

# Harness Impact Pad Report

Inspection certificate number: **PH\_193.2017**

**Manufacturer data:**

**Sample data:**

Manufacturer name:	<b>Gin Gliders Inc.</b>	Name impact pad:	<b>n/a</b>
Representative:	<b>Gin Seok Song</b>	Impact pad integrated:	<b>Yes</b>
Street:	<b>2318-32, Baegok-daero, Mohyeon-myeon</b>	Impact pad type:	<b>Koroyd</b>
Post code place:	<b>Cheoin-gu, Yongin-si, Gyeonggi-do</b>	Serial number:	<b>n/a</b>
Country:	<b>449-851 /South Korea</b>	Weight of sample [kg]:	<b>n/a</b>
		Date of test:	<b>03.05.2017</b>
Harness model:	<b>Genie Race 4 M PH_193.2017</b>		

**Atmosphere AGL:**

[C°]	<b>23.4</b>
RH [%]	<b>37</b>
[hPa]	<b>1019.2</b>

**Summary of Impact pad test <sup>(1)</sup>**

Test id		Test configuration <sup>(2)</sup>	Max Peak of Impact [g] <sup>(3)</sup>	Duration at 38 [g] in [ms] <sup>(4)</sup>	Duration at 20 [g] in [ms] <sup>(5)</sup>	Diff. of test 1 and 2 [%] <sup>(6)</sup>	Result
P	V	Test sample attached to dummy in flying position, without emergency parachute	<b>40.44</b>	<b>1.67</b>	<b>18.33</b>	<b>4.13</b>	<b>POSITIVE</b>
PR	V	Test sample attached to dummy in flying position, Include emergency parachute	<b>45.70</b>	<b>6.67</b>	<b>18.33</b>	<b>1.86</b>	<b>POSITIVE</b>

Manufacture	Instrument	Type no	S/N	Validity Calibration
Burster/MTS	Accelerometer 100 g	89010-100	1263567	04.08.2020
JDC elec	Geos n°11 Skywatch	Geos n°11	22	08.05.2019

The validation of this test report is given by the signature of the test manager on the Inspection Certificate no 94.20

<sup>(1)</sup> Calculated value in tests reports include the value minus the uncertainty (on safe side) / The uncertainty stated is the expanded uncertainty obtained by multiplying the standard uncertainty by the coverage factor k = 2. The value of the measurand lies within the assigned range of values with a probability of 95%.

<sup>(2)</sup> The dummy is lifted minimum up to 1.65 m, and impact pad is mounted on. Where the impact occurs, measure distance from bottom of impact pad to ground.

<sup>(3)</sup> Maximum peak of impact should be less or equal to 50 [g], <sup>(4)</sup> If any, the maximum duration in at 38 [g] should be less or equal to 7 [ms], <sup>(5)</sup> If any, the maximum duration in at 20 [g] should be less or equal to 25 [ms]. <sup>(6)</sup>The test should be done twice, and the 2nd test the maximum peak should not differ more than 20% from the first test, maximum peak.

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Name impact pad: **n/a**

**Test results of Impact pad test**

	without emergency parachute		include emergency parachute	
	P1	P2	PR1	PR2
Maximum Peak of impact [g]	<b>38.83</b>	<b>40.44</b>	<b>43.84</b>	<b>45.70</b>
Impact duration at +38 [g] in [ms]	<b>0.00</b>	<b>1.67</b>	<b>5.83</b>	<b>6.67</b>
Impact duration at +20 [g] in [ms]	<b>17.50</b>	<b>18.33</b>	<b>18.33</b>	<b>16.67</b>
Uncertainty k=2[g]	<b>2.27</b>	<b>2.37</b>	<b>2.57</b>	<b>2.68</b>
Difference of test 1 and 2 [%]	<b>100.00</b>	<b>104.13</b>	<b>100.00</b>	<b>104.24</b>

