



CUSTOM  
**PARADACTYL™**



by  
*Jim Handberg*  
LASKUVAJUTARVIKE KY  
Aloittentinkatu 23 A  
31100 KARKAS  
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PARADACTYL™

by

*Jim Handberg*

**LASKUVARJOTARVIKE KY**  
Aleksanterinkatu 29 A  
33100 TAMPERE 10 puh. 29020

**Manufactured  
and**



**Distributed World-Wide by:**  
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Orange, Mass. 01364 U.S.A.  
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# PARADACTYL FLIGHT MANUAL

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## BRIEF HISTORY AND DEVELOPMENT OF PARAWING (PARADACTYL)

- 1948 — All flexible "parawing" flown as a small size kits by Francis M. Rogallo.
- 1951 — Francis M. Rogallo patents "flexible wings" concept initially based on non-rigid kite theories.
- 1951-7 — NASA conducts extensive theoretical tests on various "stiffened" and fully "limp" parawings, for space recovery applications.
- 1957-1966 — Irvin Industries Inc. & Pioneer Parachute Co. Inc. conduct first manned jumps on parawings at Ft. Bragg, N. C.
- 1967 — Irvin Industries Inc. introduces first commercial parawing for sport jumping — high inflation loads and control problems limit acceptance at this time.
- 1969 — The Delta II Parawing is introduced by Steve Snyder Enterprises, Inc., incorporating new design improvements.
- 1975-Sept. — Jim Handbury develops several modifications of the Delta II Parawing. The modernized canopy was named "Paradactyl" by Jim Handbury. Steering slots and flaps were removed, lines were shortened and the angle of attack increased. Several hundred jumps were made to develop a reefing system which involves slider reefing.
- 1976 — Captain Hook and the Sky Pirates helped Jim Handbury develop and test the present model. Captain Hook and the Sky Pirates won the 1976 Nationals with Jim Handbury's Paradactyl. The canopy is now being built by Jim at Parachutes Incorporated in Orange.
- 1977 — Your turn?

## INTERESTING FACTS ABOUT THE PARADACTYL

*Linkausuhde ei riipu tuulesta.*

The L/D or glide Ratio does not change under various wing loadings.

*"Kullan" paraneen painon kasvessa*

The effective "penetration" will increase as suspended weights increase.

*Paradactylille ei pidä tehdä myötätuulilaskuja*

The Paradactyl should not be landed downwind.

*Kaikki tarkkuuslaskut on tehtävä maahan suuntaan tai*  
All accuracy approached should be made from the side or behind the target using "back door" technique. *takaa kääntään n. 100m:n tekniikka*

*Normaalin laskun aikana suuruuslasku 50% nostosta*  
During normal glide, approximately 50% of the supporting lift is due to the forward speed of the chute. *on n. 100m eteenpäin menosta johtuva*

*Tuikkopäät tai täysin jarrut ei pidä käyttää maan lähellä*  
"Deep" or full brakes should not be used near ground due to resulting high sink rates that develop and forward speed is lost. *koska nauha pyörii ja rajoitus nopeus*

*Paradactyl on litoitus ja suosittelun kokenneiden hyp- kassa*  
The Paradactyl is a high performance parachute and is recommended for use by experienced jumpers. *(over 100 jumps) pääjen käyttöön (yli 100 hyppyä)*

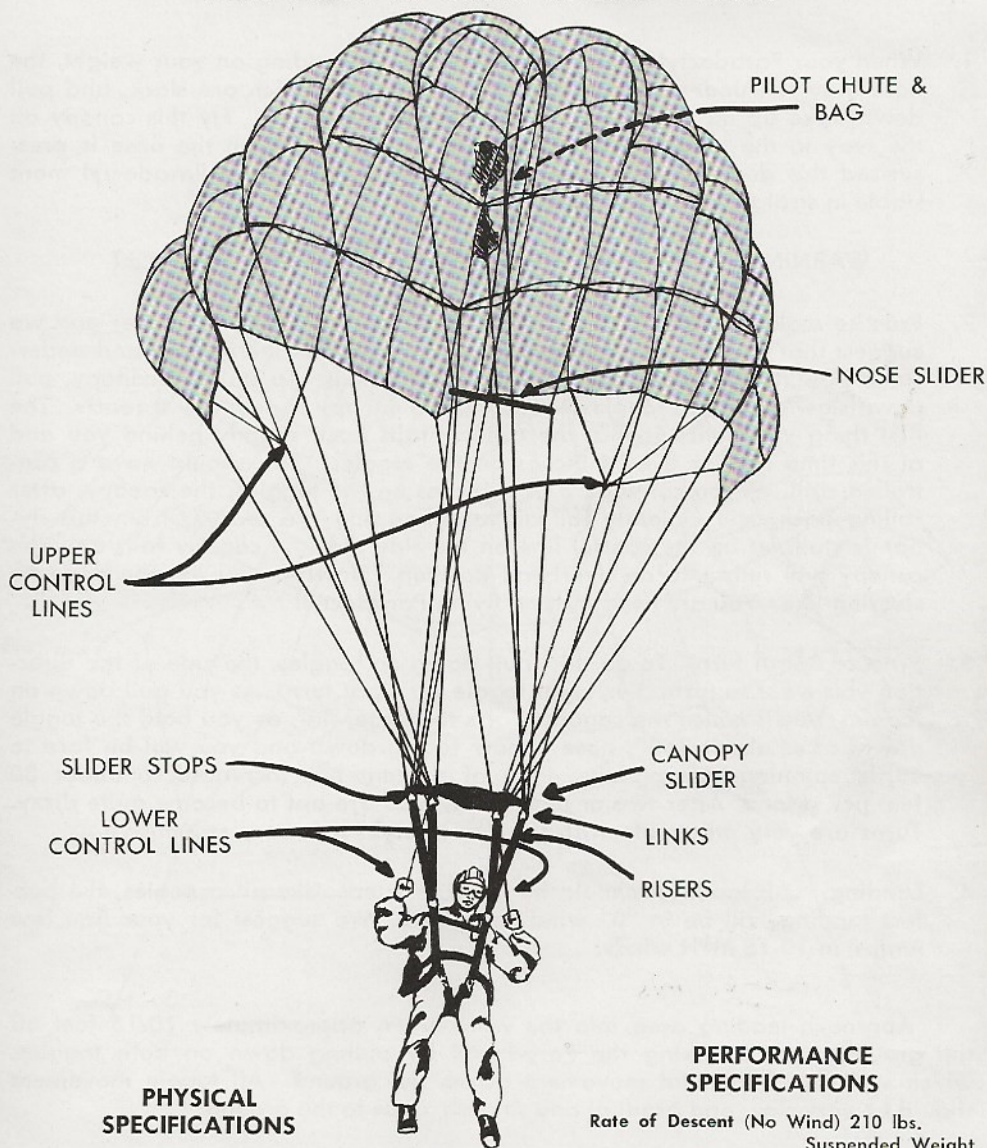
Sharp or fast turns should not be attempted near the ground (under 200 ft.) due to high bank angles and the increased rate of descent.

