

UPRACKS

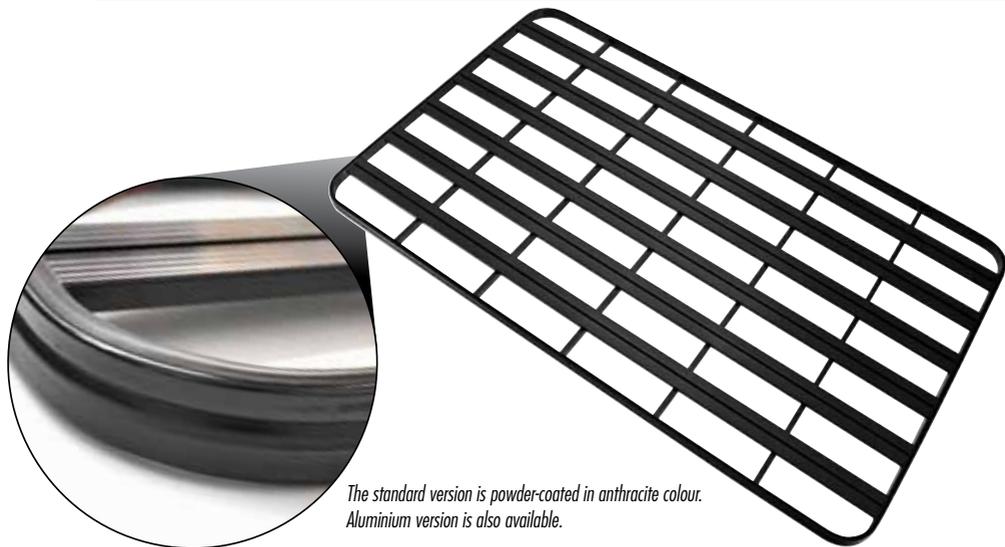
TRAVEL ROOF RACK SOLUTIONS

© 4 Technique 2012



www.4technique.it





*The standard version is powder-coated in anthracite colour.
Aluminium version is also available.*

UPRACKS roof racks have been designed to meet any roof load requirement. The sizes mentioned here below allow any type of application on all 4x4, SUV and Crossover vehicles. In fact, the 8 sizes available, configured in different lengths and widths, can be readily combined to any vehicle roof. Just check the effective surface area of your vehicle roof, and select the correct size of our UPRACKS roof rack to be fitted. UPRACKS roof racks are made of 100% aluminium alloy, which results in reduced weight at the vehicle uppermost point: the roof. It is essential to remember that when you drive off-road (but not only off-road!) the materials, equipment, and accessories carried should be well arranged both inside and outside the vehicle. The high weight materials should be arranged with their load centre as low as possible, while roof load should be reduced to the maximum extent to avoid dangerous swaying movements. For example, an iron or steel roof rack is unfavourable due to its weight per se, which limits load capacity. Because UPRACKS roof racks have a very reduced weight they offer better load capacity. The maintenance manual provided by vehicle manufacturers usually provides specific information on the maximum load permitted and it is important to comply with such indications.

UPRACKS has been able to build roof racks which are as low as 14-34 Kg in weight according to roof rack specific sizes. Following is an example:

If a vehicle manufacturer specifies a 100 Kg maximum load capacity, the effective carrying capacity is the net weight derived by deducting the tare weight. Therefore, because an aluminium roof rack weighs only 25 kg, you can carry 75 kg materials on the roof; on the contrary an iron or steel roof rack weighs at least three times more, i.e. 75 kg, and would allow only 25 kg load to be carried on the roof!

UPRACKS roof racks can be fitted to the roof by special leg OK kits which are available for vehicles with and without gutter rails. In other words, we can offer all solutions for a proper fitting. Except for those vehicles having fixed attachment points on the roof (in which case we provide a proper customized kit), all the other vehicles can be equipped with our leg OK kits which are available in three different heights to be perfectly combined to all vehicle roofs. UPRACKS roof racks can be attached to the roof with solutions of 3-7 legs per each side; for this reason, leg kits are provided as a pair, thus offering the maximum freedom of choice.

