



■ ■ NEMO				Index	2
Introduction	3	Environmental care	28		
About the wing	4	What have you bought	29		
Paraglider design	5	Technical Data	30		
Risers design	6	Materials	31		
Before first use	9	Lining scheme	32		
Pre-flight check	11	Join us	34		
Launch	12	Support	35		
Flight	14	Summary	36		
Winching and paramotoring	16				
Landing	17				
Speed modes	18				
Quick descend methods	19				
Extreme manoeuvres	21				
Paraglider care	23				
Warranty and aerocasco	26				

NFMO

Congratulations!

flying hours.

We are pleased to welcome you among the growing number of DUDEK PARAGLIDERS pilots. You've become a proud owner of a sport paraglider,

designed according to recent trends among paramotor canopies. Extensive development, application of the

modern production methods and thorough testing resulted in a friendly behaving paraglider, offering the pilot a lot of fun combined with great performance. We wish you many enjoyable and safe

Please read this manual carefully and note following details:

The purpose of this manual is to offer guidelines to the pilot using the

paraglider. By no means it is intended to be used as a training manual for this or any other paraglider.

- You may only fly a paraglider when qualified to do so or when undergoing training at an accredited school.
 - Pilots are personally responsible for their own safety and their paraglider's airworthiness
 - the user's own risk! Neither the manufacturer nor dealer do accept any liabilities involved. This paraglider on delivery meets all

The use of this paraglider is solely at

the requirements of the EN 926-1 and 926-2 regulations or has an airworthiness certificate issued by the manufacturer. Any alterations to the

paraglider will render its certification

invalid

Other documents concerning this paraglider can be found on attached pendrive or on our website www.dudek.eu.

the constant process of development the actual paraglider may differ slightly from the one described in the manual. However, those differences cannot affect the basic design parameters: technical data, flight characteristics or strength. In case of any

doubts contact us please.

Note: Dudek Paragliders warns that due to

maintaining good maneuverability as

compared to other wings in this class.

The main suspension lines in A and B

rows are made of Dyneema, which, due to

its high bending resistance, can be much

thinner compared to Technora. The innate

minimized by using these lines in the most

shrinkage effect of Dyneema has been

heavily loaded rows. Most importantly.

thinner lines result in less drag which

translates into better performance.

safety, good performance and versatility on various levels of recreational flying. It will forgive you many mistakes and prepare you for further development. What's new?

long time you will keep discovering its

capabilities, while it will provide you with

A new internal structure, based on 3Y supports increased lateral stability ٠

less line resistance = better performance new risers with ball-bearing pullevs ٠

The changes in the new version of Nemo were primarily aimed at improving the load Purpose and design Advanced software, combined with many years of Piotr Dudek design experience,

allowed to create a wing with excellent

parameters, ideally suited to the needs of

complete a full set of sizes for their students.

The weight ranges were selected so that the flying schools will find it easy to

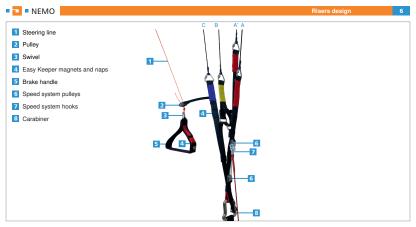
winch start, as well as paramotoring.

good performance and high safety. Its operation is simple and its control is pleasant and effective. Moreover, it's verstile - it's design parameters include

The Nemo 5 is produced in new technology, utilizing capabilities of precise laser cutter. All stages of the production process take place as our Polish plant under closes upervision of the designer himself thus ensuring highest European quality.

Careful selection of modern fabrics and design solutions brings about great

strength and durability of the canopy. All materials used come fro marked production batches, and each production step can be verified down to identification of individual worker and controller





speed-system affecting A and B risers when engaged, featuring ball-beared pulleys and a dedicated cord.

For quick and easy recognition in emergency, some of the risers are distinguished with coloured covers as follows:

 speed-system affecting A and B risers should not be altered.