*Tuikkopäät tai nopeita käännöksiä ei pidä yrittää liian*  
uunissa (alle 60m) suuremman "kääntökulmilla" ja kasvaneen

*vajonnoisnopeuden vuoksi.*



# PARADACTYL COMPONENT PARTS



## PHYSICAL SPECIFICATIONS

Keel Length .....	14 ft.	<i>4.27m</i>
Wing Area (actual) .....	240 sq. ft.	<i>22.3 m<sup>2</sup></i>
Suspended Weights .....	120:210 lbs.	<i>54,5kg; 95kg</i>
No. of Sections Canopy Body ..	14 Gores	
of 4 Panels each		
No. of Sections Nose, 1 of 2 Panels each		<i>0.23</i>
Material Porosity .....	10:20 cu. ft./min.	<i>0.28; 0.56 m<sup>3</sup>/min</i>
Canopy Material .....	0.75 and 1.48 oz.	<i>21.2kg in 41.95g</i>
	Ripstop Nylon	
No. of Suspension Lines .....	16/750 lbs.	<i>16/340,2kg</i>
	Tensile Each	
	8 Picks per inch Dacron®	

## PERFORMANCE SPECIFICATIONS

Rate of Descent (No Wind) 210 lbs.	
Suspended Weight	
• Standard Glide .....	14:16 ft./sec.
• 50% Brakes "Normal Flare For Landings" .....	Approx. 15:17 ft./sec.
• 75% Brakes .....	Approx. 16:19 ft./sec.
• Full Brakes "above the Disc OK" .....	Approx. 20:29 ft./sec.
• Stall "Never under 2000" .....	
Glide Ratio (Lift to Drag) .....	2:1
Flight Speed .....	15.5:18.2 MPH
Turn Rate (360°) —	
— From Straight Flight .....	3.0 Sec.
— After 1 Revolution .....	1.5 Sec.

## FLIGHT INSTRUCTIONS AND CHARACTERISTICS

1. When your Paradactyl opens you will notice, depending on your weight, the nose may roll under. Grasp the steering toggles, which are slack, and pull down, take up all the slack, this will reinflate the nose. Fly this canopy all the way to the ground keeping the nose inflated. When the nose is pressurized this decreases the rate of descent and makes the Paradactyl more stable in straight and level flight.

KAUKKI HARJOITTELO YLI 2000 m!  
**WARNING: ALL PRACTICING SHOULD BE ABOVE 2000 FEET**

2. Practice making turns, left and right. Stalls are a violent maneuver and we suggest that you do one or two stalls so that you feel the canopy and understand how it will react under abnormal conditions. To stall the canopy, pull down slowly on both toggles, watching the canopy to see how it reacts. The first thing you notice is that the canopy falls back slightly behind you and at this time release 3 or 4 inches on the toggles. You should have a controlled stall. If you continue 3 or 4 inches on the toggles, the canopy, after falling back, will violently fall off to either side. To recover from this dynamic stall, let up the control line on the side that the canopy falls on. The canopy will return to an overhead position. Slowly let up on the opposite steering line. You are now under a flying Paradactyl!
3. Practice Spiral turns. To do this, pull down on toggles, the side of the direction you want to turn. i.e., right toggle for right turn. As you pull down on toggles, you'll notice the canopy starts to rotate, flat, as you hold the toggle down, after about 360°, nose is now facing down and you will be face to earth, spinning horizontally. Rate of descent has increased to about 30 feet per second. After two or more turns, you are apt to become **quite dizzy**. Turns are very enjoyable with the Paradactyl. It is very responsive.
4. **Landing:** All landings should be into the wind! Like all canopies, the perfect landing will be in "0" wind conditions. We suggest for your first few jumps; **in 10-15 MPH winds.**

4.8 - 6.7 m/s

3 - 4.5 m

Approach leading area into the wind when approximately 10-15 feet off the ground, start breaking the Paradactyl by pulling down on both toggles, which will stop horizontal movement across the ground. All toggle movement should be very slow and gradual and smooth, close to the ground.

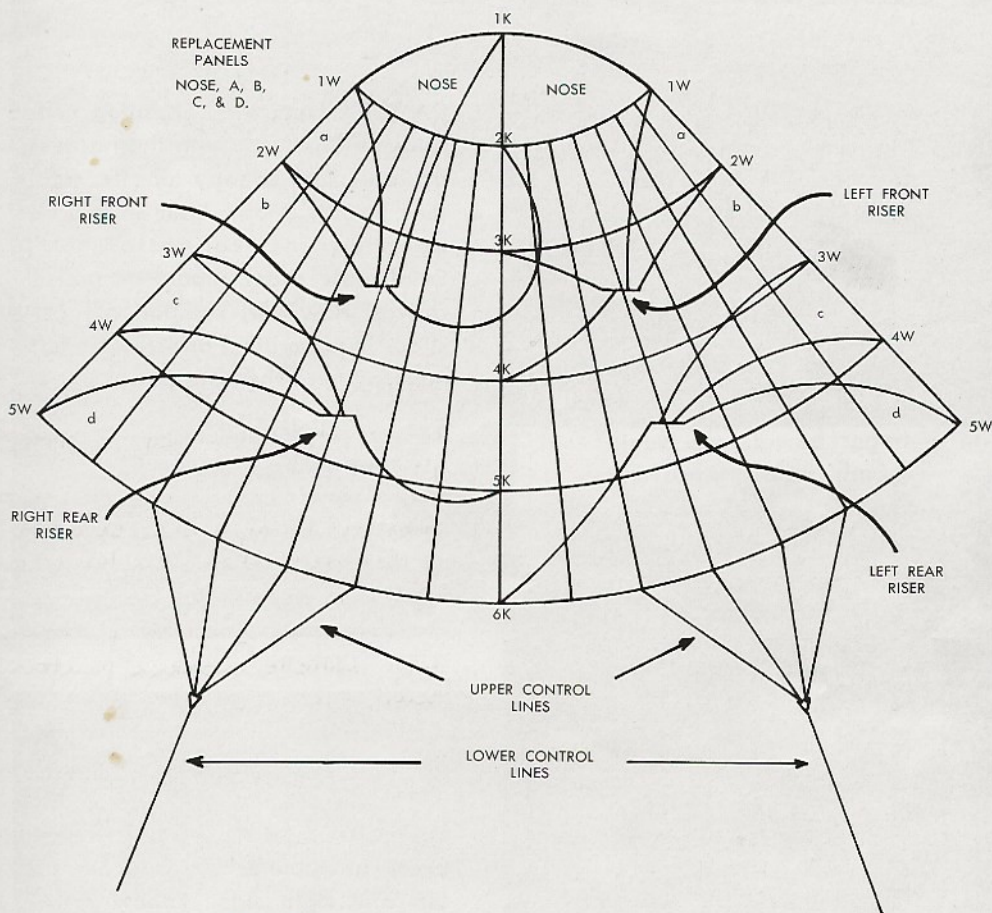
**No-Wind Landings:** Nose must be held pressurized by gentle pressure on the toggles. Please face into wind, regardless of how slight the wind appears, smoothly, and gradually pull both toggles to break and stop the forward speed. Ideally, you are trying for a touch down as the canopy starts to fall back. The ultimate no wind landing.

**AVOID FLYING DIRECTLY BEHIND ANOTHER CANOPY BECAUSE OF THE UNSTABLE AIR!!!! ROUND, SQUARE OR ▲**

The Paradactyl is a flying parachute. If you find yourself behind another canopy, you may experience some bouncing. This is fun but at 1500' PLEASE.



# LINE CONTINUITY AND REPLACEMENT LINES



Replacement Lines are reasonably priced and available from your nearest dealer, or write: Parachutes Incorporated, Box 91, Orange, MA 01364, USA.

**WARNING: DO NOT REPLACE LINES!!!**

## PACKING CANOPY CAN BE PACKED ON EITHER SIDE



Fig. 1



Fig. 2

**CANOPY LAYOUT** — Position container on its back with the harness up and lay canopy on its side. (See fig. 1). Main slider should be down against connector links. Small nose slider should be pulled down. However, position of nose slider is not critical and can be left midway near the nose as per fig. 1.

