

SWING Flugsportgeräte GmbH

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Revision: 1.2
Date: 18.08.2021

MILURA RS
MILURA RS E

Service- Kontrollheft
Maintenance and Service Book
Contrôle et Feuille de Service


Technische Daten - technical data - fiche technique
MIURA RS

LTF / EN Homologation LTF / EN Klassifizierung homologation LTF / EN	B	A
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Size Größe Taille	XS	S	SM	ML	L	XL
Take off weight Startgewicht [kg] Poids pilote avec équipement	55-75	70-90	80-100	90-110	105-125	115-145
Cells Zellen Caissons	48	48	48	48	48	48
Wing area Flügelfläche [m²] Surface	22,0	24,4	26,0	27,5	30,9	34
Wing area projected Flügelfläche projiziert [m²] Surface projetée	19,2	21,4	22,7	24,0	27,0	29,7
Wing span Spannweite [m] Envergure	10,6	11,2	11,6	11,9	12,6	13,23
Projected wing span Spannweite projiziert [m] Envergure projetée	8,6	9,1	9,4	9,7	10,3	10,8
Aspect ratio Streckung Allongement	5,15	5,15	5,15	5,15	5,15	5,15
Projected aspect ratio Streckung projiziert Allongement projetée	3,9	3,9	3,9	3,9	3,9	3,9
Canopy weight Schirmgewicht [kg] Poids de l'aile	4,3	4,6	4,8	5,1	5,5	6,00
Trim speed Trimmgeschwindigkeit [km/h] Vitesse bras hauts	38±1	38±1	38±1	38±1	38±1	38±1
Max speed Max. Geschwindigkeit [km/h] Vitesse avec accélérateur	50±2	50±2	50±2	50±2	50±2	50±2
Speed travel Beschleunigerweg [mm] course d'accélérateur	145	145	145	145	145	155

Rev.: 1.1


Technische Daten - technical data - fiche technique
MIURA RSe

LTF / EN Homologation

LTF / EN Klassifizierung

homologation LTF / EN

A

Size Größe Taille	XS	S	SM	ML	XL
Take off weight Startgewicht [kg] Poids pilote avec équipement	55-75	70-90	80-100	90-110	115-145
Cells Zellen Caissons	48	48	48	48	48
Wing area Flügelfläche [m²] Surface	22,0	24,4	26,0	27,5	34,0
Wing area projected Flügelfläche projiziert [m²] Surface projetée	19,2	21,4	22,7	24,0	29,7
Wing span Spannweite [m] Envergure	10,6	11,2	11,6	11,9	13,2
Projected wing span Spannweite projiziert [m] Envergure projetée	8,6	9,1	9,4	9,7	10,8
Aspect ratio Streckung Allongement	5,15	5,15	5,15	5,15	5,15
Projected aspect ratio Streckung projiziert Allongement projetée	3,9	3,9	3,9	3,9	3,9
Canopy weight Schirmgewicht [kg] Poids de l'aile	4,3	4,6	4,8	5,1	6,0
Trim speed Trimmgeschwindigkeit [km/h] Vitesse bras hauts	38±1	38±1	38±1	38±1	38±1
Max speed Max. Geschwindigkeit [km/h] Vitesse avec accélérateur	46±2	46±2	46±2	46±2	46±2
Speed travel Beschleunigerweg [mm] course d'accélérateur	100	100	100	100	100

Rev.: 1.0


Technische Daten - technical data - fiche technique
MIURA RS

LTF / EN Homologation

LTF / EN Klassifizierung

homologation LTF / EN

PPG

Size Größe Taille	XS	S	SM	ML	L
Take off weight Startgewicht [kg] Poids pilote avec équipement	70-100	90-115	100-125	110-140	125-155
Cells Zellen Caissons	48	48	48	48	48
Wing area Flügelfläche [m²] Surface	22,0	24,4	26,0	27,5	30,9
Wing area projected Flügelfläche projiziert [m²] Surface projetée	19,2	21,4	22,7	24,0	27,0
Wing span Spannweite [m] Envergure	10,6	11,2	11,6	11,9	12,6
Projected wing span Spannweite projiziert [m] Envergure projetée	8,6	9,1	9,4	9,7	10,3
Aspect ratio Streckung Allongement	5,15	5,15	5,15	5,15	5,15
Projected aspect ratio Streckung projiziert Allongement projetée	3,9	3,9	3,9	3,9	3,9
Canopy weight Schirmgewicht [kg] Poids de l'aile	4,3	4,6	4,8	5,1	5,5
Trim speed Trimmgeschwindigkeit [km/h] Vitesse bras hauts	38±1	38±1	38±1	38±1	38±1
Max speed Max. Geschwindigkeit [km/h] Vitesse avec accélérateur	45±2	45±2	45±2	45±2	45±2
Trim travel Trimmerweg [mm] course des trims	80	100	100	100	100

Rev.: 1.0



Paraglider inspection certificate

Inspection certificate number: PG_1712.2020

Manufacturer data

Manufacturer name: **Swing Flugsportgeräte GmbH**
 Representative: **Günther Wörl**
 Street: **An der Leiten 4**
 Post code / place: **82290 Landsberied**
 Country: **Germany**


Sample data

Name:	Miura RS	Size:	XS
Min weight in flight [kg]:	55	Max weight in flight [kg]:	75
Weight [kg]:	4.3	Number of seat:	Single-seater
Sample load serial number:	n/a	Date of reception:	n/a
Sample flight serial number :	99305	Date of reception:	22.06.2020

Test report summary

	Result	Place	Date of test
91.23 Shock loading test:	Test done on size L, inspection PG_1588.2019		05.12.2019
91.23 Sustained loading test:	Test done on size L, inspection PG_1588.2019		05.12.2019
91.22 Flight test:	B	Villeneuve	23.06.2020
91.24 Measurement:	POSITIVE	Villeneuve	13.07.2020
91.27 Suspension line calculation:	POSITIVE	Villeneuve	06.02.2020

Issue data

Place of declaration: **Villeneuve**
 Date of issue: **23.07.2020**
 Managing Director: **Alain Zoller**
 Signature: 

This signature approve the validity of the test reports 91.22, 91.23, 91.24 and 91.27 (Only if test report are applicable).

Air Turquoise SA has thoroughly tested the sample of paraglider mentioned above and certifies its conformity with the following standards : EN 926-2:2013 / EN 926-1:2015 / LTF: NFL II 91/09

This inspection certificate confirms that the above sample identified by its serial number and only this is in conforms with the standards.

The inspection certificate contain the following test and is complete with the test report number: 91.22, 91.23, 91.24, 91.27
 (If the 91.23 tests are not done, it has been done for another size of a sample within the definition of same model)

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Paraglider inspection certificate

Inspection certificate number: **PG_1716.2020**

Manufacturer data

Manufacturer name: **Swing Flugsportgeräte GmbH**
 Representative: **Günther Wörl**
 Street: **An der Leiten 4**
 Post code / place: **82290 Landsberied**
 Country: **Germany**


Sample data

Name:	Miura RSe	Size:	XS
Min weight in flight [kg]:	55	Max weight in flight [kg]:	75
Weight [kg]:	4.3	Number of seat:	Single-seater
Sample load serial number:	n/a	Date of reception:	n/a
Sample flight serial number :	99305	Date of reception:	22.06.2020

Test report summary

	Result	Place	Date of test
91.23 Shock loading test:	Test done on inspection PG_1588.2019		05.12.2019
91.23 Sustained loading test:	Test done on inspection PG_1588.2019		05.12.2019
91.22 Flight test:	A	Villeneuve	30.06.2020
91.24 Measurement:	POSITIVE	Villeneuve	13.07.2020
91.27 Suspension line calculation:	POSITIVE	Villeneuve	12.03.2020

Issue data

Place of declaration: **Villeneuve**
 Date of issue: **23.07.2020**
 Managing Director: **Alain Zoller**
 Signature: 

This signature approve the validity of the test reports 91.22, 91.23, 91.24 and 91.27. (Only if test report are applicable).

