



VERTICAL 



TECHNOLOGY INNOVATION HIGH PERFORMANCE





ABOUT

Vertical do Ponto has been on the market since 1990, manufacturing Military Parachutes produced with High Quality, namely: Personnel, Cargo, Extraction and Ejection. We also manufacture aeronautical, airborne and military equipment, and other products upon request, which we will be happy to develop.

MISSION

Vertical do Ponto is a company focused on safety and development of military and sports parachutes, aerial and individual equipment, with technology, quality and reliability to satisfy the needs of the national and international market, generating solutions and providing services to its users.

VISION

Strengthen and expand its markets through quality, technology and reliability, achieving satisfaction and becoming the favorite of users throughout the world market.

VALUES

- High standards of services
- Reliability and safety
- Committed employees
- Environmental preservation
- Audacity, Innovation and Pioneering in Brazil
- Confidence in what we have been doing for more than 30 years.

QUALITY POLICY

Continually reaching consistent results when it comes to customer satisfaction with our products and services.

ISO 9001
ISO 14001

BUREAU VERITAS
Certification



MILITARY PARACHUTES



Type: Automatically operated back type parachute

T-10B NSN: 1670-00-591-0720

T-10C NSN: 1670-01-248-9502

T-10D NSN: 1670-01-484-2234

P/N: 11-1-564-1 / 11-1-564-2 / 11-1-564-4

P/N Vertical: 07-0131-1 / 07-0302-1

P/N Vertical: 07-0131-1 / 07-0302-1 / 07-0330-1

Aplicability:

Troop landing parachute

Technical data:

Weight: 29 lb / 13,2kg

Capacity: 360 lb / 163kg

Max. Release velocity: 150mph / 240km/h

Min. Release height: 328 ft / 100m

Rate of descent: 13.1 - 19.7 ft/s, 4-6 m/s

Canopy dia: 35 ft/10,7m

N° of gores: 30

Pack dimensions: 21"x 14"x 7" 0,53 x 0,36 x 0,18m

Release: Static line with 15 ft / 4,57m

Materials:

Canopy and pack made of nylon

Remarks:

The T-10 B/C parachute is a personal model with a proven maximum use capacity of up to 360 lb/163 kg. Back parachute for launches in pre-established areas.



TROOP PARACHUTES MC1-1C/D

Type: Steerable main canopy with anti-inversion skirt net. Automatically operated back type parachute

NSN: 1670-01-262-2359 / 1670-01-487-0777

P/N: 11-1-900-2 / 11-1-900-3

P/N Vertical: 07-0155-1 / 07-0156-1

Applicability:

Troop parachutes

Consists of:

Canopy: 11-1-1501-3

Pack: 62J4342

D-Bag: 56D6276

Harness: 11-1-2143-1

Riser: 11-1-2149-1

Technical data:

Shape: Parabolic

Complete assembly weight: 29 lb / 13,2kg

Capacity: 360lb / 163kg

Release velocity: 150mph / 240km/h

Min. Release height: 328 ft / 100m

Rate of descent: 13.1 - 19.7 ft/s, 4-6 m/s

Canopy dia: 35 ft/10,7m

N° of gores: 30

Pack dimensions: 21"x14"x7"0,53 x 0,36 x 0, 18m

Turn: 360° / 8-9 s

Service life: 10 anos

Static line with: 15 ft/4,57m

Materials: Canopy 1.1 oz/jd2 type 1 low porosity 0-5 CFM

Pack: made of nylon



Remarks:

MC1-1C Troop Parachute is a personal (blimp) model with proven maximum use capacity of up to 360lb/163kg. Back parachute for launching in pre-established areas.



Type: Semi Automatic Parachute

RZ-21-0 / P/N Vertical: 07-0870-1

RZ-21-00 / P/N Vertical: 07-0871-1

RZ-21-1 / P/N Vertical: 07-0157-1

Applicability:

Troop parachutes

Consistent with:

Canopy: 11-1-1501-3

Housing: 62J4342

Canopy Bag: 56D6276

Equipment: 11-1-2143-1

Support Rod: 11-1-2149-1

Technical information:

Shape: Conical

steerable: 360° in 6 seconds

Weight: 35 lb / 16kg

Capacity: 400lb / 181kg

Max. Velocity: 150 kps.

Min. Release height: 400 ft / 120m

(In case of an emergency): 1000 ft / 304m (for training jumps)

Rate of descent: 13 ft /s/ 4 m/s

Canopy dia: 35 ft/10,5m

N° of gores: 30

Dimensions (folded): 21"x13"x9"0,55 x 0,35 x 0,25m

Turn: 360° / 8-9 s

Materials: Hybrid Canopy MIL-C-7020/MIL-C-44378

Casing: made of nylon.