Reppin selällään, räljaat yöspäin ja kupa kyljelleen.  
Pääslideri alas yhdysrenkaita vasten, Pieni nokkaslideri vedetään alas. Kuitenkaan sen asento ei ole kriittinen ja se voidaan jättää puoleen väliin lähelle nokkaa, kuten kuvassa.

**LINE CHECK** — To get a four line check grasp lines 2W and 5W on left and right side. Follow down to connector links. They should be the 4 outside lines on connector links. The two 2W lines are the two outside lines on the front risers. The two 5W lines are the two outside lines on the rear risers.

Punosten tarkastus — neljän punoksen tarkastusta varten tarkista 2w ja 5w punoksiin vasemmalla ja oikealla puolella. Seuran alus yhdysrenkaiden. Niiden pitäisi olla 4 ulommaisista punosta yhdysrenkaidista. Kaksi 2w punosta ovat kaksi ulommaisista punosta etukautonihnoista. Kaksi 5w punosta ovat 2 ulommaisista punosta takakautonihnoista.



## STOWING CONTROL LINES



Fig. 3

1. Grasp four seams at top of trailing edge. (which is upper left corner of canopy in fig. 3) Pull lines taut holding under knee. There will be 2 control lines and three suspension lines. As the lines are pulled taut there will be two slack upper control lines. Figure eight them and stow in rubber band, at junction of upper and lower control lines. Both lines are stowed together in the same rubber hand.

Tarko neljään saamaan takakulman huipusta (niiden on valen yfäkeluen kuvissa 3). Viedä puolet tukkaan pitien niitä polven alla. Siellä tulee olla 2 ohjaus- ja 3 kantopuosta, kun puolet vedetään tiukalle, jän löysälle 2 ylempään ohjauspuosta. Käännä ne kahdeksikokke ja pistä kumi lenkkiin ylä- ja ala ohjauspuosten yhtymiskohdassa. Molemmat puolet pistetään samaan kumi lenkkiin.



Fig. 4

2. Grasp four seams, as in figure four and pull three suspension lines taut.

Tarko neljään saamaan, kuten kuv. 4 ja vedä 3 kantopuosta tiukalle.





Fig. 5

Fold canopy as per fig. 5, making sure to keep suspension lines taut.

Taita kuten kuv. 5, varmistaen että puusukset pysyvät tiukalla



Fig. 6

Repeat folding as per fig. 6 keeping all suspension lines taut. Grasp bridle and fold keeping three suspension lines taut.

Toinen taitto kuten kuv. 6, pitien kaikkii kantopuusukset tiukalla. Tarkin apuutatin yhdyspuusukseen ja taitto pitien 3 puususta tiukalle.



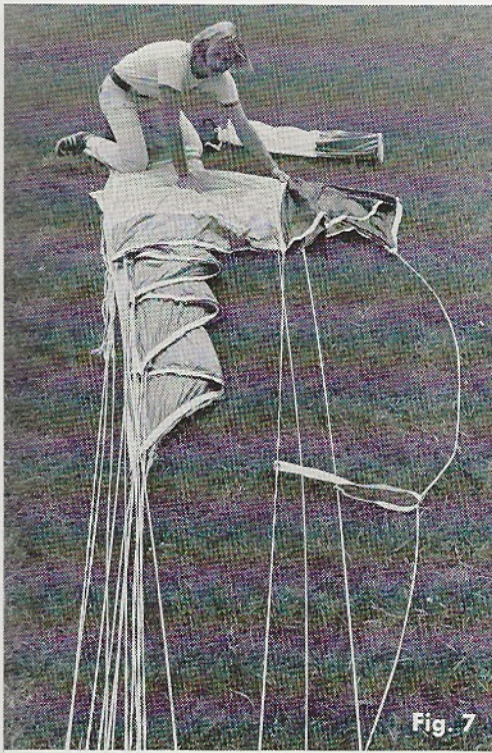


Fig. 7

Grasp next seam, pulling next three suspension lines taut as in fig. 7.

Jatkan seuraavan lauseen, vetään 3 seuraavaa kantopuusta tiukkaan kuten kuvassa 7.

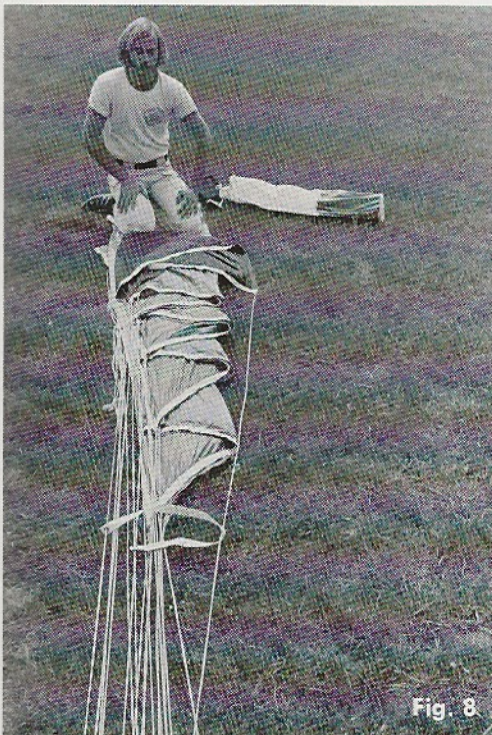


Fig. 8

Continue to fold as in fig. 8 keeping all lines taut. Note position of nose slider. (See fig. 1). It is recommended to keep nose slider in position shown in fig. 8. However, it is not critical and can be all the way down with main slider.

Jatkan laittoa kuten kuvassa 8 pitäen kaikki puusukset tiukalla. Huomaa nokkeliin paikkaan (ks kuv. 1) Suositeltava on jättää nokkeliin kuvan 8 paikasta kuitenkin, se ei ole kriittinen ja voidaan vetää aivan alas pääslidein kanssa.



Käännä nokka vasem-  
malle kuteen kuv. 9.

Flip nose to left side as per fig. 9.

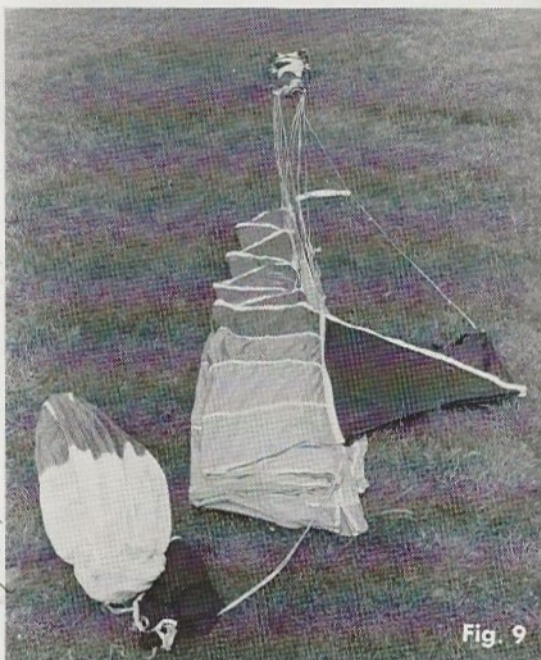


Fig. 9

Alkaen huipusta, rullan kuper-  
alkaan sivulle, joka on  
puolesta nostopäätä. Rulla  
alle kuteen kuv. 10

Katso kuv. 11 täysin rullatusta kunnosta.

