

Test Report

This test report describes the test results of the below mentioned paragliding harness.

All the tests were carried out by:

Air Turquoise SA, official test laboratory of Switzerland



Standards

Tests were carried out in conformity with the following standards:

- 2. DV LuftGerPV §1, Nr. 7 c (*note: in what follows this will be abbreviated by "LTF")
- European Standard EN1651 September 1999 (*note in what follows this will be abbreviated by "EN")
- European Standard EN12491 September 2001 (*note in what follows this will be abbreviated by "EN12491")

Harness details

Manufacturer: Harness model: Size: Harness Weight: Maximum certified pilot Impact protection type:	Sky Paragliders a.s. Revel 2 Medium 4.7 kg 100 kg Mousse bag 17 cm sa
Harness type:	ABS
Test responsible:	Alain Zoller
Test place:	Villeneuve
Test date:	May 02, 2011
Test room temp & humidity:	20,6° C; 27 %rel
Certification number EN:	PH 022.2011
Certification number LTF:	GZ 022.2011

The management system governing the provision of this test service is ISO 9001 certified:



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Test summary

A. STRUCTURAL STRENGHT TESTS

A test plan was set up in order to execute the different tests in an efficient order. The table below summarizes this test plan together with the applicable standards and results.

	Standa	ard Ref.	٩	Anchoring		Forces		Min.	
TESTED ?	EN	LTF	TEST setu	Attach - ment points	Attach -		Min. force [N]	Test durati on [sec]	Result
✓ ✓	5.3.2.1	4.2.1.a	Default flying position	2 main attachment points	Hip fixated	6g 9g 15g	6000 9000 15000	10 5	ОК
✓ ✓	5.3.2.7	4.2.1.b	Default, landing position	2 main att. points	Hip fixated, landing conf.	6g 15g	6000 15000	10 5	OK OK
	5.3.2.4	4.2.1.a rescue 4.2.1.b	Rescue Rescue,	2 rescue att. Pnts.	Hip fixated Hip fixated,	9g 15g 6g	9000 15000 6000	10 5 10	ОК ОК ОК
~	5.3.2.3	Tescue	One riser	ONE main att.	1 central hip fixation	6g	6000	10	ОК
	5.3.2.5	4.2.1.d	Towing	2 main att. + 2 tow att.	None	3g 5g	3000 5000	10	n∕t
~	5.3.2.6		Default, Negatif	One main att.	Head fix.	4.5g	4500	10	ОК
✓ ✓		4.2.1.c 4.2.1.c rescue	Upside down Upside down	2 main att. downw. 2 rescue att. downw.	Head fix.	6g 6g	6000 6000	10 10	ОК ОК
	A A A A A A A A A A A A A A A A A	S2 5.3.2.1 ✓ 5.3.2.2 ✓ 5.3.2.2 ✓ 5.3.2.7 ✓ 5.3.2.7 ✓ 5.3.2.4 ✓ 5.3.2.3 ✓ 5.3.2.5	SQ 5.3.2.1 4.2.1.a 5.3.2.2 4.2.1.b 5.3.2.7 4.2.1.b 5.3.2.7 4.2.1.b 5.3.2.7 4.2.1.b 5.3.2.7 4.2.1.b 5.3.2.7 4.2.1.b 5.3.2.4 4.2.1.b 5.3.2.5 4.2.1.b 5.3.2.3 4.2.1.b 5.3.2.5 4.2.1.d 5.3.2.5 4.2.1.d 5.3.2.5 4.2.1.d 5.3.2.6 4.2.1.c	SPS.3.2.1A.2.1.aDefault flying position5.3.2.24.2.1.aDefault, flying positionImage: Strain s	ENLIFENAttach - ment points5.3.2.14.2.1.aDefault flying position2 main attachment points5.3.2.24.2.1.bDefault, landing position2 main att. points5.3.2.74.2.1.bDefault, landing position2 main att. points5.3.2.74.2.1.bDefault, landing position2 main att. points5.3.2.74.2.1.a rescueRescue, landing2 main att. points5.3.2.44.2.1.b rescueRescue, landing0NE main att.5.3.2.30ne riserONE main att.5.3.2.54.2.1.d rescueTowing2 main att. + 2 tow att.5.3.2.6Default, NegatifOne main att. down2 main att. downw.4.2.1.cUpside down2 main att. down2 rescue att. downw.	