

tent collection

nineteen ninety eight

1 9 9 8

T E R R A



N O V A

E Q U I P M E N T

TERRA



NOVA
EQUIPMENT

Terra Nova tents are primarily designed to provide dependable protection in some of the world's most hostile climatic conditions.

Expedition proven for over two decades, Terra Nova shelters are classically designed and built to deliver performance when it counts.

As a group of experienced outdoor enthusiasts we're determined to continue to design and manufacture shelters to the highest possible standards. All Terra Nova tents and bivis are made in our factory on the edge of the Peak National Park in Derbyshire, England, from where we also provide a facility to support our comprehensive lifetime product guarantee, undertake an efficient repair service and offer advice from enthusiasts ready to share their knowledge.

The Watershed Fabric Programme

This programme was started by Terra Nova in 1992 in conjunction with the U.K.'s leading performance fabric manufacturers. It continues to use the best available technology to create the most suitable fabrics for the performance products we make.

Following on from the introduction of Watershed, we have now developed an Endurance version, Watershed 2, and Waterbloc, a new generation of Groundsheet fabric. These make their debut in the new '98 range of tents.

Endurance and Lightweight Tents

To make it easier to match your specific needs with the most suitable tent in our collection, we have divided models into these two broad categories for 1998.

COMPREHENSIVE LIFETIME PRODUCT GUARANTEE

All our tents are guaranteed to the original owner for their lifetime. Should a tent fail due to poor workmanship or material defect, Terra Nova Equipment will repair it free of charge or replace it, at their discretion. This guarantee is an addition to current statutory protection.

EFFICIENT REPAIR SERVICE

As outdoor enthusiasts ourselves we understand the frustration caused by absent gear. Our factory based facility is available to provide advice and help, and to undertake guarantee and affordable repair work, which we endeavour to complete within fifteen working days of go-ahead.

FRONT COVER SHOT - Mick Fowler at Bivouac No.7 on Changabang N. Face (May 1997) Photographer: Stephen Sustad

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lightweight range

The lightweight range is designed to meet the exacting standards of the minimalist backpacker, or anyone for whom high performance at the lowest weight is a priority. New for '98 is the Solar 2, an enlarged version of the acclaimed Solar, offering genuine two person comfort in a tent light enough for one to carry. Each model in the Lightweight range incorporates Watershed and Waterbloc fabrics.

- Fully taped Watershed flysheet
- **NEW** Waterbloc groundsheet
- High tenacity ripstop nylon 6.6 inner
- Easton 7075-E9 Aluminium Alloy poles

endurance range

This range has been developed for those who require the strongest and most durable Lightweight tent currently available. These tents are typically used by mountaineers and are specified by expeditions. They are equally suitable for those who simply seek total reliability. The range includes some of the best known and proven performance shelters available, such as the Quasar and the Hyperspace as well as the innovative new Trisar Convertible. All the tents in this range feature our new Watershed 2 and Waterbloc fabrics.

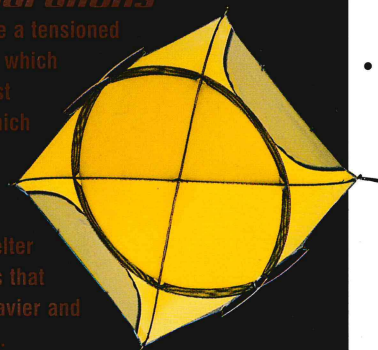
- **NEW** fully taped Watershed 2 flysheet
- **NEW** Waterbloc groundsheet
- High tenacity ripstop nylon 6.6 inner
- Easton 7075-E9 Aluminium Alloy poles

It's said that imitation is the sincerest form of flattery, so we should feel proud that tents that look just like ours can be seen all over the world. But looks can be deceiving. Terra Nova has over 20 years experience of making performance shelters which incorporate classic design and precise details of construction using the best materials for the job. This combination, coupled with a dedication to achieve the highest standards possible, is what makes Terra Nova the choice of enthusiasts world wide.

Geodesic design The strength of a Terra Nova tent is derived from its geodesic structure. Geodesic designs use intersecting flexible poles to achieve maximum internal volume, with an incredibly strong and lightweight frame. Their strength comes from the number and position of the crossover points, as the interlocking pole configuration spreads the tension evenly across the frame. Geodesic designs are also smoothly contoured to shed rain, wind and snow easily.

Pole configurations

Terra Nova tents have a tensioned self-supporting inner which provides the strongest possible frame on which to attach a flysheet. When covered by a guyed-out fly our tents will provide shelter in weather conditions that would destroy far heavier and more rigid structures.



Custom made Easton Aluminium alloy poles

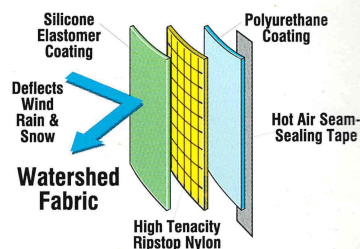
All our tents and bivi bags use Easton 7075-E9 Aluminium Alloy poles. These poles are designed to a proven Terra Nova specification and are the highest-quality available, with an ultimate tensile strength of 96,000psi. The poles are rolled from flat stock which produces a more consistent grain pattern than extruded tube and a further process integrates the invisible weld to make the finished product strong but supple.

U.V. Light Degradation All tent fabrics suffer from degradation by Ultra Violet (U.V.) light. This penetrates and degrades the fabric, which then fades and becomes brittle. The rate of U.V. degradation is impossible to predetermine since it is influenced by many variables. It is particularly prevalent in hot latitudes and at high altitude.

In tests carried out by Du Pont laboratories the range of Watershed fabrics developed by Terra Nova demonstrated the greatest resistance to U.V. light of any of the lightweight flysheet fabrics they tested.

The Watershed Programme

Prior to 1992, specialist tent makers had to adapt existing performance fabrics to their specific needs. Compromise was the inevitable outcome. The WATERSHED programme was started in 1992 to combine our expertise as tent makers with the latest fabric technology available. In partnership with the U.K's largest specialist fabric manufacturers, the objective was to create a range of fabrics specifically for the demands of performance tents and, on a continuous basis, incorporate the latest technology to remain at the forefront of development. WATERSHED fabric was the first innovation, and today represents the ultimate lightweight flysheet fabric available.



WATERSHED®

- The definitive, high performance, lightweight flysheet fabric - the first such fabric to be coated with Silicone Elastomer on the outside and Polyurethane on the inner.

Silicone Elastomer provides greater tear strength and resistance to U.V. light degradation with virtually no water absorption.

The polyurethane coating on the inner side adds a secondary waterproof layer, improves flexibility of the fabric, and accepts hot-weld seam tape to provide a guaranteed waterproof flysheet. This ripstop fabric is used on all models in the Lightweight range.

WATERSHED 2®

- **NEW** for 1998, WATERSHED technology combined with a heavier weight, smooth weave, base fabric. Specifically designed for the Endurance range of tents. In tests carried out by Leeds University, this fabric delivered twice the tensile and four times the tear strength of most standard fabrics available and its U.V. resistance was the highest of any similar flysheet tested.