Attaching the handles above factory markings will cause constant braking of the paraglider, possibly cause of an accident. Overly loose setting of the brake lines is not advised too, since the much lower load on the trailing edge lines can sometimes be dangerous too.

A - red (used for launching)
A' - red (used for big ears).

B - yellow (used for B-stall),
D - blue (needed to keep the glider down in strong wind – aborted

launch).

٠

TCT

Triple Comfort Toggles

Addressing different needs of our clients we have created a TCT system - Triple Comfort Toggle, making it possible to have your brake handles in rigid, half-rigid or soft configuration without need to purchase additional handles.



The soft handle is obtained when no insert is used.



Operation

It's pilot responsibility to choose a canopy matching his skills. Dudek Paragliders cannot take responsibility for a wrong choice, but we

are always ready to advise you - just

contact us Weight range

Each size of the canopy is certified for specific weight range, meaning total takeoff weight including the pilot, harness, equipment and the canopy itself. Exceeding maximum take-off weight

described in technical data of the paraglider ("Pilot's weight incl. equipment") increases risk of an accident in case of pilot's error. The smaller canopy area as compared to take-off weight, the greater

the risk

hyperreactivity.

weight are omitted!

Paragliders considerably change their character due to increased load and each experienced pilot should perfectly understand that. The biggest danger

induced by overloading the canopy is its

Caution: Check your real take-off weight! Some pilots calculate their take-off weight by just summing up catalogue numbers, e.g.: paramotor 29 kg + canopy 6 kg + pilot

87 kg = ca. 120 kg. In fact your actual takeoff weight can be umpteen kilograms bigger. Most often we forget the clothing, electronics, backpacks, sometimes even such basic things like fuel or rescue chute

What harness?

You can use any certified harness which has its hangpoints at 40-45 centimeters from the seatplate. The width between carabiners should be somewhere between 37 cm and 45 cm.

Caution: Please note that any modification of seat/hang point distance changes the position of the brakes as related to pilot's body. You must remember that in each harness your steering range will be different.

Speed system Nemo 5 is as standard equipped with a speed system. It consists of a cord sewn into the A riser, leading through two pullevs and finished with a loop and a hook. His is where you attach the speedbar cord.

original length.

the certification invalid!

and B risers. Pressing the speedbar shortens first the A risers, before first use then gradually the A' i B. C riser retains its

Caution: Ill-adjusted speed system renders

The speed system affects A (including A')

How to adjust it?

Most of modern harnesses are equipped with speed system pulleys and sometimes even its own integrated speedbar. The

speed bar cord must be firmly attached to it. The other end of the cord must be ran

on the risers touch each other at may

upward through the harness pulleys and attached to the hooks. With well adjusted speed system you should see the pulleys

speedbar, meaning you are using the full range of speed system. Caution: Make sure that both cords on the

speed bar are equal, as even slight difference can result in constant inadvertent turning of the paraglider.

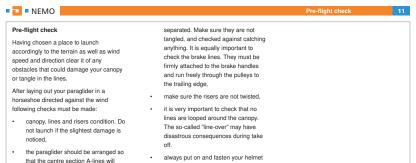
Before take-off attach paraglider risers to the harness with the main carabiners. Then connect the hooks of the speed system

Caution: Before launching make sure that the speed system is not tangled and runs freely.

cords with hooks at the A-risers.

Other systems

This paraglider has no other systems which can be adjusted, exchanged or removed.



before clipping in to the harness,

check main carabiners. They must be

properly mounted, closed and locked.

make sure that all quick links (maillons) of the risers are tight.

strain earlier that the outer ones. This ensures easy and symmetrical launch.

the leading edge should stay taut and

all lines and risers should be

even.

for the forward launch, turn back to face

down and back.

