

The RMS Quick-Release Oxygen Cylinder Carrier

(Part Number QR-OX-A)

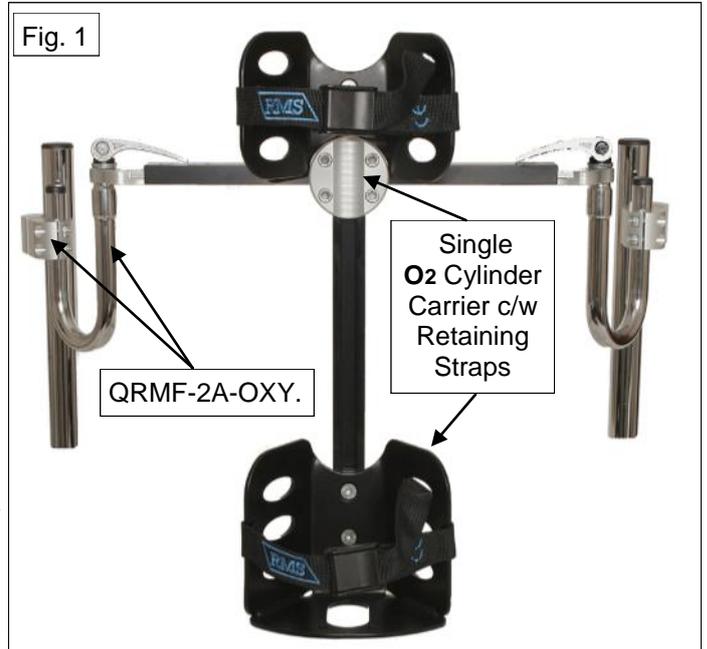
Suitable for carrying a single O₂ Cylinder with a Diameter of 95mm — 120mm and Height 300mm — 500mm
For use with NON Tilt-in-Space wheelchairs with Fixed Backrest.

Assembly Kit comprises of:-

- 1 x Quick-Release Oxygen Cylinder Carrier Frame
- 1 x Pair QRMF 2A-OXY Upper Mounting Brackets with Clamps.

IMPORTANT NOTES:

- The initial installation of this device should be carried out by a **suitably qualified person**.
- The RMS QR Oxygen Cylinder Carrier, when correctly fitted with RMS 2A-OXY Mounting Brackets and Clamps as listed above, is suitable for attachment to NON Tilt-in-Space wheelchairs, with Fixed Backrest frame tubes of between 19mm (¾") and 25mm (1") outside diameter.
- The device is intended to safely carry one O₂ Cylinder within the size ranges as above, during normal operational use, with the option of being able to remove either the cylinder on it's own, or complete with the Carrier, leaving the Mounting Brackets attached to the wheelchair.
- As the attachment of this carrier, together with a fully charged oxygen cylinder, could add up to 7Kg (15lbs) to the rear of the wheelchair, it is essential that an appropriate stability test be carried out by a suitably qualified person, both with the user seated and as a vacated static wheelchair.
- Suitable Anti-Tip devices **MUST** be used when the Carrier and O₂ Cylinder are in place on the rear of the wheelchair.
- DO NOT** hang items such as shopping bags from the Carrier or O₂ cylinder as this could cause stability issues.
- Where Pneumatic Tyres are fitted to the wheelchair, the pressures may need to be adjusted accordingly.
- The RMS QR Oxygen Cylinder Carrier, is classed as an accessory to a medical device and as such, **has not** been included in any wheelchair frontal impact testing to ISO 7176-19. It is therefore recommended that, wherever possible, the Carrier together with Oxygen Cylinder, should be removed from the wheelchair during transportation in a motor vehicle and securely stored for the duration of the journey. In cases where this is not possible, an appropriate individual risk assessment should be carried out.



WARNING: KEEP AWAY FROM NAKED FLAMES AND SOURCES OF IGNITION. THERE IS A SERIOUS RISK OF FIRE, IF SUBSTANCES SUCH AS DIRT, OIL, GREASE OR HAND CREAM IS ALLOWED TO CONTAMINATE OXYGEN SUPPLY CONNECTIONS.

