



G I N

Yeti Manual – in addition to the Bolero 3



Please read this manual prior to your first flight with the Yeti.

Yeti 08 manual in addition to the Bolero3 manual

Thank you for buying the Yeti and flying with Gin Gliders

We hope that you will enjoy climbing and flying with this lightweight equipment.

The Yeti is the light weight version of the Bolero3: it is our ultra-light mountain glider model.

This user information is provided in addition to the Bolero3 manual, which must also be read carefully before flying the Yeti. The Yeti has very similar flying characteristics to the Bolero3. Gin Gliders have achieved great savings in the weight of the Yeti in comparison with the Bolero3

Warning

This glider and its light bag (plus the light harness and the light rescue, delivered as an option) is made from special materials in order to reduce the weight of the glider.

These special light materials (fabric, lines, risers, webbing etc) are more susceptible to ageing than regular materials, even though their strength is more than sufficient. The Yeti has passed the same 8G load test as all regular gliders.

For this reason, we ask that you:

- Have your Yeti fully inspected by an authorized GIN agent every year or after each 50 hours of flight, whichever is the sooner.
- Do not practice aerobatics, towing, paramotoring, or extreme manoeuvres to lose altitude, such as very deep spirals. For big ears, please practice them with caution. Only use "altitude-losing manoeuvres" when absolutely necessary. They will cause the material of your Yeti to age more rapidly.
- Take special care of this wing not only during it's use, but also in it's packing and storage. Be careful during ground handling at the take-off site, do not pack it too tightly when you are not climbing with it, and let it dry in the shade after each flight before final packing (the material of Yeti hates moisture and humidity).

To facilitate take off from steep slopes or snow, attachment points have been added to the top surface to fix the glider to the ground. You can find these attachment points on the top surface along the leading edge, 10mm webbing.

Technical Specifications

SIZE		19	22	24	26	28	31
FLAT	AREA	19.2m ²	22.1m ²	24.73m ²	26.35m ²	28.6m ²	30.93m ²
	SPAN	9.6m	10.3m	10.88m	11.23m	11.7m	12.16m
	A.R	4.79	4.79	4.79	4.79	4.79	4.79
PROJEC TED	AREA	16.7m ²	19.3m ²	21.54m ²	22.95m ²	24.91m ²	26.94m ²
	SPAN	7.8m	8.4m	8.9m	9.19m	9.57m	9.95m
	A.R	3.68	3.68	3.68	3.68	3.68	3.68
CHORD	ROOT	2.46m	2.64m	2.79m	2.88m	3.00m	3.12m
	TIP	0.74m	0.79m	0.84m	0.86m	0.90m	0.94m
TOTAL HEIGHT		6.15m	6.6m	6.98m	7.21m	7.51m	7.81m
CELL NUMBER		38	38	38	38	38	38
GLIDER WEIGHT		2.9kg	3.3kg	3.7kg	4.0kg	4.3kg	4.6kg
WEIGHT IN FLIGHT		N/A	50~65kg	55-75kg	70-90kg	85~105kg	100-110kg
Pilot weight in kg		N/A	45~60kg	50~70kg	63~85kg	78~100kg	93~105kg
DHV		N/A	In process	I	I	I	I

