



SAFETY AND COMPLIANCE TESTING FOR CPSC 16 CFR 1203 BICYCLE HELMETS

Brand : FR LINK HELMET
Model : S-378S
Tested Size : SMALL
Stock / Model Number : Not Specified
Country of Origin : China
Age Grading : 5 and older
Children's Product : Not Specified

Prepared For:

Strategic Sports Ltd.
The Third of Liu Huang District,
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Tested By:

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Contract File No.: 505.0178

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Control Document: Official ACT/CPSC 1203/Report Template/CN 08 Oct 2020 Rev.4
SharePoint/GlobalResourceLibrary/Reporting/ReportTemplates/Helmets/CPSC

Technician: Edward Wang

Test Date: 18 December 2020

HELMET DATA

HELMET BRAND NAME: FR LINK HELMET

HELMET MODEL DESIGNATION: S-378S

HELMET MANUFACTURER: STRATEGIC SPORTS LTD.

HELMET SIZE: SMALL

BUCKLE DESCRIPTION: ITW Nexus/A 16

LOT NUMBER: 2020/11 0000001

EPS COLOR: Black

HELMET COVERAGE: Partial Full: Complete: X

TEST HEADFORM SIZE: ISO E

HELMET POSITIONING INDEX: 23 mm

AGE GRADING: 5 and older

HELMET	#1 Ambient	#2 Hot	#3 Cold	#4 Wet	#5 Ambient	#6 Hot	#7 Cold	#8 Wet
SHELL COLOR/PATTERN	Multi	Multi	Multi	Multi	Multi	Multi	Multi	Multi
WEIGHT (grams)	377	380	381	379	381	381	379	380
MONTH & YEAR OF MANUFACTURE	11/20	11/20	11/20	11/20	11/20	11/20	11/20	11/20



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TEST SUMMARY

Requirements	Pass/Fail
1203.5 Projections	Pass
1203.6 Labeling and Instructions	Pass
1203.34 Product Certification and Labeling	Pass
1203.12 Test Requirements	---
(a) Peripheral Vision (degrees)	Pass
(b) Positional Stability, Face Down	Pass
(b) Positional Stability, Face Up	Pass
(c) Dynamic Strength of Retention System	Pass
(d) Impact Attenuation	Pass

Reviewed by

Comments:

1. All helmets were received in undamaged condition and were appropriate for testing.
2. Weights listed above for helmets 1-8 are as tested with visor removed.
3. This helmet met all CPSC 1203 requirements.

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**CPSC 1203.6(a):
Requirements for Labeling and Instructions of Bicycle Helmets**

LABELING		
Each helmet shall be marked with durable labeling so that the following information is legible and easily visible to the user:		
Required Information: Section 1203.6(a)		Present on Helmet Pass/Fail
1.	Model designation.	Pass
2.	A warning to the user that no helmet can protect against all possible impacts and that serious injury or death could occur.	Pass
3.	Warning on both the helmet and the packaging that for maximum protection the helmet must be fitted and attached properly to the wearer's head in accordance with the manufacturer's fitting instructions.	Pass (No Packaging)
4.	A warning to the user that the helmet may, after receiving an impact, be damaged to the point that it is no longer adequate to protect the head against further impacts, and that this damage may not be visible to the user. This label shall also state that a helmet that has sustained an impact should be returned to the manufacturer for inspection, or be destroyed and replaced.	Pass
5.	A warning to the user that the helmet can be damaged by contact with common substances (for example, certain solvents {ammonia}, cleaners {bleach}, etc.), and that this damage may not be visible to user. This label shall state in generic terms some recommended cleaning agents and procedures (for example, wipe with mild soap and water), list the most common substances that damage the helmet, warn against contacting the helmet with these substances, and refer users to the instruction manual for more specific care and cleaning information.	Pass
6.	Signal Word - The labels required by paragraphs (a)(2) through (5) of this section shall include the signal word "WARNING" at the beginning of each statement, unless two or more of the statements appear together on the same label. In that case, the signal word need only appear once, at the beginning of the warnings. The signal word "WARNING" shall be all capital letters, bold print, and a type size equal to or greater than the other text on the label.	Pass
Instructions. Each helmet shall have fitting and positioning instructions, including a graphic representation of proper positioning.		Pass (owner's manual)



CPSC 1203.34: Product Certification and Labeling by Manufacturers (incl. Importers)

(a) Form of permanent label certification –

Manufacturers, as defined in 1203.32(a), shall issue certificates of compliance for bicycle helmets manufactured after March 11, 1999, in the form of a durable, legible, and readily visible label, meeting the requirements of this section. This label is the helmet’s certificate of compliance, as that term is used in section 14 of the CPSCA, 15 U.S.C. 2063.