Starting at top, roll canopy starting from side opposite line. Roll canopy under as per fig. 10.

See fig. 11 for completely rolled canopy.

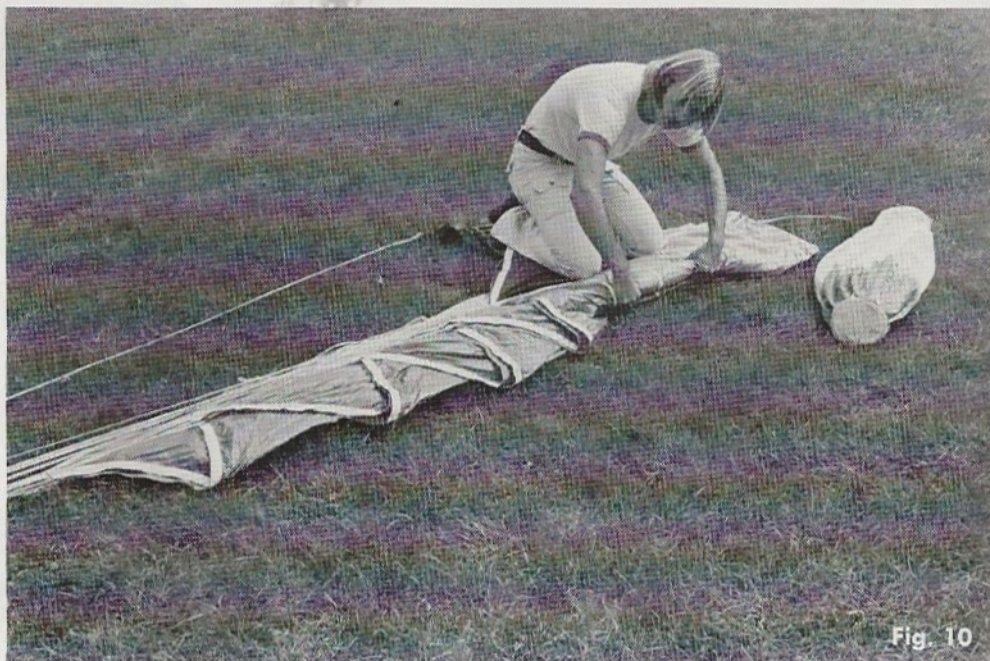


Fig. 10



Huomaa, että nokka tulee  
rollan huipusta kuten  
kuvas 11.

Note that nose is coming from top  
of roll as fig. 11.

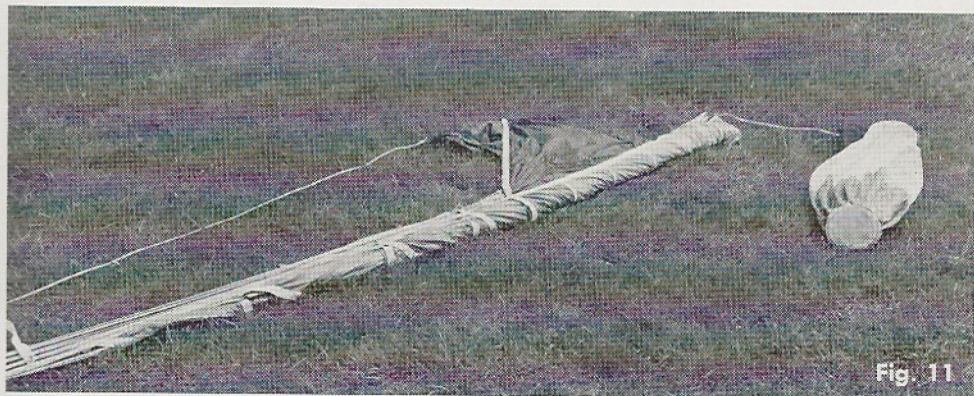


Fig. 11



Fig. 12

Grasp nose as per fig. 12, folding  
each half under opposite side as  
per fig. 12, making sure to keep  
nose line taut.

Tärkei nokkaan kuten kuv. 12,  
taittaa puolikkait eri  
puolille kuten kuv. 12,  
varmistuen, että nokkapeu-  
nos on tiukalla



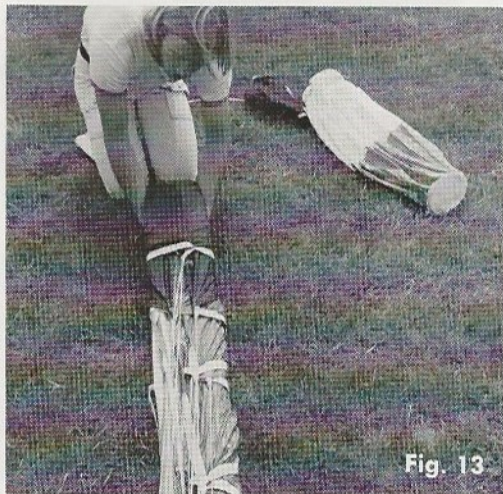


Fig. 13

Roll nose tight around canopy as per fig. 13. Note that top of folded canopy extends above bridle and nose, and is hidden by the knee in fig. 13.

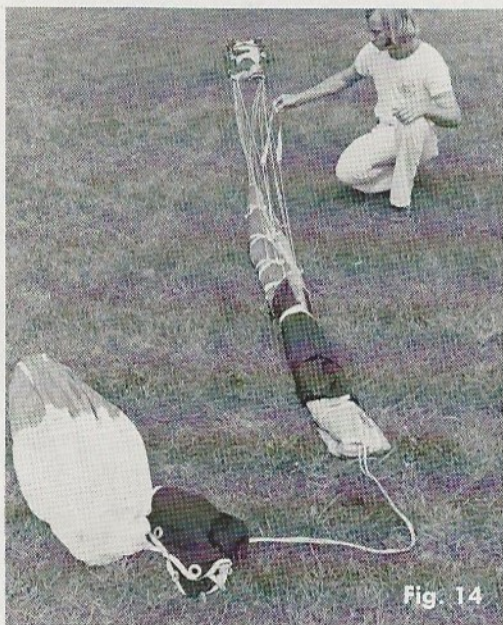


Fig. 14

Rullaa nokkaa tiukkaan kuumen ympärille kuten kuv. 13. Huomaa, että kuumen huippu yltää aputatun yhdyssuunnasta ja nokkaa pituusmitalle ja on polven peittävä kuv. 13.

Fold top of canopy under as per fig. 14A. Grasp nose slider at midpoint, clear up other lines. (See fig. 14)



Fig. 14A

Taita kuumen huippu kiertäen kuv. 14A. Tarku nokka-sliderin keskeltä, nosti vapauttaa muista puuskoista (ks kuv. 14)



laita nokkaslideri "tuplatukkiin" kuten kuv. 15. Tenseli on  
nokkenuksen huipussa.

Double stow nose slider as per fig. 15. Rubber band is at top of nose line.