ENLirENAttach - ment pointsDummy5.3.2.1Attach - ment points4.2.1.aDefault flying position2 main attachment pointsHip fixated5.3.2.24.2.1.aDefault flying position2 main attachment pointsHip fixated, landing conf.4.2.1.bDefault, landing position2 main att. pointsHip fixated, landing conf.5.3.2.74.2.1.aRescue rescue2 rescue att. Pnts.Hip fixated, landing conf.4.2.1.bRescue, landing2 rescue att. Pnts.Hip fixated, landing conf.5.3.2.3One riserONE main att.1 central hip fixation5.3.2.34.2.1.dTowing Default, None2 main att. + 2 tow att.None5.3.2.6Attach Attach LandingOne main att. downHead fix.4.2.1.cUpside down2 main att. downw.Head fix.	L b bENL I LE b CAttach - ment pointsDummy Load in g✓5.3.2.1Jefault 4.2.1.aDefault flying position2 main attachment pointsHip fixated 9g 15g6g 9g 9g 15g✓5.3.2.2Jefault 4.2.1.bDefault flying position2 main attachment pointsHip fixated (anding conf.)6g 9g 15g✓5.3.2.7Jefault 4.2.1.aDefault, landing position2 main att. pointsHip fixated, (anding conf.)6g✓5.3.2.7Jefault rescueRescue landing2 rescue att. Phts.Hip fixated, (anding conf.)9g✓5.3.2.3One riserONE main att.1 central hip fixation6g✓5.3.2.5Jefault, rescueDefault, None3g✓5.3.2.6Default, NoneOne main att.1 central hip fixation6g✓5.3.2.6Default, NoneOne main att.4.2.1.d3g✓5.3.2.6Default, NegatifOne main att.4.2.d3g✓5.3.2.6Default, NegatifOne main att.Head fix.4.5g✓5.3.2.6Upside down2 rescue att.Head fix.6g✓4.2.1.cUpside down2 rescue att.Aug6g	LeftLiffLiffAttach - ment pointsDummyKeq. Load in gMin. force g $<$ 5.3.2.1Default flying position2 main attachment pointsHip fixated points6g6000 9g $<$ 5.3.2.2Default, flanding position2 main attachment pointsHip fixated, landing conf.6g6000 $<$ 4.2.1.bDefault, landing position2 main att. pointsHip fixated, landing conf.6g6000 $<$ 4.2.1.bDefault, rescue2 main att. pointsHip fixated, landing conf.6g6000 $<$ 4.2.1.bRescue, landing2 rescue att. Phts.Hip fixated, landing conf.6g6000 $<$ 5.3.2.3One riserONE main att.1 central hip fixation6g6000 $<$ 5.3.2.5Cone riserONE main att.1 central hip fixation6g6000 $<$ 5.3.2.6Default, NegatifOne main att.Head fix.4.5g4500 $<$ 5.3.2.6Default, NegatifOne main att.Head fix.4.5g4500 $<$ 4.2.1.cUpside down2 main att. downw.Head fix.6g6000	LeftLeftEq.Attach - ment pointsDummyReq. LoadMin. force in gMultation in g \times 5.3.2.1 \square Default flying position2 main attachment points Hip fixated $15g$ $6g$ $9g$ $9g000$ 60000 10 \times 5.3.2.2 \square \square \square 2 main attachment position Hip fixated $15g$ $6g$ $15g$ 60000 100 10 \checkmark $A.2.1.b$ $5.3.2.7$ \square \square 2 main att. position Hip fixated, 10000 $6g$ 60000 100 \checkmark $A.2.1.b$ rescue \square \square Position 2 main att. position Hip fixated, 100000 $6g$ 60000 100 \checkmark $A.2.1.b$ rescue \square Rescue, landing 2 main att. Position Hip fixated, $1anding conf.9g90000100\checkmarkA.2.1.brescue\squareRescue,landing\squarePosition<$

B. HARNESS PROTECTION SHOCK TEST

Most paraglider harnesses are equipped with a protection device that damps the shock on the pilot's spine during a hard landing.

Shock impact tests have to be executed on these harnesses in order to prove the damping characteristics of it.