WATERBLOC™ Groundsheets

- **NEW** for 1998, this is the most durable and water resistant groundsheet material currently available. It consistently maintains a high hydrostatic head measure even after extensive ageing and use. All Terra Nova groundsheets are constructed to a 'bath-tub' design to prevent wind, driven rain or snow from entering the inner tent. All stress points are reinforced and seam sealed.

High tenacity nylon 6.6

- This fabric is used as the base for Terra Nova flysheets and groundsheets, it represents the most durable nylon available, having significantly better resistance to U.V. degradation than equivalent polyesters. It also forms a superior bond with the waterproof Polyurethane coating for longer life.

Breathable Inner Tent Fabrics

The inner tent is strong, light and highly breathable. This allows moisture vapour from the inside to pass easily through to the flysheet, providing a greater level of comfort. The fabric is also fluorocarbon treated to protect the inner when it's pitched in the rain.

Inner Pitching first

Terra Nova have long believed that inner pitching first has significant advantages over other methods, because it:-

- Creates more usable space through steep, tensioned side walls
- Provides extra strength created by linking the tensioned inner, poles and flysheet
- Virtually eliminates fabric flapping
- Allows the inner to be used alone in warm, dry conditions
- Requires minimum guy points
- Enables the inner to be moved, once pitched, to optimise positioning
- Is quicker and easier to pitch, especially in poor conditions

3 season tents

Suitable for upland use in good weather, these tents require a sheltered site in bad weather.

4 season backpacking tents

These are suitable for year round use in most conditions. They have some snow-shedding and good wind-resistance qualities.

4 season mountain tents

Intended for extended use in the severest weather conditions, these models withstand heavy snow loading and high winds.

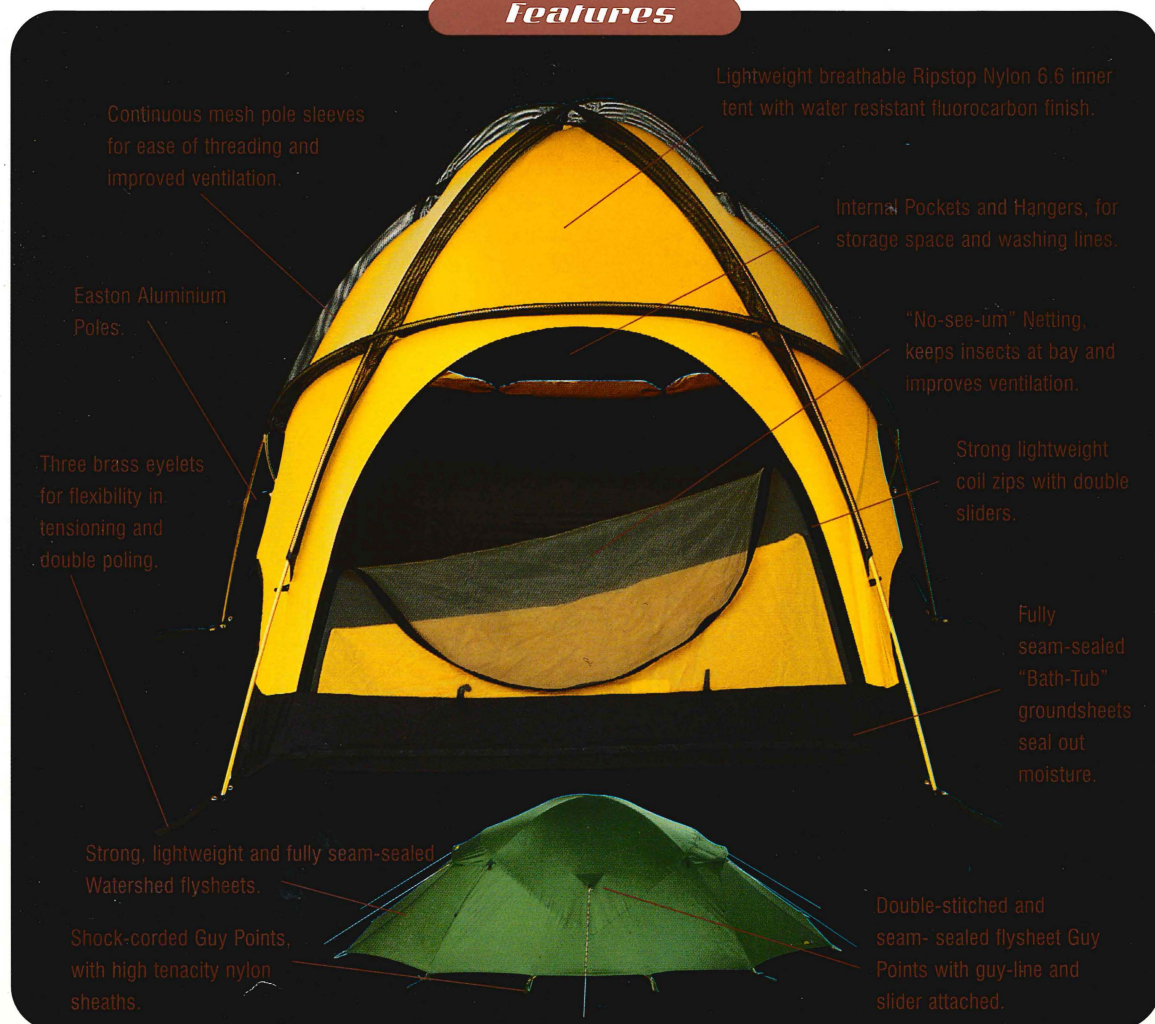
High altitude

Single wall tents intended for use at the most demanding levels of high altitude and for Alpine climbing.

Fully seam-sealed waterproof flysheets

Because of the unique characteristics of the Watershed range of fabrics, all our flysheets are hot-air taped along the inside seams. This guarantees a totally waterproof flysheet.

Features



solar

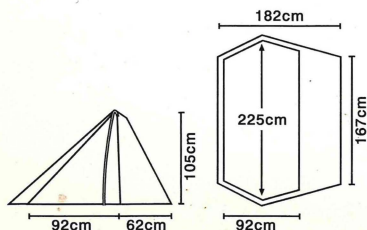
lightweight range

Inner Tent Colour : Gold
Outer Tent Colour : Green or Red

The smallest and lightest Terra Nova tent which offers an unrivalled space to weight ratio.

The Solar has good sitting room and a large porch area, making it suitable for prolonged use. It is simple to pitch and provides good stability.

Ideal for mountain marathons, cycle touring and backpacking.



OUTER TENT: Watershed Ripstop Nylon (fully taped seams).
INNER TENT: Lightweight Breathable Ripstop Nylon.
GROUND SHEET: Waterbloc Nylon (fully taped seams).
POLE: 1 x Easton 7075-E9 aluminium alloy (8.5mm).
PACKED SIZE: 13cm x 44cm.
WEIGHT: 1.85kg.
PERSONS: 1-2
SEASON RATING: 3 Season.
USER RANGE: Minimalist backpacking, cycle touring, mountain marathons.



At rest, inbetween landslides along the Karakoram Highway, northern Pakistan. Photographer: Ben Stephenson.