Part numbers, sizes and finishings

63-1410 1432 x 1097 black aluminium	63-1410P polished aluminium
63-1412 1432 x 1287 black aluminium	63-1412P polished aluminium
63-1710 1786 x 1097 black aluminium	63-1710P polished aluminium
63-1712 1786 x 1287 black aluminium	63-1712P polished aluminium
63-2112 2139 x 1287 black aluminium	63-2112P polished aluminium
63-2114 2139 x 1477 black aluminium	63-2114P polished aluminium
63-2414 2493 x 1477 black aluminium	63-2414P polished aluminium
63-2814 2846 x 1477 black aluminium	63-2814P polished aluminium

The profiles which make up the frame, lower support and usable platform area of UPRACKS roof racks have a special slot which allows attachment for any materials and accessories by a special "slide-in-all" system; a special M8 rectangular nut slides into this slot, thus enabling all the accessories to be securely bolted.

UPRACKS roof racks, leg kits and accessories are all cathaphoresis treated and then powder-coated in black colour; all nuts and bolts provided are fully made of stainless steel. Upon request, we can provide a non-treated roof rack in polished natural aluminium.



PROFILES FOR UPPER FRAME - PARTS AND ACCESSORIES

To customize your UPRACKS roof rack, you can fit a full or partial upper frame.

The list here below shows several possibilities to achieve the most suitable configuration to your needs.

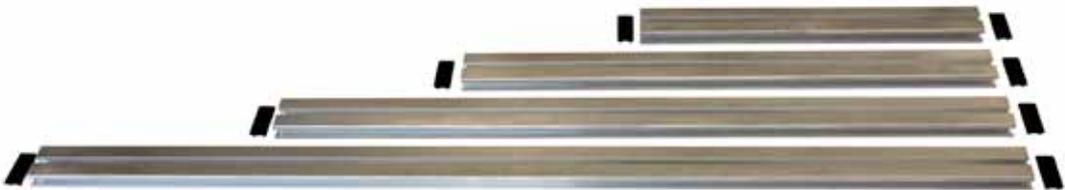
The exploded-view drawing shows components in detail to provide a better understanding and make sure you purchase the correct components for your configuration

Component table

63-ASR100	PROFILE WITH 3 GROOVES - 1.00 m - pair, black	63-ASR100P	PROFILE WITH 3 GROOVES - 1.00 m - pair, polished
63-ASR120	PROFILE WITH 3 GROOVES - 1.20 m - pair, black	63-ASR120P	PROFILE WITH 3 GROOVES - 1.20 m - pair, polished
63-ASR150	PROFILE WITH 3 GROOVES - 1.50 m - pair, black	63-ASR150P	PROFILE WITH 3 GROOVES - 1.50 m - pair, polished
63-ASR200	PROFILE WITH 3 GROOVES - 2.00 m - pair, black	63-ASR200P	PROFILE WITH 3 GROOVES - 2.00 m - pair, polished
63-ASRQ	FRAME CURVE - pair, black	63-ASRQP	FRAME CURVE - pair, polished
63-ASR75	FRONT PROFILE WITH 3 GROOVES - 75 cm - suitable for 1477 cm width, black	63-ASR75P	FRONT PROFILE WITH 3 GROOVES - 75 cm - suitable for 1477 cm width, polished
63-ASR56	FRONT PROFILE WITH 3 GROOVES - 56 cm - suitable for 1287 cm width, black	63-ASR56P	FRONT PROFILE WITH 3 GROOVES - 56 cm - suitable for 1287 cm width, polished
63-ASR37	FRONT PROFILE WITH 3 GROOVES - 37 cm - suitable for 1097 cm width, black	63-ASR37P	FRONT PROFILE WITH 3 GROOVES - 37 cm - suitable for 1097 cm width, polished
63-ASRFIT	FRAME SUPPORT / CONNECTOR - pair, stainless steel	63-ASRFIT	FRAME SUPPORT / CONNECTOR - pair, stainless steel



Front profiles and frame curves are available in black colour powder coating or aluminium (see above).



Profiles are available in black colour powder coating or aluminium (see above).