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				Ancl	horing		Impac	t		
Test ID	TESTED ?	Standa rd Ref.: LTF		Attach- ment points	Dummy	Max. tolerated peak impact in g	Max Peak impact measured	Impact duration of +38 g (if any) recorded:	Impact duration of +20 g (if any) recorded:	Result
PRO TECT 1	~	5.1.1	Default flying position	the harness	v is attached to s like a pilot in ight.	+50g	34.46	0	0.018	ОК

C. RESCUE DEPLOYMENT RESISTANCE TEST

The deployment of the rescue system has to be ensured in all circumstances of flight. This test is to verify whether the force needed to deploy is in between reasonable limits.

Test ID	'ESTED ?	Standa rd Ref. LTF	IEST setup	Anc Attach- ment points	horing Au	Force for sir Min. force [N]	ngle han wax. force [N]	Resistance measured	Result
			r-	Test responi	sble is attached			[daN]	<u> </u>
Resc	~	6.1.5	Default flying	to the harne	ss like a pilot in ight.		70 N	n/t	ОК
depl			position	(no dumr	ny required)				

D. RESCUE DEPLOYMENT STRAP STRENGHT TEST

The connection between handgrip and inner container has to have sufficient load capacity/structural strength in any situation that may arise during normal use. During this test is verified, whether this connection fulfill the requirements.

Test ID	TESTED ?	Standa LTF	ard Ref. EN 12491	TEST setup	Minimum force [N]	Min. Test durati on [s]	Breaking resistance measured	Result
Resc strap	>	6.1.8	5.3.2	Connection strap in tensile testing machine	700N	10	n/t	OK

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After careful examination as explained in above mentioned test reports (from page 2 to page 18), the undersigned persons declare that the harness:

Sky Paragliders a.s. Revel 2 Medium

Complied with:

• European Standard EN 1651 September 1999

And / or (if tested)

• European Standard EN 12491 March 2001

And / or (if tested)

• 2. DV LuftGerPV §1, Nr. 7 c

Villeneuve, May 02, 2011

Alain Zoller

Place, Date

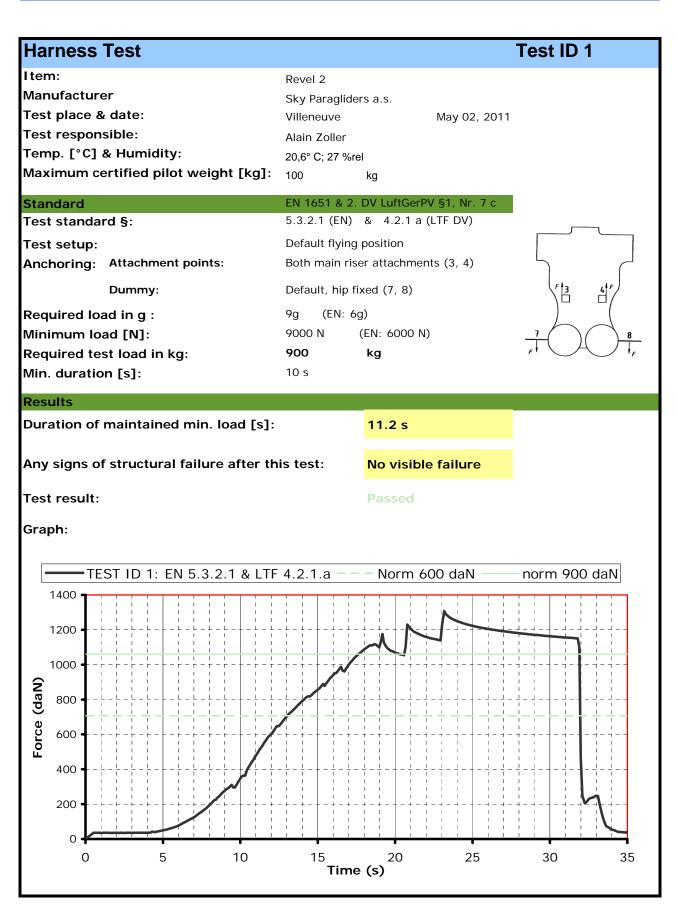
Test responsible

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Annex: detailed test reports