Ultra light in weight, with a tiny packed size, the Solar has been specially designed to fit comfortably on top of a pannier.

Photographer: Ben Stephenson.

Between Islamabad in northern Pakistan and the oasis town of Kashgar in north west China, there is a road more than 1000km long known as the Karakoram Highway. It is a remarkable feat of engineering, which cost the lives of hundreds of road-workers as they forged a route over two mountain ranges, the Karakoram and the Pamir, under constant threat from land-slides, avalanches and blizzards. The Karakoram Highway is part of the ancient silk road between China and Europe and, as you wind through precipitous gorges guarded by towering peaks over 7500m high, it's awe-inspiring to remember the countless tradesmen who have trodden this path in search of their fortune. The scenery, colourful history and local hospitality are strong enough attractions for today's silk road travellers, some of whom, like Hannah and I, chose to go by bike.

It was while zig-zagging breathlessly up towards the Khunjerab Pass (4934m) that we came across two New Zealanders coming in the opposite direction. They were loaded down with gear, crammed into four panniers plus a handle-bar bag each, yet incredulously they were carrying neither tent nor stove. Eric and Ange scoffed when they examined our small, compact panniers and

didn't realise that the roll mat on my back-rack had a tent inside! Later on they revealed to our amazement that when they started cycle touring they carried a double duvet and two pillows in a hard plastic case strapped to the back of one of their bikes!

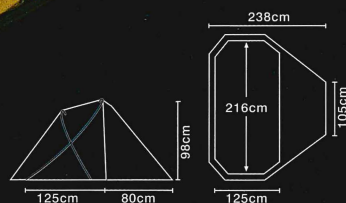
In stark contrast was the approach of a Yorkshireman called Chris, complete with flat cap, and obviously an advocate of the Shipton-Tilman lightweight philosophy. He carried a sleeping bag, a few books and "nowt else"! We cycled together for a few days and when it got cold he scrounged a polythene sheet to sleep beneath which I had to rescue from the Karakul Lake, when a freak gust of wind stripped him of his only shelter.

We were somewhere inbetween these two extremes. Our Solar tent allowed for a great deal of self sufficiency but didn't weigh us down excessively. This was appreciated on one occasion in China when a Tibetan dog the size of a small pony came tearing out of the undergrowth intent on having cyclists' calves for lunch. A burst of acceleration followed by a well-aimed rock to the head however, soon showed him that man is still the master in that relationship. As we dozed off that night, in an idyllic camp site nestled in a Pamir meadow, we thought we could hear the sound of panting and were glad of something more than a polythene sheet for protection!

BEN STEPHENSON

solar 2

lightweight range





Photographer: Scott Muir

NEW for '98, the Solar 2 is a genuine ultra lightweight two person tent. The large floor area and twin pole construction create a huge amount of headroom and living space, while the stability of the pole configuration makes it ideal for high altitude trekking or sheltered winter use.



Inner Tent Colour : Gold
Outer Tent Colour : Green or Red

- OUTER TENT:** Watershed Ripstop Nylon (fully taped seams).
- INNER TENT:** Lightweight Breathable Ripstop Nylon.
- GROUND SHEET:** Waterbloc Nylon (fully taped seams).
- POLES:** 2 x Easton 7075-E9 aluminium alloy (9.65mm).
- PACKED SIZE:** 14cm x 56cm.
- WEIGHT:** 2.4kg.
- PERSONS:** 2
- SEASON RATING:** 4 Season backpacking.
- USER RANGE:** Lightweight backpacking, cycle touring.

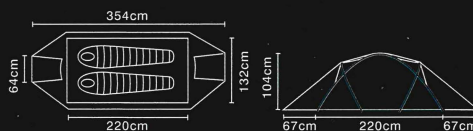
ultra quasar

lightweight range

This lightweight version of the classic Quasar is for mountaineers and serious backpackers for whom minimum weight is a major factor in their choice of a performance shelter.

Inner Tent Colour : Gold
Outer Tent Colour : Green or Red

- OUTER TENT:** Watershed Ripstop Nylon (fully taped seams).
INNER TENT: Breathable Ripstop Nylon.
GROUND SHEET: Waterbloc Nylon (fully taped seams).
POLES: 4 x Easton 7075-E9 aluminium alloy (9.65mm).
PACKED SIZE: 18cm x 56cm.
WEIGHT: 3.6kg.
PERSONS: 2.
SEASON RATING: 4 Season Mountain.
USER RANGE: Mountaineering, backpacking.
OPTIONS: Snow valance (see page 31).
 Quasar ETC flysheet and porch pole (see page 17).
 (Watershed 2 only).



ultra hyperspace

lightweight range

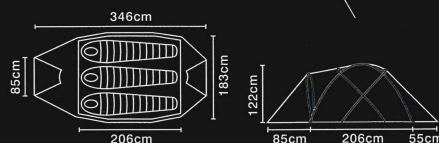
Nam Tso Lake
north of Lhasa, Tibet, Bedford
School Expedition
Photographer
Richard Bird

The Ultra Hyperspace incorporates all the features of this proven base camp tent and utilises Watershed fabric to achieve weight saving.

Inner Tent Colour : Gold

Outer Tent Colour : Green or Red

- OUTER TENT:** Watershed Ripstop Nylon (fully taped seams).
- INNER TENT:** Breathable Ripstop Nylon.
- GROUND SHEET:** Waterbloc Nylon (fully taped seams).
- POLES:** 4 x Easton 7075-E9 aluminium alloy (9.65mm).
1 x Easton 7075-E9 aluminium alloy porch pole (8.5mm).
- PACKED SIZE:** 18cm x 74cm.
- WEIGHT:** 4.4kg.
- PERSONS:** 3.
- SEASON RATING:** 4 Season Mountain.
- USER RANGE:** Backpacking, mountaineering, base camps.
- OPTIONS:** Snow Valance (see page 31).



The first British Ascent of Gimmigela

Gimmigela lies just below the North face of Kangchenjunga (8586m), the third highest mountain in the world.

We had established two camps on the S.E. ridge of Gimmigela and were in the process of ferrying equipment further up the mountain before a summit attempt. Conditions during the period (Mar 97 - May 97) had been particularly bad with constant large dumps of snow and storm conditions. In fact we had had snow every day, usually between mid-day and 10pm, for a period of three weeks as we had toiled up the mountain.

Camp 1 was sited 2,500ft above the Kangchenjunga glacier at an altitude of approximately 20,000ft. Kangchenjunga's Northern face lay directly south-east of us some 3km away. On the day in question, a series of events coupled with the extremely bad weather had resulted in three of the team, myself included, being at Camp 1. This was unfortunate because the ridge on which Camp 1 was situated was only sufficient for two people. Nevertheless, we were forced to remain in prospect of the weather improving. With there being so little free space, all our clothing and equipment had been placed into rucksacks and attached to an anchor point which also had the safety line for the tent secured to it.