Notes:

- All the components can be ordered in natural aluminium colour or black coated.
- Side profiles of length 100/120/150/200 cm are sold as a pair and the package contains:
 - 2x profiles of the length selected
 - 4x black nylon end caps
 - 6x stainless steel supports /connectors (63-ASRFIT)
 - 24x rectangular nuts with bolts as required for attachment to the roof rack
- Front (or back) profiles are cut to measure in order to match the three different widths available for UPRACKS roof racks and to be connected to curved profiles. They are sold as single pieces and the package contains:
 - 3x stainless steel supports /connectors (63-ASRFIT)
 - 12x rectangular nuts with bolts as required for attachment to the roof rack
- Curved profiles (63-ASRQ), which serve as angle pieces, are standard in section; their final width will be determined by the front profile selected to allow combination with your UPRACKS roof rack. They are sold as a pair and the package contains:
 - 2x curved profiles
 - 4x black nylon end caps
 - 4x stainless steel supports /connectors (63-ASRFIT)
 - 12x rectangular nuts with bolts as required for attachment to the roof rack



63-A001 LIFTING EYE

Thanks to the standard size profiles of our UPRACKS roof racks, the lifting eyes can be slid into all the channels and can be tightened by the special rectangular bolt 63-A002.



63-A002 ANCHOR PLATE/RECTANGULAR NUT

By a simple sliding mechanism ("slide-in-all" system) this special rectangular nut (pitch M8) allows locking any of our accessories; thanks to its shape it can be easily placed into the specific rails and its special design provides a larger resting surface, thus increasing its tearing resistance.



63-A003 PORTABLE TELESCOPIC LADDER

In our opinion, the best solution to climb onto the vehicle's roof is to use a ladder that rests on the ground.

This is to ensure a better safety level when you need to climb onto the roof and to provide more flexibility to all the vehicles' owners, who need a ladder suitable for their specific vehicle height from the ground.

Once the telescopic ladder has been folded, it can be tied to the roof rack or stored in the luggage boot.

It weighs only 7 Kg and reaches 260 cm in height.

You may also use it at your house.



63-A004 WHEEL CARRIER

Simple and easy to use, it has been designed such that it doesn't need to be permanently attached to the roof. A special asymmetric "C" shaped plate holds the roof rack cross-bar.

Once the wheel has been positioned, the resin cone-shaped member centres the wheel rim hole and the throttle bolt fully tightens against the rod, thus creating a pull-clamping.

This system allows, first, safely positioning the wheel onto the roof rack and then anchor it in the most suitable position to your needs, by using this special clamping system. The metal material used for this accessory is stainless steel.



63-A005 ADJUSTABLE SINGLE JERRY CAN HOLDER

This jerry can holder allows positioning a single jerry can onto the roof rack. It can be fitted both longitudinally and transversely in order to facilitate and optimize weight distribution on the roof rack. The single jerry can holder kit can be combined to other jerry can holders by means of a connection member. In this way it is possible to have multiple jerry can holders which are perfectly interconnected and bolted to the roof-rack. The jerry can holder has specific holes to allow fitting an anti-theft padlock (not provided).



63-A006 UNIVERSAL RUBBER/LEVER CLAMP KIT

The kit consists of a pair of zinc-coated supports that can be fitted by the rectangular nut in any position by using the channels (slots) of our UPRACKS roof rack. A robust rubber strap assures proper attachment.



63-A007 LIFT JACK HOLDER

A simple and extremely resistant system for attaching Hi-Lift jack to UPRACKS roof rack in the safest and fastest way.

The kit consists of 3 supports especially designed to enable the operator to safely lean the lift jack; after this operation, he/she will have his/her hands free to anchor it to the roof rack.

In order to bear the lift jack weight (more than 12 Kg), the 3 single supports are equipped with 5 nuts and respective steel bolts to be attached to the frame of our UPRACKS roof rack. The lift jack is locked to the support by a knob pin.



63-A008 UNIVERSAL CLAMP KIT

The kit consists of a pair of plastic supports that can be fitted by the rectangular nut in any position by using all the channels (slots) of our UPRACKS roof rack. A robust rubber strap assures proper attachment.