Harness Test	Test ID 2
Item: Manufacturer Test place & date: Test responsible: Temp. [°C] & Humidity: Maximum certified pilot weight [kg]:	Revel 2 Sky Paragliders a.s. Villeneuve May 02, 2011 Alain Zoller 20,6° C; 27 %rel 100 kg
Standard Test standard §: Test setup: Anchoring: Attachment points: Dummy: Required load in g: Min load [N]: Required test load in kg: Min. duration [s]: Results	EN 1651 $5.3.2.2$ Default flying positionBoth main riser attachments (3, 4)Default, hip fixed (7, 8)15g15 000 N 15001500kg 5s
Duration of maintained min. load [s]: Any signs of structural failure after thi Test result: Graph:	Passed
TEST ID 2: EN	Norm 1500 daN
25.0 45.0 65.0) 85.0 105.0 125.0 Time (s)



Harness Test			Test ID 3
Item: Manufacturer Test place & date: Test responsible: Temp. [°C] & Humidity: Maximum certified pilot weight [kg]:	Revel 2 Sky Paragliders a Villeneuve Alain Zoller 20,6° C; 27 %rel 100	.s. May 02, 2011 kg	
Standard	2. DV LuftGerPV	§1, Nr. 7 c	
Test standard §:	4.2.1.b		
Test setup: Anchoring: Attachment points:	board (11) in land straps (10) closed	1. riser attachments	3/4
Dummy:	Default, hip fixed		10
Required load in g:	6	g	7/8 11
Min load [N]:	6000 N	~	10 IF
Required test load in kg:	600	kg	
Min. duration [s]:	10 s		
Results			
Duration of maintained min. load [s]:		23 s	
Any signs of structural failure after thi	s test:	No visible failure	
Test result:		Passed	
Graph:			
	4.2.1.b	Norm	500 daN
900 800 700 600 500 400 300 200 5 10 15 10 15 20	25 Time (s)		40 45 50



Harness Test	Test ID 4
Item: Manufacturer Test place & date: Test responsible: Temp. [°C] & Humidity: Maximum certified pilot weight [kg]	Revel 2 Sky Paragliders a.s. Villeneuve May 02, 2011 Alain Zoller 20,6° C; 27 %rel]: 100 kg
Standard	EN 1651
Test standard §:	EN 5.3.2.7
Test setup: Anchoring: Attachment points:	Flying position before landing: seat board (11) in landing position, leg straps (10) closed. Both of the main riser attachments attached (3 and 4);
Dummy:	Default, hip fixed (7, 8)
Required load in g:	15 g
Min load [N]:	15 000 N
Required test load in kg: Min. duration [s]:	1500 kg 5 s
Results	
Duration of maintained min. load [s]: 7.2 s
Any signs of structural failure after	this test: No visible failure
Test result:	Passed
Graph:	
TEST ID 4: E	N 5.3.2.7 — Norm 1500 daN
1600	
1400 •	
1200	
2 1000 •	
9 9 9 9 9 9 9 9 9 9	
200 •	
5.0 25.0 45.0	65.0 85.0 105.0 125.0 145.0
	Time (s)



Harness Test			Test ID 5
I tem: Manufacturer Test place & date: Test responsible: Temp. [°C] & Humidity: Maximum certified pilot weight [kg]:	Revel 2 Sky Paragliders a.s. Villeneuve Alain Zoller 20,6° C; 27 %rel 100 kg	May 02, 2011	
Standard Test standard §:	2. DV LuftGerPV §1, N 4.2.1.a rescue	Ir. 7 c	E, E
Test setup:	Rescue attachments		
Anchoring: Attachment points:	Rescue riser attachme	ents (1,2)	
Dummy:	Hip fixed (7, 8)		
Required load in g: Min load [N]:	9 g 9 000 N		7 6 8
Required test load in kg: Min. duration [s]:	900 kg 10 s		FT TF
Results			
Duration of maintained min. load [s]:	<mark>14 s</mark>		
Any signs of structural failure after thi	s test: No vis	ible failure	
Test result:	Passed	k	
Graph:			
	2.1.a.rescue		Norm 900 daN
1400			
2			
E C C C C C C C C C C C C C C C C C C C	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$-\begin{array}{ c c c c c c c c c c c c c c c c c c c$	
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400 • • • • • • • • • • • • • • • • • •			
		• • • • •	
0 5 10 15	20 25 3 Time (s)	30 35	40 45 50