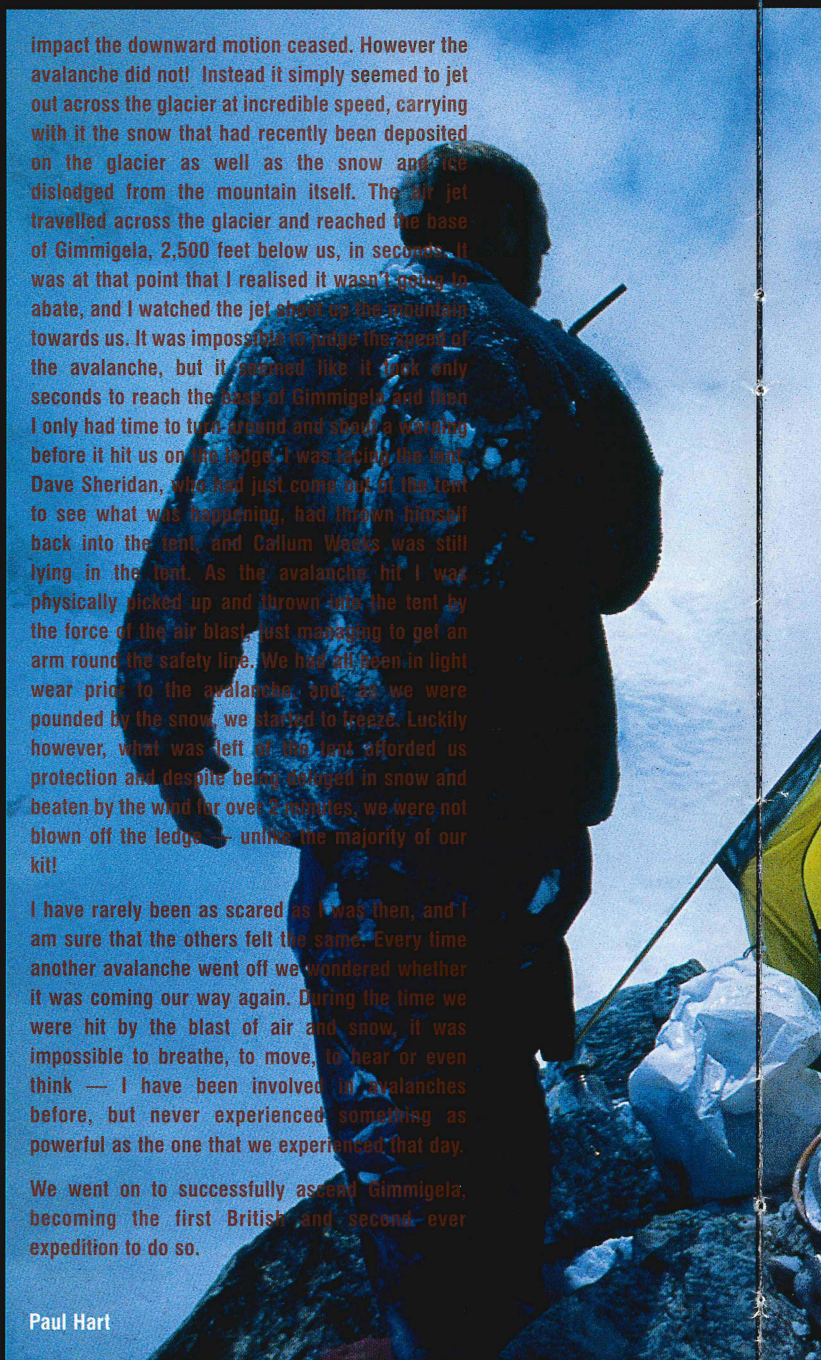
About 1500hrs that afternoon we were all in the tent trying to get some sleep in preparation for an early start the following day, when we heard an almighty avalanche go off on Kangchenjunga. It was by far the loudest noise I had ever heard and, thinking it would be quite spectacular to watch, I left the tent to see what was going on. As I stepped on to the ledge in only the most minimal of clothing (the snow had now ceased and the sun had come out), I saw the final stages of the avalanche on Kangchenjunga. A huge serac had collapsed and sent millions of tonnes of ice crashing down the mountain. As it fell several thousand feet onto the Kangchenjunga glacier it set off numerous other avalanches, all of which combined at the base of the mountain on the glacier itself. At the point of

impact the downward motion ceased. However the avalanche did not! Instead it simply seemed to jet out across the glacier at incredible speed, carrying with it the snow that had recently been deposited on the glacier as well as the snow and ice dislodged from the mountain itself. The air jet travelled across the glacier and reached the base of Gimmigela, 2,500 feet below us, in seconds. It was at that point that I realised it wasn't going to abate, and I watched the jet shoot up the mountain towards us. It was impossible to judge the speed of the avalanche, but it seemed like it took only seconds to reach the base of Gimmigela and then I only had time to turn around and shout a warning before it hit us on the ledge. I was facing the tent, Dave Sheridan, who had just come out of the tent to see what was happening, had thrown himself back into the tent, and Callum Weeks was still lying in the tent. As the avalanche hit I was physically picked up and thrown into the tent by the force of the air blast, just managing to get an arm round the safety line. We had all been in light wear prior to the avalanche and, as we were pounded by the snow, we started to freeze. Luckily however, what was left of the tent afforded us protection and despite being deluged in snow and beaten by the wind for over 2 minutes, we were not blown off the ledge — unlike the majority of our kit!

I have rarely been as scared as I was then, and I am sure that the others felt the same. Every time another avalanche went off we wondered whether it was coming our way again. During the time we were hit by the blast of air and snow, it was impossible to breathe, to move, to hear or even think — I have been involved in avalanches before, but never experienced something as powerful as the one that we experienced that day.

We went on to successfully ascend Gimmigela, becoming the first British and second ever expedition to do so.

Paul Hart





Camp 1 after the avalanche. Photographer: Paul Hart

voyager
endurance range

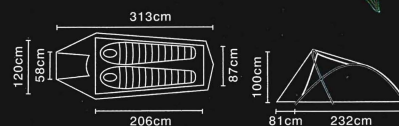
Exploring unclimbed peaks from the Bagini Glacier, Garwhal, India. Summits in the background are Saf Minal (6911m), Kalanka (6931m) and Changabang (6864m).

Photographer:
Julie-Ann Clyma

Designed for minimalist trekkers and backpackers, The 3 pole geodesic shape produces a strong, stable and lightweight tent for 2 people and its small pack size makes it a favourite with cycle tourists.

Inner Tent Colour : Gold
Outer Tent Colour : Green or Red

OUTER TENT: Watershed 2 Nylon (fully taped seams).
INNER TENT: Breathable Ripstop Nylon.
GROUND SHEET: Waterbloc Nylon (fully taped seams).
POLES: 3 x Easton 7075-E9 aluminium alloy (8.5mm).
PACKED SIZE: 14cm x 56cm.
WEIGHT: 2.8kg.
PERSONS: 2.
SEASON RATING: 4 Season Backpacking.
USER RANGE: Lightweight backpacking.



Trisar convertible

endurance range

This new tent is a development of the highly popular 3 pole Trisar and features an optional fourth pole to provide 4 season performance when required. If weight saving is your priority leave the extra pole at home, but for all-weather protection the fourth pole strengthens the rear of the tent to combat strong winds.

