



Test report Kite security system

tested and certified after NF S52-503

Manufacturer Crazy Fly s.r.o.
Adresse: gen. M. R. Stefanika 19
911 01 Trencin
Slovakia

Cert.no. KS 004.2013
Model: Sick Bar / Chicken
Place/date: Villeneuve, 09.09.2013

minimum weight 35 kg
maximum weight 100 kg

Complete System

Test id.

1 4.3.1.1 Verify installation of complete system; Main release, 2nd release and power system

In the report: Main release → chicken loop & 2nd release → Leash release

Remarks if not according to user manual.

2 4.3.1.2.1 Test the complete system (new) at 15 daN

Main release

OK

2nd release

not applicable

Power adjustment

OK

3 4.3.1.2.2 Test the complete system (new) at 2 times the maximum weight 10 power-ups

OK

Security System

4 4.3.1.3.2 Accessibility

at 15°

OK

at 45°

OK

Horizontally

OK

5 4.3.1.3.3 Releasing or accidental disconnection in load of 10 daN

It is verified that main release and 2nd release can not be activated unexpectedly

OK

6 4.3.1.3.4 Implementation with a load of 10 daN

at 15°

OK

at 45°

OK

Horizontally

OK

7 4.3.1.3.4.1 Single Action of both release system

Main release & 2nd release

at 15°

Main Release

2nd release

OK

not applicable

at 45°

OK

not applicable

Horizontally

OK

not applicable

3.1.4.5.1 and 3.1.4.5.2

8 4.3.1.3.4.2 Axis implementation

Verify that the ergonomics and kinematics of the axis of implementation

Verify the systems are properly marked

OK





9 4.3.1.3.4.3 Area Implementation with a load of 10 daN

- to 15 ° from the vertical
- to 45 ° from the vertical
- to horizontal

OK
 OK
 OK

Verify that the implementation of the control has no significant risk to the rider.

