

Engineering Test Institute

## FINAL REPORT 32-9473

**Product:** Sports utility stroller (baby carriage)

**Type designation:** Small - (S model)



**STROJÍRENSKÝ  
ZKUŠEBNÍ ÚSTAV, s. p.**





## **FINAL REPORT**

### **32-9473**

**Product:** Sports utility stroller (baby carriage)

**Type designation:** Small - (S model)

**Customer:** Volter s. r. o.  
Na Kozačce 1289/7  
120 00 Praha 2, Czech Republic

**Manufacturer:** Volter s. r. o.  
Na Kozačce 1289/7  
120 00 Praha 2, Czech Republic

**Responsible employee:** Ivana Moravcová

**Report issue date:** 2013-07-31

**Annex:**  
- Photographic documentation

**Distribution list:** 1 copy to the Engineering Test Institute  
1 copy to the Customer





The assessment of product conformity was conducted pursuant to ČSN EN 15918:2012 and ČSN EN 1888:2012.

The Engineering Test Institute conducted the activity specified above on the basis of the following documents:

- Order dated 2013-03-12 (Order Reg. No. J-20278, delivered on 2013-03-15)
- Contract J-20278/32 dated 2013-04-19
- Modification of Completion Date 1, Letter Ref. No. 2443-Dum/1828 dated 2013-05-28
- Supplement 1 to Contract J-20278/32, dated 2013-06-19

## I. Product specification

### Sports utility stroller (baby carriage) - Small - (S model)

The stroller is designed to transport persons; it may also be used to transport cargo with a max. weight not exceeding the load capacity of the stroller, i.e. 44 kg. The movement is provided by a second person pushing the stroller - carriage (by means of its handle) or pulling the stroller (by means of a bicycle drawbar for summer and winter use). The frame of the stroller is also designed to be carried by holding the outer tubes. The maximum load capacity of the stroller when drawn by a bicycle is 44 kg and the maximum height of the person being transported is 120 cm. The maximum load capacity of the stroller when used as a baby carriage is 15 kg. The stroller is equipped with a five-point safety harness and an integrated bag for accessories. The maximum load capacity of the storage compartment is 5 kg. The stroller is equipped with reflectors and a flag.

Material of the frame:	EN AW 6060, 6061, 6082
Material of the upholstery:	Kortexin / Cordura
Weight of the frame:	3.6 kg
Wheel spacing:	76 cm
Rear wheels:	20" with integrated 70 mm drum brakes
Rear wheel tyre:	20x1.75 - Gumonder
Front wheels:	14" fixed / 6" pivoting
Front wheel tyre:	14x1.75 - Heng shin tyre
Material of the wheels:	aluminium hub and rim, steel wire spokes
Fork:	aluminium alloy - glass-filled plastic
Brake:	drum
Brake lever:	Al alloy
Accessories:	mosquito net, mudguard, canopy, speedometer

## II. Assessment of submitted technical documentation

Table 1				
No.	Requirement:	Standard or technical regulation applied:	Source material, document:	Evaluation:*
1	Product information	ČSN EN 1888:2012, Art. 9, 10 ČSN EN 15918:2012, Art. 8, 9	Test Report 32-9473	+
* Evaluation: + The documentation is complete and satisfactory    - The documentation is incomplete or unsatisfactory.    x The documentation is unnecessary for the activities ordered.				