Harness Test				Test ID 6
Item: Manufacturer Test place & date: Test responsible: Temp. [°C] & Humidity: Maximum certified pilot weight [kg]:	Revel 2 Sky Paraglide Villeneuve Alain Zoller 20,6° C; 27 %re		May 02, 2011	
Standard	EN 1651			
Test standard §:	5.3.2.4			
Test setup:	Rescue attach	iments		
Anchoring, Attachment points,	Rescue riser a	ttachmonto	(1.2)	
Anchoring: Attachment points:	Rescue riser a	ittachments	5 (1,2)	
Dummy:	Hip fixed (7, 8	3)		$\langle \rangle$
Required load in g:	15	g) (
Min load [N]:	15 000 N			7
Required test load in kg:	1500	kg		FI A TF
Min. duration [s]:	5 s			
Results				
Duration of maintained min. load [s]:		7.2 s		
Any signs of structural failure after th	is test:	No visib	le failure	
Test result:		Passed		
Graph:				
	EN 5324		Norm 15	00 daN
1800				
1600 •				
â 1200 •	-+- -+- -+- 			
ÿ 1000 •				
a 800 b b b b b b b b b c c c c c c c c c c				
e 600 e				
400				
200				
• • •		120.0		40.0 180.0
20,0 40.0 60.0 80	0.0 100.0	120.0	140.0 1	00.0 180.0
20.0 40.0 60.0 80	0.0 100.0 Time	120.0 (s)	140.0 1	60.0 180.0



Harness Test				Test ID 7
Item: Manufacturer Test place & date: Test responsible: Temp. [°C] & Humidity: Maximum certified pilot weight [kg]:	Revel 2 Sky Paraglide Villeneuve Alain Zoller 20,6° C; 27 %re		May 02, 2011	
Standard	2. DV LuftGer	rPV §1, N	т. 7 с	F,
Test standard §:	4.2.1.b rescu	е		1/2
Test setup: Anchoring: Attachment points: Dummy:	Flying position board (11) in straps (10) cl Both of the re attached (1 a Default, hip fi	landing p losed. escue rise and 2);	oosition, leg r attachments	
Required load in g:	6)	10
Min load [N]:	6 000 N	g		L
Required test load in kg:	600	kg		7/8 F
Min. duration [s]:	10 s	·		U
Results				
Duration of maintained min. load [s]:		14.5 s		
Any signs of structural failure after the	nis test:	No visi	ble failure	
Test result:		Passec		
Graph:				
TEST ID 7: LTF	4.2.1.b.res	cue	No	rm 600 daN
900				
800		+ - + + -		
800 • + - + - + + - + - + - + - +				
700				
700				
700				
700 •				
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700				
700 • · · · · · · · · · · · · · · · · · ·	30 35		40 45	50 55
700 600 500 500 400 300 200 100 0	30 35 Time		40 45	50 55



Harness Test				Test ID 8
Item: Manufacturer Test place & date: Test responsible: Temp. [°C] & Humidity: Maximum certified pilot weight [kg]:	Revel 2 Sky Paraglider Villeneuve Alain Zoller 20,6° C; 27 %ret 100		May 02, 2011	
Standard	EN 1651			
Test standard §:	5.3.2.3			
Test setup:	Only one riser	attached		\sim
Anchoring: Attachment points:	One main rise	⁻ attachme	nts (3)	
Dummy:	Hip fixed (7, 8	-> 12)		$\sim \sim$
Required load in g:	6	g		γ
Min load [N]:	6 000 N			12
Required test load in kg:	600	kg		i F
Min. duration [s]:	10 s			
Results				
Duration of maintained min. load [s]:		13.3 s		
Any signs of structural failure after th	is test:	No visib	le failure	
Test result:		Passed		
Graph:				
	3.2.3		Norm	n 600 daN
700 600 500 400 300 200 100 50.0 70.0 90.0	110.0	130.0	150.0	170.0
	Time (s)		



ltem: Manufacturer	Revel 2				
Test place & date: Test responsible: Temp. [°C] & Humidity: Maximum certified pilot weight [kg]:	Sky Paraglide Villeneuve Alain Zoller 20,6° C; 27 %r 100		May 02, 2011		
Standard	EN 1651				
Test standard §:	5.3.2.6			I	I.F.
Test setup:	Normal flying	position ir	n NEGATIF	\bigwedge	<u></u> 9
Anchoring: Attachment points:	ONE of the mattached dow			5	
Dummy:	Dummy anch (9)	ored at the	e head position)	3/4
Required load in g:	4.5	g		\bigwedge	
Min load [N]: Required test load in kg:	4500 N 450	kg		\mathcal{L}	
Min. duration [s]:	450 10 s	<u>ч</u> я			F
Results					
Duration of maintained min. load [s]:		<mark>15.1 s</mark>			
Any signs of structural failure after this test: No visible failure					
Test result:		Passed			
Graph:					
TEST ID 10: EN	15.3.2.6	-	Norm 45	0 daN	
500 q					 : :]]
450 -					
400 •				+-	
350		_		+-	
		 		+ -	-
B 300 2 50 2 50 2 00 2 0		 		+ -	
		 +			
150	<u> </u>	; ; ;			
0	55.0	75.0	0	5.0	115.0
15.0 35.0	55.0	75.0	9.	5.0	115.0