(b) Contents of certification label –

The Certification labels required by this section shall contain the following:

Does the helmet provide the following certification information per section 1203.34(b)		Present on Helmet Pass/Fail
1.	The statement “Complies with U.S. CPSC Safety Standard for Bicycle Helmets for Persons Age 5 and Older” or “Complies with U.S. CPSC Safety Standard for Bicycle Helmets for Persons Age 1 and Older (Extended Head Coverage),” as appropriate; this label may spell out “U.S. Consumer Product Safety Commission” instead of “U.S. CPSC;”	Pass
2.	The name of the U.S. manufacturer or importer responsible for issuing the certificate or the name of a private labeler;	Pass
3.	The address of the U.S. manufacturer or importer responsible for issuing the certificate or, if the name of a private labeler is on the label, the address of the private labeler;	Pass
4.	The name and address of the foreign manufacturer, if the helmet was manufactured outside the United States;	Pass
5.	The telephone number of the U.S manufacturer or importer responsible for issuing the certificate or, if the name of a private labeler is on the label, the telephone number of the private labeler;	Pass
6.	An identification of the production lot; and	Pass
7.	The uncoded month and year the product was manufactured.	Pass



**CPSC 1203.34:
Product Certification and Labeling by manufacturers** (continued)

8.	<p>(c) Coding - <i>(c)(1) The information required by paragraphs (b)(4) and (b)(6) of this section, and the information referred to in paragraph (c)(2) of this section, may be in code, provided:</i> (i) The person or firm issuing the certificate maintains a written record of the meaning of each symbol used in the code and (ii) The record shall be made available to the distributor, retailer, consumer and Commission upon request. (c)(2) <i>A serial number may be used in place of production lot identification on the helmet if it can serve as a code to identify the production lot. If a bicycle helmet is manufactured for sale by a private labeler, and if the name of the private labeler is on the certification label, the name of the manufacturer or importer issuing the certificate, and the name and address of any foreign manufacturer, may also be in code.</i></p>	Pass
9.	<p>(d) Placement of the label(s). The information required by paragraphs (b) (2), (b) (3), and (b) (5) of this section must be on one label.</p>	Pass
10.	<p>The other required information may be on separate labels. The label(s) required by this section must be affixed to the bicycle helmet. If the label(s) are not immediately visible to the ultimate purchaser of the bicycle helmet prior to purchase because of packaging or other marketing practices, a second label is required. That label shall state, as appropriate, "Complies with U.S. CPSC Safety Standard for Bicycle helmets for Persons Age 5 and Older," or "Complies with U.S. CPSC Safety Standard for Bicycle Helmets for Persons Age 1 and Older (Extended Head Coverage)." The label shall be legible, readily visible, and placed on the main display panel of the packaging or, if the packaging is not visible before purchase (e.g., catalog sales), on the promotional material used with the sale of the bicycle helmet. This label may spell out "U.S. Consumer Product Safety Commission" instead of "U.S. CPSC."</p>	Pass (No Packaging)



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WARNING! • No Helmet can prevent all head injuries. Even in very low speed accidents, serious injury or death can occur. • For best protection, follow manual fitting instructions: Helmet must fit snugly. Wear chin strap comfortably tight against throat. Fasten buckle securely. • Destroy and replace helmet after impact. Protection may not be adequate in future impacts. Damage can be invisible. • Do not clean with solvents, bleaches and strong detergents. They can damage helmet. Sometimes invisibly. Use mild soap and water only. • Read manual. Serial No: 2020/11 0000001

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CPSC
 COMPLIES WITH
 U.S. CPSC SAFETY
 STANDARDS FOR
 BICYCLE HELMETS
 FOR PERSONS
 AGES 5 AND
 OLDER

S-378S
 SMALL
 11/2020

WARNING
 Complies with U.S. CPSC Safety Standard for Bicycle Helmets for Persons Age 5 and Older.
WARNING:
 • READ CAREFULLY - For maximum protection, it is extremely important to read and understand carefully with the proper fit, use and care of your new helmet in accordance with the individual manufacturer's manual.
 • THIS HELMET IS NOT INTENDED FOR MOTOR VEHICLE USE (INCLUDES USE WHILE RIDING MOTORCYCLES OR MOTORBIKES)
 • WARNING FOR PRODUCTS - Children should only wear this helmet while engaged in the activities specified for the helmet. Injury, strangulation or death may occur if the helmet is worn with an unapproved (disregard) equipment, safety vest, knee or other similar accessories.
NO HELMET CAN PREVENT EVERY HEAD INJURY



