



ATACAMA CROSSING (CHILE) 2017 EQUIPMENT LIST



MANDATORY EQUIPMENT LIST INDEX






**** THIS INDEX IS FOR REFERENCE ONLY. YOU MUST READ THROUGH THE FULL EQUIPMENT LIST PROVIDED ON THE FOLLOWING PAGES FOR THE SPECIFIC REQUIREMENTS OF EACH MANDATORY ITEM. FAILURE TO HAVE ANY MANDATORY ITEM WILL RESULT IN A PENALTY OR NOT BEING ALLOWED TO START THE RACE.**










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MANDATORY EQUIPMENT








YOUR EQUIPMENT WILL BE REVIEWED AT COMPETITOR CHECK-IN AT THE HOST HOTEL TO ENSURE THAT YOU HAVE ALL OF THE MANDATORY ITEMS. FAILURE TO HAVE AN ITEM WILL RESULT IN A PENALTY OR NOT BEING ALLOWED TO START THE RACE.








*Note: "Most Popular" items are available at [RacingThePlanet](#).
Use the "Compare Products" feature to see which items suit you best.*

MANDATORY EQUIPMENT			
Item	Comments	Qty.	
1) BACKPACK / RUCKSACK 	Capable of carrying all of the Mandatory and Optional Equipment. A 25-30L backpack is optimal. Note: There is no one backpack model that works for everyone. <i>Most Popular:</i> Inov-8 Race Elite 24L , OMM Classic Marathon 25L & 32L , Osprey Talon 33 , WAA UltraBag 20+5L , RaidLight Ultra Raid 30L , Ultimate Direction 35L	1	
2) WATERPROOF BAG (35L) 	The waterproof bag must be a minimum of 35 liters in size. There is a chance of rain, and it is vital to keep the contents of your backpack (in particular, your sleeping bag and camp clothes) dry. Using a combination of smaller bags does <i>not</i> fulfil this requirement. <i>Backpack covers are NOT allowed.</i> <i>Most Popular:</i> Sea-to-Summit Ultra-Sil Dry Sack 35L , Sea-to-Summit Ultra-Sil Nano Dry Sack 35L	1 (35L)	
3) SLEEPING BAG (5°C/41°F) 	The minimum requirement combination of sleeping bag plus bag liner is 5°C/41°F . However we recommend that you have a sleeping bag to 0°C/32°F . Note: See the optional equipment list below for details on Bag Liners which can add up to 6°C/10°F to the rating of your sleeping bag. Sleeping Pads can also provide additional warmth and comfort – this is highly recommended. <i>Most Popular:</i> Sea-to-Summit Spark Spiii , Marmot Plasma 40 (4C) , Marmot Plasma 30 (-1C) , Western Mountaineering Ultralite (-7C) , Yeti VIB 250 (0C)	1 (5C / 41F)	
4) HEADLAMP & BACK-UP LIGHT 	Competitors are required to carry two light sources – one must be a headlamp; the second can be a headlamp or handheld torch. Both lights must be strong enough to use when on the course at night on uneven terrain, we recommend 150 lumens or higher. <i>Most Popular:</i> Silva Trail Speed Plus , Petzl Nao , Black Diamond Storm , Petzl Actik	2	
5) RED FLASHING LIGHT 	The red flashing light is required <i>in addition</i> to your headlamp and back-up light. This is to be attached to the rear of your backpack and switched on when you are on the course in the dark. <i>Most Popular:</i> The Rough Country® Flashing Safety Light	1	
6) KNIFE / MULTI-TOOL	A small knife / multi-tool has multiple uses during the event. Scissors does <i>not</i> fulfill this requirement. <i>Most Popular:</i> Leatherman Micra Mini-Tools (51g),	1	