Comments:

The RZ-21-1 is a personal parachute with a payload capacity of 400 lb / 181 kg. It is a parachute to be used mainly by skydivers for a predetermined jump over a specific area.

The opening strap that connects the apex to the bag disconnects and the parachute begins to inflate. The parachute reaches its falling speed after about 4 to 7 seconds. The RZ-21-1 generates a forward thrust of 10 ft/s (4m/s) while the RZ-21-0 advances more neutrally.





Type: Personnel reserve parachute, chest type

NSN: 1670-00892-4218

P/N: 62C4317

P/N Vertical: 07-0175-1

Technical data:

Capacity: in connection with the main parachute

Weight: 12,3 lb / 5,6kg

Max. Release velocity: 150 mph/ 240 km/h

Min. Release height: 328 ft / 100m

Canopy dia: 24 ft / 7,3 m

N° of gores: 24

Pack dimensions: 17,3"x 9,8"x 4,7"0,44 x 0,25 x 0,12m

Control: Control handle with 2 pins

Materials: Canopy and casing made of nylon

Applicability:

Emergency parachute, connected to the main parachute of the T-10 and MC1 series.

Comments:

Ventral emergency parachute with manual opening process, used in the event of a malfunction of the main parachute.

**Type: Personnel reserve parachute, chest type****NSN:** 1670-01-420-4256**P/N:** 11-1-4012-1/2**P/N Vertical:** 07-0178-1**Applicability:**

Emergency parachute, connected to the main parachute of the T-10 and MC1 series.

Components:**Canopy:** 4J7156-3**Casing:** 11-1-6967-1**Pilot:** 11-1-4014-1**Handle:** 62C4318**Spring:** 11-1-4040-1**Connection strap:** 11-1-4018**Technical data:****Capacity:** 360 lb / 163kg**Weight:** 6,1kg**Max. speed launch:** 130 Kts**Descent speed:** 6 - 7 m/s**Dia. Canopy:** 24 ft / 7,3 m**N° of gores:** 24**Release:** Manual with 2 pins.

Pilot: Circular Flat Shape 60" diameter, low porosity fabric, PIA-C-3395 mesh, 13" Connection Strap and 30" long helical spring..

Shape: Circular plane**Canopy Material:** Ripstop 1.1 PIA-C-7020 TI**Suspension line:** Nylon MIL-C-C5040,T III, 550 lb**Number of suspension lines:** 24**Comments:**

Ventral emergency parachute with manual opening process, used in the event of a malfunction of the main parachute.



Tipo: Reserve parachute

P/N Vertical: 07-0869-1

Canopy: Conical

Steerable: 360° in 9 seconds

Technical data:

Capacity: 400 lb / 181kg

Weight: 15 lb / 7 kg

Max. Release velocity: 150 kps

Min. Release height: 328 ft / 100m

Rate of descent: 18 ft /s/ 5,4 m/s

Canopy dia: 26 ft/ 8m

N° of gores: 24

Pack dimensions: 15,7" x 11" x 6,3"/ 0,40 x 0,28 x 0,16m

Materials: Nylon MIL-C-C5040 P: 50/60

Comments:

Ventral emergency parachute with manual opening process, used in the event of a malfunction of the main parachute.



Type: Rescue parachute

NSN: 1670-19-001-9156

P/N Vertical: 07-0131-1

Applicability:

Rescue of parachutist trapped in aircraft

Technical data:

Capacity: 360 lb / 163kg

Weight: 22 lb / 10kg

Max. Release velocity: 150 mph/ 240 km/h

Min. Release height: 328 ft / 100m

Rate of descent: 11-16 ft/s, 4-6 m/s

Canopy dia: 35 ft / 10,7 m

N° of gores: 30

Pack dimensions: 21"x 13"x 7,5" / 53,5 x 33 x 19 cm

Release: Static line with 15 ft

Materials: Canopy and pack made of nylon

CARGO PARACHUTES





Type: Cargo parachute
P/N Vertical: 07-0300-1

Applicability:
Aerial delivery up to 400 lb

Components:
Canopy: 4J7156-3
Casing: 11-1-6967-1
Pilot: 11-1-4014-1
Handle: 62C4318
Spring: 11-1-4040-1
Connection strap: 11-1-4018

Technical data:
Capacity: 400 lb / 181kg
Weight: 22 lb / 10 kg
Max. Release velocity: 150 mph / 240km/h
Min. Release height: 328 ft / 100m
Rate of descent: 13.1 - 19.7 ft/s, 4-6 m/s
Canopy dia: 35 ft / 10,7 m
N° of gores: 30
Pack dimensions: 14," x 13" x 7,5"/ 33,5 x 33 x 19m
Release: Static line 15 ft / 4,59m
Materials: Canopy and pack in nylon



Tipo: Cargo parachute

G-11A / NSN: 1670-00-269-1107

G-11A / P/N: 51C6718

G-11A / P/N Vertical: 07-0850-1

G-11B/C/D / NSN: 1670-01-016-7841

G-11B/C/D / P/N: 11-1-2566

G-11B/C/D / P/N Vertical: 07-1198-00

Diameter: 100 ft / 30,48m

Canopy Material: 1.6 oz/jd² tipe III, nylon ripstop Cloth

N° of suspension lines: 120

Length of suspension line: 35 ft / 10.66 m

Suspension line assembly: 3

Suspension line length: 60 ft / 18 m

Complete assy weight: 250 lb / 113kg

Maximum Payload Cap: 5.000 lb / 2.268kg



Type: Cargo Parachute

G-12D / NSN: 1670-00-893-2371

G-12D / P/N: 55A6045

G-12D / P/N Vertical: 07-0851-1

G-12E / NSN: 1670-01-0653755

G-12E / P/N: 11-1-2620

G-12E / P/N Vertical: 07-0852-00

Diameter: 64 ft / 19,50m

Pilot: 11-1-4014-1

N° of suspensions lines: 64

Length of suspension line: 51 ft / 15,54m

Complete assy weight: 2

Suspension line Assembly: 125 lb / 56,70kg

Maximum payload capacity: 2.200 lb / 998kg

Pilot chute:

Shape: octagonal

Diameter: 68 inches / 1,72m

Canopy Material: Type I, nylon ripstop PIA-C-7020



Tipo: Cargo parachute

P/N Vertical: 07-0591-1

Applicability: Aerial delivery up to 500 lb / 227Kg

Technical data

Capacity: 500 lb / 227kg

Weight: 22 lb / 10 kg

Max. Release velocity: 150 mph / 240km/h

Min. Release height: 328 pés / 100m

Rate of descent: 25 ft/s 7/5 m/s

Canopy dia: 36 ft / 10,97 m

N° of gores: 36

Pack dimensions: 14 ½"x 13 ½"x 8"

Release: Static line (15 ft / 4,57m)

Materials: Canopy and pack made of nylon

Comments:

This type of parachute can be used together.



Type: Cargo parachute

NSN: 1670-00-999-2658

P/N: 11-1-578

P/N Vertical: 07-0592-1

Shape: Flat circular / Biconical (design)

Diameter (nominal): 34 ft / 10,36m

Pilot: 11-1-4014-1

N° of gores: 32

N° of suspension lines: 32

Canopy Material: Nylon Lace, PIA-C-7515, TYPE IA, 400 lb / 181.43kg tensile strength

Suspension line Material: 27,5 ft / 8,38m

Complete assembly weight: 37 lb / 16,78kg

Maximum payload capacity: 500 lb 227kg

EXTRACTION PARACHUTES





15 FT

NSN: 1670-01-063.3715
P/N: 1-11-2583
P/N Vertical: 07-0853-1
Consists of:
Ring Slot Canopy: 57J6032
Canopy bag: 58J6100
lifter 36": 68C380-10
Number of panels: 16
Number of rings per panel: 5
N° of suspension lines: 16
Diameter: 15'

22 FT

NSN: 1670-01-063.3716
P/N: 1-11-2584
P/N Vertical: 07-0862-1
Consists of:
Ring Slot Canopy: 52K6329
Canopy bag: 58J6099
lifter 60": 11-1-2582
Number of panels: 28
Number of rings per panel: 7
N° of suspension lines: 28
Diameter: 22'

28 FT

NSN: 1670-00-040-8135
P/N: 11-1-2546
P/N Vertical: 07-0854-1
Consists of:
Ring Slot Canopy: 67K1901
Canopy bag: 66J1647
lifter 160": 66D1659
Number of panels: 30
Number of rings per panel: 9
N° of suspension lines: 30
Diameter: 28'

CONTAINER DELIVERY SYSTEM





AERIAL DELIVERY CONTAINER A-5

TYPE: CYLINDRIC

P/N Vertical: 07-0201-1

Applicability:

Aerial delivery ammunition or infantry weapons

Technical data:

Capacity: 300 lb / 136kg

Dimensions: 52"x 43"

Rectangular Canvas: 180"x 71"

Materials: Lona de nylon (Cordura)

Felt AGM: 6mm

Fabric: Cotton nylon 1 34" tipo VIII - (MIL-W-4088)

"D" ring: (MS 22046-1)

Seat belt adjuster - (MS 22040)



AERIAL DELIVERY CONTAINER A-21

TYPE: ADJUSTABLE

NSN: 1670-00-242-9173

Applicability:

Launch of various supplies

Technical data:

Capacity: 500 lb / 227kg

Materials: nylon canvas (Cordura)

Type IV nylon webbing - (MIL-T-5038)

Type XIII nylon webbing - (MIL-W-4088)

"V" ring - (MS 22045-1)

Box hitch - (MS 27760)

Quick opening box - (45518810)

