annex II to the Council Directive 89/686/EEC as amended by the Council Directives 93/68/EEC, 93/95/EEC and the Directive 96/58/EC of the European Parliament and the Council.

6. Checking of PPE manufactured

The manufacturer has chosen the procedure „EC quality control system for the final product“ (referred to in Article 5 of the Government Order No. 21/2003 Coll. and article 11A of the Council Directive 89/686/EEC) for checking of PPE manufactured.

7. List of materials for preparation of the Final report

- Test Report No. A01194-10-11, dated August 5, 2011, issued by VVUÚ Testing laboratory, a.s., Ostrava – Radvanice, Czech Republic
- Test Report No. A02152-10-14, dated June 19, 2014, issued by VVUÚ Testing laboratory, a.s., Ostrava – Radvanice, Czech Republic
- Test Report No. A02230-10-14, dated September 11, 2014, issued by VVUÚ Testing laboratory, a.s., Ostrava – Radvanice, Czech Republic
- Test Report No. A03054-10-16, dated October 6, 2016, issued by VVUÚ Testing laboratory, a.s., Ostrava – Radvanice, Czech Republic
- Test Report No. Q03054-10-16, dated October 6, 2016, issued by VVUÚ Testing laboratory, a.s., Ostrava – Radvanice, Czech Republic
- Test Report No. P-VZLUTEST-388/16, dated October 26, 2016, issued by accredited testing laboratory No. 1318, VZLU TEST, a.s., Praha, Czech Republic

8. List of appendices

- Appendix to Final Report No. 1019-018011/2016, dated November 16, 2016

**Appendix to Final Report No. 1019-018011/2016, dated November 16, 2016****Product:** A713KSG (screw), der. var. A713KTL (twist lock)/A713KTL-3 (triple lock)*Note: evaluation method; Yes – meet / satisfy, No – not satisfy, (!) - irrelevant***Part 1: Technical documentation supplied by the manufacturer stated in chapter 2 of the Final Report****1.1 Examination of the technical documentation file**

No.	Documentation requirements	Satisfy
1, 2, 7	1. a) overall and detailed plans of the personal protection equipment accompanied by the necessary calculations and the results of prototype tests.	Yes
4	b) a complete list of basic requirements of the Government Order No. 21/2003 Coll., the Council Directive 89/686/EEC and standards or other technical specifications that were taken into account when designing the product.	Yes
3	2. A description of the inspection and test equipment used by the manufacturer or an authorized representative to verify the compliance of the production of the personal protection equipment with the technical standards in accordance with the Government Order No. 21/2003 Coll., the Council Directive 89/686/EEC, or other technical specifications, and for maintaining the quality level.	Yes
5	3. A copy of the information supplied by the manufacturer mentioned in the Government Order No. 21/2003 Coll., Annex No. 2, article 1.4 and in the Council Directive 89/686/EEC, Annex II, article 1.4.	Yes

1.2 Examination of the suitability of the manufacturer's technical file with respect to the harmonized standards, respectively the technical specifications**1.2.1 Harmonized standards**

EN 362:2004	Requirement	Satisfy
Article 6	Marking	Yes
Article 7	Information supplied by the manufacturer	Yes

EN 12275:2013	Requirement	Satisfy
Article 6	Marking	Yes
Article 7	Information supplied by the manufacturer	Yes

EN 365:2004	Requirement	Satisfy
Article 4.1	General	Yes
Article 4.2	Instructions for use	Yes
Article 4.3	Instructions for maintenance	Yes
Article 4.4	Instructions for periodic examinations	Yes
Article 4.5	Instructions for repair	Yes
Article 4.6	Records	Yes
Article 4.7	Periodic examination	Yes
Article 4.8	Marking	Yes
Article 4.9	Packaging	Yes



Part 2: Examination of the model

2.1 Verification of compliance of the model with the manufacturer's technical file

Requirement	Satisfy
Compliance of the model with the manufacturer's technical file	Yes
Suitability the product for its intended purpose	Yes

2.2 Evaluation and test of the model in accordance with harmonized standards

EN 362:2004

Article	Requirement	Document	Satisfy
4.1	General	Annex 2 of Final report no. 1019-016451/2011 *) Assessment No. 018011	Yes
4.2	Static strength	Test Report No. A01194-10-11 *)	Yes
4.3	Gate function	Test Report No. A01194-10-11 *)	Yes
4.4	Gate resistance	Test Report No. A01194-10-11 *)	Yes
4.5	Corrosion resistance	Test Report No. P-VZLUTEST-388/16 Assessment No. 018011	Yes
6	Marking	Part 1 of this Appendix	Yes
7	Information supplied by the manufacturer	Part 1 of this Appendix	Yes

*) Test and examination results were assessed in Final report no. 1019-016451/2011 dated August 22, 2011 (part of the EC type examination certificate no. 1019-152/Q/2011).

EN 12275:2013

Article	Requirement	Document	Satisfy
4.1	Design	Annex 2 of Final report no. 1019-DC-021/14/2014 **) Test Report No. Q03054-10-16	Yes
4.2	Performance	Test Report No. A02152-10-14 **) Test Report No. A02230-10-14 **) Test Report No. A03054-10-16 Test Report No. Q03054-10-16	Yes
6	Marking	Part 1 of this Appendix	Yes
7	Information supplied by the manufacturer	Part 1 of this Appendix	Yes

**) Test and examination results were assessed in Final report no. 1019-DC-021/14/2014 dated September 12, 2014 (part of the 1. Addition to EC type examination certificate no. 1019-152/Q/2011).