Air Turquoise SA has thoroughly tested the sample of paraglider mentioned above and certifies its conformity with the following standards : EN 926-2:2013 / EN 926-1:2015 / LTF: NFL II 91/09

This inspection certificate confirms that the above sample identified by its serial number and only this is in conforms with the standards.

The inspection certificate contain the following test and is complete with the test report number: 91.22, 91.23, 91.24, 91.27
 (If the 91.23 tests are not done, it has been done for another size of a sample within the definition of same model)

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Paraglider inspection certificate

Inspection certificate number: **PG_1587.2019**

Manufacturer data

Manufacturer name: **Swing Flugsportgeräte GmbH**
 Representative: **Günther Wörl**
 Street: **An der Leiten 4**
 Post code / place: **82290 Landsberied**
 Country: **Germany**


Sample data

Name:	Miura RS	Size:	S
Min weight in flight [kg]:	70	Max weight in flight [kg]:	90
Weight [kg]:	4,6	Number of seat:	Single-seater
Sample load serial number:	n/a	Date of reception:	n/a
Sample flight serial number :	99268	Date of reception:	24.09.2019

Test report summary

Test report summary	Result	Place	Date of test
91.23 Shock loading test:	Test done on size L, inspection PG_1588.2019		05.12.2019
91.23 Sustained loading test:	Test done on size L, inspection PG_1588.2019		05.12.2019
91.22 Flight test:	B	Villeneuve	25.11.2019
91.24 Measurement:	POSITIVE	Villeneuve	12.12.2019
91.27 Suspension line calculation:	POSITIVE	Villeneuve	06.02.2020

Issue data

Place of declaration: **Villeneuve**
 Date of issue: **05.03.2020**
 Managing Director: **Alain Zoller**
 Signature: 

This signature approve the validity of the test reports 91.22, 91.23, 91.24 and 91.27 (Only if test report are applicable).

Air Turquoise SA has thoroughly tested the sample of paraglider mentioned above and certifies its conformity with the following standards : EN 926-2:2013 / EN 926-1:2015 / LTF: NFL II 91/09

This inspection certificate confirms that the above sample identified by its serial number and only this is in conforms with the standards.

The inspection certificate contain the following test and is complete with the test report number: 91.22, 91.23, 91.24, 91.27 (if the 91.23 tests are not done, it has been done for another size of a sample within the definition of same model)

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Paraglider inspection certificate

Inspection certificate number: **PG_1644.2019**

Manufacturer data

Manufacturer name: **Swing Flugsportgeräte GmbH**
 Representative: **Günther Wörl**
 Street: **An der Leiten 4**
 Post code / place: **82290 Landsberied**
 Country: **Germany**

Sample data

Name:	Miura RSe	Size:	S
Min weight in flight [kg]:	70	Max weight in flight [kg]:	90
Weight [kg]:	4.6	Number of seat:	Single-seater
Sample load serial number:	n/a	Date of reception:	n/a
Sample flight serial number :	99268	Date of reception:	24.09.2019

Test report summary

	Result	Place	Date of test
91.23 Shock loading test:	Test done on inspection PG_1588.2019		05.12.2019
91.23 Sustained loading test:	Test done on inspection PG_1588.2019		05.12.2019
91.22 Flight test:	A	Villeneuve	10.12.2019
91.24 Measurement:	POSITIVE	Villeneuve	12.12.2019
91.27 Suspension line calculation:	POSITIVE	Villeneuve	12.03.2020

Issue data

Place of declaration: **Villeneuve**
 Date of issue: **13.03.2020**
 Managing Director: **Randi Eriksen**
 Signature: 

This signature approve the validity of the test reports 91.22, 91.23, 91.24 and 91.27 (Only if test report are applicable).

Air Turquoise SA has thoroughly tested the sample of paraglider mentioned above and certifies its conformity with the following standards : EN 926-2:2013 / EN 926-1:2015 / LTF: NFL II 91/09

This inspection certificate confirms that the above sample identified by its serial number and only this is in conforms with the standards.

The inspection certificate contain the following test and is complete with the test report number: 91.22, 91.23, 91.24, 91.27 (if the 91.23 tests are not done, it has been done for another size of a sample within the definition of same model)

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Paraglider inspection certificate

Inspection certificate number: **PG_1560.2019**

Manufacturer data

Manufacturer name: **Swing Flugsportgeräte GmbH**
 Representative: **Günther Wörl**
 Street: **An der Leiten 4**
 Post code / place: **82290 Landsberied**
 Country: **Germany**


Sample data

Name:	Miura RS	Size:	SM
Min weight in flight [kg]:	80	Max weight in flight [kg]:	100
Weight [kg]:	4,8	Number of seat:	Single-seater
Sample load serial number:	n/a	Date of reception:	n/a
Sample flight serial number :	99282	Date of reception:	02.08.2019

Test report summary

	Result	Place	Date of test
91.23 Shock loading test:	Test done on inspection PG_1588.2019		05.12.2019
91.23 Sustained loading test:	Test done on inspection PG_1588.2019		05.12.2019
91.22 Flight test:	B	Villeneuve	13.08.2019
91.24 Measurement:	POSITIVE	Villeneuve	19.12.2019
91.27 Suspension line calculation:	POSITIVE	Villeneuve	06.02.2020

Issue data

Place of declaration: **Villeneuve**
 Date of issue: **05.03.2020**
 Managing Director: **Alain Zoller**
 Signature: 

This signature approve the validity of the test reports 91.22, 91.23, 91.24 and 91.27 (Only if test report are applicable).

Air Turquoise SA has thoroughly tested the sample of paraglider mentioned above and certifies its conformity with the following standards : EN 926-2:2013 / EN 926-1:2015 / LTF: NFL II 91/99

This inspection certificate confirms that the above sample identified by its serial number and only this is in conforms with the standards.

The inspection certificate contain the following test and is complete with the test report number: 91.22, 91.23, 91.24, 91.27 (if the 91.23 tests are not done, it has been done for another size of a sample within the definition of same model)

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Paraglider inspection certificate

Inspection certificate number: **PG_1645.2019**

Manufacturer data

Manufacturer name: **Swing Flugsportgeräte GmbH**
 Representative: **Günther Wörl**
 Street: **An der Leiten 4**
 Post code / place: **82290 Landsberied**
 Country: **Germany**

Sample data

Name:	Miura RSe	Size:	SM
Min weight in flight [kg]:	80	Max weight in flight [kg]:	100
Weight [kg]:	4.8	Number of seat:	Single-seater
Sample load serial number:	n/a	Date of reception:	n/a
Sample flight serial number :	99282	Date of reception:	02.08.2019

Test report summary

	Result	Place	Date of test
91.23 Shock loading test:	Test done on inspection PG_1588.2019		05.12.2019
91.23 Sustained loading test:	Test done on inspection PG_1588.2019		05.12.2019
91.22 Flight test:	A	Villeneuve	10.12.2019
91.24 Measurement:	POSITIVE	Villeneuve	19.12.2019
91.27 Suspension line calculation:	POSITIVE	Villeneuve	12.03.2020

Issue data

Place of declaration: **Villeneuve**
 Date of issue: **13.03.2020**
 Managing Director: **Randi Eriksen**
 Signature: 

This signature approve the validity of the test reports 91.22, 91.23, 91.24 and 91.27 (Only if test report are applicable).

Air Turquoise SA has thoroughly tested the sample of paraglider mentioned above and certifies its conformity with the following standards : EN 926-2:2013 / EN 926-1:2015 / LTF: NFL II 91/09

This inspection certificate confirms that the above sample identified by its serial number and only this is in conforms with the standards.

The inspection certificate contain the following test and is complete with the test report number: 91.22, 91.23, 91.24, 91.27
 (if the 91.23 tests are not done, it has been done for another size of a sample within the definition of same model)

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Paraglider inspection certificate

Inspection certificate number: **PG_1537.2019**

Manufacturer data

Manufacturer name: **Swing Flugsportgeräte GmbH**
 Representative: **Günther Wörl**
 Street: **An der Leiten 4**
 Post code / place: **82290 Landsberied**
 Country: **Germany**


Sample data

Name:	Miura RS	Size:	ML
Min weight in flight [kg]:	90	Max weight in flight [kg]:	110
Weight [kg]:	5.1	Number of seat:	Single-seater
Sample load serial number:	n/a	Date of reception:	n/a
Sample flight serial number :	99267	Date of reception:	03.10.2019

Test report summary

	Result	Place	Date of test
91.23 Shock loading test:	Test done on size L, inspection PG_1588.2019		05.12.2019
91.23 Sustained loading test:	Test done on size L, inspection PG_1588.2019		05.12.2019
91.22 Flight test:	B	Villeneuve	21.11.2019
91.24 Measurement:	POSITIVE	Villeneuve	04.10.2019
91.27 Suspension line calculation:	POSITIVE	Villeneuve	06.02.2020

Issue data

Place of declaration: **Villeneuve**
 Date of issue: **05.03.2020**
 Managing Director: **Alain Zoller**
 Signature: 

This signature approve the validity of the test reports 91.22, 91.23, 91.24 and 91.27 (Only if test report are applicable).

Air Turquoise SA has thoroughly tested the sample of paraglider mentioned above and certifies its conformity with the following standards : EN 926-2:2013 / EN 926-1:2015 / LTF: NFL II 91/09

This inspection certificate confirms that the above sample identified by its serial number and only this is in conforms with the standards.

The inspection certificate contain the following test and is complete with the test report number: 91.22, 91.23, 91.24, 91.27
 (if the 91.23 tests are not done, it has been done for another size of a sample within the definition of same model)

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Paraglider inspection certificate

Inspection certificate number: **PG_1646.2019**

Manufacturer data

Manufacturer name: **Swing Flugsportgeräte GmbH**
 Representative: **Günther Wörl**
 Street: **An der Leiten 4**
 Post code / place: **82290 Landsberied**
 Country: **Germany**

Sample data

Name:	Miura RSe	Size:	ML
Min weight in flight [kg]:	90	Max weight in flight [kg]:	110
Weight [kg]:	5.1	Number of seat:	Single-seater
Sample load serial number:	n/a	Date of reception:	n/a
Sample flight serial number :	99267	Date of reception:	03.10.2019

Test report summary

	Result	Place	Date of test
91.23 Shock loading test:	Test done on inspection PG_1588.2019		05.12.2019
91.23 Sustained loading test:	Test done on inspection PG_1588.2019		05.12.2019
91.22 Flight test:	A	Villeneuve	05.12.2019
91.24 Measurement:	POSITIVE	Villeneuve	13.12.2019
91.27 Suspension line calculation:	POSITIVE	Villeneuve	12.03.2020

Issue data

Place of declaration: **Villeneuve**
 Date of issue: **13.03.2020**
 Managing Director: **Randi Eriksen**
 Signature:

Randi Eriksen

This signature approve the validity of the test reports 91.22, 91.23, 91.24 and 91.27 (Only if test report are applicable).

Air Turquoise SA has thoroughly tested the sample of paraglider mentioned above and certifies its conformity with the following standards : EN 926-2:2013 / EN 926-1:2015 / LTF: NFL II 91/09

This inspection certificate confirms that the above sample identified by its serial number and only this is in conforms with the standards.

The inspection certificate contain the following test and is complete with the test report number: 91.22, 91.23, 91.24, 91.27 (if the 91.23 tests are not done, it has been done for another size of a sample within the definition of same model)

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Paraglider inspection certificate

Inspection certificate number: **PG_1588.2019**

Manufacturer data

Manufacturer name: **Swing Flugsportgeräte GmbH**
 Representative: **Günther Wörl**
 Street: **An der Leiten 4**
 Post code / place: **82290 Landsberied**
 Country: **Germany**

Sample data

Name:	Miura RS	Size:	L
Min weight in flight [kg]:	105	Max weight in flight [kg]:	125
Weight [kg]:	5.4	Number of seat:	Single-seater
Sample load serial number:	99291	Date of reception:	by DHV
Sample flight serial number :	99281	Date of reception:	24.09.2019

Test report summary

Test report summary	Result	Place	Date of test
91.23 Shock loading test:	POSITIVE	Fürstenfeldbruck (DHV)	05.12.2019
91.23 Sustained loading test:	POSITIVE	Fürstenfeldbruck (DHV)	05.12.2019
91.22 Flight test:	B	Villeneuve	07.10.2019
91.24 Measurement:	POSITIVE	Villeneuve	14.10.2019
91.27 Suspension line calculation:	POSITIVE	Villeneuve	06.02.2020

Issue data

Place of declaration: **Villeneuve**
 Date of issue: **05.03.2020**
 Managing Director: **Alain Zoller**
 Signature: 

This signature approve the validity of the test reports 91.22, 91.23, 91.24 and 91.27 (Only if test report are applicable).

Air Turquoise SA has thoroughly tested the sample of paraglider mentioned above and certifies its conformity with the following standards : EN 926-2:2013 / EN 926-1:2015 / LTF: NFL II 91/09

This inspection certificate confirms that the above sample identified by its serial number and only this is in conforms with the standards.

The inspection certificate contain the following test and is complete with the test report number: 91.22, 91.23, 91.24, 91.27 (if the 91.23 tests are not done, it has been done for another size of a sample within the definition of same model)

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Paraglider inspection certificate

Inspection certificate number: PG_1647.2019

Manufacturer data

Manufacturer name: **Swing Flugsportgeräte GmbH**
 Representative: **Günther Wörl**
 Street: **An der Leiten 4**
 Post code / place: **82290 Landsberied**
 Country: **Germany**

Sample data

Name:	Miura RSe	Size:	L
Min weight in flight [kg]:	105	Max weight in flight [kg]:	125
Weight [kg]:	5.4	Number of seat:	Single-seater
Sample load serial number:	n/a	Date of reception:	n/a
Sample flight serial number :	99281	Date of reception:	24.09.2019

Test report summary

	Result	Place	Date of test
91.23 Shock loading test:	Test done on inspection PG_1588.2019		05.12.2019
91.23 Sustained loading test:	Test done on inspection PG_1588.2019		05.12.2019
91.22 Flight test:	A	Villeneuve	10.12.2019
91.24 Measurement:	POSITIVE	Villeneuve	12.12.2019
91.27 Suspension line calculation:	POSITIVE	Villeneuve	12.03.2020

Issue data

Place of declaration: **Villeneuve**
 Date of issue: **13.03.2020**
 Managing Director: **Randi Eriksen**
 Signature: 

This signature approve the validity of the test reports 91.22, 91.23, 91.24 and 91.27 (Only if test report are applicable).

Air Turquoise SA has thoroughly tested the sample of paraglider mentioned above and certifies its conformity with the following standards : EN 926-2:2013 / EN 926-1:2015 / LTF: NFL II 91/09

This inspection certificate confirms that the above sample identified by its serial number and only this is in conforms with the standards.

The inspection certificate contain the following test and is complete with the test report number: 91.22, 91.23, 91.24, 91.27
 (if the 91.23 tests are not done, it has been done for another size of a sample within the definition of same model)

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Paraglider inspection certificate

Inspection certificate number: PG_1713.2020

Manufacturer data

Manufacturer name: **Swing Flugsportgeräte GmbH**
 Representative: **Günther Wörl**
 Street: **An der Leiten 4**
 Post code / place: **82290 Landsberied**
 Country: **Germany**

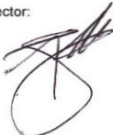
Sample data

Name:	Miura RS	Size:	XL
Min weight in flight [kg]:	115	Max weight in flight [kg]:	145
Weight [kg]:	6	Number of seat:	Single-seater
Sample load serial number:	449099291	Date of reception:	by DHV
Sample flight serial number :	99311	Date of reception:	30.07.2020

Test report summary

	Result	Place	Date of test
91.23 Shock loading test:	POSITIVE	Fürstenfeldbruck (DHV)	05.12.2019
91.23 Sustained loading test:	POSITIVE	Fürstenfeldbruck (DHV)	05.12.2019
91.22 Flight test:	A	Villeneuve	19.10.2020
91.24 Measurement:	POSITIVE	Villeneuve	12.11.2020
91.27 Suspension line calculation:	POSITIVE	Villeneuve	05.11.2020

Issue data

Place of declaration: **Villeneuve**
 Date of issue: **13.11.2020**
 Managing Director: **Alain Zoller**
 Signature: 

This signature approve the validity of the test reports 91.22, 91.23, 91.24 and 91.27 (Only if test report are applicable).

