



RAD TORQUE SYSTEMS - THERE IS A BETTER WAY



LEADING MANUFACTURER OF ADVANCED TORQUE SYSTEMS



PNEUMATIC



BATTERY



ELECTRONIC



ELECTRIC



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PNEUMATIC SERIES

GEN-X SERIES

Precision design and engineering has brought about the next generation in torque wrenches – the **RAD® GEN-X SERIES**.

Designed for extreme duty use in a variety of industries worldwide, **RAD® GEN-X SERIES** torque wrenches offer:

- ✓ The ultimate in power-to-weight ratio
- ✓ Wide torque range to suit multiple applications
- ✓ Unmatched reliability delivered by one of the most advanced engineered gear boxes on the market
- ✓ Controlled torque - accuracy of +/-5%, and repeatability of +/-2%

Extreme Duty Torque Wrenches for Heavy Duty Applications



RAD® 10GX



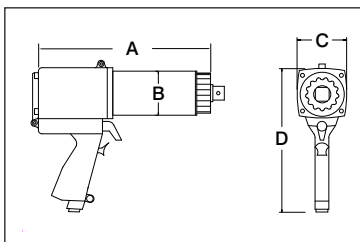
RAD® 25GX



RAD® 34GX



GEN-X SERIES DIMENSIONS



All RAD® Pneumatic Series tools include reaction arm, 12' hose & fittings and all new ergonomic regulator cage

| PART NUMBER | TOOL MODEL | DRIVE SIZE | TORQUE (ft. lbs.) | | RPM | WEIGHT (lbs.) | NOISE LEVEL | DIMENSION A | DIMENSION B | DIMENSION C | DIMENSION D |
|-------------|------------|------------|-------------------|------|-----|---------------|-------------|-------------|-------------|-------------|-------------|
| | | | LOW | HIGH | | | | | | | |
| 12814 | 7GX | 0.75" | 100 | 700 | 30 | 8.0 | 80 db | 9.0" | 2.5" | 2.75" | 9.0" |
| 12818 | 10GX | 0.75" | 200 | 1000 | 20 | 8.0 | 80 db | 8.15" | 2.5" | 2.75" | 8.07" |
| 17328 | 15DX | 1.0" | 300 | 1500 | 10 | 8.6 | 80 db | 8.0" | 2.7" | 2.75" | 8.1" |
| 12377 | 25GX | 1.0" | 500 | 2500 | 9 | 13.5 | 85 db | 9.7" | 3.1" | 3.3" | 9.5" |
| 12356 | *34GX | 1.0" | 1000 | 3400 | 12 | 20.0 | 85 db | 12.5" | 3.4" | 3.7" | 10.8" |
| 15328 | 60DX | 1.5" | 2000 | 6000 | 6.6 | 27.6 | 85 db | 13.7" | 4.0" | 4.0" | 10.9" |
| 12383 | 85GX | 1.5" | 3000 | 8500 | 4.5 | 38.5 | 85 db | 17.0" | 4.5" | 4.5" | 11.0" |

* Also available in 1.5" Square Drive for Heavy Duty Applications.

Accuracy of +/-5%, Repeatability of +/-2%



HIGH SPEED SERIES

The **RAD® HIGH SPEED SERIES** torque wrenches incorporate a precision engineered high speed gear box designed for faster run down on time sensitive bolting applications.



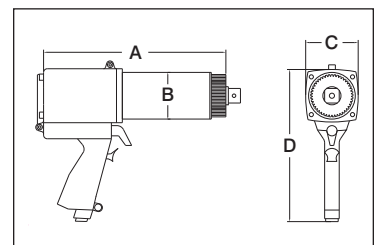
Introduced to compliment the RAD GX series torque wrenches, the high speed series offer the same reliable and dependable solution for the installation and removable of heavy-duty fasteners.



All RAD® Pneumatic Series tools include reaction arm, 12' hose & fittings and all new ergonomic regulator cage

- ✓ **The Ultimate in Power-to-Weight Ratio**
- ✓ **Versatile Torque Ranges: 300 - 2,500 ft.lbs**
- ✓ **Extreme Torque with High RPM Productivity**

HIGH SPEED SERIES DIMENSIONS



| PART NUMBER | TOOL MODEL | DRIVE SIZE | TORQUE (ft. lbs.) | | RPM | WEIGHT (lbs.) | NOISE LEVEL | DIMENSION | DIMENSION | DIMENSION | DIMENSION |
|-------------|------------|------------|-------------------|------|-----|---------------|-------------|-----------|-----------|-----------|-----------|
| | | | LOW | HIGH | | | | A | B | C | D |
| 10644 | 10GX-2 | 0.75" | 350 | 1000 | 85 | 9.9 | 80 db | 10.3" | 2.5" | 2.75" | 8.1" |
| 17068 | 15DX-2 | 1.0" | 500 | 1500 | 50 | 10.5 | 80 db | 9.9" | 2.7" | 2.75" | 8.1" |
| 19773 | 25GX-2 | 1.0" | 700 | 2500 | 44 | 16.6 | 80 db | 12.0" | 3.1" | 3.3" | 10.0" |

