



twin

English

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Thank you for flying SKY PARAGLIDERS products

Thank you for buying the TWIN harness.

We hope it will work fine for you and we wish a lot of awesome flights.

Before the first flight it is strongly recommended to have a close look at the manual.

It might help to familiarize with the product faster.

Team Sky Paragliders



Sky Paragliders, manufacturer of gliders and paragliding equipment

Sky Paragliders is a Czech company with a long tradition in the production and development of wide range of paragliding products; wings, harnesses and rescue systems included.

All the products are manufactured in the Czech Republic using the latest technologies available.

The whole production is quality oriented and the production quality is well reflected in the fact the company holds **ISO 9001:2008**.

But in fact, it is mainly the trust in our products that provides us with the best and most valuable certificate; and not only that – your trust is the challenge for our future work.

URS is a member of Registrar of Standards (Holdings) Ltd.

TWIN is a special, non-certified, paragliding tandem harness aimed at tandem specialists and occasional tandem pilots. The reserve is placed at the back part of the harness. The harness is delivered with separate leg straps and does not use the the seat board.



A - shoulder strap adjustment
B - main suspension point
C - chest strap adjustment
D - leg parts distance adjustments

E - adjustment of the back section
F - T-buckle at the chest strap
G - leg buckle

The main distinctive features are:

- Low weight – only 2,4 kg – universal size, main carabines and 10 cm foam protector included.
- ABS system.
- High comfort thanks to new back solutions.
- SKY SAFETY STRAP SYSTEM.
- Smart flap system at the reserve pocket.
- Easy to adjust the leg parts to find the best position for the passenger harness.
- Big pocket to accommodate all the needs.

Sizes and accesories

TWIN is produced in one, universal, size and includes 10 cm back protector made of special foam and special cover.



<i>Size</i>	L
<i>Height of the pilot (cm)</i>	165-187
A <i>Board Width (cm)</i>	-
B <i>Board Depth (cm)</i>	-
C <i>Suspension Points Height (cm)</i>	44
<i>Chest Strap Range (cm)</i>	32-44
<i>Harness Weight XC* (kg)</i>	2,4

** Total weight (includes harness and main carabines)*

Before your first take off

Before you start adjusting the harness, it is highly recommended to check the components of the harness. Harness consists of:

- Harness
- 10 cm foam back protection
- Main suspension karabiners

The harness is easy to accommodate with the following rescues:

(they are not part of the standard harness package)

- SKY SPARE Bi



Adjustment

It is highly recommended to make the adjustments only if the back protection is installed inside the harness already and you have equipped the harness with the rescue.

Shoulder straps

Adjust the straps to fit your height. If you fly with the shoulder straps too tight, you might encounter some difficulties with the take off.

Leg straps

The leg straps are easy to adjust to reach maximum comfort during the flight. It is recommended to use loose set up for the tandem flights. If the harness is to be used as a solo harness, the leg straps are easy to to adjust for maximum comfort.

Chest strap adjustment

It is highly recommended to adjust the chest strap as recommended by the manufacturer of the wing or as stated by the certification authority. See the manuals for your particular wing.

Adjustment of the back section

This adjustment is one of the most crucial adjustments; the angle will define the basic characteristics of the harness - e.g. if you are about to lie or more or less sit.

Rescue assembly

When installing the rescue, please follow the steps defined bellow. It is highly recommended to have the rescue installed only by authorised personnel or by the manufacturer.



1) Link the handle of the harness with the side loop of the inner rescue container (thread the handle through the loop). You always insert the rescue with the final loops in the above part of the container.



2) Tighten the knot.



3) Put the reserve inside the container, the lines facing inside the container.



4) Fold the reserve lines "S" like so they could easily go loose one by one when you deploy to reserve, make sure they do not cross and there are no knots or obstacles.



5) The risers should be long enough and symmetrical. Later you will link them to the spreaders of the tandem.



6) Using the strings from the handy kit, start closing the flaps of the container (strings are delivered in the handy kit).



7) Close the flaps as indicated.



8) Close the flaps as indicated.



9) Close the flaps as indicated.



10) Fix the flaps by the security pins.



11) Secure the pins by the rubber bands.



12) Fix the reserve handle by the Velcro.