MANDATORY EQUIPMENT			
	Item	Comments	Qty.
		Leatherman Hail + Style PS Tools (90g), Gerber Steady Tool (165g)	
7)	<u>WHISTLE</u> 	To attract attention in case of an emergency. Note that many backpacks include a whistle on the buckle – this is <i>not</i> sufficient. You must have an emergency whistle. <i>Most Popular:</i> Jetscream Safety Whistle	1
8)	<u>MIRROR</u> 	To attract attention in case of emergency. Reflect the sun off the mirror to draw attention to your location. <i>Most Popular:</i> Coghlan's Featherweight Mirror	1
9)	<u>SURVIVAL BIVVY BAG</u> 	Must be a closed bivvy bag (not a blanket) made of reflective material. We recommend a thick bag that you can repack easily as you may want to use it over your sleeping bag in cold or wet weather conditions. <i>Most Popular:</i> Adventure Heatsheets Emergency Bivvy	1
10)	<u>COMPASS</u> 	Any model is adequate; however, a compass as a part of a watch is <i>not</i> sufficient. Note: There is no navigation in the event. The compass is an emergency gear item. <i>Most Popular:</i> Silva Thermometer Compass	1
11)	<u>EATING UTENSIL</u> 	Ideally bring more than one in case you lose one. <i>Most Popular:</i> Expedition Foods Unbreakable Spoon , Light My Fire Spork , Sea-to-Summit AlphaLight Spork	1
12)	<u>SUNSCREEN</u> (60 ml/2 fl oz) 	A minimum of 60 ml/2 fl oz is required. Choose a brand with high SPF that is waterproof, sweat-proof and non-greasy. It is recommended to bring the required amount in separate containers in case one is difficult to find. <i>Most Popular:</i> Dermatone Sunscreen Lotion (30ml) or Cancer Council Australia Watersport Sunscreen (75ml) – you will need two tubes to meet the requirement	60ml
13)	<u>LIP SUNSCREFN</u> 	To protect lips from the sun <i>Most Popular:</i> Dermatone Lip 'n Face Protection with Z Cote , Dermatone medicated lip balm	1
14)	<u>MEDICATION</u> 	Bring an adequate 7-day supply (at least 12 mild pain relief pills) so that you are not dependent on medication from the event medical team. Important Note: You should seek advice from your doctor about any medication that you plan to take during the race, including any form of painkillers. If you take painkillers, Tylenol / Paracetamol / Acetaminophen are preferred over anti-inflammatory medications such as Ibuprofen / Neurofen / Advil / Motrin / Naprosyn and others. It is NOT advised to take anti-inflammatory medication on the course. Please	7-Day Supply

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Item	Item	Comments	Qty.
		read the expert article called Painkillers Used during Ultramarathons for more details.	
15)	<p>BLISTER KIT</p> 	<p>The following list is a minimum requirement. You may need more supplies based on your experience and prior history of foot blisters:</p> <ul style="list-style-type: none"> • 10 x alcohol wipes • 2 x hypodermic needles or safety pins • 1 x roll of paper tape (i.e. Micropore) • 1 x roll of elastic tape (i.e. Elastikon) • 5 x Spenco 2nd Skin or Compeed pads <p>Note 1: Lubricant such as Bodyglide is also highly recommended. Foot powder is recommended for feet that sweat a lot.</p> <p>Note 2: You should try to anticipate the amount of supplies you will need for 7 days. If you do not bring enough supplies, you could be at risk of developing more severe blisters that could jeopardize your ability to finish the race.</p> <p><i>Most Popular:</i> The Rough Country® Blister Kit (includes all blister kit items PLUS practical instruction sheet)</p>	1
16)	<p>COMPRESSION BANDAGE</p> 	<p>The minimum size requirement is 7.5 cm/3 in wide x 4.5 m /14 ft long (6 cm/2.4 inches in diameter). The compression bandage can be used for strapping an ankle / knee, slinging an arm injury, bandaging a lesion or head wound to prevent bleeding, etc.</p> <p><i>Most Popular:</i> Smith & Nephew Cotton Crepe Bandage</p>	1
17)	<p>SAFETY PINS</p> 	<p>A minimum of 10 safety pins are required for attaching your bib number and event patch and for multiple uses during the event. Heavy duty, large pins work best.</p> <p><i>Most Popular:</i> The Rough Country® Safety Pins</p>	10
18)	<p>ALCOHOL GEL (60 ml/2 fl oz)</p> 	<p>A minimum of 60 ml/2 fl oz is required. Alcohol wipes <i>cannot</i> replace alcohol gel, but you may choose to carry both.</p> <p><i>Most Popular:</i> Purell Hand Sanitizer</p>	60ml / 2 fl oz
19)	<p>TOILET TISSUE / WET WIPES</p> 	<p>No tissues or paper will be provided by Event Staff for toilet use. It is recommended to also bring wet wipes (5-10 wipes per day are recommended).</p> <p><i>Most Popular:</i> The Rough Country Lite Hand Towel, The Rough Country Lite Towels</p>	7-Day Supply
20)	<p>RUNNING SHOES Men's Trail Running Shoes Women's Trail Running Shoes</p>	<p>Competitors should wear trail or running shoes. Consider buying your shoes 1 to 2 sizes larger than you would normally wear to account for swelling and tape for blisters.</p>	1

