

BOARD DISTRIBUTION  
ODINSVEJ 19, 4100 RINGSTED, DENMARK

Sample Description : NKD STUNT SCOOTER  
Style / Item No. : NITRO STUNT SCOOTER

As above test item and its relevant information regarding to the submission are provided and confirmed by the applicant. SGS is not liable to either the test item or its relevant information, in terms of the accuracy, suitability, reliability or/and integrity accordingly.

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Sample Receiving Date : Jun 13, 2019  
Test Performing Date : Jun 13, 2019 to Jul 02, 2019  
Test Performed : Selected test(s) as requested by applicant  
Test Result(s) : For further details, please refer to the following page(s)

Signed for and on behalf of  
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch



Arthur Mak  
Authorized Signatory



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**Test Conducted:** Based on EN 14619:2015 Roller sports equipment – Kick scooters-Safety requirements and test methods

**1. Scope**

This European Standard applies to kick scooters which can only be propelled by the muscular activity of a user with a body mass of more than 20 kg and less than 100 kg.

It specifies safety requirements, test methods, marking and information supplied by the manufacturer to reduce the risk of injuries to both third parties and the user during normal use.

Kick scooters for use by users of less than 20 kg do not belong to the scope of this European Standard. They are toys.

It should be noted that there are two types of scooters for the weight group 20 kg to 50 kg – those classified as sports equipment for use on public roads and path ways (this European Standard) and those classified as toys for domestic use (according to EN 71-1).

**2. Test as: Class A**

Class A: Kick scooters intended for use by a user mass of more than 20 kg up to 100 kg;

Class B: Kick scooters intended for use by a user mass of more than 20 kg up to 50 kg. The maximum height of the steering column is 80 cm.

**3. Sample information:**

User weight: 100 kg/ 220 lbs;

The maximum height of the steering column:81.0cm.

Sample weight: 3.80kg

**4. Number of Tested Specimen: 2piece (s)**

**5. Test Results:** Details shown as following table

Clause	Test Method/Requirement	Test result
<b>4.3</b>	<b>Requirements</b>	
<b>4.3.1</b>	<p><b>Protruding components and edges</b></p> <p>All protruding components and edges on the kick scooter that can come into contact with body parts during normal use shall be deburred or constructed in such a way as to prevent injury. The test shall be carried out according to 5.8.</p> <p>Rigid and protruding parts that may cause entrapment or injuries shall be protected. This protection shall not come loose during tests performed according to Clause 5.</p> <p>The ends of the handles shall be covered. To prevent from injuries, ends of handlebar have to withstand the test according to 5.4, Figure 3, and remain free of sharp edges.</p>	Pass
<b>4.3.2</b>	<b>Parts moving against each other</b>	
<b>4.3.2.1</b>	<p><b>General</b></p> <p>The requirements specified in 4.3.2.2 to 4.3.2.5 shall be tested according to 5.8.</p>	Pass



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4.3.2.2	<b>Distance between the parts</b>	
4.3.2.2.1	<b>General</b> Below requirements do not have to be considered if the customer acts intentionally close to and directly on the component and hurts himself. Then the injury would be caused by his own strength and could be stopped by himself immediately.	Pass
4.3.2.2.2	<b>Class A</b> The distance between accessible moveable parts shall be either smaller than 5 mm or wider than 18 mm in any position. This requirement does not apply to the wheels/spokes/wheel support system or the braking/rear brake system, if provided.	Pass
4.3.2.2.3	<b>Class B</b> a) The space between moving elements, capable of injuring fingers, shall also allow a 12 mm rod to be inserted if it allows a 5 mm rod to be inserted. b) Accessible openings in moving elements capable of shearing a finger shall not allow the insertion of a 5 mm rod. This requirement does not apply to the wheels/spokes/wheel support system or the braking/rear brake system, if provided.	NA
4.3.2.3	<b>Folding mechanism</b> Any folding mechanism shall be designed to fix the kick scooter for use in a simple, rigid and safe way. It shall resist all tests without damage. Fixing components should not have contact with the front wheel in any position. An inadvertent unlocking of the mechanism shall be impossible. If the distance as specified in 4.3.2.2 is not met, other designs to protect the user from unintentional injuries shall be provided.	NA
4.3.2.4	<b>Sliding mechanism others than the steering system</b> Sliding mechanisms shall be protected against unintentional opening or collapse during normal use.	NA
4.3.2.5	<b>Springs</b> Springs shall not be accessible if the gap between two consecutive spirals or turns allows a 5 mm diameter rod to be inserted on a 10 mm depth.	NA
4.3.3	<b>Steering system</b> The steering system shall be constructed: a) to avoid contact between wheels and other parts of the kick scooter during usual riding; b) that the length adjustment fixing avoids unintentional opening; 1) For class B, the height shall be adjustable with the use of a tool or have at least one main locking device and one secondary locking device of which at	Pass