Friction Adjuster - (MS 22040)

Steel ring 5" diameter 1/2" thickness (51B6740)

"D" ring: (MS 22046-1)



AERIAL DELIVERY CONTAINER A-22

TYPE: ADJUSTABLE

NSN: 1670-587-3421

P/N Vertical: 07-0212-1

Applicability: Launch of various supplies (water, fuel, weapons, rations, ammunition)

Technical data:

Max. Capacity: 2.200 lb

Dimensions: 52"x 43"

Materials:

Nylon Canvas (Cordura) - Type XIII Nylon Lace - (MIL-T-4088)

wooden slider: 52"x 43"x 12"

"D" ring - (MS 22046-1)

Snap not adjustable - (MS 70121-21)

Seat belt adjuster: - (MS 22040)



AERIAL DELIVERY A-LOG

TYPE: BOX

P/N Vertical: 07-0206-1

Applicability: General supplies

Technical data: 300 lb

Dimension: 100 x 62 x 52 cm

Materials: Nylon canvas (Cordura), felt EN25 10mm

Type XIII nylon webbing - (MIL-W-4088)

Type VIII nylon webbing - (MIL-W-4088)

Friction Adjuster - (MS 22040-A)

"D" ring - (MS 22046-1)



AERIAL DELIVERY CONTAINER A-7A

**TYPE: WEBBING WITH ADJUSTERS
(4 LACES)**

NSN: 1670-00-251-1153

P/N: 51C6716

P/N Vertical: 07-0202-1

Applicability: Airdrop of boxed cargo

Technical data:

Max. capacity: 500 lb / 227kg

Webbing dimensions: 188" / 477 cm

Materials:

Nylon webbing: tipo XIII - (MIL-W-4088)

"D" ring - (MS 22046-1)

Friction Adjuster - (MS 22040)



AIRDROP OF SUPPLIES P1-A

TYPE: BOX

P/N Vertical: 07-0190-1

Applicability: supplies in general

Technical data:

Capacity: 400 lb

Dimensions: 12 x 9 x 9 inches

Materials: nylon canvas (Cordura), Felt EN25 10mm

Type XIII nylon webbing - (MIL-W-4088)

Type VIII nylon webbing - (MIL-W-4088)

Friction Adjuster - (MS 22040-1)

Non-adjustable carabiner - PS220442



AIRDROP OF SUPPLIES P2-A

TYPE: BOX

P/N Vertical: 07-0192-1

Application: Transport of specialized material (telephone, coil, general and others)

Technical data:

Max. capacity: 80 lb

Webbing dimensions: 20 x 13 x 10 inches

Materials:

AGM soft 6mm nylon tarpaulin (Cordura)

Type VIII nylon webbing - (MIL-W-4088)

Type VIII cotton webbing - (MIL-C-5665)

Friction adjuster - (MS 22007-1)

Female quick release - (MS 70099)

Male quick release - (MS 70098) or (4489347)



AIRDROP OF SUPPLIES PACK P2-RM

TYPE: BOX

P/N Vertical: 07-0195-1

Application: MAG repair packaging for parachutist jump

Technical data:

Capacity: 40 lb

Dimension: 71 x 53 x 84 inches

Materials: nylon canvas (Cordura)

Type II nylon webbing - (MIL-W-4088)

Type VIII cotton webbing - (MIL-C-5665)

Friction adjuster - (MS 22007-1)

Female quick release - (MS 70099)

Male quick release - (MS 70098)



ADJUSTABLE BOX P2-B

TYPE: ADJUSTABLE BOX

P/N Vertical: 07-0209-1

Application: Transport of specialized material (.30 machine gun, 60mm mortar, ammunition, radio, food and batteries)

Technical data:

Max. capacity: 62 lb

Webbing dimensions: 107 x 28 x 28 inches

Materials: Feltro AGM 6mm | Feltro EN25 15mm

Elastic 3/8 (MIL-C-5650)

Type VIII cotton webbing - (MIL-5665) | Nylon 3/8 webbing type III - (MIL-W-5038) | Type VIII cotton webbing - (MIL-C-C5665)

Friction adjuster - (MS 22007-1)

Female Quick Release - (44B26452) and (MS 70099) |

Male Release - (44B26454) or (MS 70098)

Steel Carabiner - (43A21538) or (MS22044-1)

Nylon canvas (Cordura)



ADJUSTABLE CASE P-BIGUÁ

TYPE: ADJUSTABLE CASE

P/N Vertical: 07-0213-1

Application: Individual weaponry, submachine gun tripod, ammunition, can be used on a diver.