Should be used with little or no wind Facing the wind place the risers over your

shoulders (A riser must lay on top). Clip it into carabiners and lock them. Grip

the brake handles and A-risers, holding them at the stitching, just under the quicklinks. To make things easier, A-risers have been markedwith a red cover. Spread out your slightly bent hands, keeping them

All other risers should be placed near your elbow ioints. Apply some tension to check if the A risers

stay on top and the lines are not tangled. Take a step back, bow down a little and run forward. After the initial inflation smoothly

move the hands with the risers up and over your head until the wing will be directly

above you. Let the A risers loose and check the wing.

on position of the paraglider. Side drift is corrected best by moving yourself always under center of the canopy. In order to keep wing in the air the suspension lines

winds you can control the wing while standing still. When leaving the ground apply some brakes, then release it after gaining some

relaxed.

Reverse launch

distance from the ground. Keep your hands

Pump out possible faults and keep an eve

must stay taut all the time, so in light winds

you will have to run forward. With stronger

To be used when wind speed exceeds 3 m/s

symmetrically and the lines are not tangled.

paraglider rise.

Building up tension with a few steps back and simultaneously lifting the A risers (do

Make sure that the wing inflates

handles in your hands).

you steer the left side with you left hand and vice versa. Now take corresponding A risers on both sides (still keeping brake

Unclip the brake handles from rear risers and grip it outside of the risers without crossing neither arms nor lines. In this way

not pull them towards you) will make the

When it arrives over your head, stabilize it

with the brakes, check again if all lines are

the wing, moving one riser group over your head. As a consequence, you will have the risers crossed.

After clipping the risers into carabiners as



NFMO

clear and the cells inflated risers, you can find proper connection of the speed system particularly hard. Be When turning into wind, remember to turn careful not to confuse the risers! the right way (hint: always do it the same

and smooth. While turning you have to release the brake handles and grip them again facing forward, so that again the left one is in the left hand etc. I ast check of the wing & free space to launch and off you go, running into wind with eventual light braking when taking off. Remember: When deflating the canopy in strong winds (e. g. aborting a launch), use

the C risers, not the brakes. Using the

and drag him/her back.

direction) and to keep the lines strained at all times. The turn itself should be quick

brakes in strong wind can lift the pilot up

Caution: When clipping in the crossed

Turns

Nemo 5 is an agile wing, with smooth reactions to all pilot's actions. Handling is actually easy and forces grow proportionally to position of the brakes.

Adding some weight shift will make the paraglider turn really guick and tight. The combined technique (weight shifting and brake input) is by far the most efficient method of turning. Turn radius is then

determined by the amount of inside brake used and weight shift. Additional application a little outside brake after initiating the turn with maximum weight shift increases turn efficiency and the outboard wing's resistance to collapse (in turbulence, the edge of a thermal etc).

In case of necessary turning in confined

recommended to steer the decelerated

area at slow speed (e.g. slope soaring), it is

canopy by loosening the brake at the outside of the turn while applying just a little more brake on the inside

Caution: when entering a turbulent area you should brake a little to put up the tension. It will allow you to react instantly in case of a problem. Too hard or too quick pulling of one brake can cause the wing to enter a spin.

Thermalling and soaring

When flying minimum sink is reached with slight brake pressure applied (5 to 10 cm, depending on pilot's weight). In turbulent conditions the canopy should be flown with a small amount of brake applied. This

should neither rock back nor surge

improves overall stability by increasing the angle of attack of the canopy. The canopy

brakes when entering a thermal (according to its strength) and brake it on exiting. This is part of basic active flying that can spare you many potential collapses. When soaring the slope, minimum height of

In order to achieve it, the pilot should

accelerate the canopy by letting off the

50 m above the ground is recommended for safety reasons. It is important to comply with air traffic rules, especially when many pilots share airspace close to the hill.

The avoidance manoeuvres often happen to be impossible in such conditions.

Flying with speed-system engaged When flying into head wind, through sink, or during long transitions between thermals it is advisable (for the sake of best glide angle) to increase speed, as long as

conditions are not too turbulent In order to accelerate your flight you have

to put your feet on the speedbar and push it forward. If you happen to feel tension drop when pushing the speedbar, it can be

a sign of imminent frontal collapse. In this case release the bar immediately.

Caution: Watch out for such things - fast reaction can spare you most of the frontstalls, always possible when using the speedsystem.

Remember:

Speed system operation diminishes your paraglider's angle of attack, so that its airspeed is increased, but simultaneously the canopy becomes less stable. The airflow becomes more dynamic, too. Therefore you

turbulent conditions, close to the ground or near other airspace users!

When speed system is engaged, do not use the brakes as it can make your paraglider more susceptible to frontal collapses. In such situations

Caution: Accordingly to increase in speed the angle of attack diminishes, so the canopy is more susceptible to front

collapses than in normal flight. The faster is your flight, the more dynamic

should avoid using speedsystem in

Do not use speed system during

does collapse when accelerated,

release the speed bar immediately and correct the situation as usual.

you should control your direction with

C risers (blue cover).

extreme manoeuvres! If the canopy

Tandem flying

are possible collapses and stalls.

Nemo 5 is not certified for tandem flying.

Winching

Our paraglider has been successfully tested for foot launching by winch. First phase of the winch take-off is analogous to classic launch.

the ground, as the winch line gets loaded. Avoid large heading corrections in first stage of flight up to altitude of 50 meters. During this stage do not sit deep in the

increase above safe level.

harness in order to be ready for emergency landing in case of e.g. winch line break. Make sure that your brakes are fully released, so that angle of attack does not

After rising the canopy you will be taken off

During all winch it is recommended to control the direction by weightshifting only. Steering lines should be used only for considerable heading corrections, but even then do not pull them too much in order to avoid danger of stalling your wing.

winching.

Adjust your heading regularly when winched, so no large corrections are necessary. Remember there are several conditions to be met when winching:

pilot should be properly trained for the winch with all gear should be in good condition and specialized for paraglider winching.

the winch operator must be properly

- trained in winching and servicing the gear.
- The wing must not be winched with forces exceeding 90 daN, and under any circumstances must not be towed by any vehicle not equipped properly

or controlled by unskilled operator.

Paramotoring

During tests a lot of successful fligths were made, both using the winch and the paramotor. In flat areas this are the only

ways to get some altitude after launch. There are no contraindications for using

the Nemo 5 in motoparagliding.

Caution: During launch, especially winched or with a paramotor, always remember to bring the wing directly over your head. The aerofoil and its angle of attack were

arranged so as to give maximum lift coefficient with relatively high safety level. Therefore if the canopy is not pulled enough, it can stay behind the pilot, rendering launch difficult and/or dangerous.



Caution: Strong wind landings hardly require braking, if at all!! Use C-risers to deflate the canopy after landing. Using the brakes will probably result in pilot being lifted again and dragged backwards.

The final glide of the landing approach should be straight and smooth. Steep or alternating turns can result in a dangerous pendulum effect near the ground.

much brake is used.

■ ■ NEMO

Neutral risers position

- Slowest speed, Minimum sink.
- Launch configuration.

Size	20, 23	25, 28	31
Α	515	535	555
A'	615	635	655
В	515	535	555
С	515	535	555

^{*} lengths of the risers incl. maillons, length tolerance +/- 5mm

Full speed

- Increased speed,
 - Increased sink.

Size	20, 23	25, 28	31	
Α	390	390	390	
A	490	490	490	
В	430	430	430	
С	515	535	555	

^{*} lengths of the risers incl. maillons, length tolerance +/- 5mm



Big Ears

weight-shifting.

In order to get the big ears you have to pull down the outer lines of the A' risers (distinguished by red sheath, 10 cm longer than others) by some 20-50 cm. While inducing big ears you should never let the brakes out of your hands. After tucking the tips in, the wing will continue to fly straight with increased sink rate (up to 5 m/s). You

can steer the wing pretty efficiently by

After releasing lines, the paraglider will

usually open up on its own or you can assist it with a long stroke of the brakes. until the tips unfold. For the sake of safety (the possibility of a parachutal stall)it is reasonable to engage speed system after pulling big ears in order to lessen the angle of attack of the wing centre.