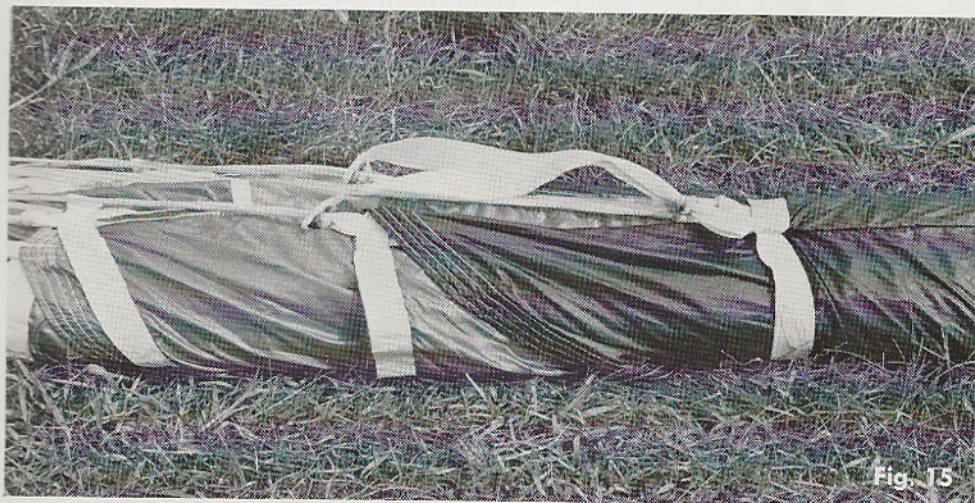


Fig. 15

Grasp main slider on "X" (centerpoint).

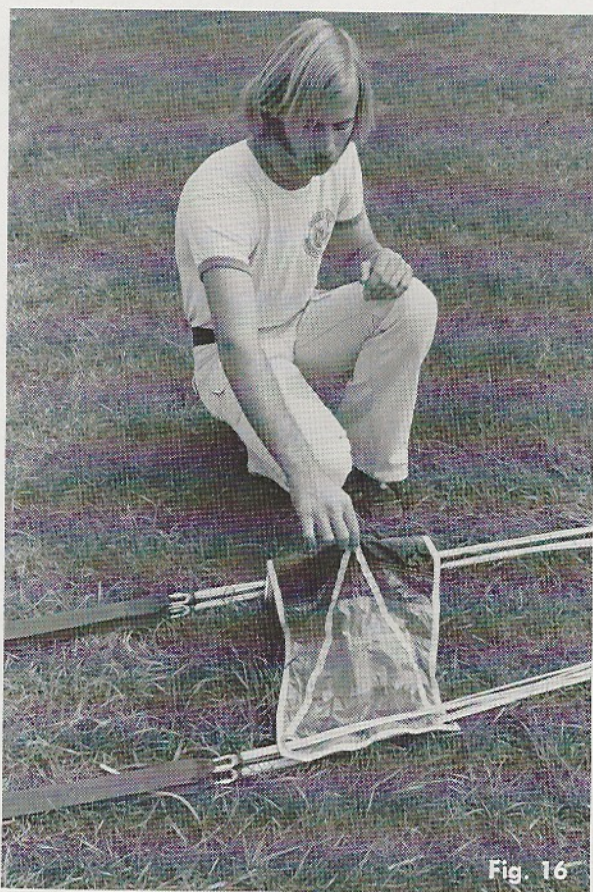


Fig. 16

Tarhin pää sliderin  
koskella X:ää.



liueta alas p[ri]nslideri kepeen k[ot]i, kunnes [p]rimenot [o]suvat  
sliderin p[er]p[ä]ty[re]nkait[im]in. "Tupalankit[im]i" p[ri]nsliderin keskus nokka[re]n-  
sen kumilankiin. Kumilankin pit[us]i olla n. 38cm sliderin p[er]p[ä]-  
t[im]enkaiden y[l]epuolella.

Slide main slider towards canopy until grommets hit slider stop rings. Double  
stow center of main slider on a rubber band which is on nose line. Rubber band  
should be about 15 inches above slider stop rings.

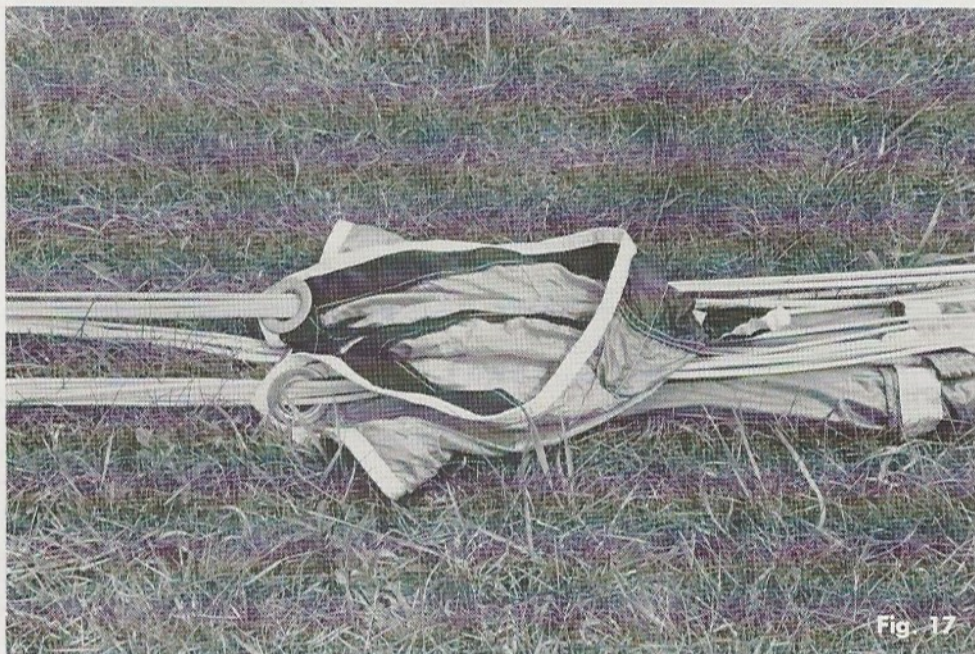


Fig. 17

Position bag as per fig. 18.

Aseta pussi kuton kuvasta 18.

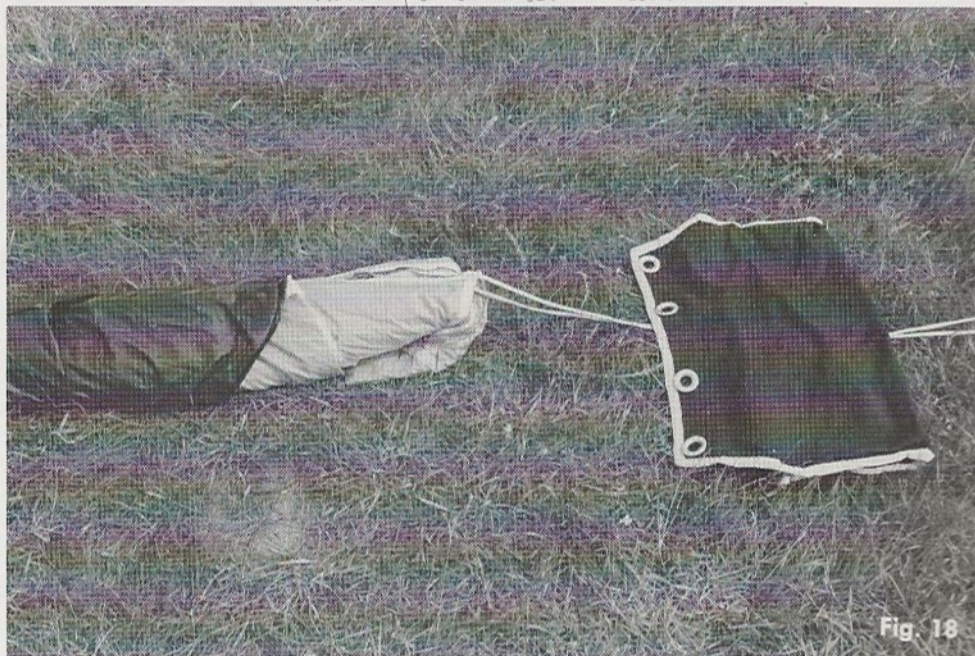


Fig. 18



Taita lukituslippa taakse ja luv-uta peusti yhdyspu-  
hoita pittein kuvun kuo.