Air Turquoise SA has thoroughly tested the sample of paraglider mentioned above and certifies its conformity with the following standards : EN 926-2:2013 / EN 926-1:2015 / LTF: NFL II 91/09

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 (If the 91.23 tests are not done, it has been done for another size of a sample within the definition of same model)

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Line and Riser measurements report for flight test glider

Report number: **PG_1716.2020**Sample name: **Miura RSe XS**Manufacturer: **Swing**S/N: **99305**

Total line length include riser and carabiner/connect [mm]

	A	B	C	D	E	Stab	Brakes
Center 1	6816	6752	6864	6989		6095	7029
2	6723	6653	6756	6891		6097	6835
3	6697	6614	6720	6849		6155	6682
4	6755	6671	6764	6892		6240	6495
5	6678	6619	6722	6826			6440
6	6585	6529	6629	6731			6383
7	6564	6495	6580	6676			6321
8	6591	6520	6588	6662			6337
9	6437	6399	6421	6485			6304
10	6321	6299	6327	6386			6267
11	6265	6248	6249	6282			6210
Wing tip 12	6161	6135					
13							
14							
15							
16							
17							
18							

Measure total riser length without carabiners/connect [mm]

Risers	Std	Acc
A	510	411
A'	507	420
B	511	435
C	511	511
D		
Acc	100	*[mm]
Trimmer	n/a	[mm]

*Travel range (distance between A and rear riser)



Line and Riser measurements report for flight test glider

Report number: **PG_1587.2019**
Manufacturer: **Swing**

Sample name: **Miura RS S**
S/N: **99268**

Total line length include riser and carabiner/connect [mm]

		A	B	C	D	E	Stab	Brakes
Center	1	7276	7179	7284	7426		6493	7584
	2	7175	7081	7176	7315		6445	7359
	3	7150	7058	7139	7284		6510	7267
	4	7211	7126	7194	7330			7082
	5	7135	7068	7166	7283			6926
	6	7041	6977	7066	7180			6895
	7	7012	6945	7014	7109			6788
	8	7045	6969	6997	7085			6739
	9	6875	6818	6837	6851			6751
	10	6752	6721	6717	6720			6675
	11	6692	6662	6632	6636			6638
	12	6538	6498					6619
Wing tip	13							6604
	14							
	15							
	16							
	17							
	18							

Measure total riser length with no carabiners/connect [mm]

Risers	Std	Acc
A	531	397
A'	531	415
B	533	434
C	534	534
D		
Acc	130	*[mm]
Trimmer	n/a	[mm]

*Travel range (distance between A and rear riser)



Line and Riser measurements report for flight test glider

Report number: **PG_1560.2019**

Sample name: **Miura RS SM**

Manufacturer: **Swing Flugsportgeräte**

S/N: **99282**

Total line length include riser and carabiner/connect [mm]

		A	B	C	D	E	Stab	Brakes
Center	1	7524	7431	7528	7668		6729	7859
	2	7418	7326	7409	7559		6674	7628
	3	7394	7302	7379	7521		6741	7533
	4	7459	7374	7436	7571			7346
	5	7390	7317	7403	7527			7185
	6	7296	7224	7301	7422			7152
	7	7266	7190	7249	7339			7046
	8	7304	7215	7230	7324			7000
	9	7117	7058	7068	7088			7010
	10	6992	6949	6945	6944			6967
	11	6923	6888	6860	6853			6933
Wing tip	12	6778	6738					6904
	13							6900
	14							
	15							
	16							
	17							
	18							

Measure total riser length with no carabiners/connect [mm]

Risers	Std	Acc
A	531	391
A'	529	412
B	531	432
C	535	535
D		
Acc	140	*[mm]
Trimmer	n/a	[mm]

*Travel range (distance between A and rear riser)



Line and Riser measurements report for flight test glider

Report number: **PG_1537.2019**
Manufacturer: **Swing**

Sample name: **Miura RS ML**
S/N: **99267**

Total line length include riser and carabiner/connect [mm]

		A	B	C	D	E	Stab	Brakes
Center	1	7779	7668	7772	7914		6947	8110
	2	7676	7557	7656	7803		6890	7842
	3	7641	7540	7622	7767		6976	7761
	4	7705	7611	7673	7819			7554
	5	7633	7543	7642	7770			7405
	6	7532	7450	7551	7673			7377
	7	7505	7426	7499	7619			7262
	8	7533	7445	7498	7588			7214
	9	7369	7298	7332	7346			7216
	10	7253	7192	7205	7234			7179
	11	7179	7126	7110	7112			7132
Wing tip	12	7008	6974					7097
	13							7073
	14							
	15							
	16							
	17							
	18							

Measure total riser length with no carabiners/connect [mm]

Risers	Std	Acc
A	533	398
A'	531	416
B	535	437
C	535	535
D		
Acc	140	*[mm]
Trimmer	n/a	[mm]

*Travel range (distance between A and rear riser)



Line and Riser measurements report for flight test glider

Report number: **PG_1588.2019**
Manufacturer: **Swing**

Sample name: **Miura RS L**
S/N: **99281**

Total line length include riser and carabiner/connect [mm]

		A	B	C	D	E	Stab	Brakes
Center	1	8263	8173	8294	8445		7408	8609
	2	8159	8066	8173	8326		7357	8355
	3	8135	8044	8130	8291		7428	8257
	4	8202	8119	8195	8346			8058
	5	8121	8050	8161	8297			7880
	6	8015	7953	8052	8184			7848
	7	7986	7922	7998	8085			7725
	8	8022	7948	7975	8052			7671
	9	7842	7788	7805	7830			7689
	10	7707	7667	7663	7705			7637
	11	7633	7598	7573	7593			7612
Wing tip	12	7462	7421					7585
	13							7565
	14							
	15							
	16							
	17							
	18							

Measure total riser length with no carabiners/connect [mm]

Risers	Std	Acc
A	532	398
A'	532	417
B	535	438
C	537	538
D		
Acc	140	*[mm]
Trimmer	n/a	[mm]

*Travel range (distance between A and rear riser)

Line and Riser measurements report for flight test glider

Report number: **PG_1713.2020**Sample name: **Miura RS XL**Manufacturer: **Swing**S/N: **99311**