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	<p>least one shall automatically be engaged when the height is adjusted.</p> <p>c) that the steering column, if it is sliding, shall be adjusted for height, and have a permanent mark that indicates the minimum insertion depth of the column; this mark shall be positioned at a distance equivalent to and not less than two and a half times the diameter of the column and shall not affect its strength;</p> <p>d) that the end of the handlebar is equipped with hand grips or plugs, which withstand a tensile load of 70 N in the loosening direction.</p> <p>When tested according to Clause 5, there shall be no break or functional damage of the steering system.</p>	
4.3.4	<p><b>Deck</b></p> <p>The deck shall resist all tests specified in Clause 5 without any functional damage. It shall be equipped with an anti-slide surface with an area of at least 200 cm<sup>2</sup>.</p>	Pass
4.3.5	<p><b>Bearings</b></p> <p>The bearings shall be designed in such a way as to be functional after performing all the tests according to Clause 5. They shall be constructed in such a way as to permit servicing according to the information supplied by the manufacturer without impairment of their operational safety.</p>	Pass
4.3.6	<p><b>Axles</b></p> <p>The axles shall be attached and designed in such a way as to ensure that they cannot become loose, displaced or deformed during use. The wheels shall be secured on the axles against unintentional loosening.</p> <p>These requirements are considered to be fulfilled if the axles are not loosened, deformed or displaced to such an extent as to impair proper functioning, and the wheels have not become loose after the tests according to Clause 5.</p>	Pass
4.3.7	<p><b>Wheels</b></p> <p>The wheels shall be constructed from non-slip material. This requirement is considered to be fulfilled if a coefficient of adhesion, <math>\mu_0</math>, of at least 0,30 is achieved in the test according to 5.3.</p> <p>After the tests according to Clause 5, the wheels shall not show tearing. They shall not have further loosened or been deformed to the extent that there exists a risk of their becoming locked.</p> <p>If a rear wheel and its axle differ from those at the front, they shall be tested according to 5.7 in an adapted way.</p> <p>The diameter of the front wheel(s) on class B kick scooters shall be 120 mm or greater.</p>	Pass
4.3.8	<p><b>Self-locking fixings</b></p> <p>Where self-locking nuts are used, the entire thread, including the locking section, shall be in contact with the bolt. Self-locking nuts and other self-locking fixings that</p>	Pass



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Clause	Test Method/Requirement	Test result
	are loosened several times for the purpose of modification or servicing shall be suitable for this purpose.	
4.3.9	<p><b>Mechanism to reduce the speed</b></p> <p>If a kick scooter is equipped with a mechanism to reduce the speed, this mechanism shall continue to make contact with the surface to which it is intended and no fastening devices shall have loosened when tested according to Clause 5.</p> <p>The mechanism shall effectively and smoothly reduce the speed without coming to an abrupt stop.</p>	Pass
4.3.10	<p><b>Strength</b></p> <p>All functional parts after testing according to Clause 5 shall not collapse or fail to comply with the relevant requirements specified in this European Standard.</p>	Pass
6	<b>Marking</b>	
6.1	<p><b>On the kick scooter</b></p> <p>Each kick scooter shall be legibly and durably marked with the following:</p> <p>a) name, trademark or other means of identification of the manufacturer, or his authorized representative within the European Community, or the importer;</p> <p>b) means of identification of the model;</p> <p>c) warning text "Read the information supplied by the manufacturer" or a pictogram (e.g. Figure 10);</p>  <p><b>Figure 10 — Read the information supplied by the manufacturer</b></p> <p>d) maximum weight: 100 kg for class A and 50 kg for class B;</p> <p>e) warning text: "Wear personal protective equipment" or the mandatory action sign "Wear personal protective equipment" according to Figure 11.</p>  <p><b>Figure 11 — ISO 7010 — (M049), Wear personal protective equipment</b></p>	Pass



Clause	Test Method/Requirement	Test result
6.2	<p><b>On the package</b></p> <p>The following information shall be provided on the package:</p> <p>a) all information given on the kick scooter (see 6.1);</p> <p>b) number of this European Standard and class of kick scooter.</p>	Pass
7	<p><b>Information supplied by the manufacturer</b></p>	
7.1	<p><b>General</b></p> <p>All kick scooters shall be supplied with information supplied by the manufacturer.</p> <p>This document shall contain, in text or picture form, at least the information in accordance with 7.2 and 7.3 as well as the information given in Clause 6.</p>	Pass
7.2	<p><b>Instructions for use</b></p> <p>The following advice shall be included:</p> <p>a) advice to the user to check the limitation of use according to regulations of road safety;</p> <p>b) recommendations regarding or descriptions of suitable surfaces (flat, clean, dry and where possible away from other road users);</p> <p>c) use of at least the following protective equipment: hand/wrist, knee, head and elbow protection;</p> <p>d) instruction to check that the steering system is correctly adjusted and that all connection components are firmly secured and not broken</p> <p>e) description of the correct techniques for use and for braking;</p> <p>f) advice on making ready for use in order to avoid pitching or entrapment;</p> <p>g) always wear shoes;</p> <p>h) do not ride in the darkness;</p> <p>i) mechanism to reduce speed will get hot from continuous use, do not touch after braking.</p>	Pass
7.3	<p><b>Servicing and maintenance instructions</b></p> <p>Clear advice stating that regular maintenance enhances the safety of the kick scooter. This includes:</p> <p>a) note regarding bearing maintenance;</p> <p>b) replacement of wheels, if applicable;</p> <p>c) no modifications other than to the manufacturer's instructions shall be made;</p> <p>d) note indicating when self-locking nuts and other self-locking fixings may lose their effectiveness.</p>	Pass



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**Remark:**

1. The softcopy of marking was provided by client.
2. NA = Not applicable.

**Sample Photo(s):**



Sample as received

\*\*\*End of Report\*\*\*

