RIC-4716 Tire Inflation Cage

Owner's Manual

P/N 5900146 — Rev. A — August 2019

The RIC-4716 Tire Inflation Cage restrains a wide range of multi-piece and single-piece wheel and rim components, from small passenger Tires to truck, bus, off-road, and military Tires, while they are being inflated. The RIC-4716 meets OSHA 29 CFR 1910.177 requirements for tire service workplace safety.

⚠ DANGER Inflating a Tire is a serious endeavor with life-threatening risks. ***Only trained personnel*** using proper procedures and tools may use the RIC-4716, ***no exceptions***. Failure to read and comply with product warnings and procedures can result in serious injury or death to the operator or others nearby, especially in the Trajectory. Just because the last Tire didn't explode doesn't mean the next one won't; ***follow all safety precautions*** for every Tire.

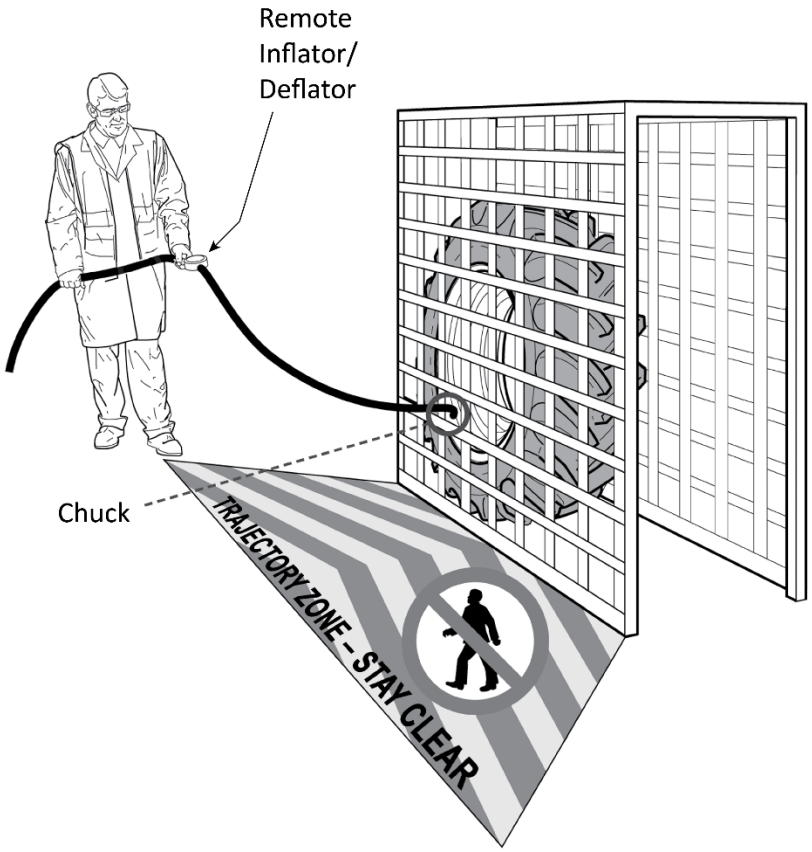
Specifications

- **Maximum Tire Width**: 16 in / 406 mm
- **Maximum Tire Diameter**: 47 in / 1,194 mm
- **Maximum Inflation Pressure**: 120 PSI. Use a regulator, if necessary. *Never exceed 120 PSI*.
- **Size**: 49.5 in / 1,257 mm ***high***, 21 in / 533 mm ***wide***, 27 in / 686 mm ***deep***
- **Construction**: Four Bars of 2.375 in / 60.325 mm diameter high-yield, seamless steel tubing

Safety Requirements

- Read OSHA 29 CFR 1910.177 so you understand how to correctly and safely inflate a Tire.
- Wear OSHA-approved (pub 3151) personal protective equipment ***at all times*** when using the RIC-4716: leather gloves, steel-toed work boots, eye protection, back belts, and hearing protection.
- Check the unit before each use. Do not use it if you find damage; instead, take it out of service and fix it.

- Do ***not*** stand in the Trajectory. If the Tire explodes, that is the most dangerous location.



- Use a clip-on Chuck with ***Remote*** Inflator/Deflator; operator must stay at least 12 feet away from the Tire during inflation. All others should be at least 30 feet away from the Tire during inflation.

To set up the RIC-4716:

1. Find an out-of-the-way spot with a level, concrete floor that is at least 36 in / 914 mm from walls or any other obstructions. This space around the unit is required to dissipate the energy of a Tire explosion.
2. Remove the RIC-4716 from the shipping container, unbolt it from the pallet, and move it to the desired location.

To inflate a Tire:

1. Make sure the Tire and Rim are the exact same diameter. A mismatch can separate during inflation.
2. Roll the Tire onto the RIC-4716 in an upright position, center it in the cage, and then remove any debris.
3. Rotate the Tire so that the valve is between two of the cage's tubes, then connect the Chuck.
4. Connect air via the Remote Inflator/Deflator and then move a minimum of 12 feet away from the Tire while staying outside the Trajectory. ***Make sure the area around the RIC-4716 is completely clear.***
5. Begin inflation of the Tire. Carefully watch the Tire during the entire process.
6. If you see any sidewall bulges or hear snapping or cracking noises, stop inflation ***immediately***, deflate the Tire ***remotely***, mark the Tire as damaged, render it unusable, then scrap it.
7. If a Tire explodes, render it unusable, scrap it, then check the RIC-4716 for damage (which must be fixed).