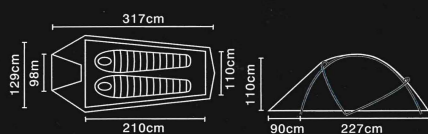
The improved design provides more space and 60% more porch area than before, coupled with easier access and better ventilation.



Inner Tent Colour : Gold
Outer Tent Colour : Green or Red



- OUTER TENT:** Watershed 2 Nylon (fully taped seams).
- INNER TENT:** Breathable Ripstop Nylon.
- GROUND SHEET:** Waterbloc Nylon (fully taped seams).
- POLES:** 4 x Easton 7075-E9 aluminium alloy (8.5mm).
- PACKED SIZE:** 16cm x 56cm.
- WEIGHT:** 3.3kg (4 poles); 3.1kg (3 poles).
- PERSONS:** 2.
- SEASON RATING:** 4 Season Backpacking.
- USER RANGE:** 3 pole - backpacking. 4 pole - mountain backpacking.

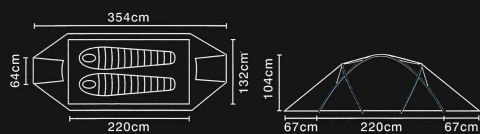


Trisar Convertible

quasar
endurance range



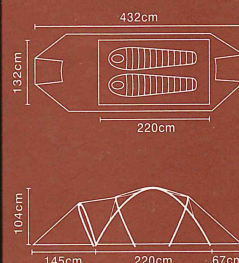
Inner Tent Colour : Gold
Outer Tent Colour : Green or Red



The Quasar is the definitive 2 person mountain tent regarded as "best in class" worldwide. Its exceptionally strong geodesic design has withstood the test of Himalayan storms and Arctic gales for over two decades. The use of Watershed 2 and Waterbloc fabrics enhances this model's exceptional qualities, ensuring that it maintains its place at the forefront of mountain-tent technology

Quasar ETC

This extended tent canopy (ETC) is available as an option for those who already own a Quasar or Ultra-Quasar. The extra porch space is ideal for extended use. Please consult your local retailer for further details.



OUTER TENT: Watershed 2 Nylon (fully taped seams).
INNER TENT: Breathable Ripstop Nylon.
GROUND SHEET: Waterbloc Nylon (fully taped seams)
POLES: 4 x Easton 7075-E9 aluminium alloy (9.65mm).
PACKED SIZE: 18cm x 56cm.
WEIGHT: 4.1kg.
PERSONS: 2.
SEASON RATING: 4 Season Mountain.
USER RANGE: Mountaineering expeditions.
OPTIONS: Snow valance (see page 31).
 Quasar ETC flysheet and Porch pole.

Gasherbrum One (8068m).
 Base Camp: Karakoram
 Photographer: David Hamilton/High Adventure.

super quasar
endurance range

The Super Quasar incorporates over 2 decades of experience in high performance tent making and is arguably the finest 2-3 person expedition tent available. Its unique pole geometry creates great internal volume whilst retaining an excellent wind shedding shape.

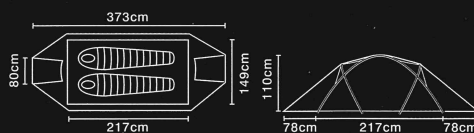
Inner Tent Colour : Gold
Outer Tent Colour : Green or Red



OUTER TENT: Watershed 2 Nylon (fully taped seams).
INNER TENT: Breathable Ripstop Nylon.
GROUND SHEET: Waterbloc Nylon (fully taped seams).
POLES: 4 x Easton 7075-E9 aluminium alloy (9.65mm).
PACKED SIZE: 20cm x 60cm.
WEIGHT: 4.4kg.
PERSONS: 2-3.
SEASON RATING: 4 Season Mountain.
USER RANGE: Mountaineering, expeditions.
OPTIONS: Snow valance.

Super Quasar used on the successful ascent of the north face of Kangchenjunga 1997.

Photographer: Jonathan Pratt



*'It was one of the worst nights I'd ever had in the mountains,
but on this expedition worse was to follow...'*



Photographer: Jonathan Pratt

75, **I was** at our second camp when we endured our first blizzard. As more and more snow fell the avalanches began pouring down the north face of Kangchenjunga.

Our route snaked up the Face avoiding the major avalanche zones – but that didn't spare us from the minor ones, and despite being sheltered under a serac we were being hit about every 15 minutes. You could hear them coming – a distant schussing noise – you would flinch and screw your eyes up tight anticipating the inevitable impact; just hoping this one would only pound the hell out of the tent and not be the one that swept everything before it. It was a very, very long night, maybe we slept but I couldn't recall it: the strain was too much.

The storm eventually subsided, the coming of light bringing an ethereal calm. When I opened the tent door a stream of fresh snow poured in – we were completely buried. Incredibly, all the tents had survived the night's bombardment, and after a morning's digging, camp was once again restored to some semblance of order. It was one of the worst nights I'd ever had in the mountains, but on this expedition worse was to follow.

From the beginning conditions on Kangchenjunga had been harsh: it was colder than any mountain I had been on before and two of our climbers sustained frostbite even before we got above 6000m.

When we got in a high camp at 8000m things didn't improve; now it wasn't the avalanches but the scything wind that tore across the



Photographer: Jonathan Pratt

WATERSHED 2 - Endurance Testing

We used the Kangchenjunga trip to test some of the features of Watershed 2. After 55 days of continuous use above 5500m and subjected to ferocious weather, the flysheet remained unscathed. UV levels were high but the fabric showed only slight discolouration. The tent itself, a Voyager, suffered no damage whatsoever.

upper part of Kangchenjunga – just the noise alone made sleep impossible. We staggered back to Base Camp looking drawn and haggard. This was a real test of endurance and the mountain was slowly breaking our spirit. But, when almost everyone had given up hope, there was a brief lull in the winds. Fortunately, one member of our team, Scott McKee, was on the mountain at the time, and he boldly decided to go for the summit alone. Even as he was preparing to leave, the mountain was having second thoughts and the clouds started to close in, but Scott pushed on, struggling to break trail alone through the deep snow. After eight hours effort he reached the summit ridge.

The first three teams to climb Kangchenjunga (British and Indian teams) respected the wishes of the local people and did not stand on the true summit, but after that no one took any notice and trampled all over the top. It may seem irrelevant now

the summit has been desecrated, but we felt it was important to show some regard to the beliefs of the local people and so Scott stopped just short of the summit.

On his way down, as if in contrition for lowering its defences, Kangchenjunga enveloped itself in the worst storm of the season. Scott had a long and desperate descent; at the rockband an avalanche swept him down 100m, but fortunately, Tom Herries, who was waiting for his return, saw him and came to his aid.