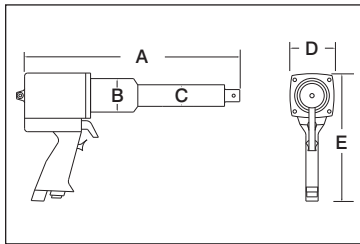


RAD® OTR MINING SERIES WHEEL NUT BOLTING SERIES

The **RAD® WHEEL NUT BOLTING SERIES** and the **RAD® OTR MINING SERIES** were designed with one job in mind - **wheel nut bolting** for light and heavy duty applications where torque control is a must.

- ✓ Removable custom reaction arms designed to fit virtually any wheel configuration

GX-R SERIES DIMENSIONS



RAD® 7GX-R



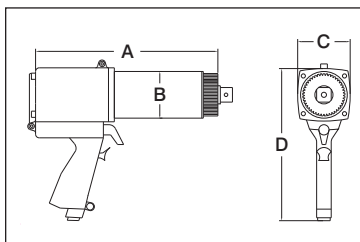
| PART NUMBER | TOOL MODEL | DRIVE SIZE | TORQUE (ft. lbs.) | | RPM | WEIGHT (lbs.) | NOISE LEVEL | DIMENSION A | DIMENSION B | DIMENSION C | DIMENSION D | DIMENSION E |
|-------------|------------|------------|-------------------|------|-----|---------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | | | LOW | HIGH | | | | | | | | |
| 13495 | 7GX-R | 0.75" | 300 | 700 | 115 | 12.0 | 80 db | 14.5" | 2.5" | 2.0" | 2.75" | 9.0" |
| 13477 | 1800NGX-R | 1.0" | 500 | 1800 | 10 | 27.5 | 85 db | 21.5" | 3.0" | 2.0" | 3.3" | 9.5" |

CLASSIC SERIES

RAD® CLASSIC SERIES torque wrenches offer a reliable and dependable solution for the installation and removal of heavy-duty fasteners in a variety of industries that require accuracy, power, and safety.

- ✓ **PATENTED** Planetary gear reduction drive system
- ✓ Smooth continuous flow of controlled torque eliminating destructive hammering
- ✓ Lightweight ergonomic pistol grip design reducing operator strain and injury; resulting in increased productivity

CLASSIC SERIES DIMENSIONS



Custom Reaction Arms Available



All RAD® Pneumatic Series tools include reaction arm, 12' hose & fittings and all new ergonomic regulator cage

| PART NUMBER | TOOL MODEL | DRIVE SIZE | TORQUE (ft. lbs.) | | RPM | WEIGHT (lbs.) | NOISE LEVEL | DIMENSION A | DIMENSION B | DIMENSION C | DIMENSION D |
|-------------|------------|------------|-------------------|------|-----|---------------|-------------|-------------|-------------|-------------|-------------|
| | | | LOW | HIGH | | | | | | | |
| 12316 | 350SL | 0.75" | 50 | 350 | 65 | 6.0 | 80 db | 6.6" | 2.4" | 2.75" | 8.75" |
| 12342 | 1800NG | 1.0" | 500 | 1800 | 13 | 12.5 | 85 db | 9.0" | 3.0" | 3.3" | 9.5" |
| 12357 | 50 | 1.5" | 1500 | 5000 | 8 | 28.0 | 85 db | 13.9" | 4.0" | 3.7" | 10.4" |

Accuracy of +/-5%, Repeatability of +/-2%



E-RAD® SERIES

E-RAD® SERIES pistol grip electronic torque wrenches are lighter, faster, stronger, and more reliable than other conventional means of bolting. Accurate to +/- 3%, this patented tool ensures that each bolt will be tightened to exacting standards.



LED lights located on both sides



Forward/Reverse Switch



Integrated Fan Kit

PRECISION BOLTING DRIVEN BY TECHNOLOGY AND DESIGN

LIGHTER

Combining the latest advancements in ergonomic design along with an ultra-durable portable carrying case, the E-RAD Series torque system is a lightweight alternative to other bolting systems.