Technical data:

Capacity: 80 lb

Dimensions: 128 x 25,5 cm

Materials: nylon canvas (Cordura)

Type VIII cotton webbing - (MIL-4088) | Nylon webbing 3/4 type III - (MIL-W-5038) | Type VIII cotton webbing - (MIL-T-5038)

EN25 felt 5mm Zip closure

Push Button - (Lift Dot)

Friction adjuster - (MS 22007-1)

"V" ring - (MS 2207-1)

Female quick release - (MS 70099) | Male quick release - (MS 70098)

Steel Carabiner - (MS 22044-1)



AIRLAND PACKAGE

TYPE: BAG WITH LID

P/N Vertical: 07-1141-25

Application: Transport and store equipment, supplies, and other essential items for soldiers during military operations.

Technical data:

Materials: Cordura 500

Capacity: 40 liters

Dimension: 60cm x 55cm

Type II nylon webbing - (MIL-C-5040)

Type VIII nylon webbing - (MIL-W-4088)

Type XVII nylon webbing - (MIL-W-4088)

Type II nylon cable - (MIL-C-5040)

25mm tic tac nylon closure

brass eyelets type 112/48

Stainless steel adjuster: PS 70101-SS

Aluminum metal frame type ASTM 5051 H38



MODULAR AND ADJUSTABLE PACKAGE FOR RIFLE

TYPE: ADJUSTABLE

P/N Vertical: 07-1167-25

Application: Individual weapons, submachine gun tripods, ammunition, etc., are usable for land activities.

Technical data:

Materials: Cordura 1000

Capacity: 80 lb

Dimension: 105cm x 38cm

Type VIII/XIII nylon webbing - (MIL-W-4088)

Type IV nylon webbing - (MIL-W-5038)

Metal dowel: PS22014-3

Small fixed pressure shackle

Pressure button

Internal modular system, Type IV lacing

Stainless steel adjuster: PS 70101-SS

25mm tic tac nylon closure

Yellow webbing type: VIII

Side zipper closure



***AERONAUTIC
MATERIAL***



HELICOPTER RESCUE SLING

TYPE: ADJUSTABLE

P/N Vertical: 07-0775-1

Application: Helicopter Rescue Sling

Technical data:

Capacity: 300 lb / 136 kg

Dimension: 128 x 25,5 cm

Materials: Cordura 500 Expanded polyethylene

Type VIII nylon webbing - (MIL-W-4088)

"D" ring - (MS22046)

Carabiner - (MS70121-1)



HELICOPTER CARGO NET - 5.000LBS

TYPE: NET

P/N Vertical: 07-0196-1

Application: Material transport

Composition: Net itself, support rod and suspension strap

Technical data:

Cargo capacity: 5.000 lbs / 2.268kg

Dimension: 4x4 meters

Materials:

Nylon webbing 1" type XVIII - (MIL-W-4088)

Nylon Lace III - (V-T-295)

12.29 oz Type Cotton Canvas - (CCC-D-419)



**RESTRICTOR VEST
LONG WEBBING / SHORT WEBBING**

TYPE: ADAPTATION STRIP

P/N Vertical: 07-0770-1 / 07-0771-1

Application: It serves to delimit the distance from the flight mechanic to the aircraft door, whether fixed or rotary wing.

Technical data:

Materials: Cordura 1000

Capacity: 80 lb

Dimension: 105cm x 38cm

Type VIII nylon webbing - MIL-W-4088

Ejectable Carabiner Type - (MS 22017-1)

Ejectable type carabiner - (MS 22017)

Type Carabiner - (PS 70121-1)

Type Adjuster - (MS 70124-1)

Type adjustable "V" ring - (MS 27765)

Back Adaptation Strap - (MIL-W-4088)



FOTO FLICKR - SGT JOHNSON - FORÇA AÉREA BRASILEIRA

MILITARY EQUIPMENT





MODULAR BACKPACK

DESCRIPTION

Made with: Cordura 500
 Zipper closure system
 Padding on straps and bottom
 It has 4 compartments
 1 special compartment for Hidrabag
 Colors: Olive green, Black or Gray Camouflage.
 Size: L= 52 cm x W= 42 cm
 Capacity 16 liters



SUSPENDERS

DESCRIPTION

Made with: Cordura 500
 Velcro system
 Color: Olive green
 space for 2 pistol magazines with velcro closure
 Structure with Padding
 Weight: 200 gr



TACTICAL BELT

DESCRIPTION

Color: Olive green
 Type XIII webbing - (MIL-W-4088) 7,000 lb
 EVA Rubber Padding
 Brass eyelets NO. 45
 Nylon closure and two 1" nylon webbing ties



COMMAND HOLSTER

DESCRIPTION

Made with: Cordura 500
 Velcro system
 Color: Olive green
 Nylon tic tac front closure



PISTOL CHARGER HOLDER

DESCRIPTION

Made with: Cordura 500
 Padded
 2 closing systems
 Velcro and button
 Color: Olive green