Fold locking flap of bag back and slide bag on bridle down to canopy.



Fig. 19

"S" fold canopy into deployment bag. Make sure that end of canopy is straight under bridle grommet in center of deployment bag.

Taita kuvun "S" lle pussiin. varmistu,  
että kuvun päi on suoraa yhdys-  
puhoisen lipinikuumin kohdalla  
keskellä pussin -



Fig. 20

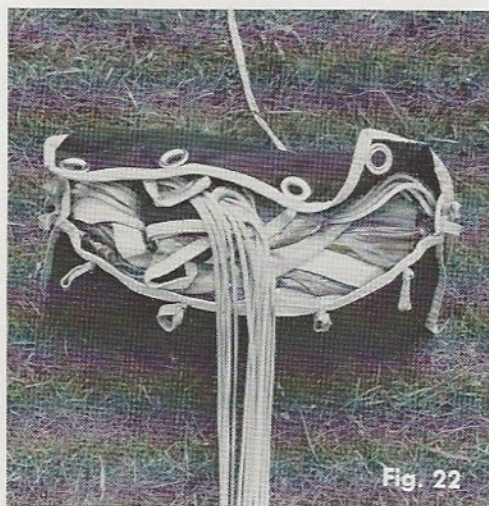
Jatka taitoa "S" lle  
kuten kuv. 21.

Continuation of "S" folding as per  
fig. 21.



Fig. 21



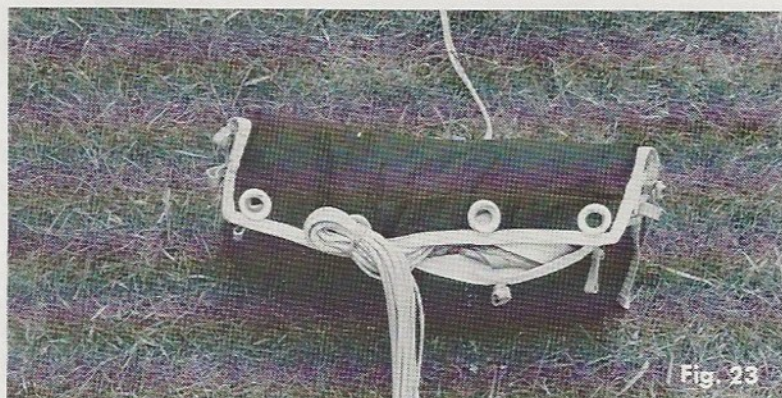


After completion of "S" folding, bring main suspension lines out of center of bag as per fig. 22.

Kun koko kuper on "S" ällä tuo pään kantopuuhokset ulos keskeltä pussin, kuten kuvassa 22.

Tee ensimmäinen lukitus lenkitys kuten kuv. 23.

Make first locking stow as per fig. 23.



Turn bag over so that flap is on bottom as fig. 24. Remember direction of bag rotation and rotate harness and container in same direction so as not to put a twist in the lines, as fig. 25 and fig. 26.

Käännä pussi niin, että loppu on alla kuten kuv. 24. Muista käännön suunta ja käännä väljest ja reppu samaan suuntaan, jotta puuhoksin tulisi kierreitä, kuv. 25, 26.





Fig. 25

*Käännä paussin suuntaan kuin pussi.*  
 Rotate in the same direction as the bag.

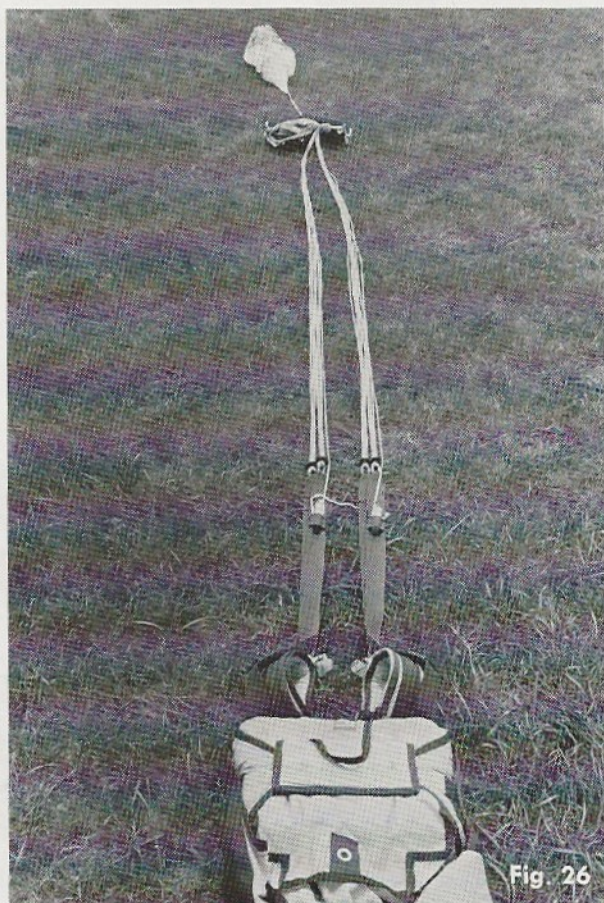


Fig. 26

Now continue to stow your lines on the bag.

*Jatka puuston lenkitystä pussiin*



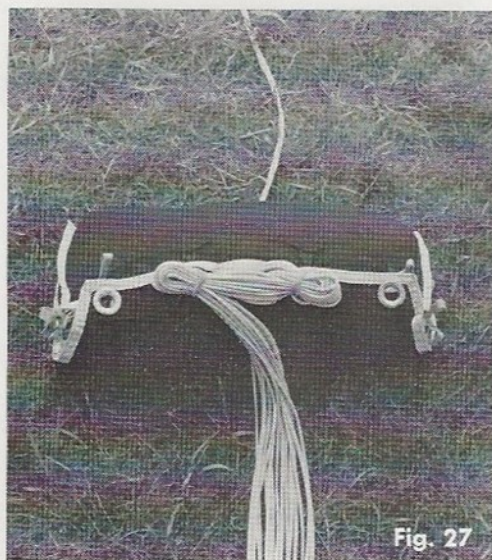


Fig. 27

Continue locking stows as per fig. 27.

Jätken lukitus senkitystä  
kuten kuv. 27.

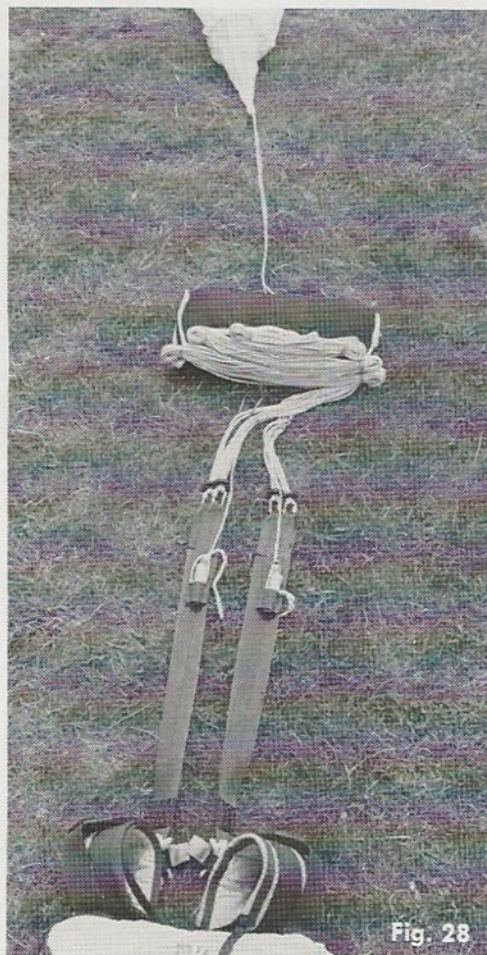


Fig. 28

Finish stowing lines as per fig. 28.  
Leave some slack, move into container.

