

1403 WHEEL AND TIRE

The EIDAL Model 1403 Wheel and Tire is designed for use on trailers, dollies, bogies, or complete rig moving equipment. It is capable of carrying over 100,000 pounds across desert sand or other rugged terrain.

The assembly consists of the 51 inch wheel with integral hub and a 36:00 x 51:00 tire. It is equipped with inner and outer lifting eyes for attaching lifting equipment, a manually operated air filler valve with a quick disconnect hose fitting, and an air pressure gauge with isolation valve.

Supplied with each assembly are eight jackscrews used for bead breaking when the tire is to be removed, and two spindle nut wrenches.

TIRE INFLATION

To inflate the tire, connect air hose to the quick disconnect fitting on the air filler valve (Detail A). Fully open the manual valve. Fully open the gauge isolation valve (Detail B) and monitor pressure indication as the tire inflates. When the gauge indicates the desired air pressure, close the manual filler valve and disconnect the air hose. Close the gauge isolation valve and release air trapped in the gauge by depressing valve core in the air valve (Detail B -24).

AIR PRESSURE

After a tire has been installed, inflate tire to 75 PSI. Use soap and water around flanges, beads, and air fittings to check for leaks. If time permits further testing, reduce air pressure to 60 PSI, wait 24 hours and check for pressure loss. A pressure loss not exceeding 3 PSI is acceptable. After testing, reduce pressure to the required operating pressure.

During operation, check tire pressure frequently. Early detection of leaks can prevent damage to the tire.

Operating tire pressure depends on the weight being carried, the type of terrain and tire characteristics. Tire pressures are specified in the operating manuals for the equipment on which the tires are installed.