Part 3: Conformity of the model with the basic health and safety requirements

Requirement of the Government Order No. 21/2003 Coll. and the Council Directive 89/686/EEC		Standard / article Technical specification / article	Conformity
1.1.1	Ergonomics	PPE is designed and manufactured that in the foreseeable conditions of use for which it is intended the user can perform the risk-related activity normally whilst enjoying appropriate protection of the highest possible level.	Yes
1.1.2.1	Highest level of protection possible	The optimum level of protection to be taken into account in the design is that beyond which the constraints imposed by the wearing of the	Yes




Requirement of the Government Order No. 21/2003 Coll. and the Council Directive 89/686/EEC		Standard / article Technical specification / article	Conformity
1.1.1	Ergonomics	PPE is designed and manufactured that in the foreseeable conditions of use for which it is intended the user can perform the risk-related activity normally whilst enjoying appropriate protection of the highest possible level.	Yes
		PPE would prevent its effective use during the period of exposure to the risk or normal performance of the activity.	
1.2.1	Absence of risks and other 'inherent' nuisance factors	EN 362 / 4.1.1, 4.1.3, 4.1.7, 4.3 and 4.4 EN 12275 / 4.1 and 4.2	Yes
1.2.1.1	Suitable constituent materials	EN 362 / 4.1.2	Yes
1.2.1.2	Satisfactory surface condition of all PPE parts in contact with the user	EN 362 / 4.1.1 EN 12275 / 4.1.1	Yes
1.2.1.3	Maximum permissible user impediment	Any impediment caused by PPE to movements to be made, postures to be adopted and sensory perception must be minimized; nor must PPE cause movements which endanger the user.	Yes
1.3.2	Lightness and design strength	EN 362 / 4.2, 4.5 EN 12275 / 4.2.1 and 4.2.3	Yes
1.4	Information supplied by the manufacturer	EN 362 / 7 EN 12275 / 6 and 7 EN 365 / 4.1, 4.2, 4.3, 4.4, 4.6 and 4.8	Yes
2.1	PPE incorporating adjustment systems	EN 362 / 4.1.4 and 4.1.5 EN 12275 / 4.1.13	Yes
2.4	PPE subject to ageing	EN 362 / 7 EN 12275 / 7 EN 365 / 4.2	Yes
2.8	PPE for use in very dangerous situations	EN 362 / 7 EN 12275 / 7 EN 365 / 4.2	Yes
2.12	PPE bearing one or more identification or recognition marks directly or indirectly relating to health and safety	EN 362 / 6 EN 12275 / 6 and 7 EN 365 / 4.8	Yes
3.1.2.2	Prevention of falls from a height	EN 362 / 4 EN 12275 / 4 and 7 EN 365 / 4.2	Yes *)

Unlisted basic requirements do not relate to this product.

*) Product is only one part of security chain and should be compatible in connection to other parts.

At Ostrava – Radvanice, dated November 16, 2016


Issued by: Pavel Novák



Testing laboratory no. 1318 CAI accredited according to ČSN EN ISO/IEC 17025

Test Report No.: P-VZLUTEST- 388/16

Name of test: corrosion test

Worked out

.....
Pavel Malý
Responsible worker for task

Reviewed

.....
Pavel Malý
Head of Environmental Testing Laboratory

Approved

.....
Miroslav Valeš, Ph.D.
Manager of Testing laboratory



Name of purchaser: VVUÚ, a.s.
Address of purchaser: Pikartská 1337/7, 716 07 Ostrava -Radvanice
Place and date of the Test report release: Prague, 26.10.2016
Total number of pages including attachments: 4
Copy number: 1
Number of attachments: 1

1. General information

Purchase number:	COV /012/2016
Account number/task	EA00358
Date of receipt of samples	20.10.2016
Number of tested samples:	1 pc.
Start of test:	24.10.2016
End of test:	26.10.2016

2. Description and identification of samples

Carabiner, Type A713 KSG(screw)

3. Terms and definitions

4. Normative/method references:

ČSN EN ISO 9227 (NSS)

5. List of test and measurement equipment

Name	Type	Serial no:
Corrosion Chamber Liebisch	SKB 1000 A-TR	282935
Thetmometer	0°-50°C /0,2°C	6-01-44
pH meter DENVER	ACCUMET 250	6-07-004
Measuring cylinder	10-100 ml	6-04-009

6. Test procedure and parametresČSN EN ISO 9227 NSS

-corrosive environment 5% NaCl , 35°C ± 2°C , pH = 6,5-7,2

- fallout rate: 1,5 ml/h ± 0,5 ml/h

Exposure time: 2 x (24 hours + 1 hour drying after exposure)

7. Evaluation

The evaluation of the results falls within the submitter's competence.

Photo documentation is provided, see annex 1.

8. Tested by

Pavel Malý date: 24.10.2016 – 26.10.2016

9. Conclusion

A comprehensive assessment of the results and subsequent conclusions are the responsibility of the contracting authority.

10. Distribution

Purchaser:
VZLU TEST, a.s.

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11. Annex 1:

The sample after the test



***END OF TEST REPORT ***