MANDATORY EQUIPMENT			
	Item	Comments	Qty.
		<i>Most Popular Brands:</i> Hoka One One , Asics , Inov-8 , Salomon , Altra , Brooks	
21)	SOCKS 	6-7 pairs are recommended to allow a fresh pair for each day but only 2 pairs are compulsory. Many competitors wear two layers. <i>Most Popular Brands:</i> Drymax , Injinji , SmartWool , Thyo ,	2
22)	TIGHTS / SHORTS Men's Tights / Shorts Women's Tights / Shorts 	Two pairs of shorts / tights / pants are required. One pair must cover your full leg as it can get very cold. <i>Most Popular Brands -Tights:</i> 2XU , CW-X (most popular), Skins , X-Bionic <i>Most Popular Brands -Shorts:</i> 2XU , Salomon , X-Bionic , CW-X (most popular), Skins	2
23)	TECHNICAL RUNNING SHIRT Men's Running Shirts Women's Running Shirts 	One shirt is required, but we recommend two shirts, including one that is long-sleeved for sun protection and / or warmth in cold temperatures. Quick dry materials in light colors are recommended. <i>Most Popular Brands:</i> RaidLight , Salomon , X-Bionic , Outdoor Research , Mountain Hardwear , Montane zip shirt	1
24)	WARM LONG-SLEEVE TOP Men's Fleece Jackets / Down Jackets Women's Fleece Jackets / Down Jackets 	Temperatures in the desert can get very cold. This must be a warm top (preferably fleece or down jacket). An alternative is a thick, long-sleeve capilene top. <i>Most Popular:</i> Montane Power Up Pull On Half Zip Fleece , Montane Featherlight Mico Jacket , Arc'teryx Fortrez Hoody , Montane Hi-Q Luxe Jacket , 66 North North Vatnajokull 800 Jacket - Men's and Women's , Mountain Hardwear MicroChill Zip T - Women's , Yeti Desire Lightweight Down Jacket – Women's ,	1
25)	WATERPROOF JACKET Men's Waterproof Jackets Women's Waterproof Jackets 	The jacket must be fully waterproof (preferably also windproof) to keep you dry and warm. <i>Most Popular:</i> <i>Most Popular:</i> Montane Minimus Smock Jacket , Montane Minimus 777 , Mountain Hardwear Axial Jacket - Men's , Mountain Hardwear Celesta Jacket - Women's , Marmot PreCip – Women's	1
26)	RAIN PONCHO - must be clear 	Required for additional warmth and wet protection. A rain poncho is lightweight and easy to put on/take off when the weather changes. Must be clear / transparent so you can see your bib through it. <i>Most Popular:</i> Coghlan's Emergency Poncho	1
27)	CAP WITH NECK COVER	It is required that you wear a cap with a neck cover (such as legionnaire design) or have a cap with a Buff®	1