It had been a long hard expedition; we had all given so much, and the reward had been hard to win. It was the first ascent of the North Face for 15 years (the two previous ascents were in '80 by the Japanese and '82 by the Czechs); I had wondered why no one had climbed it since and now I understood.

hyperspace

endurance range

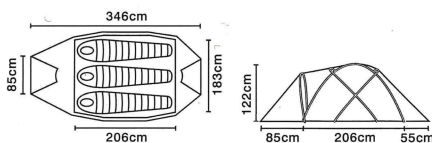


Inner Tent Colour : Gold
Outer Tent Colour : Green or Red

Geodesic, elongated dome, with excellent stability and space to sleep 3. A perfect blend of internal volume, weight and strength. Originally designed as an advance base camp tent, its features have also made it a popular choice with backpackers requiring a proven 4 season shelter.



- OUTER TENT:** Watershed 2 Nylon (fully taped seams).
INNER TENT: Breathable Ripstop Nylon.
GROUND SHEET: Waterbloc Nylon (fully taped seams).
POLES: 4 x Easton 7075-E9 aluminium alloy (9.65mm).
 1 x Easton 7075-E9 aluminium alloy (8.5mm).
PACKED SIZE: 18cm x 74cm.
WEIGHT: 5.0kg.
PERSONS: 3.
SEASON RATING: 4 Season Mountain.
USER RANGE: Mountaineering, base camp, family, expeditions.
OPTIONS: Snow valance (see page 31).





Photographer: Scott Muir

'The mountains cover your presence, returning to a timeless state just as quickly as the marks are made.....'

We could hear it coming. That was the most terrifying part. The cracked open sky screamed in anger, unleashing an unsurpassed wrath. Swearing was futile at our unseen oppressor. No one could hear us, no one could see us, no one could help us. We knew full well what was happening and the cold realisation of our insignificance as we waited patiently for impact. We hoped the end would be quick. Gordon donned his helmet as a gesture of submission as the black void of night enshrouded and blinded our senses. The overwhelming force of nature crushed us like a human savagely standing on an ant. I accepted that this was it, a brutally violent end, never before contemplated as anything but mountaineering fairy tales.

I gagged in my foetal position wishing I was a fraction of my size as the impact ripped my heart from my mouth. The fear was excessive, I couldn't shed any tears, this was more like Russian Roulette than mountaineering. The following holocaustal rush of sulphur filled air hit us like a truck, increasing my sensitivity to the environment. Fragments of snow shrapnel rained on the tent and I could slowly feel myself lose touch with reality, existing only in a different dimension.

The silence was deafening. We huddled in anticipation. 1200m up the north east Face we could hear the ice boom, which in turn dictated the beat of our hearts. Then the scream. A shrieking scream, a scream that

progressively increased as terminal velocity snatched control and directed our predator with laser point accuracy to the deck. The blood curdling crunch sent out earthquake like tremors.

I sat bolt upright, sweating in the freezing air. The head-torch beam lit up a thousand myriad ice crystals as they danced in the midnight sky. My level of arousal totally in tune with the environment. The crunching had been David's footsteps on the neve as he stood on the bivi ledge preparing a departing brew. It was summit day. I was haunted by the intense experience that plagued intermittent sleep. The horror of 6 days previous played heavily on my mind and the anxiety of a 12 midnight departure saw me filling plastic boots with weary and leaden feet. My mind switched off as I packed in automatic.

The objective dangers and weather on the north east Face had meant that we had to abort the attempt and re-focus on the elegant north Ridge where I now found myself waking from nightmare repercussions of our previous attempt. Streaking across the sky, a shooting star heralded a perfect night as it lit up the mountains momentarily like a flair. There was no distress this time, only the opportunity to wonder at the visual extravaganza. I contemplated where our personal struggles fitted in with such a powerful and vast natural environment. I smiled to myself. Privileged to experience

the night which could so easily be taken from our fragile existence. The uniform snow slope steepened suddenly, briefly I lost my balance, stumbling forward and automatically thrusting my tools dagger like into the squeaky neve surface. Rhythmic frontpointing made for fast progress and we moved up, encapsulated in four small balls of head-torch light, out of which their seemed no existence that I could determine. Intermittent flurries of wind blown snow, cloaked me in a thin white dusted veneer and lightning could be seen dancing in the direction of Deo Tibber.

Hugging the cornice as closely as we dared, I looked at the trench that we had already ploughed along its edge. I shivered at its worrying depth and proximity to the edge. On our right was an indeterminately steep slope which disappeared, a treacherous layer of windslab covered it with an aerated layer that settled alarmingly all around with a thump. On our left Air, and the 1200m north east Face. Our situation no longer felt intimidating as we arrived on the fore summit, it was just desperately cold. The rope flew in the air horizontally, willing us to the edge. Digging a snow pit we waited for dawn. In the east the sky boiled a furiously beautiful red and orange which reflected in the swirling cloud seas below. Our final ingredient was the sun as it cast a definable shadow of the peak into the black night sky in the west.

The last few steps to the top seemed disrespectful as we marked its pristine surface, just as Armstrong had on the moon for the first time. Unlike the moon however, the mountains cover your presence, returning to a timeless state just as quickly as the marks are made, denying the importance and existence of those who have had the privilege to walk the tops. The changing beauty of the natural environment never ceases to amaze and gives us a deep realisation of how sweet life can be and an overwhelming satisfaction which keeps us doing what we do best. Surviving.

First Ascent of the THRONE 5840m, Himachal Pradesh, Indian Himalaya, 10-12th Sept 1997 S Muir, G Lennox, K Kelly, D Proudfoot, North Ridge AD+ Scottish III/III, Copyright Scott F Muir 1997

terra firma

endurance range

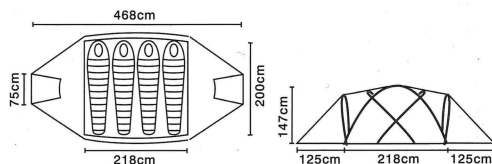


With its vast internal space the Terra Firma is a favourite base camp shelter on Himalayan and polar expeditions. It is equally popular as a family tent for year-round camping. Its relatively low weight makes it portable between four on an expedition.

Inner Tent Colour : Gold
Outer Tent Colour : Green or Red



- OUTER TENT:** Watershed 2 Nylon (fully taped seams).
INNER TENT: Breathable Ripstop Nylon.
GROUND SHEET: Waterbloc Nylon (fully taped seams).
POLES: 4 x Easton 7075-E9 aluminium alloy (11mm).
 2 x Easton 7075-E9 aluminium alloy (9.65mm).
PACKED SIZE: 22cm x 74cm.
WEIGHT: 7.3kg.
PERSONS: 4.
SEASON RATING: 4 Season Mountain.
USER RANGE: Mountaineering, base camp tent, family, expedition.
OPTIONS: Snow valance. (see page 31).



gemin high altitude

The Gemini is a specialist high altitude shelter for use on cold, high mountains. It performs well on difficult ascents where simplicity of pitching coupled with a minimum 'footprint' are essential.

Note: Gore-Tex tents perform best at high altitude, they must be well ventilated to avoid condensation.

Colour : Blue

OUTER TENT: 3 layer Nexus Gore-Tex (fully taped seams).
INNER TENT: —
GROUND SHEET: Waterbloc Nylon (fully taped seams).
POLES: 3 x Easton 7075-E9 aluminium alloy (9.65mm).
PACKED SIZE: 16cm x 56cm.
WEIGHT: 2.9kg.
PERSONS: 2.
SEASON RATING: High Altitude.
USER RANGE: Mountain and polar expeditions.



