

# MECHANICAL ENVIRONMENT OF IK10 IMPACTS TEST REPORT

In accordance with the standards :

NF EN 62262 (2004)  
NF EN 60068-2-75 (2015)

Equipment in tests :

SNA

Company :


STID

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(Company : STID)

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(Including 1 appendix)

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**EQUIPMENT UNDER TESTS:**

- 1 SNA

**Serial Number (S/N): /**

**Part Number (P/N): /**

**MANUFACTURER:** STID

**ORDER NUMBER:** CF11284

**CUSTOMER'S NAME AND ADDRESS:**

<b><u>Company:</u></b>	STID
<b><u>Address:</u></b>	20 PA DES PRADEAUX Boulevard Salvador Allende 13850 Greasque FRANCE
<b><u>Person in charge:</u></b>	Nicolas SOGOYAN

**DATES OF THE TESTS:** Friday the 16<sup>th</sup> of July 2021.

**PLACE OF THE TESTS:** ADETESTS laboratory located in Saint-Chamond (42)

**PERSON IN CHARGE OF THE TESTS:** E.REVERGER

## SUMMARY

1. INTRODUCTION .....	4
2. REFERENCE DOCUMENT .....	4
3. EQUIPMENT UNDER TESTS DESCRIPTION .....	4
4. TESTS PROGRAM .....	4
5. TESTS DESCRIPTION .....	5
5.1 Chronology.....	5
5.2 Functional control verifications .....	5
6. SPATIAL REFERENCE DEFINITION AND FIXATION ON THE TESTS MEANS .....	5
7. FUNCTIONAL CONTROL MATERIAL.....	5
8. TESTS RESULTS .....	6
10.1 IK10 Test.....	6
9. CONCLUSION.....	7
APPENDIX 1: EQUIPMENT UNDER TESTS .....	9

## **1. INTRODUCTION**

This report presents the mechanical tests results of IK10 impacts performed on one SNA presented by STID Company.

## **2. REFERENCE DOCUMENTS**

Standards: NF EN 62262 (2004)  
NF EN 60068-2-75 (2015)

## **3. EQUIPMENT UNDER TESTS DESCRIPTION**

The tests are performed on the following equipment:

- SNA

**Serial Number (S/N): /**

**Part Number (P/N): /**



## **4. TESTS PROGRAM**

The tests are performed following this way:

- IK 10 Tests

On the top face of SNA only.

## 5. TESTS DESCRIPTION

### 5.1 Chronology

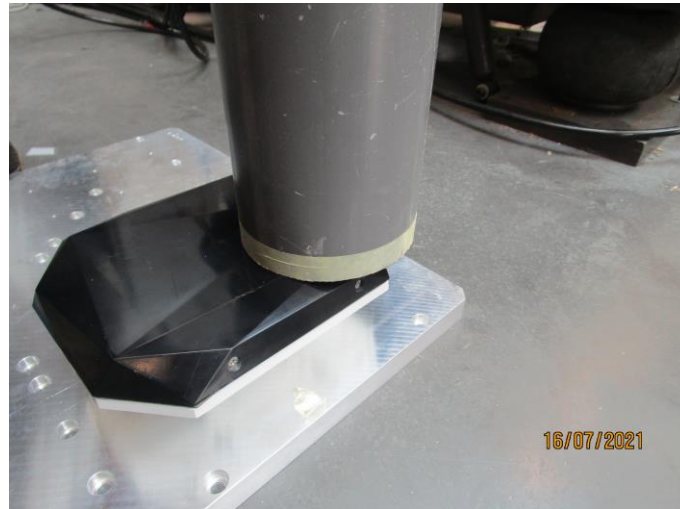
Date/hours (mm/dd/yyyy)	Nomination of the test	Observation(s)	Curves in appendix
07/16/2021 10h04	<b>IK10 Test</b> 5 impacts – Top Face	See §10	Appendix 2

### 5.2 Functional control verifications

A visual inspection of equipment is done before, during and after tests by ADETESTS Company.

## 6. SPATIAL REFERENCE DEFINITION AND FIXATION ON THE TESTS MEANS

The equipment is fastened on a tool interface provided by ADETESTS.



## 7. FUNCTIONAL CONTROL MATERIAL

A visual inspection of equipment is done before, during and after tests by ADETESTS Company.

## 8. TESTS RESULTS

### 8.1 IK10 Test

#### - Schedule

<b>STANDARDS</b>	NF EN 62262 (2004) NF EN 60068-2-75 (2015)
<b>MASS</b>	5 kg
<b>HEIGHT OF IMPACT</b>	400 mm
<b>IMPACT ENERGY</b>	20 J
<b>IMPACT AREA</b>	Top face: 1 impact in each corner and 1 impact in the middle of this face.
<b>TEST METHOD</b>	Vertical hammer (free fall)
<b>NUMBER OF SHOCKS PER FACE</b>	5

#### - Remarks

The equipment is not operating during the tests.

#### - Results

There is no visual degradation on the casing top face.

Pictures of IK10 impacts are presented in APPENDIX 1: EQUIPMENT UNDER TESTS.

## **9. CONCLUSION**

The conclusion of the mechanical environment tests of IK10 impacts is under STID Company responsibility.

The tests were performed in accordance with the reference document.  
(See paragraph 2).

***□□□ End of test report, 1 appendix following □□□***


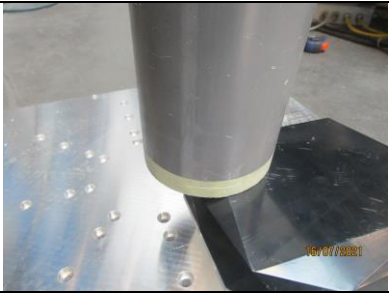


# ***APPENDIX***



**APPENDIX 1: EQUIPMENT UNDER TESTS**

**IK10 impacts test**

Top face: 1 impact in each corner and 1 impact in the middle of this face.

Top face	Area	Top face	Area
1 <sup>st</sup> impact		4 <sup>th</sup> impact	
2 <sup>nd</sup> impact		5 <sup>th</sup> impact	
3 <sup>rd</sup> impact	