7.62 RIFLE LOAD HOLDER VELCRO SYSTEM

DESCRIPTION

Made with: Cordura 500
 50mm Velcro system on the back
 Nylon tic tac front closure
 Color: Olive green
 Nylon tic tac front closure
 Empty product weight: 95 grams



CHEST RIG

DESCRIPTION

Made with: Cordura 500
 Nylon line
 Braided Rope
 Color: Olive green
 Elastic: 80mm
 Nylon clasp: 25mm
 Single nylon dowel: 25mm
 Polyester zipper: N° 06



MODULAR HOSTER

DESCRIPTION

Made with: Cordura 500
 A 1.5mm polypropylene plate
 Nylon tic tac closure
 Male Velcro to adjust the height of the barrel
 The part that maintains contact with the leg is a type XIII webbing - (MIL-W-4088)



FIRST AID KIT POUCH

DESCRIPTION

Made with: Cordura 500
 Nylon tic tac front closure
 Velcro system
 Color: olive green



CANTEEN POUCH

DESCRIPTION

Made with: Cordura 500
 Nylon tic tac front closure
 Velcro system
 Color: Olive green



TRANSPORT BAG T-10

DESCRIPTION

Made with: Cordura 500
 Zipper closure
 Color: Olive Green
 Empty product weight: 600 gr



NOTEBOOK BAG

DESCRIPTION

Made with: Cordura 500
 Type VII nylon webbing
 Nylon webbing type 1" nylon zipper
 Expanded polyethylene
 1" elastic
 Metal hooks
 3/4 nylon webbing
 nylon screen

An aerial photograph of a city grid, overlaid with a semi-transparent blue filter. In the upper right, a large, light-colored parachute canopy is visible, with its suspension lines extending downwards. The city below shows a clear pattern of streets and buildings.

SPORT PARACHUTES
VERT



ICAL

SCORPION

***No one is like you
This sentence describes our Scor-
pion canopy***

The great evolution that this model represents is undeniable. The Scorpion is not a Cross braced, but it has an aerodynamic design that provides all the features that experienced skydivers need. It is the perfect combination of audacity, high performance, security and satisfaction.

The Scorpion provides us with excellent openings, dynamic flight and landings that can cover large distances while being as fast or smooth as needed. It was designed for daily use by instructors, fly cameras or Fun Jumpers and even in wingsuits.

OPENINGS

The opening process distributes air and energy evenly, ensuring the wing's axis of flight and such comfortable smoothness that your body will thank you at the end of the day. Its behavior during the opening process is unique and you will never again feel that old feeling of being thrown upside down when your canopy opens.

FLIGHT CHARACTERISTICS

Although the Scorpion does not have aggressive flight characteristics, with the appropriate wing load, it can generate a lot of energy and consequently fast and pleasurable flights. Its modified internal design ensures that it covers long distances very easily. The curves, whether with risers or with directional lines, are effective for different situations and modalities.

FLARE

Efficient, powerful and safe, allowing several options between traditional or faster, achieving excellent swoop, depending on the pilot's desire.

SIZES

84, 97, 107, 120, 135, 150, 170 and 190 FT.







The Merlin parachute reflects the magic of a smooth and precise flight in its flight.

The Merlin was designed for students, beginner athletes or even parachutists who require a more docile wing, allowing easy learning and execution of maneuvers during navigation and landing, reducing risks to its users.

Agility, great durability and safety make our parachute one of the most modern and reliable canopies in its category.

In this way, the Merlin manages to have a greater relationship between suspended weight and sail area. All material used was carefully studied, aiming to create a relationship between resistance, volume and weight. The Merlin development and construction process was based on a cluster of basic rules, aerodynamic study and procedures that produce knowledge from systematic and controlled observation. This is the sum of experiences collected in the field through interviews with instructors, parachutists and even students so that it was possible to understand which needs should be met. Fly and land safely from the start!

OPENINGS

The smooth, straight openings of the Merlin provided continuity of the jump. That feeling of something exploding over your head is gone. The uniform distribution of energy from the opening shock and the air through the intercell omissions underpinned the Merlin's main features: tight and smooth openings!

FLIGHT CHARACTERISTICS

Merlin's smooth and efficient flight makes it easier for students and beginner skydivers to learn, train and improve. Its aerodynamic design aims to suit beginner maneuvers in which the student can experiment with different ways of flying. The result of this project resulted in a wing with a high level of performance, allowing it to cover a good horizontal, smooth flight, with easy maneuverability and excellent handling without losing its main task, being a parachute for students. Correct use of the "wing load" will allow the Merlin to achieve horizontal advance with nose winds of up to 16 kts.