R-stall

To enter a B-stall, simultaneously pull down both B-risers (yellow cover) by ca. 10-15 cm. The canopy will collapse across the entire span along its B-row, the airflow over top surface will break and projected canopy surface will be decreased. Forward movement will be almost completely stopped. Further pulling B-risers is not advised, as

To exit a B-stall, the risers should be released in a smooth and decisive manner.

instability. If the canopy forms a horseshoe,

testes have shown it to increase wing

gently pull both brakes to recover.

On guick and symmetrical releasing B-lines the airflow will be reinstated and the wing will surge forward, returning to normal flight. The surge forward is minimal due to

stability of thre reflex profile, so braking is

not necessary. Spiral dive

Nemo 5 is an agile paraglider, so entering spiral dive happens quickly and can be surprising for the less experienced pilots. A spiral is characterised by reaching the highest sink rates possible.

Significant G-forces, however, make it difficult to sustain a spiral dive for a long time, as it can place high loads on both pilot and glider, to degree of losing consciousness by the pilot. Never do this manoeuvre in turbulence or at too high bank angles.

Control the dive and do not exceed 16 m/s sink. If the dive is not stopping after releasing the brake, assist the glider with

the outer one

Caution: Never do spirals or wingovers with big ears pulled. That's another example of concentrating whole load on reduced wing area, which - combined with high G

manoeuvres - shifts the peak loads

unnecesarily close to their maximum

values. Wing over

aerobatics.

You make a wingover by performing a series of consecutive, alternating turns with increasing bank angle. Too aggressive banking with unsufficient control can result

Aerobatics Nemo 5 was not designed to do any

with a massive collapse.

should be practiced in smooth air and only with sufficient altitude margin! Full stalls and spins are to be avoided as they are not recommended techniques of clearing dangerous situations. Irrespective of paraglider type they may lead to dangerous consequences!

Caution: All rapid descent techniques

Important: By far the best technique is safe and correct flying, so that you will never need to descend rapidly!

Caution: Extreme flying manoeuvres should only be carried out during safety training courses (instability training) under proper guidance!

One sided collapse

Can happen in strong turbulence. With collapses up to 50% pilot has a couple of seconds to react before the wing will enter rotation. Standard counter-steering is enough to keep the paraglider on course. Under normal conditions the canopy will

reinflate instantly and spontaneously...

Frontal collapse

Can happen in strong turbulence. Active piloting will usually prevent its occurrence. Nemo 5 is a modern paraglider with significantly stiffened leading edge. Tests

have shown that most often canopy reinflates spontaneously, however in specific turbulent conditions it is possible that airflow will keep the leading edge

reaction is advised - a measured braking at the right moment will greatly speed up the recovery.

collapsed. That's why an instant pilot's

Full stall and negative spin

Practically do not occur, may happen only as a result of serious neglect or intentional action of the pilot. You have to be careful when flying at very low speeds until fully familiar with brake operation.

The canopy recovers spontaneously in initial phase of stall, otherwise use standard procedures.

Deep stall

Under normal conditions does not occur. If you want to prevent it at all, simply stick to a couple of rules:

- after B-stall, release the risers quickly and evenly. Don't be afraid - the canopy does not jump forward excessively.
- after big ears execution, engage the speed system. This will increase both the sink rate and safety margin, as big ears constitute an effective aerodynamic brake with significant loss of speed.

Nevertheless, if such a parachutal stall happens e.g due to strong turbulence. simply apply some pressure on speed bar and/or push the A risers forward.

I ine over and cravatte

It is a modern wing which, in order to decrease drag has fewer suspension lines

with greater distances between them, as well as stiff leading edge. That's why it's always possible that after a

tuck one of the stabilisers may tangle in the lines. Usually a couple of pulls with a brake settles the matter. If it's not enough, try to untangle it with big ears or a stronger pull

on the risers Important: In case of any doubts you should seriously consider throwing the rescue chute.

Emergency steering In case of any malfunction rendering

normal steering impossible, you can safely steer and land the paraglider using the C-

configurations

manual.

risers (blue marking) or stabilo lines.