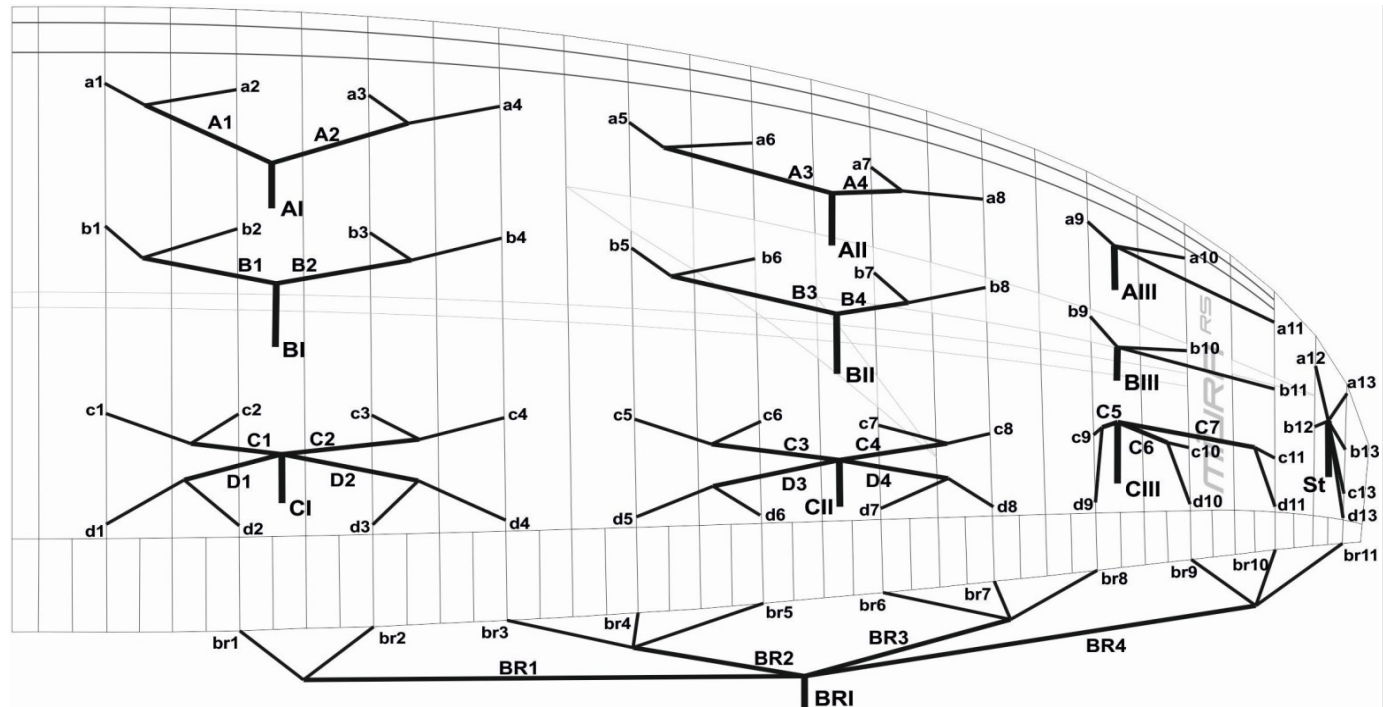
Total line length include riser and carabiner/connect [mm]

		A	B	C	D	E	Stab	Brakes
Center	1	8294	8208	8311	8478		7340	8447
	2	8188	8103	8191	8356		7286	8259
	3	8189	8099	8179	8340		7361	8165
	4	8274	8190	8255	8406			8048
	5	8196	8139	8213	8355			7950
	6	8095	8039	8117	8253			7936
	7	8050	7988	8050	8167			7823
	8	8074	8002	8035	8137			7730
	9	7844	7781	7833	7882			7683
	10	7658	7619	7659	7698			7573
	11	7516	7483	7501	7538			7473
Wing tip	12	7390	7349					7393
	13							7338
	14							
	15							
	16							
	17							
	18							

Measure total riser length without carabiners/connect [mm]

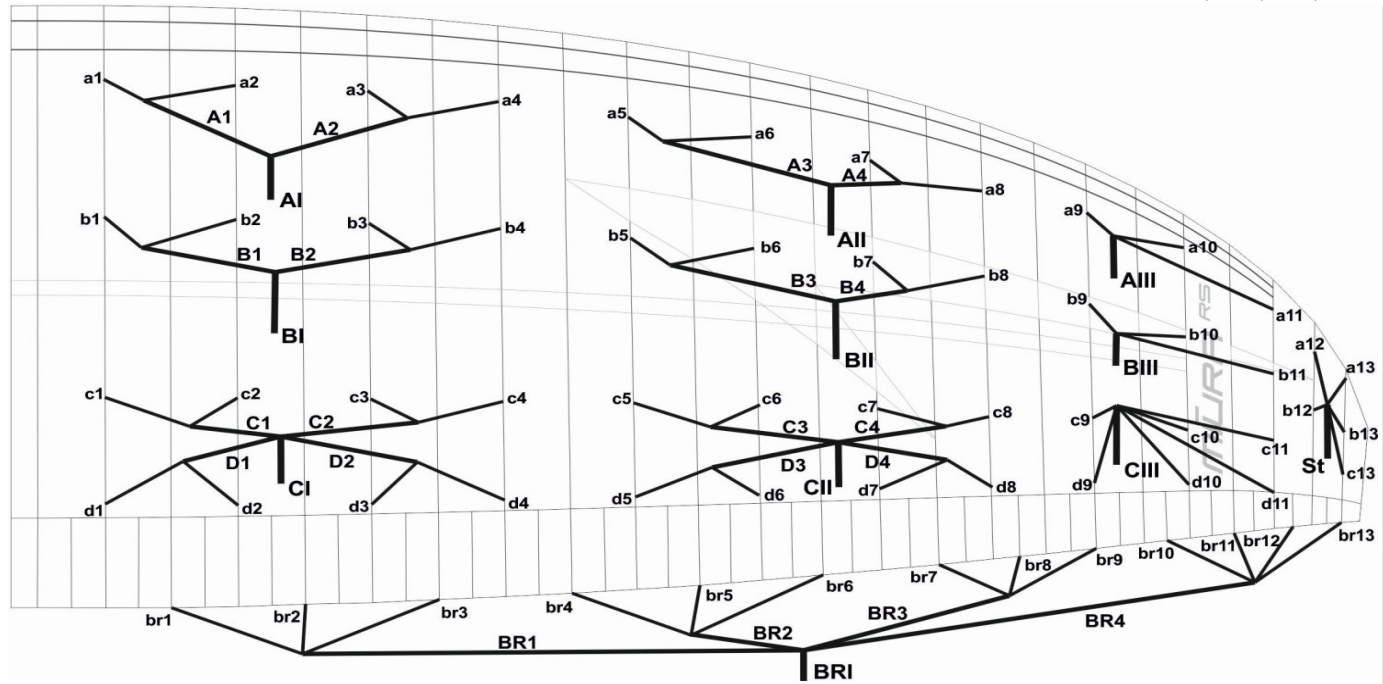
Risers	Std	Acc
A	522	402
A'	518	415
B	521	436
C	523	523
D		
Acc	120	*[mm]
Trimmer	n/a	[mm]

*Travel range (distance between A and rear riser)