Photographer: Scott Muir.

bothy bags

Bothy Bags are small, lightweight shelters that provide immediate protection from the elements. They are made from proofed Ripstop nylon and include a durable, waterproof seat. Simply take the Bothy Bag out of its integral stuff sack, pull it over the head, position the seat under your bottom and sit down. Once inside, lean back causing the fabric to become taut. The material will act as a support, the stuff sack becomes an air vent and you instantly have a dry, windproof shelter. Bothy Bags are available in two or four person options. They are extremely lightweight (300g and 400 g) and have a pack size small enough to allow them to be stuffed into a rucksack pocket.

Photographer: Scott Muir.



2 man Bothy Bag in use

- Creates a warm internal micro climate
- Durable waterproof seats
- Ideal for lunch stops
- Manufactured in 100% waterproof Ripstop nylon
- As used by outdoor centres and mountain guides worldwide
- Two and three/four person models available

2 MAN BOTHY :	20 x 12.5cm	300gms.
4 MAN BOTHY :	22 x 12.5cm	400gms



titan

An alpine/expedition bag for climbers and mountaineers where complete protection is of paramount importance. It features an 'L' zip to aid access and provide entry points for ropes and slings, large gauge zips for strength and reliability and the oversized hood provides room to manoeuvre inside. All the zips are protected by storm flaps with velcro closures to keep out spindrift and to enable ventilation in the worst conditions. Fully taped seams.

discovery

Ideal for the occasional user or for emergency use. Features include a full horizontal zip with rain flap, half moon foot and generous hood for storage. Fully taped seams with a waterproof abrasion resistant base.

apollo

A brilliant all round bag which can be used anywhere. A highly breathable design, it is suitable for extended use. Features as the Discovery but with a zipped mossie net.

Jupiter

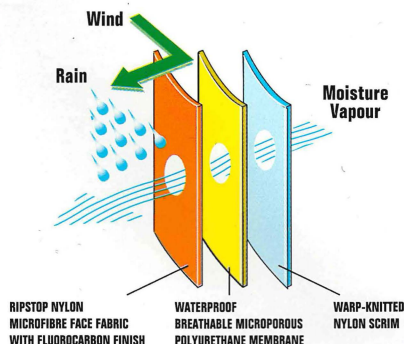
Designed for minimalist campers and backpackers. The single Easton aluminium 7075-E9 pre-curved pole at the head of the bag creates a much less claustrophobic atmosphere than other Bivis, as the fabric is suspended away from your face. Features include a 'Crocodile' entry, with integral storm flap and an internal mesh door to keep out bugs. Pegging out the forward roof section offers protection from the rain while ensuring maximum ventilation. If the Bivi is left unattended, it can be pegged out using the five small loops provided. Fully taped seams.

Bivi bags

As part of the continuing Fabric Development Programme, Terra Nova has developed a new lightweight 3 layer laminated fabric for our 1998 range of Bivi bags.

The fabric comprises: a Ripstop nylon microfibre face fabric with a durable fluorocarbon water-repellent finish; a waterproof, breathable, microporous polyurethane membrane; a backing scrim of warp-knitted nylon.

This construction combines excellent waterproofness and breathability with low weight and good durability.



TITAN



DISCOVERY



APOLLO



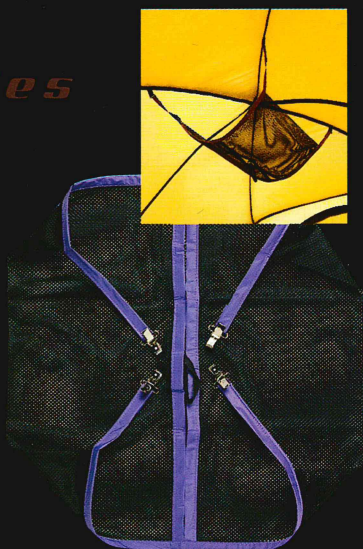
JUPITER

TITAN:	225 x 88cm	750gms	Black
DISCOVERY:	225 x 88cm	700gms	Red upper, black base
APOLLO:	225 x 88cm	650gms	Black
JUPITER:	230 x 70 x 45cm	850gms	Red upper, black base

Tent accessories



GROUND SHEET PROTECTORS



THE LOFT



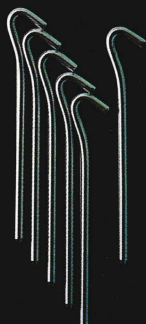
EMERGENCY REPAIR KIT



TENT CLEANER



S.O.S STAKES



SPARE PEGS



ZIP LUBE

groundsheet protectors

When weight considerations permit, (or harsh conditions demand), we recommend the use of Groundsheet protectors. Tailor-made for each tent in the range they provide extra protection from sharp ground and help to increase the life of the tent's groundsheet.

Solar - 0.3kg

Solar 2 - 0.4kg

Voyager - 0.35kg

Trisar Convertible - 0.4kg

Ultra Quasar, Quasar - 0.4kg

Super Quasar - 0.5kg

Ultra Hyperspace, Hyperspace - 0.65kg

Terra Firma - 0.75kg

the loft

More suitable for the larger tents in our range, The Loft is an ideal way of increasing storage space. Designed to clip to the binding near the apex of the inner tent, it is quick and easy to fit and offers 2 storage pockets and a torch loop. (One size)

emergency repair kit

The ERK contains; patches of flysheet and groundsheet fabric, a tube of rubber solution glue to provide a waterproof seal, a pole repair tube and two guy lines and sliders.

tent cleaner 300ml

For use on all our flysheets and inners, Terra Nova Cleaner will clean the fabric without impairing breathability or waterproofness.

sand or snow stakes (s.o.s.)

These pegs are a cross between a peg and a deadman. They are designed for use on snow or sand where the increased depth and width provides a more stable anchor point than a standard peg. There are 10 in a pack.

zip lube 70ml

Zip Lube is a silicone-based spray for lubricating tent zips and protecting Easton poles.

spare pegs

This pack contains 6 of our strong, lightweight custom made 7001-T6 Aluminium Alloy Pegs.

Terra Nova Customer Services and Product Care Programme

Our dedication to designing and producing the best performance tents extends to their performance and care in use.

"the purchase and ownership of a Terra Nova tent is a long term investment, the return for which is measured by the use and reliable performance enjoyed over a long period of time".

All Terra Nova tents and bivouac equipment are made in our factory on the edge of the Peak National Park in Derbyshire, England, from where we also provide the following:

Experienced Advice

All our Customer Services staff have considerable experience of Terra Nova products in use. If you require help in choosing the most suitable product for your specific needs or would like any further information, please call us on 01773 833300 or fax 01773 831088.

Comprehensive Lifetime Tent Guarantee

Terra Nova Equipment guarantees all its tents to the original owner for their lifetime against defects in workmanship and materials. If a tent fails due to a defect in workmanship or materials, even after extended use, Terra Nova Equipment will repair the tent without charge or replace it, at their discretion. This guarantee is in addition to your statutory rights which remain unaffected.