Harness Test			Test ID 11
Item: Manufacturer Test place & date: Test responsible: Temp. [°C] & Humidity: Maximum certified pilot weight [kg]:	Revel 2 Sky Paragliders a.s. Villeneuve Alain Zoller 20,6° C; 27 %rel 100 kg	May 02, 2011	
Standard	2. DV LuftGerPV §1	, Nr. 7 c	
Test standard §:	4.2.1.c		<u></u> 9
Test setup: Anchoring: Attachment points:	Pilot upside down flying position Both of the main riser attachments attached downwards (3 and 4);		
Dummy:	Dummy anchored a		3 4
Required load in g:	6 g		
Min load [N]:	6 000 N		
Required test load in kg: Min. duration [s]:	600 kg 10 s		(\mathcal{A})
Results			
Duration of maintained min. load [s]:	<mark>14 s</mark>	;	
Any signs of structural failure after th	is test: No v	isible failure	
Test result:	Pass	sed	
Graph:			
TEST ID 11: LT	F 4.2.1.c	Nor	m 600 daN
900		+-+	
800			
700 •			
υ 500			
<u> </u>			[
600			
300			
300 •			
300			
300 •	20	30	40 50



Harness Test				Test ID 12
Item: Manufacturer Test place & date: Test responsible: Temp. [°C] & Humidity: Maximum certified pilot weight [kg]:	Revel 2 Sky Paragliders Villeneuve Alain Zoller 20,6° C; 27 %rel 100		May 02, 2011	
Standard	2. DV LuftGerP	V §1, Nr. 7	C	
Test standard §:	4.2.1.c rescue			1
Test setup: Anchoring: Attachment points:	Pilot upside down flying position Both of the rescue riser attachments attached downwards (1 and 2);			
Dummy:	Dummy anchor (9)	red at the h	ead position	
Required load in g: Min load [N]: Required test load in kg: Min. duration [s]:	6 6 000 N 600 10 s	g kg		
Results				
Duration of maintained min. load [s]:		13.8 s		
Any signs of structural failure after thi	is test:	No visibl	e failure	
Test result:		Passed		
Graph:				
The first in the formation of the format				



Protector sho	ock test	Test ID Protect 1		
Item: Manufacturer Test place & date: Test responsible: Temp. [°C] & Hun	:	Revel 2 Sky Paragliders a.s. Villeneuve May 02, 2011 Alain Zoller 20,6° C; 27 %rel 100 kg 2. DV LuftGerPV §1, Nr. 7 c 5.1.1		
Test setup:		 Harness attached to protector test dummy, in a similar way like a real pilot in flight. Impact will be simulated by dropping the dummy from a certain height (with and without reserve). To simulate the "in-flight" conditions, the airbag is inflated with pressurized air equalling an airspeed of 7m/s. Inflation has to be stopped at least 5 sec before impact. Impact will be measured by an accelerometer mounted on the dummy. (Impact measured in g's) 		
Requirements:	Minimun height: Impact requirements:	 1.65 m (between lowest point test dummy and impact surface) +50g as absolute maximum; +38g during less than 7 msec; +20g during less than 25 msec. 		
Results Shock test 1:	Repetitions:	The test will be performed 2 times, minimum 1 hour and maximum 2 hours after the first impact (with airbag protectors this pause is not necessary). The 2 Max-values should not differ more than 20%		
Impact at a heigh	t of 1.65m:	34.46		
Impact duration of + 38 g (if any):				
Impact duration c	of +20 g (if any):	0.018 Δ < 20 % ?		
Shock test 2:				
Impact at a heigh	t of 1.65m:	37.764		
Impact duration of+ 38 g (if any):				
Impact duration of +20 g (if any):		0.017		
Test Result:		Passed		