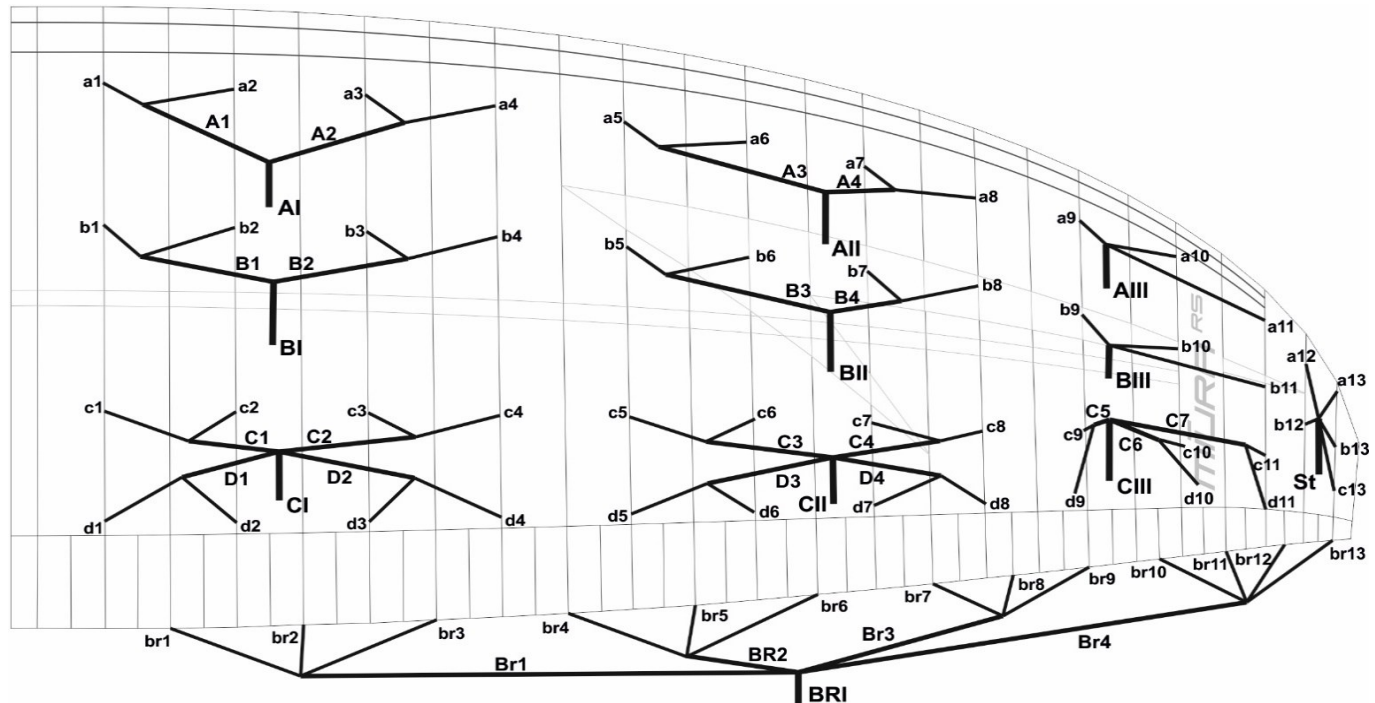
Riser	A1	A2	B	C
Lines	AI, AII	AIII	BI, BII, BIII, ST	C1, CII, CIII

Beim Bestellen bitte Leinenbezeichnung angeben- When ordering, please use line denomination above



Riser	A1	A2	B	C
Lines	AI, AII	AIII	BI, BII, BIII, ST	CI, CII, CIII

Beim Bestellen bitte Leinenbezeichnung angeben- When ordering, please use line denomination above



Riser	A1	A2	B	C
Lines	AI, AII	AIII	BI, BII, BIII, ST	CI, CII, CIII

Beim Bestellen bitte Leinenbezeichnung angeben- When ordering, please use line denomination above

single linelength (mm)

MIURA RS S

Nr	Length (mm)	Articel No.	Nr	Length (mm)	Articel No.	Nr	Length (mm)	Articel No.	Nr	Length (mm)	Articel No.	Nr	Length (mm)	Articel No.
a1	1235	DSL 70	b1	1240	DSL 70	c1	1250	DSL 70	d1	1240	DSL 70	br1	1920	DSL 70
a2	1135	DSL 70	b2	1140	DSL 70	c2	1140	DSL 70	d2	1130	DSL 70	br2	1695	DSL 70
a3	1110	DSL 70	b3	1115	DSL 70	c3	1105	DSL 70	d3	1100	DSL 70	br3	1610	DSL 70
a4	1170	DSL 70	b4	1185	DSL 70	c4	1160	DSL 70	d4	1145	DSL 70	br4	1820	DSL 70
a5	1095	DSL 70	b5	1130	DSL 70	c5	1130	DSL 70	d5	1100	DSL 70	br5	1670	DSL 70
a6	1000	DSL 70	b6	1040	DSL 70	c6	1030	DSL 70	d6	1000	DSL 70	br6	1635	DSL 70
a7	970	DSL 70	b7	1010	DSL 70	c7	980	DSL 70	d7	925	DSL 70	br7	1425	DSL 70
a8	1010	DSL 70	b8	1030	DSL 70	c8	965	DSL 70	d8	905	DSL 70	br8	1380	DSL 70
a9	2135	7343-140	b9	2075	7343-140	c9	2095	7343-140	d9	2115	7343-140	br9	1390	DSL 70
a10	2010	7343-140	b10	1975	7343-140	c10	1975	7343-140	d10	1985	7343-140	br10	1220	DSL 70
a11	1950	7343-140	b11	1915	7343-140	c11	1890	7343-140	d11	1895	7343-140	br11	1180	DSL 70
a12	845	DSL 70	b12	805	DSL 70							br12	1160	DSL 70
a13	800	DSL 70	b13	765	DSL 70	c13	840	DSL 70				br13	1145	DSL 70
A1	1300	7343-140	B1	1200	7343-140	C1	1300	7343-140	D1	1450	7343-140	BR1	2800	DSL 70
A2	1300	7343-140	B2	1200	7343-140	C2	1300	7343-140	D2	1450	7343-140	BR2	2400	DSL 70
A3	1300	7343-140	B3	1200	7343-140	C3	1300	7343-140	D3	1450	7343-140	BR3	2500	DSL 70
A4	1300	7343-140	B4	1200	7343-140	C4	1300	7343-140	D4	1450	7343-140	BR4	2600	DSL 70
AI	4195	7343-230	BI	4195	7343-230	CI	4200	7343-230	STI	5150	PPSL 120	BRI	2800	DFLS 200
AII	4195	7343-230	BII	4195	7343-230	CII	4200	7343-230						
AIII	4200	7343-190	BIII	4200	7343-190	CIII	4200	7343-190						

single linelength (mm)

MIURA RS SM

Nr	Length (mm)	Articel No.	Nr	Length (mm)	Articel No.	Nr	Length (mm)	Articel No.	Nr	Length (mm)	Articel No.	Nr	Length (mm)	Articel No.
a1	1295	DSL 70	b1	1305	DSL 70	c1	1305	DSL 70	d1	1285	DSL 70	br1	2000	DSL 70
a2	1195	DSL 70	b2	1200	DSL 70	c2	1185	DSL 70	d2	1175	DSL 70	br2	1765	DSL 70
a3	1165	DSL 70	b3	1175	DSL 70	c3	1155	DSL 70	d3	1140	DSL 70	br3	1675	DSL 70
a4	1230	DSL 70	b4	1250	DSL 70	c4	1210	DSL 70	d4	1190	DSL 70	br4	1885	DSL 70
a5	1160	DSL 70	b5	1190	DSL 70	c5	1175	DSL 70	d5	1150	DSL 70	br5	1725	DSL 70
a6	1070	DSL 70	b6	1095	DSL 70	c6	1075	DSL 70	d6	1040	DSL 70	br6	1690	DSL 70
a7	1035	DSL 70	b7	1070	DSL 70	c7	1025	DSL 70	d7	950	DSL 70	br7	1485	DSL 70
a8	1075	DSL 70	b8	1090	DSL 70	c8	1010	DSL 70	d8	935	DSL 70	br8	1435	DSL 70
a9	2230	7343-140	b9	2170	7343-140	c9	2190	7343-140	d9	2205	7343-140	br9	1445	DSL 70
a10	2110	7343-140	b10	2065	7343-140	c10	2065	7343-140	d10	2060	7343-140	br10	1305	DSL 70
a11	2035	7343-140	b11	2000	7343-140	c11	1980	7343-140	d11	1975	7343-140	br11	1280	DSL 70
a12	940	DSL 70	b12	905	DSL 70							br12	1250	DSL 70
a13	910	DSL 70	b13	855	DSL 70	c13	935	DSL 70				br13	1245	DSL 70
A1	1350	7343-140	B1	1250	7343-140	C1	1350	7343-140	D1	1500	7343-140	BR1	2900	DSL 70
A2	1350	7343-140	B2	1250	7343-140	C2	1350	7343-140	D2	1500	7343-140	BR2	2500	DSL 70
A3	1350	7343-140	B3	1250	7343-140	C3	1350	7343-140	D3	1500	7343-140	BR3	2600	DSL 70
A4	1350	7343-140	B4	1250	7343-140	C4	1350	7343-140	D4	1500	7343-140	BR4	2700	DSL 70
AI	4345	7343-230	BI	4345	7343-230	CI	4350	7343-230	STI	5300	PPSL 120	BRI	2880	DFLS 200
AII	4345	7343-230	BII	4345	7343-230	CII	4350	7343-230						
AIII	4350	7343-190	BIII	4350	7343-190	CIII	4350	7343-190						

single linelength (mm)