Special procedures and other

Flying on Nemo 5 does not require

knowledge of different procedures and configurations than those described in this

storage.

Packing and storage

Nemo 5 design incorporates modern technologies, including nylon lines in the leading edge. That's why the paraglider should be carefully packed, with proper conditions ensured for transport and

Basic rules to be followed when folding the canopy:

- Fold it accordion-wise rib to rib (cell by cell). Do not fold it by halves, placing the stabilizers at the centerline
- When a compact package is created on the longest chord do not roll it, but fold three to four times (depending on the chord length) from trailing edge

towards the leading one.

- The leading edge remains on top of folded canopy.
- - Never pack you paraglider too tightly. Optionally pack the wing into a

dedicated WingShell.

If you have completely prepared your gear but have to wait for launch, a good idea is to use a quickpack, to protect your wing against moisture and UV rays.

Never pack or store the glider when wet, as it significantly shortens life of the fabric.Remember that the wing becomes damp even while lying on green grass in

Caution: Locking a wet paraglider in a car exposed to sun is absolutely unacceptable! Hot car interior acts like an oven and tests have shown that color bleeding/transfer

direct sunlight, as the grass transpires.

can happen even at 50 Celsius degree. The warranty does not cover such

damages! While drying, never expose your paraglider to direct sunlight operation.

Store the paraglider in a dry place, away from chemicals and UV exposure. Ideal storage temperature for the paragliders is 5 to 25 Celsius

Cleaning

Clean the paraglider with water and a soft sponge. Do not use any chemicals or alcohol, as these can permanently damage the fabric.

Deterioration - a few tips

The paraglider is made mainly of Nylon - a

fabric which, like any other synthetic

material, deteriorates through excessive exposure to UV rays that come with the sunlight.

Hence it is recommended to reduce UV exposure to a minimum by keeping the paraglider packed away when not in use.

remain in the sun for long.

Suspension lines in this paraglider consist of Technora inner core and polyester sheath

Even when packed in a bag, it should not

Submitting them to excessive bending and loading in flight should be avoided, as it can cause irreversible damage.

Please note that with frequent kiting on a

field or a small hill your paraglider will deteriorate more quickly due to its repeated rising, falling and being dragged around.

Uncontrolled strong wind takeoffs or

landings can result in the leading edge of the canopy hitting the ground hard, which may seriously damage the ribs, sewing and surface cloth (including coating damage).

Keep the paraglider clean, since getting dust in the lines and fabric will reduce their durability. Be careful to keep snow, sand or stones from entering the cell openings; their

while sharp edges can damage the cloth. Prevent lines from catching anything, as they can overstretch or tear. Never step on the lines.

weight can slow or even stall the glider.

Knots can chafe suspension and/or brake lines Check the length of your lines after tree or

water landing, as they can stretch or shrink. The lines can be measured at the

After landing in water you should check the wing fabric as well, since the wave forces can cause the fabric to distort in some

areas. When taking the wing out of the water. always do this by trailing edge. After a sea landing, rinse the paraglider with fresh

water Since salt crystals can weaken the suspension lines even after rinsing in fresh

water, you should replace the lines with new ones immediately after contact with salt water.

accelerates deterioration of the paraglider. as salt present in the sea breeze can make the lines stiffen and even break

Frequent flying near oceans and seas



manufacturer, authorised distributor or an authorised workshop. It is acceptable to fix minor cloth damage with self-adhesive patches included in the package.

Inspections Full Inspection is recommended every 24

months or every 150 hours whatever comes first, if not advised otherwise by the inspecting person due to paraglider's condition.

condition.

In case of paragliders used commercially (e.g. in schools or tandem flying) a Full Inspection is recommended every 12

(e.g. in schools or tandem flying) a Full Inspection is recommended every 12 months after first 24 months from purchase date or every 100 hours airtime (whatever comes first). paraglider is a big expense for every pilot. That's why we guarantee quality of our products, as well as optionally we are offering a security system that will allow you to insure your paraglider against possible damage and repair costs with an AeroCasco insurance.