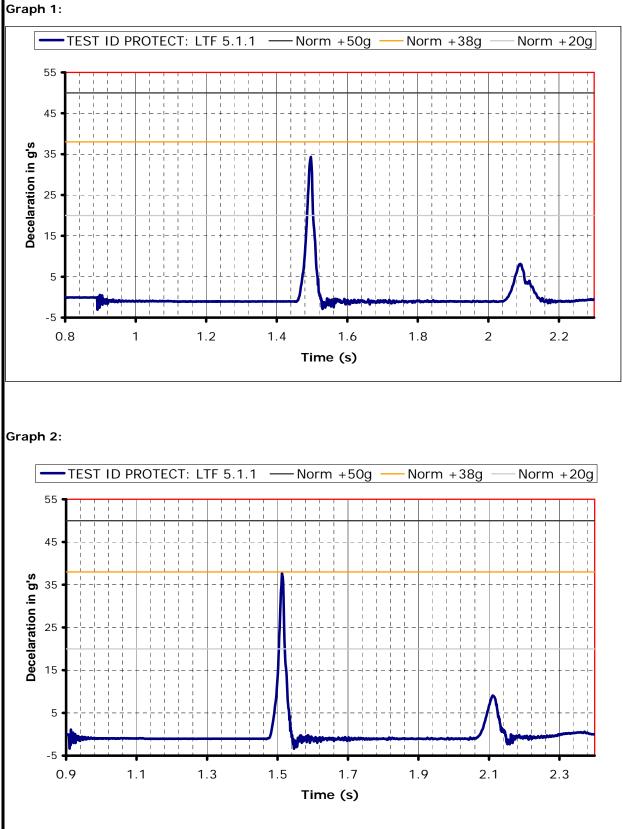


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PD





Test ID resc **Rescue deployment resistance test** Item: Revel 2 Manufacturer Sky Paragliders a.s. Test place & date: Villeneuve May 02, 2011 Test responsible: Alain Zoller Temp. [°C] & Humidity: 20,6° C; 27 %rel Maximum certified pilot weight [kg]: 100 kg Standard 2. DV LuftGerPV §1, Nr. 7 c Test standard §: 6.1.5 Test setup: The deployment of the rescue system has to be ensured in all circumstances, especially with a damaged glider. The pilot has to be able to deploy the rescue chute with a single pull out of the outer container, single handed and in an anatomical favorable direction. In order to simulate this, the test responsible deploys the rescue seated in the harness. In a similar way as in real flight. The deployment resistance is approximately measured by the load cell, which is placed between the hand of the test responsible and the rescue hand grip. On the other hand inadvertent deployment has to be fairly remote. Therefore a shear link has to withstand a minimum load. Max force for single **Requirements:** hand deployment: approx. 70 N Min force to prevent unwanted opening: approx. 20 N Results Measured peak to peak required force 5.1 daN for deployment [daN]: Comment: Passed Graph: TEST ID rescue deployment 1 Max 7 daN - Min 2 daN 7 6 ^oulling force in daN 5 4 3 2 1 0.40000 0.50000 0.60000 0.70000 0.80000 0.90000 1.00000 1.10000 1.20000 1.30000 1.40000 Time (s)



Rescue deployment strap stre	ength test Test ID resc strap
l tem: Manufacturer Test place & date: Test responsible: Temp. [°C] & Humidity: Maximum certified pilot weight [kg]:	Revel 2 Sky Paragliders a.s. Villeneuve May 02, 2011 Alain Zoller 20,6° C; 27 %rel 100 kg
Standard	EN 12491 & 2. DV LuftGerPV §1, Nr. 7 c
Test standard §:	5.3.2 (EN 12491) & 6.1.8 (LTF)
Test setup:	The handgrip of the outer container has to be connected to the inner container with a removable loop in a way that it is possible to use the inner container with different types of outer containers. The connection between handgrip and inner container has to have sufficient load capacity/structural strength in any situation that may arise during normal operation. In order to verify this, the connection is tested on its tensile strength by a default tensile testing setup. In addition to this the breaking resistance will also be measured.
Requirements: Min. tensile strenght for 10 s:	
Results	
Duration of maintained load [s]:	10.1 s
Breaking resistance [daN]:	90
Comment: Graph:	Passed
TEST ID rescue stra	p strenght — Min 70 daN