MIURA RS ML

Nr	Length (mm)	Articel No.	Nr	Length (mm)	Articel No.	Nr	Length (mm)	Articel No.	Nr	Length (mm)	Articel No.	Nr	Length (mm)	Articel No.
a1	1335	DSL 70	b1	1325	DSL 70	c1	1335	DSL 70	d1	1265	DSL 70	br1	2080	DSL 70
a2	1230	DSL 70	b2	1215	DSL 70	c2	1220	DSL 70	d2	1155	DSL 70	br2	1815	DSL 70
a3	1200	DSL 70	b3	1195	DSL 70	c3	1185	DSL 70	d3	1120	DSL 70	br3	1730	DSL 70
a4	1265	DSL 70	b4	1265	DSL 70	c4	1240	DSL 70	d4	1170	DSL 70	br4	1925	DSL 70
a5	1240	DSL 70	b5	1245	DSL 70	c5	1235	DSL 70	d5	1210	DSL 70	br5	1780	DSL 70
a6	1140	DSL 70	b6	1155	DSL 70	c6	1145	DSL 70	d6	1110	DSL 70	br6	1745	DSL 70
a7	1115	DSL 70	b7	1130	DSL 70	c7	1095	DSL 70	d7	1055	DSL 70	br7	1530	DSL 70
a8	1145	DSL 70	b8	1150	DSL 70	c8	1095	DSL 70	d8	1030	DSL 70	br8	1485	DSL 70
a9	2330	7343-140	b9	2255	7343-140	c9	2280	7343-140	d9	2300	7343-140	br9	1485	DSL 70
a10	2215	7343-140	b10	2145	7343-140	c10	2150	7343-140	d10	2180	7343-140	br10	1355	DSL 70
a11	2140	7343-140	b11	2080	7343-140	c11	2055	7343-140	d11	2065	7343-140	br11	1320	DSL 70
a12	965	DSL 70	b12	935	DSL 70							br12	1265	DSL 70
a13	925	DSL 70	b13	865	DSL 70	c13	960	DSL 70				br13	1240	DSL 70
A1	1400	7343-140	B1	1300	7343-140	C1	1400	7343-140	D1	1600	7343-140	BR1	3000	DSL 70
A2	1400	7343-140	B2	1300	7343-140	C2	1400	7343-140	D2	1600	7343-140	BR2	2600	DSL 70
A3	1350	7343-140	B3	1250	7343-140	C3	1350	7343-140	D3	1500	7343-140	BR3	2700	DSL 70
A4	1350	7343-140	B4	1250	7343-140	C4	1350	7343-140	D4	1500	7343-140	BR4	2800	DSL 70
AI	4500	7343-230	BI	4500	7343-230	CI	4500	7343-230	STI	5500	PPSL 120	BRI	2970	DFLS 200
AII	4500	7343-230	BII	4500	7343-230	CII	4500	7343-230						
AIII	4500	7343-190	BIII	4500	7343-190	CIII	4500	7343-190						

single linelength (mm)

MIURA RS L

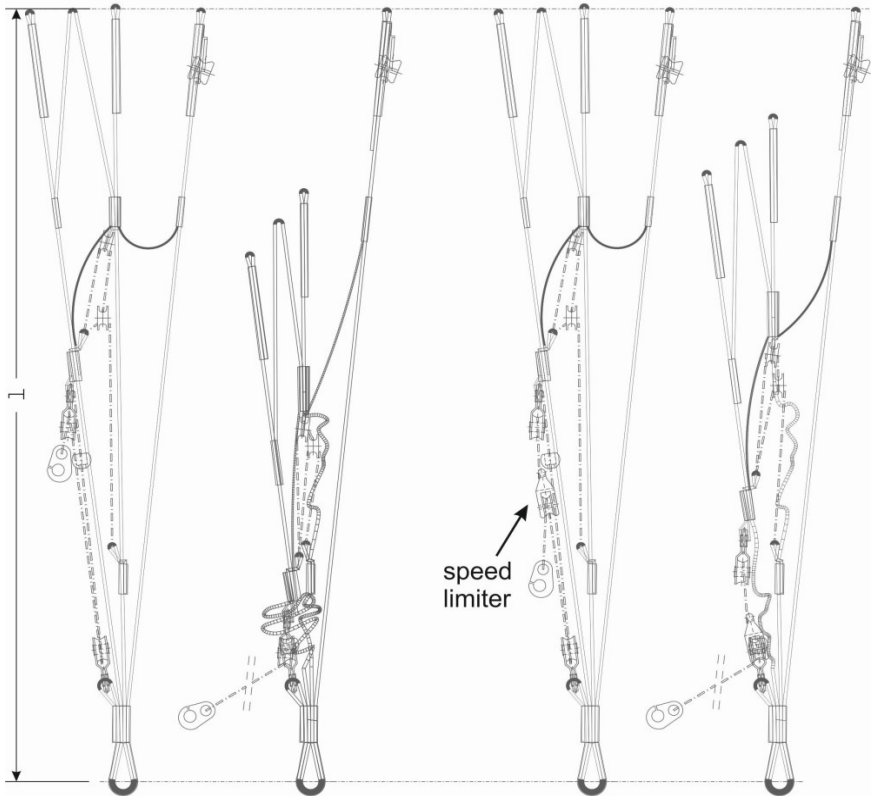
Nr	Length (mm)	Articel No.	Nr	Length (mm)	Articel No.	Nr	Length (mm)	Articel No.	Nr	Length (mm)	Articel No.	Nr	Length (mm)	Articel No.
a1	1470	DSL 70	b1	1480	DSL 70	c1	1510	DSL 70	d1	1405	DSL 70	br1	2200	DSL 70
a2	1365	DSL 70	b2	1370	DSL 70	c2	1385	DSL 70	d2	1290	DSL 70	br2	1950	DSL 70
a3	1340	DSL 70	b3	1345	DSL 70	c3	1345	DSL 70	d3	1250	DSL 70	br3	1855	DSL 70
a4	1405	DSL 70	b4	1425	DSL 70	c4	1410	DSL 70	d4	1305	DSL 70	br4	2100	DSL 70
a5	1325	DSL 70	b5	1360	DSL 70	c5	1380	DSL 70	d5	1365	DSL 70	br5	1925	DSL 70
a6	1220	DSL 70	b6	1260	DSL 70	c6	1270	DSL 70	d6	1250	DSL 70	br6	1890	DSL 70
a7	1190	DSL 70	b7	1230	DSL 70	c7	1215	DSL 70	d7	1155	DSL 70	br7	1675	DSL 70
a8	1225	DSL 70	b8	1255	DSL 70	c8	1195	DSL 70	d8	1120	DSL 70	br8	1620	DSL 70
a9	2500	7343-140	b9	2440	7343-140	c9	2465	7343-140	d9	2490	7343-140	br9	1640	DSL 70
a10	2365	7343-140	b10	2325	7343-140	c10	2330	7343-140	d10	2360	7343-140	br10	1490	DSL 70
a11	2285	7343-140	b11	2255	7343-140	c11	2230	7343-140	d11	2240	7343-140	br11	1460	DSL 70
a12	1020	DSL 70	b12	980	DSL 70							br12	1440	DSL 70
a13	970	DSL 70	b13	930	DSL 70	c13	1010	DSL 70				br13	1420	DSL 70
A1	1450	7343-140	B1	1350	7343-140	C1	1450	7343-140	D1	1705	7343-140	BR1	3200	DSL 70
A2	1450	7343-140	B2	1350	7343-140	C2	1450	7343-140	D2	1705	7343-140	BR2	2750	DSL 70
A3	1450	7343-140	B3	1350	7343-140	C3	1450	7343-140	D3	1600	7343-140	BR3	2850	DSL 70
A4	1450	7343-140	B4	1350	7343-140	C4	1450	7343-140	D4	1600	7343-140	BR4	2950	DSL 70
AI	4800	7343-230	BI	4800	7343-230	CI	4800	7343-230	STI	5900	PPSL 120	BRI	3190	DFLS 200
AII	4800	7343-230	BII	4800	7343-230	CII	4800	7343-230						
AIII	4800	7343-190	BIII	4800	7343-190	CIII	4800	7343-190						

riser length (l) [mm]