SIZES

200, 220, 240, 260, 280 FT





TANDEM³³⁴₃₆₄

Tandem

The Vertical Canopy 334, designed and built by Fábrica de Paraquedas Vertical do Ponto, was designed to provide us with a different Tandem canopy format. Its excellent opening, stable flight and safe landings, these are the points that make the canopy a reliable tandem parachute. The vertical 334 has all the features! Following the global standard, the Vertical 334 is manufactured with the already renowned rip stop nylon fabric Porosity Zero and has nine cells. Without moving away from the main objective of the tandem jump - taking the parachutist and the passenger safely to the ground - the Vertical 334 appears with a new flight proposal.

The 334 vertical consistently ensures straight, smooth openings; its modified angle of attack gives us greater penetration without losing its horizontal flight. Even in conditions of little or a lot of wind, the Vertical 334 performs safe landings. We can say that the Vertical 334 project was able to bring together the best of the already known canopies and also bring new features. Vertical 334, a new concept, a new generation of Tandem parachutes.



OPENINGS

The opening process occurs in phases, from when you can feel the lines fully distended, the canopy leaving the bag and the air entering through the canopy causing it to inflate. After the air begins to enter the central cell, the Vertical 334, with its perfectly balanced equalization system, allows it to pressurize evenly, ensuring the flight axis. The way of folding can also affect this time and the axis of flight, so always follow the guidance in the folding manual for this canopy.

FLIGHT CHARACTERISTICS

Although the general flight characteristics of the Vertical 334 are not aggressive, it presents a noticeable difference from the canopies already known on the market. Full glide: during full glide flight, it behaves in a smooth and agile flight, observing its excellent penetration without losing its long horizontal advance.

HALF BRAKE

It reduces its advance, but is able to maintain its smoothness, stability and aerodynamic glide. During the final turns for landing, the Vertical 334 does not present a large loss of height, maintaining the internal pressure of the wing. The Vertical 334 will actually respond faster in curves if they are made at right angles at half brake. This maneuver must be tested above 2500 ft, before starting the landing circuit, as each jump will have a different wing load.

FLARE

Responsible and dynamic, the Vertical 334 has an advanced and cheerful performance, which allows traditionally smooth or faster landings as desired by the Tandem Pilot. To achieve greater aerodynamic pressure on the final line for landing, it is possible to perform an advanced maneuver, as long as the limitations of height, wing load and skill of the tandem pilot are respected. In any situation, the Canopy Vertical 334 is capable of making smooth and safe landings without this maneuver.

SIZES

334 and 364 FT.



MAVERICK 350

A new generation of Tandem parachutes

The Maverick canopy, designed and built by Vertical do Ponto, was designed to provide us with a different Tandem canopy format. The Maverick canopy combines the solidity of traditional canopies and the agility of the most modern Tandem Canopies. Following global standards, Maverick is manufactured with the already renowned "Zero Porosity" nylon fabric and has nine cells. This project aims to provide Tandem pilots and their passengers with a new flight proposal. It provides straight, smooth openings and a fast flight with excellent penetration, in addition to a powerful flare.

OPENINGS

The opening process occurs in phases, from when you can feel the lines, fully distended, the canopy leaving the bag and the air entering through the canopy, causing it to inflate. After the air begins to enter the central cell, the Maverick, with its perfectly balanced equalization system, allows it to pressurize evenly, guaranteeing the wing's flight axis. The opening speed may vary depending on the suspended weight of the set, "pilot and passenger", that is, the more weight, the faster the opening can be, but always maintaining the flight axis. The form of folding can also affect this time and axis of flight. Therefore, always follow the instructions in the folding manual for this canopy.

FLIGHT CHARACTERISTICS

Although the Maverick's flight characteristics are not aggressive, it presents a noticeable difference from the canopies already known on the market.

TOTAL PLANNING

During full glide flight, it behaves in a smooth and agile flight, observing its excellent penetration without losing its horizontal advance.

HALF BRAKE

It reduces its advance, but is able to maintain its smoothness and aerodynamic glide stability. During the landing turns, the Maverick does not present a large loss of height, maintaining the internal pressure of the wing. It will actually respond faster in curves if they are made at right angles at half brake. This maneuver must be tested before starting the landing circuit, as each jump will have a different performance.

FLARE

Responsible and dynamic, it has an advanced and very sporty performance that allows smooth, fast or conservative landings, as desired by the Tandem Pilot.

SIZES

350 FT







VERTICAL DO PONTO INDÚSTRIA E COMÉRCIO DE PARAQUEDAS LTDA.

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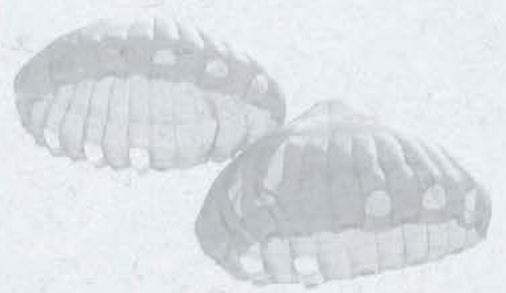
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SINCE 1990



HISTORY

WE ARE EXCITED TO SHARE OUR JOURNEY WITH YOU NOW AND IN THE FUTURE.

