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date

Technical Data

RAISING AND LOWERING GEAR - HAND OPERATED WINCH

OPERATING AND MAINTENANCE INSTRUCTIONS

OPERATION

General

1. Check that there is no obstruction to the free travel of the bar, both in the upward and downward direction. This is particularly important when scenic cloths or other equipment is suspended close to luminaires
2. TO LOWER: Turn the winch handle in an anti-clockwise direction.
TO RAISE: Turn the winch handle in a clockwise direction.
3. Before operating the raising and lowering gear, ensure that the area beneath the bar is clear of all personnel.
4. Under no circumstances should the safe working load of the equipment be exceeded.

Lighting Bars

1. Ensure that the lighting bar is isolated electrically before repositioning.
2. EITHER: Unplug the lighting bar supply cable(s)
OR: Ensure that the multicore cable support line is released from the appropriate cleat and that the cable is free to fall slack.
3. When barrel is in the correct position, haul away the multicore cable, if fitted, and make off the support line to the appropriate cleat.

MAINTENANCE

1. Check all fixings for security and examine all ropes for signs of wear. Steel wire rope should not show any signs of spiking, i.e. broken strands. Hemp rope should not show any signs of wear or localised reduction in diameter, and should be replaced after several years, especially in hot climates as they become brittle and liable to breakage.
2. The brake is of the normal ratchet and pawl type, with a Ferodo disc washer and should NOT be lubricated. Maintenance lubrication otherwise is light grease on all gearing, applied by hand, and light oil on the drum spindle and shaft ends, applied by oil can. Remember, with any lubrication, frequent and light is preferable to infrequent and heavy.
3. Check the ratchet and pawl, to ensure that they are not unduly worn.