13) Reserve risers are to be linked to both sides, they should be covered by the side covers and fixed by Velcro.



14) Now you can link the riser into the carabine on the tandem spreader bars.

At this stage it is highly recommended to make a test pull of the system to ensure that the rescue comes out of the pocket freely & correctly (if in doubt, seek advice from your packing professional or Sky dealer).

Speed system – length adjustment

The harness is provided by metal rings for the speed system that could be used if the harness is used as a solo harness. The length to be adjusted.



In case you would like to replace the system, check carefully that the strings are linked through all the pulleys of the harness.



The speed system length is to be adjusted at the part where the strings are fixed to the bar itself.



Production number

The production date is provided to each piece of the harness.



Handy kit

All the TWIN harnesses are provided with a Handy kit. It contains spare loop part for the flap system of the container, packing line and spare elastic bands to fix the needles.

Back protection instalment

The TWIN harness is always delivered with the back protection already installed.
If it is not installed, please follow the following instructions.



1) The back protector is inserted from the front which is covered by the elastic piece. Put the elastic part aside and place the protector inside the compartment as high as possible.



2) Insert the protector.



3) You can get your hands through the side parts of the harness and fix thus the protector by the Velcro.



4) If the protector is placed well, it is all hidden by the front partition of the harness pocket.



5) The protector cannot deform the harness in any way.

Winch take off

TWIN could be used for trouble free winching.

For tandem flight - winch releaser has to be attached to the main karabiners of passenger's harness.

In flight

If any adjustments are still needed during the flight, all adjustments must be made in clear air space and only when flying in the smooth air.

Notes on maintenance

The lifespan of the harness is mainly influenced by regular care.

Do not trail the harness on the ground.

When packing the harness into a rucksack, avoid the procedures that might damage the basic shape of the harness. Be careful not to damage the harness against the zipper.

Do not store the harness if wet. If the harness is wet with sea water, wash it with fresh water immediately. Do not use any detergents. Dry the harness in an open well air conditioned space.

Check the harness and also the rescue on a regular basis.

Check Ups

Before the delivery

The harness was thoroughly checked up at the manufacturing process.

Regular Checkups and Repairs

Due to safety reasons it is necessary to keep an eye on the harness and at least once in every two years to have it checked by the manufacturer or authorised personnel or company. If the behaviour of the harness is different in flight, or if you have had an accident that might have resulted in decreasing the structural strength of the system, immediate check is necessary.

Guarantee

TWIN is guaranteed for 2 years against any production fault since the date of purchase.

The guarantee does not cover:

Damage that was caused by misuse, by neglecting the regular maintenance, or if the harness is overloaded or misused.

The guarantee also does not cover any damage caused by the inappropriate landings.

If you are ever unsure about the information contained in the manual, contact your SKY dealer.

Sky Paragliders a.s.

Okružní 39

739 11 Frýdlant nad Ostravicí

Czech Republic

Tel. + 420 558 67 60 88

www.skyparagliders.cz

info@sky-cz.com

Maintenance and Repairs Record (page 1/4)

Seller/Customer:

Signature of an Authorised Personnel:

- Visual inspections of seams and all the buckles.
- Inspection of all parts of the harness.
- Inspection of the rescue pocket and inspection of the rescue in the container.

General state:

Date, notes, signature, stamp:

Maintenance and Repairs Record (page 2/4)

Seller/Customer:

Signature of an Authorised Personnel:

- Visual inspections of seams and all the buckles.
- Inspection of all parts of the harness.
- Inspection of the rescue pocket and inspection of the rescue in the container.

General state:

Date, notes, signature, stamp:

Maintenance and Repairs Record (page 3/4)

Seller/Customer:

Signature of an Authorised Personnel:

- Visual inspections of seams and all the buckles.
- Inspection of all parts of the harness.
- Inspection of the rescue pocket and inspection of the rescue in the container.

General state:

Date, notes, signature, stamp:

Maintenance and Repairs Record (page 4/4)

Seller/Customer:

Signature of an Authorised Personnel:

- Visual inspections of seams and all the buckles.
- Inspection of all parts of the harness.
- Inspection of the rescue pocket and inspection of the rescue in the container.

General state:

Date, notes, signature, stamp: