

## EXTREME DUTY TPMS - Sensor Installation



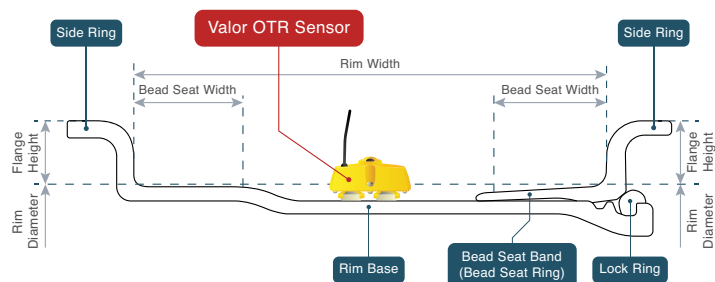
### Quick Use Notice

#### Please Read Before Installation

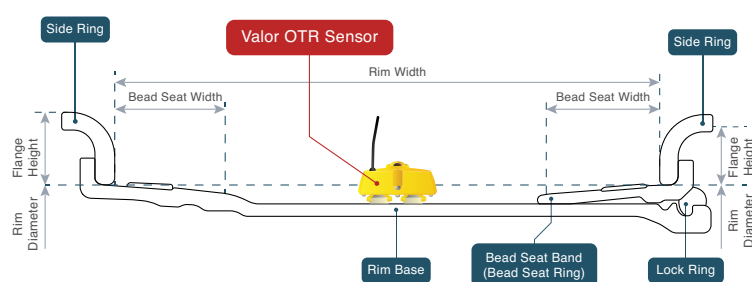
- ▶ Handling of tires and rims should be carried out only by workers who have received training and accreditation based on instruction from a qualified work supervisor.
- ▶ Check the "Tire and Rim Handling Manual" published by the tire manufacturer for information on work and inspections, etc. involving tire handling.
- ▶ When lifting heavy components or equipment, make sure that you use suitable lifting equipment and that you follow the instructions in the manual for equipment to be used.
- ▶ When moving tires and rims, be careful to avoid accidental drops or falls that could injure others in the vicinity.
- ▶ There are several types of tools for work involving tire and rim handling. Be sure you have proper understanding of how the tools are used and carry out the work in accordance with proper procedures.
- ▶ Be sure to perform a visual examination of tires and rims when conducting regular inspections of vehicles and tires or tire rotations.
- ▶ Rim components that are deformed, bent, cracked, worn, corroded, or damaged should be clearly labelled to indicate their condition, and discarded.
- ▶ Use tires and rims suited to the vehicle, as specified by the vehicle manufacturer and tire manufacturer.
- ▶ In the case of dual assemblies, DO NOT operate the vehicle on a single tire as the load capacity of the tire and rim will be drastically reduced and may result in damage.



## 3 Piece Rim Components:



## 5 Piece Rim Components:



## Mounting the Valor Gen II Magnetically Mounted Sensor on a Vertical Tire Mount

1. Ensure the rim is surface where the sensor is to be mounted is clean.
2. Position the tire approximately  $\frac{3}{4}$  of the way onto the rim allowing enough room to place the sensor on the recessed portion of the rim. (Figure A)
3. Once the tire has been positioned and secured in such a manner as to eliminate any unplanned movement, carefully place the sensor on the rim base either to the left or right of the valve stem. (Figure B)
4. When positioning the sensor watch for pinch points between the magnets and the rim base surface. Valor uses extremely powerful magnets to hold the sensor to the rim. (Figure C)
5. If you are unable to position the sensor in the center of the rim, use a non-metal extension to push the sensor further toward the center. **Note:** the sensor does not need to be in the center of the rim, but simply clear of any rim components such as the side or bead seat ring.
6. Complete reassembly of tire and rim. Inflate to manufacturers recommended cold inflation pressure. (Figure D)

### Notes:

- i. When using a **7 pieces** rim or quick change system, the sensor can be mounted directly on the bead seat ring after the tire bead has been successfully seated.
- ii. When performing a **horizontal** tire mount, follow steps 1 and 2, however be sure to place blocking under the tire to support one side of it, allowing the other side to slide down the rim and creating the secure opening that use be used to place the sensor on the rim.