Suitable for loads not exceeding 7 Kg.



63-A009 FAIRING

It has been designed to stop wind noise and reduce fuel consumption. This fairing can be fitted to UPRACK roof racks in just a few minutes by using 3 attachment points. It can be fitted at the front or rear of the vehicle and the flap can be upward or downward facing. 2 fairings can be fitted thus diffusing air both upward and downward.

The fairing is sold as a single piece in a package including nuts and bolts.



63-A010 LIGHT / AERIAL MOUNT BRACKET

The kit consists of a pair of supports that can be attached to any point of the perimeter frame of UPRACKS roof rack, either downward or upward. It can also be used as a universal support and as an aerial mount bracket. It can be fitted by 2 rectangular nuts and respective bolts (included in the kit).



63-A011 AWNING KIT / LONG SUPPORT

The kit consists of a pair of supports to be attached to the perimeter frame of UPRACKS roof rack.

It is a Heavy Duty support, because it must be attached by 5 rectangular nuts and bolts.

We called it "Awning Kit", but it is an excellent support to carry and attach any equipment. Maximum load capacity recommended: 15 Kg, to be distributed on the 2 supports.



63-A012 ALUMINIUM PLATE PAIR

Set of aluminium sand plates, in red colour coating.

Size 120 x 40 cm.

Weight: 11.5 Kg.



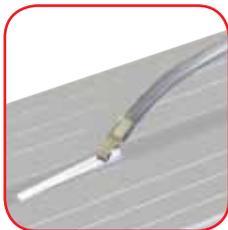
63-A013 RESIN PLATE PAIR

Set of resin sand plates, in grey colour coating.
Size 142 x 31.5 cm.
Weight: 7.8 Kg.



63-A014 PLATE HOLDER

It consists of a pair of supports to be attached to the roof rack frame by 5 rectangular nuts and respective bolts. Every support is provided with: 1 washer, 1 resin cone-shape member and 1 special key to tighten nuts. The special resin cone-shape member makes it adaptable to any hole from min 30 mm to max 120 mm. Key, nuts and attachment kit, all included in the package.



63-A015 MAGNET FOR ANCHOR PLATE/RECTANGULAR NUT

This simple micro-magnet allows easy removal of the rectangular nut from channels (slots) of UPRACKS roof rack.



63-A016 THIN RUBBER STRIP TO AVOID WIND NOISE *(sold by meter)*

Especially designed and manufactured for UPRACKS, this PVC strip is provided as three standard pieces of 160 cm length and is included in our UPRACKS roof rack package. Its special design helps avoiding possible noise. It allows covering any slot in the frame (on its top, bottom, inner and outer side) It can be simply fitted to the roof rack for a more attractive look. Black colour.



63-A017 ANTI-SLIP WIDE RUBBER STRIP *(sold by meter)*

Especially and exclusively designed and manufactured for UPRACKS, this pebble-like PVC strip is provided by meter and mainly serves to cover the upper slots in the roof rack in order to have a better grip on the usable upper part. It can be fitted to the outer side of the perimeter frame for a more attractive look. Black colour.



63-ASRFIT SUPPORT / CONNECTOR

The set consists of two "C" shaped supports with bolts and nuts as required for attachment to the roof rack. It is mainly used as a support and connection member for the roof rack upper frame but it can also be employed to lock the load onto the roof rack or support accessories.
Made of stainless steel.



63-A019 UPRACKS UTILITY/CAMP TABLE

Designed to bear more than 80 Kg weight, the table is fully made of aluminium having a honeycomb structure. The table top is made of a stainless steel foil which makes it easy to be cleaned. Once it is folded, the table is 3.4 cm thick. It weighs only 10 Kg. Size: 145x75.5x h 70 cm. The table mount kit (63-A018) is optional.

63-A018 UPRACKS TABLE MOUNT KIT (optional)

The set consists of two L-shaped supports to be attached to the lower part of the roof rack. In this way, once UPRACKS table has been folded, it can slide in these specific rails and be locked by two especially designed locking members.