We endeavour to complete the process promptly and return the tent post paid, within 15 working days of receipt.

Product Repairs

Our products are used in some of the harshest places and severest weather conditions on earth. It is not surprising that occasionally repairs and refurbishments are required. Our factory based service is efficient and affordable and because we know the frustration of absent gear, we try and complete the work within 15 working days from go-ahead.

We quote and agree the price with the customer prior to undertaking the work. Credit Card payments are accepted to speed the process.

Replacement Parts

Terra Nova maintains a comprehensive stock of all parts for both current and some discontinued products. Retailers maintain limited stock of some items. In case of difficulty locating items contact us direct.

Terra Nova Stockists

Terra Nova tents and bivouac equipment are available from specialist outdoor retailers throughout the world. If you have difficulty locating any of our products, call us for details of your nearest stockist

Worldwide Agents & Distributors

AUSTRIA Outdoor - Sport
Koch Ges.m.b.H
Bernhard-Höfel-Straße 14
A-6020 Innsbruck
Tel: +43 512 34 78 57

DENMARK Ski and Toj,
Rosengarden 1
DK - 1174 Kobenhavn K
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Annankatu 15
00120 Helsinki
Tel: +358 0680 2996

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St Genest Malifaux
Tel: +33 4 77 51 21 16

GERMANY Mountaintools
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Tel: +49 7655 457

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Tel: +852 2384 8190

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Tel: +46 31 711 8321

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Hsing - 1 Road Peitou
Taipei 112
Tel: +886 2872 9088

USA & CANADA Climb High,
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Shelburne
Vermont 05482
Tel: +1 802 985 5056

For information on retail outlets in other countries, please call us.

	TENT SPECIFICATIONS						
	Model	Usage	Sleeps	Kg	Packed size (cm)	Interior (cm) L x W x H	
LIGHTWEIGHT	Solar	3 SEASON Backpacking, Cycle Touring, Mountain Marathons	1-2	1.85	13 x 44	225 x 92 x 105	T
	Solar 2	4 SEASON BACKPACKING Lightweight backpacking, Cycle Touring	2	2.4	14 x 56	216 x 125 x 98	T
	Ultra Quasar	4 SEASON MOUNTAIN Mountain backpacking	2	3.6	18 x 56	220 x 132 x 104	
	Ultra Hyperspace	4 SEASON MOUNTAIN Mountain backpacking, Base Camp	3	4.4	18 x 74	206 x 183 x 122	a
	Voyager	4 SEASON BACKPACKING Lightweight backpacking, Cycle Touring	2	2.8	14 x 56	206 x 120 x 100 Tapers to 87	
ENDURANCE	Trisar Convertible	4 SEASON BACKPACKING 3 pole Lightweight backpacking, 4 pole Mountain backpacking	2	3.1 3.3	16 x 56	210 x 129 x 110 Tapers to 110	
	Quasar	4 SEASON MOUNTAIN Mountain backpacking, Mountaineering expeditions	2	4.1	18 x 56	220 x 132 x 104	
	Super Quasar	4 SEASON MOUNTAIN Mountaineering, expeditions	2-3	4.4	20 x 60	217 x 149 x 110	
	Hyperspace	4 SEASON MOUNTAIN Mountaineering, Base Camp, Group expeditions	3	5.0	18 x 74	206 x 183 x 122	a
	Terra Firma	4 SEASON MOUNTAIN Mountaineering, Base Camp, Group expeditions	4	7.3	22 x 74	218 x 200 x 147	
	Gemini	HIGH ALTITUDE	2	2.9	16 x 56	200 x 117 x 99	
HIGH ALTITUDE							

	Porch (cm) L x W	Poles	Pegs	Guy Points	Materials
105	204 x 62 Tapers to 167	1	15	5	Watershed Flysheet Lightweight Ripstop Nylon Inner Waterbloc Coated Nylon Groundsheet
x 98	205 x 80 Tapers to 105	2	15	5	Watershed Flysheet Lightweight Ripstop Nylon Inner Waterbloc Coated Nylon Groundsheet
104	67 x 154 Tapers to 64	4	18	6	Watershed Flysheet Ripstop Nylon Inner Waterbloc Coated Nylon Groundsheet
122	55 x 172 and 85 x 172 Tapers to 85	4 + 1	18	6	Watershed Flysheet Ripstop Nylon Inner Waterbloc Coated Nylon Groundsheet
100 87	81 x 125 Tapers to 58	3	11	2	Watershed 2 Flysheet Ripstop Nylon Inner Waterbloc Coated Nylon Groundsheet
110 110	90 x 135 Tapers to 98	3 + 1	14	5	Watershed 2 Flysheet Ripstop Nylon Inner Waterbloc Coated Nylon Groundsheet
104	67 x 154 Tapers to 64	4	18	6	Watershed 2 Flysheet Ripstop Nylon Inner Waterbloc Coated Nylon Groundsheet
110	78 x 142 Tapers to 80	4	18	6	Watershed 2 Flysheet Ripstop Nylon Inner Waterbloc Coated Nylon Groundsheet
122	55 x 172 and 85 x 172 Tapers to 85	4 + 1	18	6	Watershed 2 Flysheet Ripstop Nylon Inner Waterbloc Coated Nylon Groundsheet
147	125 x 215 Tapers to 75	4 + 2	22	10	Watershed 2 Flysheet Ripstop Nylon Inner Waterbloc Coated Nylon Groundsheet
x 99	65 x 117 Tapers to 50	3	10	5	Gore-Tex Shell Waterbloc Coated Nylon Groundsheet

Poles:

All our poles are shockcorded and precision engineered from Easton 7075 - E9 Aluminium Alloy.

Pegs:

All our pegs are made from 7001-T6 Aluminium Alloy.

Inclusions:

Tents are supplied complete with Tent Bag, Pole Bag, Peg Bag, Tent Instructions, Lifetime Guarantee, Spare Fabric Patches and Pole Repair Tube.

Factory fitted Snow Valances

When long periods of exposure to extreme winter conditions are expected, consider adding a snow valance to your tent. These can be fitted to certain models at our factory.

In such conditions, "double poling" will add extra strength. Where possible try to pitch the tent where some natural shelter is offered, or build a snow wall for protection.

The Quasar is also available as the Quasar ETC with an extended Flysheet and Porch Pole.

Functional Weight

Figures quoted are based on the total weight of the items usually carried for use - flysheet and inner tent, poles, guylines, pegs and stuff sacs.

We believe this to be the best standard for comparison of alternative weights. Evaluate weight factors in relation to the use and performance you require - remember, muscle weighs more than fat!

This catalogue refers to the following registered trademarks:

Gore-Tex - W.L. Gore and Associates.
Easton - Easton Aluminium Inc.
Watershed, Watershed 2 and Waterbloc the Terra Nova Equipment Logo style - Terra Nova Equipment Limited.

We reserve the right to alter colours or specifications without notice. All information in this catalogue was correct at time of going to press.



Photographer: Rob Collister

TERRA



NOVA
EQUIPMENT

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