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**GLOBAL MINING  
 PRODUCTS**

Quality, Service, Value

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**RAD**

**MIDWEST**

## RAD Commercial Tool

The RAD® Commercial Torque Tool has been engineered and designed around WHEEL NUT BOLTING applications. Capable of achieving 230 RPM delivered through continuous controlled torque, this tool represents the solution to productivity and safety for the WHEEL NUT BOLTING industry!

Each RAD® commercial tool includes a double paddle reaction arm, 12 ft hose & fittings, and a regulator and tool holder.



### RAD Commercial Series Mobile Calibration

- Ensures exact accuracy with confidence.
- Calibrate tools in the Tire shop and on the service truck.
- Mobile unit can be used to calibrate tools on site in regional areas.
- Calibration range from 100 -1000 ft/lbs, with an accuracy of 1% of indicated reading from 20 - 100% of transducer range.
- Calibration meets all North American Torque Standards.

Drive Size	Torque low - high	RPM	Weight (lbs)	Noise
0.75 in.	100 - 580	230	12.0	85db

### Highest Power-to-Weight Ratio of Any Power Tool.

All RAD® torque guns are designed to deliver the highest power-to-weight ratio of any pneumatic torque tool on the market today, saving you time and money in maintenance or production costs.



## RAD Tool compared to Impact Wrenches

### No Harsh Vibration

88 times less vibration than large impact wrenches.

### Quiet Operation

Less than 85db compared to the average impact wrench which emits 124 db(A)!

### Accurate

RAD® Torque Tools are accurate to +/-5%. Repeatable to 2%.



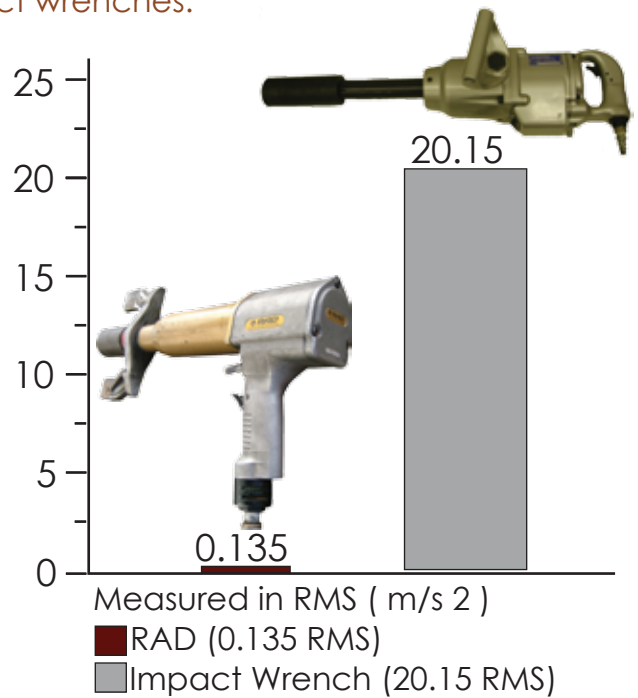
**No Harsh Vibrations** 88 times less vibration than large impact wrenches.

An Impact Wrench measures 20.15 (m/s<sup>2</sup>) and the RAD Tool measured only 0.135 (m/s<sup>2</sup>). The threshold limit for one hour of use is 12 (m/s<sup>2</sup>).

The RAD® Tool has virtually no vibration. By utilizing this tool the worker is not subject to threshold limits and injury causing vibration.

**Industry Safety Fact**

OSHA identifies vibration as a major hazard and recommends elimination of the hazard with alternatives that offer little or no vibration. WMSD's account for 34% of lost workday injury and cost employers an estimated 20 billion in worker's compensation costs in the United States in 1995.



**Quiet Operation** Less than 85db compared to the average impact wrench which emits 124 db(A)!

**Industry Safety Fact**

It is estimated that occupational hearing loss compensation costs are in the hundreds of millions per year. Hearing damage is the most common & preventable occupational hazard.



**OSHA Permissible Noise Exposures**

**124db (A)** 1/4 hrs /day - Impact Wrench

**85db (A)** no limit/day - RAD Tool



**Accurate** RAD Tools are accurate to +/-5%. Repeatable to 2%.

Every RAD® pneumatic Tool is individually calibrated and traceable to NIST standards to help ensure joint integrity. RAD® Tools are many times more accurate than impact wrenches and in many cases can be more precise than click type manual torque wrenches, which are often over pulled by operators.

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