MANDATORY EQUIPMENT			
	Item	Comments	Qty.
		to cover both your head and neck. <i>Most Popular:</i> RaidLight Sahara Cap , Sunday Afternoons Sun Guide Cap	
28)	<u>WARM HAT</u> 	For warmth in the cold. A Buff® <i>does not</i> fulfill this requirement. <i>Most Popular:</i> Sealskinz Beanie Hat , Odlo Beanie , Icebreaker 200 Pocket Hat	1
29)	<u>GLOVES</u> 	For warmth in the cold. Full finger gloves are required. <i>Most Popular:</i> Marmot PowerStretch Gloves , Montane PowerStretch and women's	2
30)	<u>SUNGLASSES</u> 	Any pair of UV protection sunglasses. Only 1 pair is mandatory but it is recommended to take 2 pairs. <i>Most Popular:</i> Julbo Trail Sunglasses	1
31)	<u>NATIONALITY PATCHES</u> 	You must wear nationality patches on both sleeves of all tops (including jackets) throughout the event. These are in addition to the 4 Deserts patches which are provided by the 4 Deserts. Nationality flags can be silkscreened onto all tops instead of using patches – see the <i>Patch Placement Instructions</i> in the Competitor Area of the website for more details. <i>Most Popular:</i> The Rough Country® Nationality Patches	All Tops
32)	<u>4 DESERTS PATCHES</u> 	We will send you these patches approximately 6 weeks before the event. You do <i>not</i> need to purchase these. The 4 Deserts logo can be silkscreened onto all tops instead of using patches – see the <i>Patch Placement Instructions</i> in the Competitor Area of the website.	All Tops
33)	<u>HYDRATION SYSTEM</u> 	You must be able to carry containers that can hold 2.5 liters of water at all times. The main choices are: <ul style="list-style-type: none"> Bottles: These allow for more flexibility – they can be attached to the shoulder straps of your backpack, put in a front pack, kept in the backpack with a SmarTube or carried by hand. Hydration bladders: A popular choice, but sometimes difficult to know how much fluid you have drunk; can also be difficult to fill quickly. <i>Most Popular:</i> The Rough Country Bottles (2 options of straws) , The Rough Country® Bottle Holders , Platypus SoftBottle , Salomon Soft Reservoir	1
34)	<u>ELECTROLYTES / SALT TABLETS</u>	Maintaining your body's electrolyte balance is critical for a safe race. It is strongly recommended to bring a	7-Day Supply

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Item	Comments	Qty.	
	<p>mixture of electrolyte tablets AND electrolyte drink powders. You must bring a minimum of:</p> <ul style="list-style-type: none"> Enough powder to make a minimum of 30 liters of drink OR Enough salt tablets / Endurolytes for 30 hours on the course (usually minimum is 1.5 tablets per hour=45 tablets) OR A combination of both, e.g. powder for 15 liters of water and tablets for 15 hours on the course. <p>If you expect to spend more than 30 hours on the course then you should increase this accordingly. It is vital that you test your electrolyte plan during your training and follow the amounts recommended on the packets.</p> <p>Most Popular Brands: Nuun</p>		
35)	<p><u>7-DAY FOOD SUPPLY</u></p> <p>You are responsible for your own food for the entire event. You need a meal for Camp 1 the night before the race starts PLUS a minimum of 2,000 calories/day during the race (7 days).</p> <ul style="list-style-type: none"> Pre-event: One (1) meal for Saturday evening During the race: Minimum of 14,000 calories 	<p>Min. 14,000 Cal</p>	
<p><u>Dried Meals</u></p>	<p>We recommend using dried meals as your main food source. Hot water will be available at all campsites.</p> <p>Most Popular: Expedition Foods (freeze dried, high calorie meals)</p> <p>NOTE: Expedition Foods have put together a 4 Deserts Ration Pack which provides the minimum calories required - 14,000, including all main meals plus energy bars/gels and electrolytes.</p>		
<p><u>Energy Bars / Gels</u></p>	<p>To avoid an upset stomach, be sure to test your bars and gels during training.</p> <p>Most Popular: Clif, GU, Hammer Bars & Gels</p>		
<p><u>Nutrition Supplements</u></p>	<p>There are a lot of choices. The ones listed are recommended by past 4 Deserts competitors.</p> <p>Most Popular: Perpetuem by Hammer, Sustained Energy by Hammer, Hammer Recoverite</p>		
<p><u>Drink Mixes</u></p>	<p>Bring your favourite drink mixes for mornings and evenings around camp.</p> <p>Most Popular: Coffee, Tea, Hot Chocolate</p>		
<p><u>Snacks</u></p>	<p>An important part of your food supply. We recommended bringing a good variety of snacks.</p> <p>Most Popular: Beef Jerky, Instant Noodles, Dried Fruit, Potato Chips, Parmesan Cheese, Instant Oatmeal</p>		



OPTIONAL EQUIPMENT

(NOT MANDATORY, BUT SUGGESTED)