505.0178.001 – S-378S Labels

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SUMMARY REPORT

<u>HELMET ID</u>	<u>Condition</u>	<u>Brand Name</u>	<u>Model</u>	<u>Date of Manufacture</u>	<u>Helmet Size</u>	<u>Headform Size</u>
1	Ambient	FR LINK HELMET	S-378S	11/20	SMALL	ISO E
2	Hot	FR LINK HELMET	S-378S	11/20	SMALL	ISO E
3	Cold	FR LINK HELMET	S-378S	11/20	SMALL	ISO E
4	Wet	FR LINK HELMET	S-378S	11/20	SMALL	ISO E
5	Ambient	FR LINK HELMET	S-378S	11/20	SMALL	ISO E
6	Hot	FR LINK HELMET	S-378S	11/20	SMALL	ISO E
7	Cold	FR LINK HELMET	S-378S	11/20	SMALL	ISO E
8	Wet	FR LINK HELMET	S-378S	11/20	SMALL	ISO E

RETENTION SYSTEM STRENGTH TEST

<u>HELMET ID</u>	<u>Model</u>	<u>Headform Size</u>	<u>Condition</u>	<u>Maximum Elongation (mm)</u>	<u>Residual Elongation (mm)</u>	<u>Pass/Fail</u>
1	S-378S	ISO E	Ambient	21.5	8.5	Pass
2	S-378S	ISO E	Hot	20.1	7.3	Pass
3	S-378S	ISO E	Cold	20.4	9.0	Pass
4	S-378S	ISO E	Wet	21.5	9.9	Pass

Comment:

1. Test Criteria: The retention system shall remain intact without elongating more than 30 mm.



IMPACT TEST SUMMARY

Helmet ID	Impact Site #	Impact Location	Anvil	Condition	Velocity (m/sec)	Peak Acc. (g)	Pass/Fail
1	1	Front	Hemi	Ambient	4.7389	111.2	Pass
1	2	RT Side	Hemi	Ambient	4.7974	109.3	Pass
1	3	LF Side	Flat	Ambient	6.1734	209.7	Pass
1	4	Rear	Flat	Ambient	6.2033	193.9	Pass
2	1	Front	Hemi	Hot	4.8468	106.3	Pass
2	2	RT Side	Hemi	Hot	4.8175	117.1	Pass
2	3	LF Side	Flat	Hot	6.1981	198.4	Pass
2	4	Rear	Flat	Hot	6.2081	194.4	Pass
3	1	Front	Hemi	Cold	4.8061	118.6	Pass
3	2	RT Side	Hemi	Cold	4.8410	129.0	Pass
3	3	LF Side	Flat	Cold	6.2107	216.6	Pass
3	4	Rear	Flat	Cold	6.1767	228.4	Pass
4	1	Front	Hemi	Wet	4.7912	110.3	Pass
4	2	RT Side	Hemi	Wet	4.8056	124.5	Pass
4	3	LF Side	Flat	Wet	6.2266	209.7	Pass
4	4	Rear	Flat	Wet	6.1971	228.9	Pass
5	1	RT Side	Curb	Ambient	4.8163	132.9	Pass
6	1	RT Side	Curb	Hot	4.7926	123.5	Pass
7	1	RT Side	Curb	Cold	4.8135	135.4	Pass
8	1	RT Side	Curb	Wet	4.7874	128.5	Pass

Comment:

1. Test Criteria: Impact Attenuation: The peak acceleration of each impact shall not exceed 300 g.



NOTICE

1. The report is not effective without the signature of the person(s) authorizing the report (ACT Lab's authorized signatory is John A. Bogler (President)).
2. The report is not valid if altered.
3. Claims have to be made within 15 days after receipt of this report.
4. The results of this test report relate only to the items tested.
5. The results apply to the samples as received.
6. For reports that contain results from external test service providers: Results from external test service providers are supplied by the customer and can affect validity of results.
7. Decision rule applied according to "ILAC-G8:03/2009 - Guidelines on the Reporting of Compliance with Specification".

END OF REPORT

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