MIURA RS

MIURA RS

MIURA RSe



trim

accelerated

trim

accelerated

		Trim				Beschleunigt / Accelerated			
		MIURA RS		MIURA RSe		MIURA RS		MIURA RSe	
		XS	S - XL	XS	S - L	XS	S - XL	XS	S - L
Tragegurt Riser	A1	520	520	520	520	365	365	420	420
	A2	520	520	520	520	378	385	433	440
	B	520	520	520	520	392	405	447	460
	C	520	520	520	520	520	520	520	520

Trimmerweg
Trimmerlength

kein Trimmer - no Trimmer

Rev.: 1.0

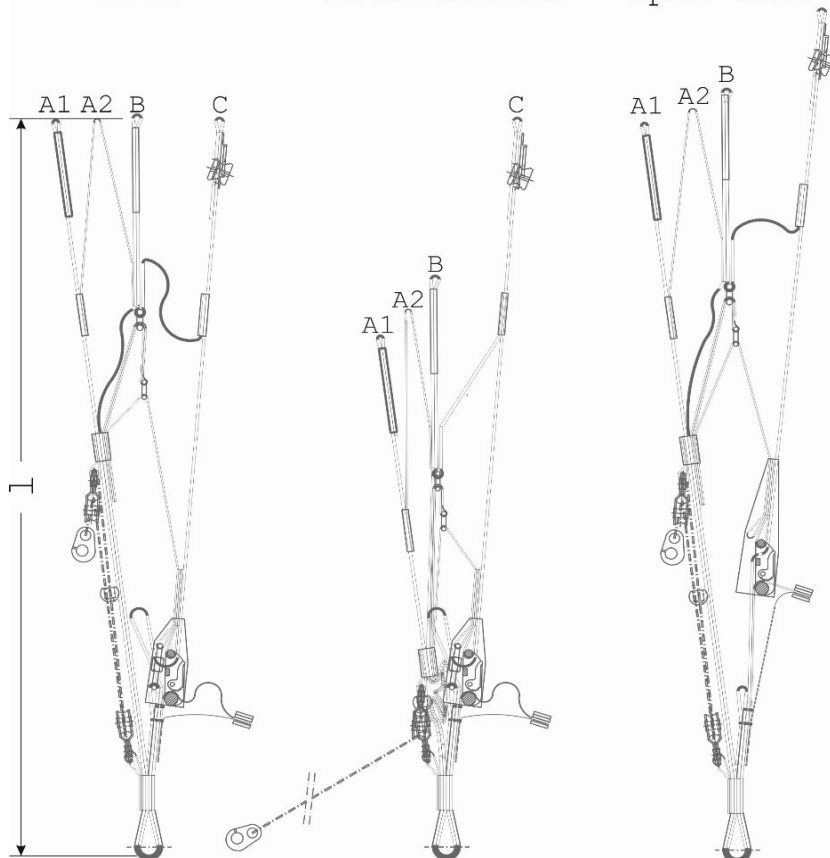
riser length (l) [mm]

MIURA RS

trim

accelerated

open trim



		Trim				Beschleunigt / Accelerated				Trimmer offen / trims open	
		MIURA RS		MIURA RSe		MIURA RS		MIURA RSe		MIURA RS	
		XS	S - L	XS	S - L	XS	S - L	XS	S - L	XS	S - L
Tragegurt Riser	A1	520	520	520	520	365	365	420	420	520	520
	A2	520	520	520	520	378	385	433	440	534	537
	B	520	520	520	520	392	405	447	460	548	554
	C	520	520	520	520	520	520	520	520	600	620

Trimmerweg	XS		S-L	
Trimmerlength	80		100	

Rev.: 1.0

SEGELTUCH - SAIL CLOTH - TISSUS

Obersegel - upper sail - extrados	Nylon	Polyurethan - 38 / 32g	
Untersegel - lower sail - intrados	Nylon	Polyurethan - 32g	
Rippen - ribs - nervures	Nylon	Polyurethan - 32g	

LEINENMATERIAL - LINE MATERIAL - SUSPENTES

Obere Galerie Upper Gallery suspentage haut	Aramid	7343-140	1,3mm	140daN	
Mittlere Galerie intermediate lines suspentage intermédiaire	Aramid	7343-140	1,3mm	140daN	
Stammleinen main lines	Aramid	7343-230	1,7mm	230daN	
suspentage bas	Aramid	7343-190	1,5mm	190daN	

**LEINENLÄNGENTOLERANZEN - LINE LENGTH TOLERANCE
TOLÉRANCE DES LONGUEURS DE SUSPENTES**

Leinen - lines suspentes	A	B	C	D	Brake
länger - longer tolérance en plus	+ 5 mm	+ 5 mm	+5 mm	+5 mm	+ 10 mm
kürzer - shorter tolérance en moins	- 10 mm	- 5 mm	- 5 mm	- 5 mm	- 10 mm

**LEINENFESTIGKEITEN / LINE STRENGTH
RÉSISTANCE DES SUSPENTES**

Schirmgröße size - tailles	XS	S	SM	ML	L	XL
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Top Lines all	Top Lines					
	30 / 25	30 / 25	30 / 25	30 / 25	31 / 26	36 / 30

Intermediate Lines A+B	Intermediate Lines					
	40 / 33	45 / 38	50 / 42	55 / 46	63 / 52	73 / 60
C+D	40 / 27	45 / 30	50 / 33	55 / 37	63 / 42	73 / 48

Main Lines A+B	Main Lines					
	80 / 67	90 / 75	100 / 83	110 / 92	125 / 104	145 / 121
C	80 / 53	90 / 60	100 / 67	110 / 73	125 / 83	145 / 97

minimum / absol. minimum



Porositätstabelle - porosity table - table de porosité

Messgerät - instrument - appareil de mesure

Messwert - test result - mesure

Kretschmer			JDC	Zustand	condition	état
LD 100 [1s]	LD 100 [1/10s]	LD 150 [1/10s]	[s]			
> 250	> 2500	> 10000	> 150	neu	new	neuf
200 - 250	2000 - 2500	7500 - 10000	100 - 150	neuwertig	like new	comme neuf
150 - 200	1500 - 2000	5000 - 7500	50 - 100	gebraucht, sehr guter Zustand	used - in very good condition	utilisé - en très bon état
100 - 150	1000 - 1500	2000 - 5000	25 - 50	gebraucht, guter Zustand	used - in good condition	utilisé - en bon état
50 - 100	500 - 1000	500 - 2000	10 - 25	deutlich gebraucht, guter Zustand	hard used - in good condition	très utilisé - en bon état
10 - 50	100 - 500	150 - 500	5 - 10	stark gebraucht, Materialkontrolle in kürzeren Abständen erforderlich	hard used - material check in short intervals necessary	très utilisé - matériel à contrôler fréquemment
0 - 10	0 - 100	0 - 150	0 - 5	überbeansprucht NICHT mehr lufttüchtig	worn out NOT airworthy anymore	plus en état de vol - NON homologué

owner

Halter

détenteur



1. Pilot

Name: Name: nome:	
street Straße: rue:	
City: Wohnort: domicile:	
Telephone: Telefon: telephone:	
Email: Email: email:	

2. Pilot

Name: Name: nome:	
street Straße: rue:	
City: Wohnort: domicile:	
Telephone: Telefon: telephone:	
Email: Email: email:	

3. Pilot

Name: Name: nome:	
street Straße: rue:	
City: Wohnort: domicile:	
Telephone: Telefon: telephone:	
Email: Email: email:	