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OPTIONAL EQUIPMENT			
Item	Comments	Qty.	
1) SLEEPING PAD	<p>Select a small size to save weight or a regular size for added comfort and warmth. Self-inflating pads are light, but can be difficult to eliminate air for packing and can puncture. Tents provided in the event do not have any ground padding. Highly recommended for insulation against the cold ground at night.</p> <p><i>Most Popular:</i> Therm-a-Rest Z Lite, Therm-a-Rest NeoAir Xlite, Sea-To-Summit UltraLight</p>	1	
2) SLEEPING BAG LINER	<p>Sleeping bag liners are a great way to add additional warmth to lightweight sleeping bags. Most bag liners add approximately 6°C/10°F. This can be used towards your sleeping bag rating.</p> <p><i>Most Popular:</i> Sea-To-Summit Reactor Thermolite Liner</p>	1	
3) GAITERS	<p>This is a personal choice - some wear gaiters, others do not. Ankle gaiters keep debris out of your shoes. Highly recommended for sand in the Atacama Crossing</p> <p><i>Most Popular:</i> The Rough Country Trail Running Gaiters, The Rough Country Silkworm Gaiters, Salomon S Lab Trail Gaiters, RaidLight Desert Gaiters</p>	1	
4) SPORTS BRA	<p>Women's comfort</p> <p><i>Most Popular:</i> Zensah Seamless Running Bra, Brooks Moving Comfort Vixen A/B, CWX</p>	3	
5) SCARF / HEADGEAR	<p>A Buff® is ideal as it can be used for multiple purposes - scarf, headgear, sweatband, etc. Highly recommended.</p> <p><i>Most Popular:</i> 4 Deserts Buff® Collection</p>	2	
6) COMPRESSION SOCKS	<p>Socks to help with your recovery process at the end of each day</p> <p><i>Most Popular Brands:</i> 2XU, Compressport, CW-X, CEP</p>	1	
7) FLIP FLOPS / SLIPPERS	<p>For walking around camp and post-race comfort – choose the lightest model you can find</p> <p><i>Most Popular Brands:</i> Keen, Sole, Crocs</p>	1	
8) TREKKING POLES	<p>Useful if you intend to walk the majority of the course. You must train with poles if you plan to use them.</p> <p><i>Most Popular Brands:</i> Black Diamond, Komperdell, Leki</p>	1	
9) CHEST / HIP PACKS	<p>Chest and hip packs can increase capacity without additional load on your back</p>	1	



OPTIONAL EQUIPMENT			
	Item	Comments	Qty.
		<i>Most Popular Brands:</i> Inov-8 , OMM , RaidLight	
10)	WATERPROOF / SAND-PROOF BAGS, COMPRESSION BAGS, ZIP-LOCK BAGS	Pack your food and small items in zip-lock bags. For valuable items (i.e., cameras & passports), you may consider waterproof / sandproof bags. <i>Most Popular Brands:</i> Aloksak , Outdoor Research , Sea-to-Summit	10
11)	EATING TIN / CUP	Useful for cooking at the camp fire and eating. Many people cut the top off plastic bottles provided at the event to use as cups. <i>Most Popular:</i> MSR Titanium Cup , Sea-To-Summit X-Mug & Bowls , Klean Canteen Stainless Steel Mugs ,	1
12)	TOWEL	For cleaning off at camp <i>Most Popular:</i> The Rough Country Lite Hand Towel , Sea-To-Summit Pocket Towel	1
13)	TOOTHBRUSH & TOOTHPASTE	A small-sized travel toothbrush is recommended <i>Most Popular:</i> Toob Brush	1
14)	INSECT REPELLENT	You may come across flies and mosquitos <i>Most Popular Brands:</i> Para'Kito , Sawyer	1
15)	WRISTWATCH / INSTRUMENT	A watch alarm and timer can be useful. Speed and distance monitor (pedometer), barometer and heart rate monitors can also provide interesting feedback. <i>Most Popular Brands:</i> Garmin , Polar	1
16)	GPS	Choose a model that uses changeable batteries (<i>not</i> rechargeable batteries) as competitors will not have access to power for re-charging. Note: The course is marked every 25 meters and GPS coordinates are not provided. A GPS is most useful for tracking distance. <i>Most Popular Brand:</i> Garmin	1
17)	CAMERA	If your camera is not waterproof, keep it in double zip lock bags. Note: A charging device is recommended as competitors will not have access to power for recharging.	1
18)	iPod & Headphones	Keep music players in waterproof / sand proof bags. Note: A charging device is recommended as competitors will not have access to power for recharging. <i>Most Popular Brand:</i> Yurbuds	1
19)	PORTABLE CHARGER	A way to charge your powered devices. <i>Solar panel chargers must not cover your bib fixed to your backpack.</i> <i>Most Popular Brand:</i> Powertraveller	1