



Product Service

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Technical Report No. 713282618

Rev. 00

Dated 2023-03-17

Client:	Sutcliffe Play Limited Waggon Lane WF9 1JS Upton, Pontefract
Manufacturing place:	Sutcliffe Play Limited Waggon Lane WF9 1JS Upton, Pontefract
Test subject:	Product: Seats Type: Impact test for SRE490
Test specification:	DIN EN 1176-2:2020 EN 1176-2:2017/AC:2019
Purpose of examination:	<ul style="list-style-type: none">• damping test of swing seats• test according to the test specification
Test result:	The test results show that the presented product is in compliance with the specified requirements.

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1 Description of the Product

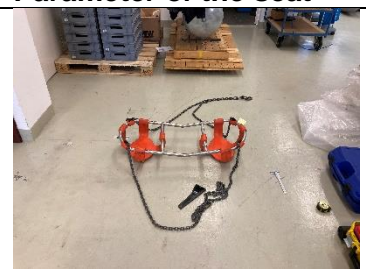
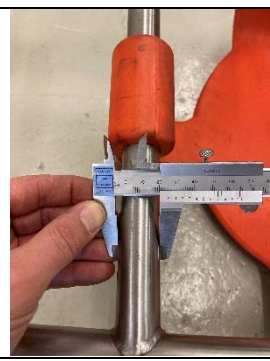
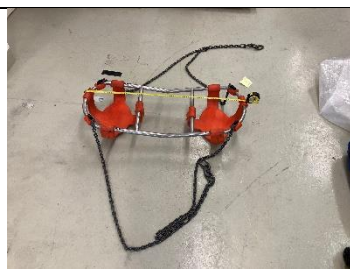

1.1 Function





swing seats for swings

1.2 Consideration of the foreseeable Misuse

- Not applicable
- Covered through the applied standard
- Covered by the following comment
- Covered by attached risk analysis

1.3 Technical Data of Test Sample

Parameter of the seat		
		
SRE490	Diameter 25,5 cm	length 98 cm
		
width 40 cm		

Test set up		
		
	angle of deflection	picture of the impact
		
picture of the impact(from behind)		



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2 Order

2.1 Date of Purchase Order

18.01.2023, Patrick Martin

2.2 Receipt of Test Sample, Location

24.01.2023

2.3 Date of Testing

01.03.2023

2.4 Location of Testing

TÜV SÜD Product Service GmbH, Sylvesterallee 2, 22525 Hamburg, Germany

2.5 Points of Non-compliance or Exceptions of the Test Procedure

None.

3 Test Results

3.1 Test Data

expert	Peters, Christoph	head	manufacturer: HE-Datentechnik Typ HIC@The Beach 017C
client	Sutcliffe Play Limited	data aquisition card	manufacturer: National Instruments NI DAQ USB 9215A
client number	713282618	accelerometer	manufacturer: Entran EGCS3-A-500
test sample	Seats	uncertainty of measurement	± 5,0 %
description of the test sample	Damping test of the seat for two children	test based on	EN 1176-2:2017/AC:2019
test date	01.03.2023 Fehler! V erweisquelle konnte nicht gefunden werden.	note	
test location	Labor Hamburg		
temperature	23,6 °C		
humidity	1020 hPa		
weather conditions	entfällt / Laborversuch		

3.2 Measured Values

measuring sequence	suspension length	HIC	\vec{g}_{Res}	g max in X	g max in Y	g max in Z
1	1,75	-	-	-	-	-
∅	-			-	-	-



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4 Remark

The user manual has been examined according to the minimum requirements described in the product standard. The manufacturer is responsible for the accuracy of further particulars as well as of the composition and layout.

5 Documentation

- Photodocumentation
- Videorecords

6 Summary

The seat was so soft that the trigger threshold of the HIC measuring device could not be exceeded.

The threshold value is 18 g, so the seat is sufficiently damped and technically safe.

TÜV SÜD Product Service GmbH

Engineer

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Technical Report checked

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