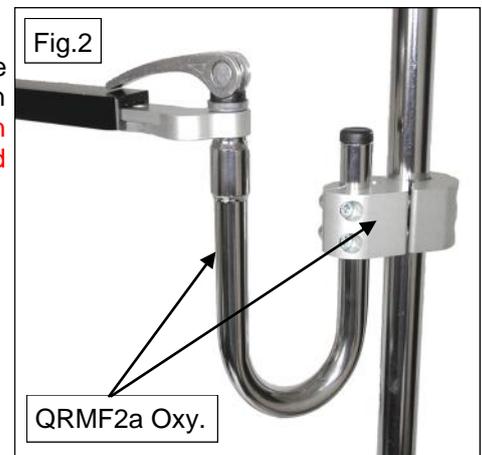
IMPORTANT NOTE:

These instructions relate to the installation of the O₂ Cylinder Carrier only and are not intended to offer advice or instruction on the connection and use of the Oxygen Supply. **Users and Carers should therefore adhere strictly to the instructions given by any professional persons prescribing the Oxygen supply and associated apparatus.**

FITTING:

Tools Required: 3, 4 and 5mm Hexagon Keys.

In view of the wide range of wheelchairs and their various backrest options currently available, the QRMF 2A-OXY Mounting Clamps and Brackets Fig.2, have been developed by RMS, to enable the O₂ Carrier to be attached to wheelchair backrest frames, by either clamping directly to suitable exposed sections of round frame tubes from 19mm to 25mm diameter, or, where a "wrap around" type back-canvas is being used, by clamping around the backrest frames and back-canvas together.



Suitable mounting positions should be located on the backrest frames, as low down as safely possible, as this will assist with the wheelchair stability. **NOTE:** Obstacles such as doorway thresholds, ramps, steps and curbs should always be taken into consideration when locating a suitable O₂ Carrier mounting position.

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FITTING Cont.

- To install the QRMF-2A-Oxy Clamps, slacken screws (b) Fig.3, sufficient to enable the Clamps to be assembled around the backrest frame, either directly on to the frame tubes, or over the “wrap-around” backrest canvas. The Clamps MUST be positioned at the same height, pointing rearwards and angled slightly inwards, then retighten screws just sufficient to maintain the Clamp’s position at this stage.
- Position both “U” shaped Receiver Brackets within their Clamps at equal heights, with at least 20mm protruding through the Clamps and in line with the Clamps towards the rear. Tighten clamping screws (c) Fig.3, sufficient to maintain their position.
- Before proceeding further, slacken all four side bracket locking Grub Screws (d) Fig.4, to allow the side brackets to slide in or out of the Carrier Cross Frame, when locating into the Support Brackets. These should be positioned evenly each side.

IMPORTANT NOTE: The max. extension lines MUST NOT exceed the outer end of the BLACK Cross Frame, (Fig.4).

- When offering-up the O₂ Carrier assembly, ensure both cam-locking levers (e) Fig. 5, are in the raised “un-locked” position before attempting to insert the locking bushes into the “U” Brackets.
- With the Carrier supported unlocked on the “U” Mounting Brackets, it may be necessary to centralise the O₂ Carrier with the backrest frame. This may involve slightly moving the Support Clamps, Support Brackets or Cross Frame positions on the Side Brackets, before fully tightening all locking Grub Screws (d) Fig.4.
- After completing any re-alignment adjustments, fold both cam-locking levers (e) Fig.5, over to the locked position before fully tightening all clamping screws (b) and (c) Fig.3 and Grub Screws (d) Fig.4.

All screws should be tightened just sufficient to prevent any movement.

INSTALLATION of the O₂ CYLINDER into the CARRIER

- Release both upper and lower Cylinder Retaining Straps, by lifting the strap cam-levers Fig.5. (It will not be necessary to completely separate the straps) and install the O₂ Cylinder downwards through the Straps until it rests on the Lower Support Panel (g) Fig.5. With the valve access at the top, facing the rear and check the height of the Cylinder within the Carrier. If the valve area is impeded by the upper Support Panel or Retaining Strap, it is possible to raise the Lower Support Panel. If adjustment is required, remove the Cylinder from the Carrier. Slacken both screws (f) Fig.5, and raise the Lower Panel to the required height. Re-tighten screws (f) sufficient to prevent any movement. Re-insert the O₂ Cylinder into the Carrier.
- Tighten the Upper and Lower Retaining Straps against the Cylinder by pulling the free end through the buckle until tight, then folding the strap cam-levers fully over to secure.

REMOVAL of the O₂ CYLINDER, is by slackening the Upper and Lower Retaining Straps and lifting the Cylinder clear.

REMOVAL of the O₂ CYLINDER complete with CARRIER can be done by raising both cam-locking levers, (e) Fig.5, to the vertical position and lifting the Carrier complete with Cylinder clear of the wheelchair.

- IMPORTANT NOTES:**
1. When removed from it’s surrogate wheelchair, this Carrier is NOT intended for use as an independent stand for the O₂ Cylinder.
 2. Security of the Carrier should be checked on a regular basis when in use.
 3. Do Not Use the carrier for any other use than that intended.