Pääte puurostus kuten kuv 28.  
Jätä vähän löysää,  
pistä reppuun.

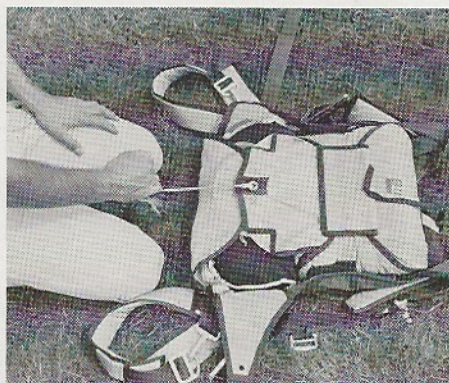


## EASY STEPS TO CLOSING YOUR RAZZOR-BACK



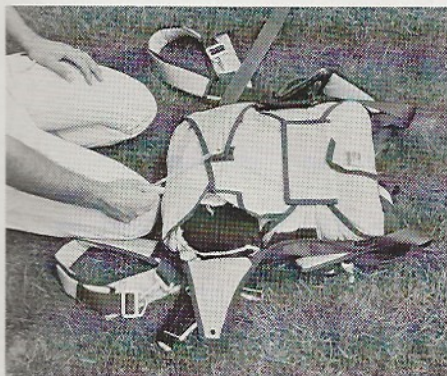
Route risers along side flaps. Place bag in container. Coil bridle cord and compress pilot chute in center of pack.

Pujota kantohihnat pitkin sivu-  
lippia. Aseta pussi reppuun,  
kela yhdyspunos ja puriste  
aputatti keskelle reppuun.



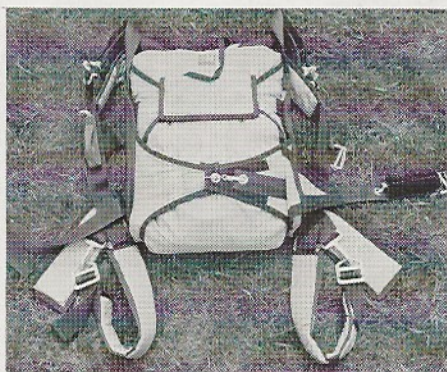
Using a pull up cord, cinch top and bottom flaps into position above. Hold loop with thumb and thread cord through left side grommet.

Käytään Ru-naruja vedä ylä- ja  
alaläpät yläkuoren asentoon. Pidä  
lenkkiä pölkkelolla ja pujota naru  
läpi vasemman sivun lipi-  
niemeen.



Pull cord and loop through left side flap. Hold loop with thumb and thread cord through right side flap.

vedä naru ja lenkki läpi vasemman  
sivun lipin. Pidä kiinni pö-19  
kelolla ja pujota läpi oikean  
puolen lipin.



Pull loop through last grommet. Insert locking pin and slowly remove pull up cord. Stow pull up cord in pocket under protector cover. Tuck in flaps and close cover.

vedä naru läpi viimeisen  
lipiniemeen. Kiinnitä riisu  
ja irrota hitusti Ru-naru.  
Pidä naru pölkkelän takana.  
Pidä läpät kiinni.





Before each jump, check to ensure your spring is connected to locking loops and the knots are free of the grommets.

TOSI PIENI

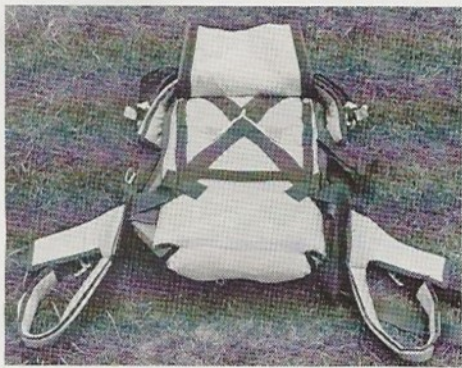


Properly fitted your Paradactyl Razor-Back will provide you with comfort and freedom in the air.

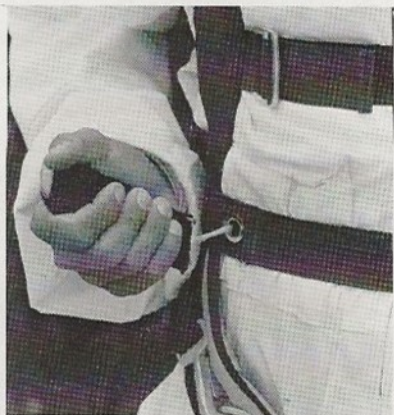


**STAR-TRACK™**

Top Quality Equipment  
Designed by the Worlds  
Best Parachutists



Before each jump, inspect your reserve pins, to ensure they are fully seated and both seals are intact. Frequently check locking loops for wear. Pull gently on the ripcord line holding the "Y" to ensure clearance in housing.



Your new ripcord system requires only 5 lbs. force to activate: Remove handle from belly band velcro lock. Push handle 4-6 inches downward. This action will also clear your right side flap. Note: Ensure you **do not** twist your belly band when donning your harness.



# PARADACTYL™ DEALERS

## WORLD WIDE

### USA

Alaska Four Man Star Team  
2300 Hemstead Ct.  
Apt. 2A  
Anchorage, Alaska 99507

Alta Sport Parachuting Center  
3064 Beaver Circle  
Granger, Utah 84119

Kent Bell  
1413 Alder  
Richland, Wash. 99352

Big Sky Para Sales  
1820 1/2 W. Central St.  
Missoula, Mont. 59801

Carousel Parachute Company  
RD No. 4  
Lisbon, Ohio 44432

Central Florida Parachute  
Star Route, Box 489A  
Eustis, Fla. 32726

The Chute Shop  
P. O. Box 445, Hwy. 202  
Flemington, N. J. 08822

Denver Parachute Service  
425 South Lowell Blvd.  
Denver, Colo. 80219

Edwin Dunn  
7510 Ascot Ave.  
Fayetteville, N. C. 28301

Gary Dupuis  
RR 5 Box 106  
Deland, Fla. 32720

D Z Parachutes  
215 Lewis No. 17  
E. Lansing, Mich. 48823

Elsinore Parachuting Center  
Parachutes Incorporated  
20701 Cereol Rd.  
Elsinore, Calif. 92530  
Tel. 714 674-2141

Free Flight  
2922 Viewcrest  
Riverside, Calif. 92505  
Tel. 714 687-9732

LTC George Goetzke  
445-32-0630  
QTR5 73374 Halsey Ct.  
Ft. Campbell, Ky. 42223

Heartwood Aviation Inc.  
Route 6, Box 349B  
Heartwood, Va. 22471

R. Kubler  
P. O. Box 102  
Lakehurst, N. J. 08733

Lakewood Parachuting Center  
P. O. Box 258 Lakewood A/P  
Cedarbridge Rd.  
Lakewood, N. J. 08701  
Tel. 201 363-4900