Main Release System

10 4.3.2.1.1 Measuring releasing time < 2s at maximum weight

- 15 ° from the vertical
- horizontally

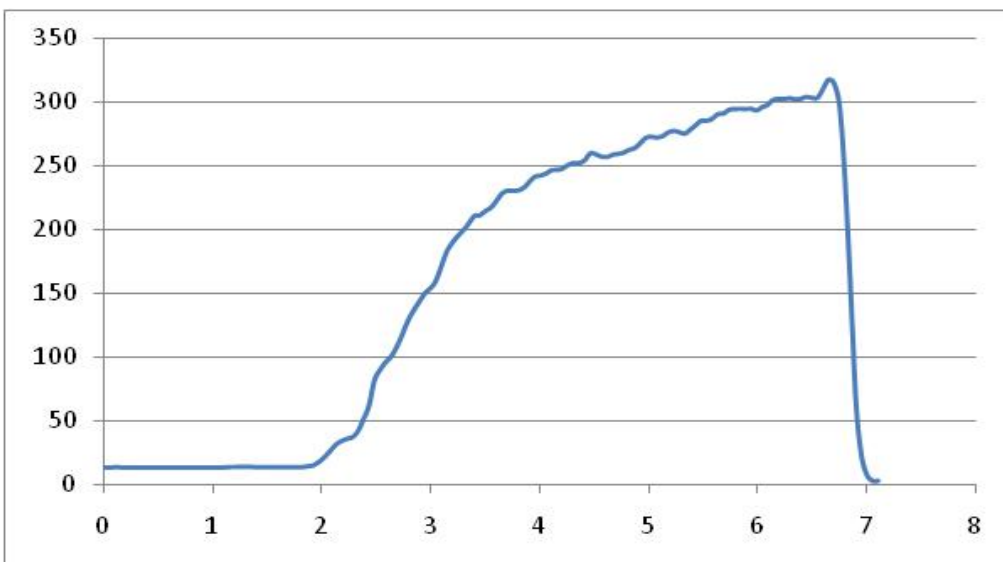
OK
 OK

Each test is repeated 5 times

11 4.3.2.1.2 Overload the System upto 3 times maximum weight

- tension gradually 3-6 seconds

OK





12 4.3.2.1.3 Deploy the security control, measuring of time and force

deploy force less than 10 daN and < 0.5s

2 times the maximum weight

6 kg

1.5 times the maximum weight

4 kg

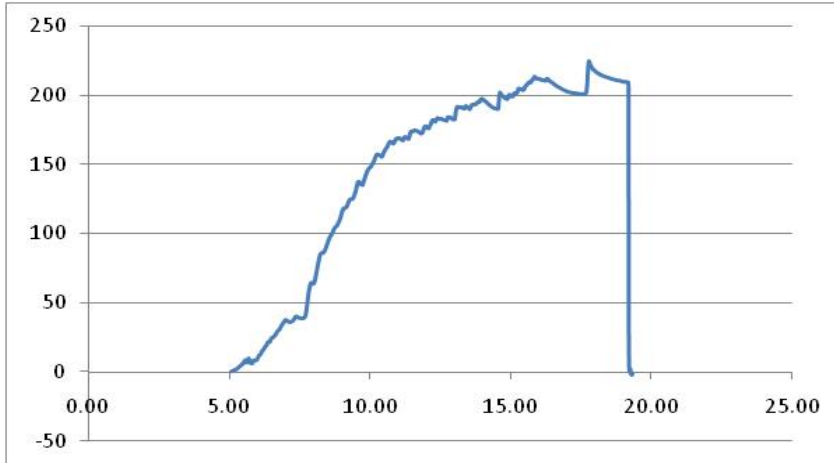
the maximum weight

3 kg

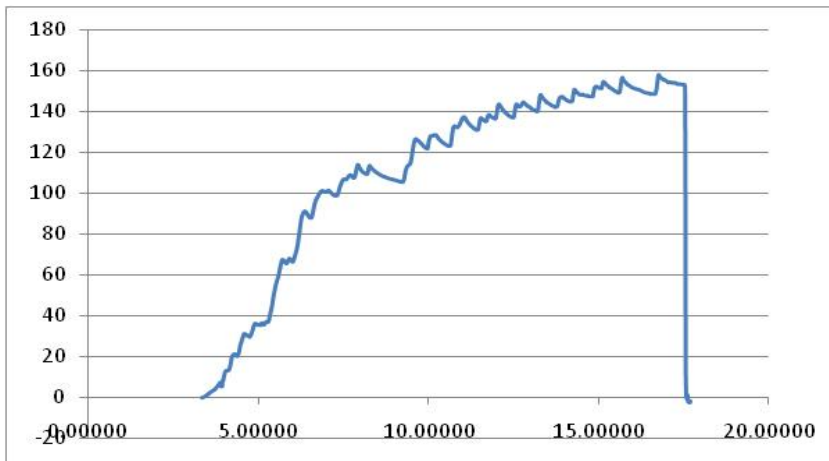
15 daN

2 kg

2xmax kg

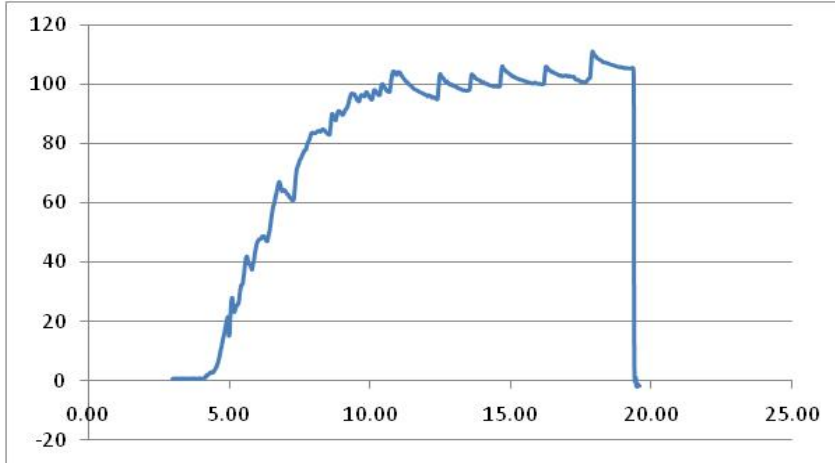


1.5xmax kg





max kg





| | | | |
|----|---|------------------------------|--------|
| 13 | 4.3.2.1.3 / In a dry environment, test done without cleaning | # 2 times the maximum weight | 10 kg |
| | | # 15 daN | 5 kg |
| 14 | 4.3.2.1.3 / In wet environment, test done without cleaning, drying | # 2 times the maximum weight | 10 kg |
| | | # 15 daN | 2 kg |
| 15 | 4.3.2.1.3 / In cold environment, test done without drying | # 2 times the maximum weight | 7.5 kg |
| | | # 15 daN | 2 kg |

2nd Release System

| | | | |
|----|---|--------------------------------|----------------|
| 16 | 4.3.2.2.3 Deploy the security control, measuring of time and force deploy force less than 10 daN and < 0.5s | # 1.5 times the maximum weight | not applicable |
| | | # the maximum weight | not applicable |
| | | # 15 daN | not applicable |

1.5xmax kg

1xmax kg

15daN

| | | | |
|----|---|--------------------------------|----------------|
| 17 | 4.3.2.2.3 / In a dry environment, test done without cleaning | # 1.5 times the maximum weight | not applicable |
| | | # 15 daN | not applicable |
| 18 | 4.3.2.2.3 / In wet environment, test done without cleaning, drying | # 1.5 times the maximum weight | not applicable |
| | | # 15 daN | not applicable |
| 19 | 4.3.2.2.3 / In cold environment, test done without drying | # 1.5 times the maximum weight | not applicable |
| | | # 15 daN | not applicable |

Information





Environments physicochemical

13&17 4.3.1.3.5.1 In a dry environment

The test specimen is mixed with dry sand for 10 s in the sand tray.

14&18 4.3.1.3.5.2 In wet environment

The test specimen is immersed in a bath of salt water at 10% and sanded to 75% of its volume. It is mixed for 10 s.

15&19 System is placed for two hours at -18 degrees celcius.

The material is wetted by spraying water before placed in cold environment

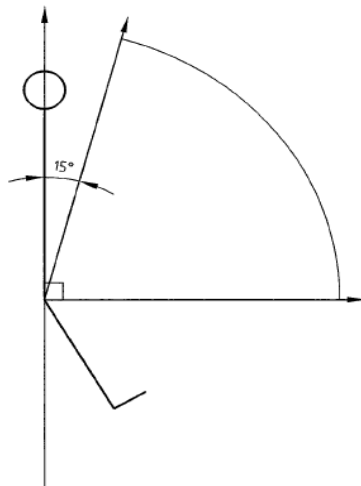


Figure 1 — Exemple de situations considérées comme prévisibles d'utilisation du système de sécurité

Figure 1: Example situations considered foreseeable use of the security system