63-A08787 ALUMINIUM ANGLE PIECE (PAIR)

Pair of melt aluminium angle pieces to provide a firm load stabilization; they can also be employed in overhanging position as a support. They can be used in any position and are provided with respective rectangular nuts and bolts. They are 8.7 cm (each side), and 8.7 cm thick.

63-A04387 ALUMINIUM ANGLE PIECE (PAIR)

They are 8.7 cm (each side), and 4.3 cm thick.

63-A04343 ALUMINIUM ANGLE PIECE (PAIR)

They are 4.3 cm (each side), and 4.3 cm thick.



63-AROL ROLLER

Roller to facilitate loading accessories onto the roof rack. Size: 680 mm.

Available in different lengths (upon request).



63-AC45 ALUMINIUM BOX

Exclusively designed for UPRACKS, this aluminium box has some important characteristics: metal sheet thickness: 1.2 mm; cover rubber gasket and inner seal which protects the box content from weathering agents; net capacity: 45 litres.

Size: 78.2x38.5 cm, height being only 19 cm to minimize aerodynamic impact.

Weight: 4.2 Kg.



ATTACHMENT KIT

UPRACKS
TRAVEL ROOF RACK SOLUTIONS



63-FK01 Leg kit pair height from 12 to 16 cm.

63-FK02 Leg kit pair height from 16 to 20 cm.

63-FK03 Leg kit pair height from 20 to 26 cm.

The package contains a pair of leg kits and is provided with all that is needed for permanent attachment of each single leg to the roof rack.

Every kit is equipped with:

- 2 complete legs as in the picture (the picture only shows one leg and its components)
- 6 rectangular nuts with respective steel bolts for attachment to the roof rack
- 1 magnet to remove rectangular nuts from their slots
- 1 steel attachment cover plate with rubber pads
- 1 Allen head bolt for attachment to the gutter rail by the steel cover attachment plate
- threaded plate and 2 bolts for leg assembly.



63-FKR "C" ADAPTER TO RHINO RACK LEGS - PAIR

The kit is provided as a pair and serves to attach the classic gutter mount legs of famous Rhino-Rack Heavy Duty version to any UPRACKS roof racks.

Rhino-Rack legs are in plastic material and your choice may be due to aesthetic reasons, reduced load needs or just because you already possess Rhino kit but you need to fit a different roof rack or to replace your existing simple load bars.

Kit 63-FKR is provided in a package with 2 adapters, 6 rectangular nuts, one magnet and steel nuts and bolts.

Note: this particular "C" adapter also enables you to attach Rhino-Rack Heavy Duty leg kit designed for each single vehicle having roof fixed anchor points and having no gutter rails to UPRACKS roof rack. Visit our website periodically to see pictures and specific applications.



63-FEST INNER EXTENSION FOR UPRACKS LEGS - PAIR

If you do not wish to fit the single leg on the single axle line of the crosspiece, you can use the specific designed optional adapter for attaching the leg inside the roof rack frame.

The two pictures illustrate fitting operations. Sold as a pair with respective nuts and bolts.



63-FKRAIL PLATE KIT TO BE FITTED BETWEEN CROSSBARS - PAIR (to be combined with 63-FKR if Rhino-Rack legs are used)

Adapter (2 pieces) which allows fitting and adapting UPRACKS roof rack to any vehicle by using any leg kits commercially available. We have especially designed this adapter to combine the specific leg kits manufactured by famous Rhino-Rack to our roof rack. In fact Rhino-Rack offers a great number of fitting kits for all those 4x4, SUV and Crossover vehicles having fixed attachment points on the roof and thus requiring specific applications. This kit consists of a connection bridge between crosspieces (see picture) and allows our UPRACKS roof rack to be easily adapted and connected to Rhino-Rack (or other) legs and hence to the roof. A further advantage provided by this system is that you can choose a wider or longer-size roof rack than the standard one and you can position it more forward or backward according to your needs. In fact, the adapter is attached by our rectangular bolts and can slide into the roof rack cross bar. Following are some impressive examples of our solution. Important: if Rhino-Rack legs are used you need to purchase the special adapter 63-FKR.

The package includes 2 adapters, 4 rectangular nuts and respective bolts, and magnet. The adapter pair serves for one leg pair.