FOUNDED IN 1986 AND HEADQUARTERED IN BRUSSELS, ADVANCED AEROSPACE DESIGNS BEGAN AS AN ENGINEERING COMPANY PRIMARILY SPECIALIZING IN THE DESIGN AND MANUFACTURE OF SAFETY AUTOMATION SYSTEMS AIMED AT ACHIEVING ZERO-INJURY WORKPLACES.

IN 1997, ADVANCED AEROSPACE DESIGNS TURNED ITS ATTENTION TO AIR SPORTS WITH THE GOAL OF DEVELOPING A SPECIFIC SAFETY DEVICE FOR SKYDIVING, COMBINING OUR SAFETY EXPERTISE WITH THAT OF LEADING EQUIPMENT MANUFACTURERS, EXPERIENCED RIGGERS, AND PROFESSIONAL SKYDIVERS.

MEETING THE INDUSTRY'S DEMAND FOR A SINGLE UNIT THAT DOES IT ALL, A MULTI-MODE AAD WITH USER-ACCESSIBLE JUMP DATA, NO SCHEDULED MAINTENANCE, AND AN EXTENDED LIFESPAN, THE VIGIL AAD WAS BORN, AND IN 1999 OUR FIRST PATENT WAS GRANTED.

THIS INNOVATION IN THE INDUSTRY WAS A GAME CHANGER.

IN 2022, UNDER NEW OWNERSHIP AND WITH A NEW MANAGEMENT TEAM, WHICH COLLECTIVELY COMBINES 96 YEARS OF MANAGEMENT AND INDUSTRY EXPERIENCE, 196 YEARS IN THE SPORT, AND 44,600 JUMPS, WE ARE DRIVING THE COMPANY FORWARD AND BRINGING A FRESH APPROACH TO A WELL-ESTABLISHED AND TRUSTED BRAND.

IN THE 20 YEARS SINCE ITS LAUNCH IN 2003, THE VIGIL HAS BECOME AN ESSENTIAL PIECE OF EQUIPMENT FOR EXPERIENCED SKYDIVERS, TOP COMPETITORS, TANDEM AND STUDENT OPERATIONS, AND MILITARY MARKETS WORLDWIDE.



HISTORY

PARATEC GMBH BEGAN IN 1989 WHEN EVA AND GERD BRANDECKER FOUNDED THE COMPANY, INITIALLY CALLED PARATEX, PRODUCING PARACHUTING ACCESSORIES IN A GARAGE IN WALLERFANGEN. PASSIONATE ABOUT SPORT AND AVIATION, THEY STARTED WITH FIVE EMPLOYEES IN AN AREA OF 150 SQUARE METERS. IN 1995, STEFAN ERTLER JOINED AS A DEVELOPER, BRINGING NEW DESIGNS AND HELPING TO EXPAND INTERNATIONALLY. IN 2000, PARATEC RECEIVED A SIGNIFICANT ORDER FROM THE GERMAN ARMED FORCES AND HAD ITS PRODUCTS APPROVED ON THE INTERNATIONAL MARKET, MARKING AN IMPORTANT MILESTONE.

IN 2007, THE COMPANY MOVED TO A NEW 1,500 SQUARE METER BUILDING AT THE SAARLOUIS-DÜREN AIRFIELD, INCREASING ITS PRODUCTION CAPACITY. IN 2012, IT SIGNED A COOPERATION WITH THE BRAZILIAN COMPANY VERTICAL DO PONTO, EXPANDING ITS PRESENCE IN THE PARACHUTE MARKET. IN 2017, AFTER EVA BRANDECKER RETIRED, THE COMPANY INVESTED IN MODERN TECHNOLOGY AND HIRED JENS KLAUDTKY, A SPECIALIST IN ROUND CANOPY PARACHUTES.

IN 2022, PARATEC FOUNDED PARATEC NORTH AMERICA INC. AND ACQUIRED NATIONAL PARACHUTE, INC., EXPANDING ITS PORTFOLIO AND MARKET PRESENCE. THE COMPANY HAS ALSO DEVELOPED BACKUP SYSTEMS FOR SPACE TRAVEL IN COOPERATION WITH RENOWNED INSTITUTIONS. IN 2023, IT OPENED A NEW FACILITY IN DRESDEN, BECOMING A COMPETENCE CENTER FOR PARACHUTE PILOTS AND MANUFACTURING A LARGE PART OF ITS PRODUCT RANGE.

THUS, PARATEC GMBH HAS EVOLVED FROM A GARAGE INTO AN INTERNATIONALLY ACTIVE COMPANY, MANUFACTURING HIGH-QUALITY SKYDIVING EQUIPMENT AND DRIVING INNOVATION IN THE SECTOR.



PARATEC
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