We are aware that purchase of a new

Dudek Paragliders guarantees free of

Warranty:

charge repairs in case of damages caused by the material or production flaws: For the free-flying paragliders

flown is counted double (not

concerning PPG paragliders).

warranty covers 36 months (3 years) or 300 flight hours, whatever comes first. If the free-flying paraglider is used for powered flights, every hour

For the paramotor canopies (PPG) warranty covers 24 months (2 years)

or 200 flight hours (whatever comes first). For the mountain wings (MPG), speedflying, schools or professional users warranty covers 18 months 1,5 year) or 150 flight hours (whatever comes first).

Warranty does not cover any of the following:

- canopy colour fading as well as bleeding caused by improper storage/ transport. damage caused by chemicals or salt
- water. damage caused by improper use,
- damage caused in emergency

damage resulting from accidents (airborne or otherwise), consumables (e.g. trimmer tape).

Warranty is only valid if:

situations

flight hours can be identified basing on properly kept logbook of the owner (and his possible predecessors) with marked PPG hours

- the paraglider is used in accordance with the operating manual, the owner did not make any repairs by him/herself (excl. minor repairs with
- self-adhesive patches). the owner did not make any modifications

 - the paraglider can be unmistakably

identified by data sheet/sticker,

 the paraglider has been properly inspected at all times.

Caution: In case of damages caused by the

material or production flaws please contact the dealer that sold you the gear. The dealer will determine further actions.

If you have bought the paraglider secondhand, ask previous owner for a copy of his logbook (covering entire entire use of ther paraglider from the day of original

purchase). AeroCasco

Standard warranty does not cover repair costs of damages caused by the user or a third party. Since costs of such repairs can be considerable, Dudek Paragliding offers

an AeroCasco insurance. It offers a one time repair of any mechanical damage, no matter how big and who caused them.

The only expenses you will be facing are shipping costs and the share-of-cost amount.

AeroCasco can be purchased for a brand new paradiders only (at the purchase).

Caution: AeroCasco is not available for all paragliders (check before purchase). It can be purchased only for privately used paragliders.

AeroCasco covers only damages occuring while taking-off, flying or landing. Obviously, all faults in the material and manufacturing flaws are covered by normal warranty.

When handing the paraglider for the repair

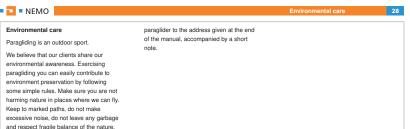
you have to present a card confirming its AeroCasco status. After the repair you will have to cover only the share-of-cost. AeroCasco is valid for one repair only during covered time.

AeroCasco for one further year. To do this you have to send your paraglider for inspection to the manufacturer not later than a year after the date of purchase. Remember to include the AeroCasco confirmation when you send the paraglider

for inspection.

There is a possibility of extending

AeroCasco does not cover any of the following: theft, canopy discoloration, damages caused by incorrect storage damage ot transport, damages caused by chemicals, salt water or force majeure.



Recycling of used gear A paraglider is made out of synthetic materials, which need to be properly

disposed of when worn out. If you are not able to dispose of the paraglider properly, DUDEK Paragliders

will do that for you. Just send your

٠

٠

The Dudek paraglider you bought

should include following items:

a backpack or MotoBag (optionally) transport bag (with your canopy inside)

the paraglider itself (canopy, lines and risers) compression strap to keep the canopy

together speedbar (Easy Catch - optionally)

wingshell (optionally). wind indicator (windsock or a strap) pocket with paper work and repair

wallet including: piece of self-adhesive fabric (10 cm x 37.5 cm) for small repairs. Note that even small tears

small gifts

are to be repaired by an authorised service only. looped and stitched suspension

located in the vicinity of stitches

line (the longest of all lines in the

paraglider) to be used as a temporary replacement. Do not cut it if you have to temporarily replace a shorter one, just tie it at the length needed.

paraglider passport with entered date of purchase and valid technical inspection (please check the serial number with the sticker on wing tip).