Description

FABRIC OF CANOPY

SUPPLIER	NAME	PORCHER NCV Industries	
	ADDRESS	L'Isle d'Abeau, Parc de Chesnes, 75, rue du Ruisseau 38070 SAINT QUENTIN FALLAVIER Cedex / France	
TYPE OF FINISH		SIDE COATED(POLYURETHANE)	
TYPE OF YARN		PA 6.6 HIGH TENACITY – 22 dtex	PA 6.6 HIGH TENACITY – 33 dtex
FABRIC CODE		F70000 E71A (Top, Bottom surface rear)	9017 E68A (Rip, Top, Bottom surface front)
PATTERN		Rip Stop	Rip Stop
Coated fabric's weight (g/sqm)		27 +/-1.5	36 +/-1.5
Tear Strength	WARP (DaN)	2.5 mini	2 mini
	WEFT (DaN)	2.28 mini	2 mini
Elongation on bias 3 lbs (%)		5.99+/-2	5+/-2
Elongation on bias 5 lbs (%)		13.85+/-4	11+/-4
Elongation on bias 10 lbs (%)		27.23+/-	24+/-
Break Strength	WARP (DaN/5cm)	30 mini	38 mini (average 41.6)
	WEFT (DaN/5cm)	26 mini	33 mini (average 38.4)
AIR Permeability p=2000Pa (l/SQMxMN)		-	20 maxi (average 5)

SUSPENSION LINE

MATERIAL		Dyneemaline				
SUPPLIER	NAME	LIROS Flightsporttechnique				
	ADDRESS	Rosenberger Tauwerk GmbH Poststrasse 11, 95192 Lichtenberg GERMANY				
Line type designation		DC 60 (top)	DSL70 (middle)	PPSL 120 (middle,main)	PPSL 160 (main)	PPSL 200 (main)
Diameter(mm)		0.6	0.95	1.15	1.4	1.42
Strength min (daN)		60	70	120	160	200
Strength eff. (daN)		84	92	159	198	241
Elongation at strength eff. (%)		3.2	2.8			1.59
Elongation / Line creep at 10 daN (%)		0.43 / 0.08	0.36/0.04	0.20/0.036	0.22/0.07	0.24/0.128
Elongation / Line creep at 30 daN (%)		1.2 / 0.31	1.0/0.25	0.58/0.13	0.54/0.16	0.55/0.26
Weight (g/m)		0.24	0.67	1.00	1.30	1.60

REINFORCEMENT

FABRIC CODE		W420 SCRIM
SUPPLIER	NAME	PORCHER NCV Industries
	ADDRESS	L'Isle d'Abeau, Parc de Chesnes, 75, rue du Ruisseau 38070 SAINT QUENTIN FALLAVIER Cedex / France
MATERIAL		POLYESTER SCRIM
WEIGHT(GR/M ²)		180
BREAKING STRENGTH (KG/5Cm)	WARP	137
	WEFT	118
TEAR STRENGTH (KG/5Cm)	WARP	4.2
	WEFT	4.1
WEAVE DESIGN		RIPSTOP

RISER

MATERIAL		KEVLAR and POLYESTER TAPE
SUPPLIER	NAME	Shinkwang
	ADDRESS	947-2 Dogok Wabu Namyangjusi Kyungkido Korea
WEIGHT(GR/M)		20.8
BREAKING STRENGTH		800DAN
WIDTH(mm)		12mm

MAILLONS

MATERIAL		MAILLON DELTA INOX
SUPPLIER	NAME	PEGUET
	ADDRESS	BP 205 74105 ANNEMASSE CEDEX FRANCE
WEIGHT(GR)		5.2
BREAKING STRENGTH		550 kg
DIAMETER(mm)		3.0

BRIDLE (ATTACHMENT LINES)

MATERIAL		NYLON
SUPPLIER	NAME	KOLON INDUSTRIAL CO.
	ADDRESS	45 MU KYO DONG JUNG – GU, SEOUL, KOREA
WEIGHT(GR/M)		3
BREAKING STRENGTH (kg)		84.8
WIDTH(mm)		10

THREAD

MATERIAL		HIGH TENACITY POLYESTER YARN	
SUPPLIER	NAME	AMANN & SOHNE GMBH & CO.	
	ADDRESS	INDUSTRIESTRASE 1, D-74391 ERLIGHEIM, GERMANY	
DENIER		150D/3	225D/3
BREAKING STRENGTH(EN2062)		2.9kg	3.2kg
ELONGATION AT BRAKE(EN 2062)		16%	16%