Lincoln Parachute Loft  
929 Furnas Ave.  
Lincoln, Neb. 68521

Malone Parachute Center  
Malone-Dufort Airport  
Malone, N. Y. 12935

McElfish Parachute Service  
2615 Love Field Drive  
Dallas, Texas 75235

Miami Parachute Center  
8842 S. W. 42nd Terrace  
Miami, Fla. 33165

Mid-Ohio Parachute Company  
4949 Worthington-Galena Rd.  
Worthington, Ohio 43085

Midwest Parachute Service  
46701 Grand River  
Novi, Mich. 48050

Mountain and Air Sports  
2912 Foothill Blvd.  
La Crescenta, Calif. 91214

National Para Supply  
Rd. No. 6 Fairview Dr.  
Flemington, N. J. 08822

North Star Parachutes  
4441 Beard Avenue North  
Minneapolis, Minn. 55422

Northwest Aeroports  
7898 N. Enterprise Rd.  
Ferndale, Wash. 98248

Orange Parachuting Center  
P. O. Box 96  
Orange, Mass. 01364  
Tel. 617 544-6911

Oz's Harness Hut & Sky Stuff  
P. O. Box 145  
Athol, Idaho 83801

Pacific Parachute Center  
P. O. Box 237  
Sheridan, Ore. 97378

Parachutes Hawaii  
P. O. Box 637  
Aiea, Hawaii 96701

Para-Gear Equipment Company  
3839 W. Oakton  
Skokie, Ill. 60076

Para Innovators  
171 East 1st St.  
Ferris, Calif. 92370

Para-Naut Inc.  
6096 Highway 21  
Omro, Wis. 54963

Para Tek International Inc.  
1239 Sr. Paul St.  
Rochester, N. Y. 14621

Penninsula Sport Parachuting Center  
Box 157, Route 4, Anchor Dr.  
Yorktown, Va. 23490

Picks Parachute Sales  
Rt. 1, Box 3270  
Panama City, Fla. 32401

Pioneer Parachute Company  
Pioneer Industrial Park  
Manchester, Conn. 06240

R & J Custom Parachute Sales  
927 Tennessee St.  
Vallejo, Calif. 94590

Ronald Radhoff  
2706 Dry Creek Dr. N. W.  
Huntsville, Ala. 35810

Raeford Aviation  
P. O. Box 734  
Raeford, N. C. 28376

The Relative Workshop  
2500 N. Woodland Blvd.  
Deland, Fla. 32730

Red's Parachute Company  
6107-A Yaddin Rd.  
Fayetteville, N. C. 28303

RW Shop  
Route 13  
Brookline, N. H. 03033

Seagull Sport Parachute Center  
P. O. Box 48  
861 West 7 South  
Brigham City, Utah 84302

Seneca Para-Loft  
Box 2632  
Seneca Falls, N. Y. 13148

Sha-Wan-Ga Aviation  
RD No. 1  
Stone Schoolhouse Rd.  
Bloomington, N. Y. 12721

Sky Sport Supply  
c/o Charles F. Martens  
1507 N. Beaver  
Flagstaff, Ariz. 86001

South Florida Parachute Inc.  
P. O. Box 246, Circle T Ranch A/P  
Indiantown, Fla. 33456

Southern Parachute Sales  
Box 451 Smith St., College Park  
Wingate, N. C. 28174

Sports Chutes and Company  
365 Atlantic St.  
Buffalo, N. Y. 14212

Stevens Para Loft  
9925 San Leandro St.  
Oakland, Calif. 94603

Steve Snyder Enterprises (Parafite)  
5801 Magnolia Ave.  
Pennsauken, N. J. 08109

Strong Enterprises, Inc.  
542 East Squantum St.  
North Quincy, Mass. 02172

Tampa Bay Para Ranch  
Box 1753  
Riverview, Fla. 33569

Turners Falls Parachutes  
28 Beacon St.  
Fitchburg, Mass. 01420

United States Parachute Service  
P. O. Box 5634  
Phoenix, Ariz. 85008

Dean Westgaard  
2627 Nido Way  
Laguna Beach, Calif. 92651

### INTERNATIONAL

Rene G. Thomas  
Para-Club Des Lagunes  
P. O. Box 1782  
Abidjan (Ivory Coast)  
Africa

Parachute Industries of S.A. (Pty.) Ltd.  
P. O. Box 33077  
Jeppestown 2043  
South Africa

Parachutes Australia (Pty.) Ltd.  
407 Kent Street  
Sydney, N.S.W. 2000  
Australia

Southern Cross Parachutes  
Box 21, 10 Waratah St.  
Devon, Victoria 3177  
Australia

Inersport Osterreich  
A-600 Wels  
Magazinstrasse 8-10  
Austria

Safe-Power, S. A.  
9 Rue Du Moniteur  
Brussel, Belgium

Abbotsford Sport Parachuting Centre  
P. O. Box 246  
Abbotsford, B. C., Canada

Gananoque Sport Parachuting Centre  
P. O. Box 1747  
Gananoque, Ontario KOH 1R0  
Canada

Paravol Inc.  
964 Duchesneau No. 5  
Quebec G1W 4A9  
Canada

Keng Chia Enterprises  
144 Hsing Sheng  
South Road, Section 1  
Taipei, Taiwan 106  
China

Holstein Marketing Organization  
Gershøj  
D K 4060, Skibby  
Denmark

Paraglide Ltd.  
2 Churwell Ave.  
Heaton Mersey, Stockport  
Cheshire, England

Harri Toivonen  
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33 100 Tampere 10  
Aleksanterinkatu 29A  
Tampere, Finland

Parachutes De France  
11 Rue Fauvet  
75018 Paris  
France

Aves Sport Parachute Club  
Jalan Borobudur 18  
Jakarta, Indonesia

Tehran  
Jonas Wallberg  
C/O Esab Iron Company  
25, Roudsar Ave.  
(Opposite NIOC-Bldg.)  
Iran

Alberto Bauchal/Renato Corpace  
Via Gaetano Giordano 5  
37100-Verona  
Italy

M & L Valbonesi  
Piazza Attias 5  
I-57100 Livorno  
Italy

Paradelta  
Via Carlo Denina 57  
00179, Rome  
Italy

Japan Parachute Sport Association  
691 Kakuei, Kamishizu  
Sakura, Chiba 285  
Japan

Korea Continental Corp.  
C.P.O. Box No. 1158  
Seoul, Korea

Parachute Shop  
Vilgeveld  
Hilversum  
Netherlands

Daihoff & King Aviation Ltd.  
Box 75  
Papakura, Auckland  
New Zealand

Kato Marketing A/S  
Arm, Horsens: 5  
Oslo 4, Norway

Miguel Estrella Cardenas  
Santa Rosa 346-3  
Suroullio  
Lima, Peru

West Pacific Basin Aeroproducts, Inc.  
P. O. Box P. A. 420  
Port Area Post Office  
Manila, Philippines 2703

EBS Services (Sports) Ltd.  
26 Castle St.  
Tayport, Fife DD6 9AF  
Scotland

S. A. Sempere De Paracaidas  
Cerdana, 229-237, 5a planta  
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Para-Centro Locarno  
Aeroporto Cantonale  
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Borneo Engineering Company, Ltd.  
226 Nares Rd.  
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Dubai, United Arab Emirates

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D-5802 Wetter, Ruhr 4  
Oberwengerner Strasse 209  
Wengern, West Germany

HYVÄ  
SUOMI



**Jim Handbury with his 4-man team over Tahlequah, Oklahoma  
using PARADACTYL, RAZZORBACKS.**



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