### III. Assessment of product conformity

Table 2

No.	Requirement:	Standard or technical regulation applied:	Source material, document:	Evaluation :*
1	Thermal hazards	ČSN EN 1888:2012, Art. 7 ČSN EN 15918:2012, Art. 5.2	Test Report 32-9473	+
2	Dimensions	ČSN EN 1888:2012, Art. 8.1.1.1.3	Test Report 32-9473	+
3	Restraint systems and buckles	ČSN EN 1888:2012, Art. 8.1.3.1	Test Report 32-9473	+
4	Design	ČSN EN 1888:2012, Art. 8.2.1.1, 8.3.1, 8.4, 8.5, 8.6, 8.7 ČSN EN 15918:2012, Art. 6.9, 6.2	Test Report 32-9473	+
5	Parking and braking devices	ČSN EN 1888:2012, Art. 8.8.1, 8.8.2.5, 8.10.5.1 ČSN EN 15918:2012, Art. 6.12.1	Test Report 32-9473	+
6	Stability	ČSN EN 1888:2012, Art. 8.9.1.1 ČSN EN 15918:2012, Art. 6.13.1	Test Report 32-9473	+
7	Test on uneven surface	ČSN EN 1888:2012, Art. 8.10.3.1	Test Report 32-9473	+
8	Dynamic strength	ČSN EN 1888:2012, Art. 8.10.4.1	Test Report 32-9473	+
9	Strength of handles	ČSN EN 1888:2012, Art. 8.10.6.1, 8.3.1	Test Report 32-9473	+
10	Deflecting device	ČSN EN 15918:2012, Art. 6.3	Test Report 32-9473	+
11	Dangerous edges and protrusions	ČSN EN 15918:2012, Art. 6.4.1	Test Report 32-9473	+
12	Shear and compression points	ČSN EN 15918:2012, Art. 6.5	Test Report 32-9473	+
13	Indirect contact with wheels	ČSN EN 15918:2012, Art. 6.6.1	Test Report 32-9473	+
14	Front protection in trailer of type C	ČSN EN 15918:2012, Art. 6.7.1	Test Report 32-9473	+
15	Restraint in trailer of type C	ČSN EN 15918:2012, Art. 6.8.1	Test Report 32-9473	+
16	Lighting systems, reflectors and other visibility features	ČSN EN 15918:2012, Art. 6.14	Test Report 32-9473	+
17	Frame and chassis	ČSN EN 15918:2012, Art. 6.15.1	Test Report 32-9473	+
18	Drawbar and connecting devices	ČSN EN 15918:2012, Art. 6.16.1	Test Report 32-9473	+
19	Safety locking device	ČSN EN 15918:2012, Art. 6.17.1	Test Report 32-9473	+
20	Resistance of restraint system	ČSN EN 15918:2012, Art. 6.18.1	Test Report 32-9473	+
21	Overhead clearance in trailer of type C	ČSN EN 15918:2012, Art. 6.11.1	Test Report 32-9473	+
22	Chemical hazards and characteristics	ČSN EN 1888:2012, Art. 6 ČSN EN 15918:2012, Art. 5.1	Test Report 100-044496 dated 2013-07-31 Test Report 32-9473	+

\* Evaluation:

+ Requirement fulfilled.      - Requirement not fulfilled.      0 Requirement not assessed.      N Not applicable.





#### **IV. Conclusion**

It ensues from the assessment of the submitted technical documentation and the verification and tests conducted that the product concerned is in conformity with the applied requirements of ČSN EN 15918:2012 and ČSN EN 1888:2012, see Table 1 and 2 of this Report.

#### **V. List of referenced documents**

- Order dated 2013-03-12 (Order Reg. No. J-20278, delivered on 2013-03-15)
- Contract J-20278/32 dated 2013-04-19
- Modification of Completion Date 1, Letter Ref. No. 2443-Dum/1828 dated 2013-05-28
- Supplement 1 to Contract J-20278/32, dated 2013-06-19
- Test Report 32-9473 dated 2013-07-31
- Test Report 100-044496 dated 2013-07-31 (ZÚLP - Light Industry Test Institute, České Budějovice)
- ČSN EN 15918:2012 Cycles - Cycle trailer - Safety requirements and test methods
- ČSN EN 1888:2012 Child care articles - Wheeled child conveyances - Safety requirements and test methods
- Instructions for use Volter

The following persons are responsible for the correctness and completeness of the assessment:

Ing. Aleš Pleskot  
Ivana Moravcová

Drafted by: Ivana Moravcová

Responsible employee:

A handwritten signature in blue ink, appearing to read 'Moravcová'.

Ivana Moravcová  
Product Certification Department  
Deputy Manager