USB drive with this manual

Nemo 5	20	23	25	28	31
Certification	EN A	EN A	EN A	EN A	EN A
	LTF A	LTF A	LTF A	LTF A	LTF A
Approval - ULM identification	yes	yes	yes	yes	yes
Number of cells	42	42	42	42	42
Surface area (flat) [m²]	20,60	23,00	25,30	28,00	31,00
Surface area (projected) [m²]	17,21	19,22	21,14	23,40	25,90
Span (flat) [m]	10,20	10,78	11,30	11,89	12,51
Span (projected) [m]	7,97	8,42	8,83	9,29	9,78
Aspect Ratio (flat)			5,05		
Aspect Ratio (projected)			3,69		
Speed [km/h]		trim = 37	; max = 47	+ - 2km/h	
Max. chord [mm]	2498,00	2640,00	2769,00	2913,00	3065,00
Min. chord [mm]	719,00	760,00	797,00	839,00	883,00
Distance pilot to wing [m]	6,12	6,47	6,78	7,13	7,51
Total line lenght [m]	217,91	230,76	242,47	255,55	269,37
Total take-off weight - PG [kg]	45-75	55-80	70-95	85-110	100-135
Total take-off weight - PPG/PPGG [kg]	45-90	55-100	70-115	85-130	100-155
Maximum symmetric control travel at maximum weight in flight [cm]	55,00	55,00	60,00	60,00	65,00
Distance betwen risers [cm]	40,00	42,00	44,00	46,00	48,00
Weight [kg]	4,04	4,40	4,65	5,03	5,47

Nemo 5

Lines	Technora: 050/090/140/190/280 ; Dyneema: 180/200
Fabric	Porcher 32 & 38 g/m2 & Dominico tex 34 g/m2
	Pocher Hard 40 g/m ²
	SR Scrim, SR Laminate 180 g/m ²
Risers	PASAMON - Bydgoszcz, Polska

^{*} Detailed list of materials used for the manufacture can be found in service documents file on the page of a wing, available on our website www.dudek.eu.

the next page, while tables of line lengths you will find in attachments to this manual. Lengths are measured with a specialised, computer-operated device. All the lines before measurement are stretched with a

The rigging scheme itself is published on

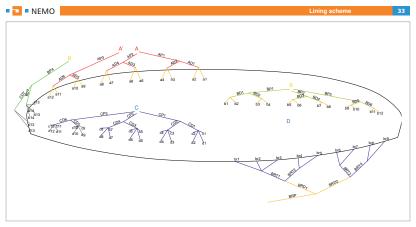
steady 5 kg load. Thanks to abovementioned device and proper procedures, final tolerance of line lengths does not exceed +/- 10mm.

Note: Distances given below are to be understood as distances between connection points. When cutting a line for repair, 20 cm extra must be added, as at each end a 10 cm stitch is required to fix the loop. The only exception is the main steering line (BRP), which is looped only at the upper end, with at least 150 mm margin for fastening brake handle (this means for

Note: Accordance of all suspension and steering lines as well as risers with dimensions given in this manual has been confirmed by testing center after

completing the test flights.

needed).





By purchasing our gear you've become an important part of Dudek Paragliders family!

Share your experiences with the entire community and stay current with new offers by joining our fanpages:









Movies and pictures

If you have interesting photos and films of your flying by all means send them to us, and we will share them with our entire community:

media@dudek.eu

Do not forget to label everything you publish in social media with #dudekparagliders!



your wing?

your skills?

Write us! Send an email to:

support@dudek.eu

and our specialists will answer all your

questions!

Or maybe you seek advice in honing





If you respect the rules of safe flying and proper glider care, you will enjoy many years of pleasant airtime on your Nemo 5. Still, you must be aware of possible dangers and face them wisely.

You must accept the fact that all air sports are potentially dangerous and your actual safety depends solely on you. We insist that you fly safely, and this concerns both the weather choicesafety margin during all

manoeuvres.

Caution: Flying the paragliders is always your own responsibility!