FASTER

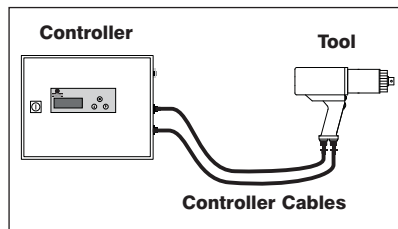
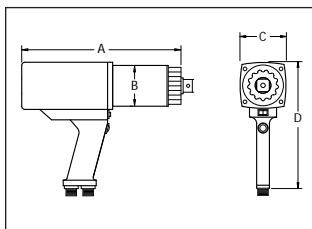
Compared to hydraulic wrenches, the E-RAD decreased tightening times by up to 300% through the delivery of smooth and continuous torque.

STRONGER

With unsurpassed power-to-weight ratio and our legendary patented gearbox design, E-RAD Series tools offer the highest dependability and reliability in the industry.



ELECTRIC SERIES DIMENSIONS



All E-RAD Series tools come fully calibrated complete with:

- E-RAD Tool
- Controller Cables
- Operators Manual
- Reaction Arm and Retention Ring
- E-RAD Touch Controller

| PART NUMBER | TOOL MODEL | DRIVE SIZE | TORQUE (ft. lbs.) | | WEIGHT (lbs.) | DIMENSION A | DIMENSION B | DIMENSION C | DIMENSION D |
|-------------|-----------------|------------|-------------------|------|---------------|-------------|-------------|-------------|-------------|
| | | | LOW | HIGH | | | | | |
| 14991 | E-RAD 700 | 0.75 | 100 | 700 | 12 | 13.25" | 2.5" | 3.0" | 8.25" |
| 12313 | E-RAD 1200 | 1.0" | 200 | 1200 | 15 | 13.9" | 3.0" | 3.0" | 8.25" |
| 12314 | E-RAD 2000 | 1.0" | 250 | 2000 | 18 | 14.33" | 3.0" | 3.5" | 8.75" |
| 15710 | E-RAD 2500 COMP | 1.0" | 250 | 2500 | 18 | 14.8" | 3.0" | 3.0" | 8.25" |
| 12703 | E-RAD 3000 | 1.0" | 500 | 3000 | 23.5 | 16.75" | 3.4" | 3.5" | 8.75" |
| 13992 | E-RAD 4000 | 1.5" | 800 | 4000 | 31 | 17.75" | 4.0" | 3.5" | 8.75" |
| 15952 | E-RAD 6000 | 1.5" | 1500 | 6000 | 29 | 16.5" | 4.0" | 3.5" | 8.75" |

Accuracy of +/-3%



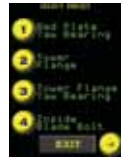
E-RAD® SERIES CONTROLLERS AND OPTIONS

E-RAD® FEATURES

- ✓ **Push-button select torque**
Fast and convenient error-free digital single increment torque settings
- ✓ **Lightweight and Ergonomic grip design**
Advanced low-profile handle to reduce operator fatigue and increase productivity
- ✓ **Extremely low noise level only 75db**
World's quietest extreme torque gun, ideal for sensitive environments
- ✓ **LED Green (Pass) or Red (Fail) indicator lights**
Unmistakable visual signal indicates status of torque procedure for maximum accuracy and speed



Also available in steel configuration



E-RAD TOUCH

Controller Case

The E RAD touch control case provides the interface for all E RAD Tools. The touch screen allows for quick adjustments and easily selectable pre-sets.

- ✓ **Touch screen - 2" x 3"**
- ✓ **Standard with torque and angle**
- ✓ **Field calibration, password protected**
- ✓ **Life cycle and maintenance counters**
- ✓ **Advanced data collection**



SELECT ONE OF THE FOLLOWING CONTROLLERS

| PART NUMBER | DESCRIPTION | CASE TYPE | VOLTAGE | LENGTH DIMENSION | HEIGHT DIMENSION | WIDTH DIMENSION |
|-------------|-------------|-----------------------|---------|------------------|------------------|-----------------|
| 17026 | CONTROLLER | STEEL ASSEMBLY | 120 | 14.9" | 11.8" | 8.0" |
| 16499 | CONTROLLER | WEATHERPROOF ASSEMBLY | 120 | 13.3" | 6.0" | 11.6" |
| 17027 | CONTROLLER | STEEL ASSEMBLY | 220 | 14.9" | 11.8" | 8.0" |
| 16500 | CONTROLLER | WEATHERPROOF ASSEMBLY | 220 | 13.3" | 6.0" | 11.6" |

SELECT ONE OF THE FOLLOWING CABLE LENGTHS

| PART NUMBER | TOOL MODEL | CABLE LENGTH (Feet) |
|-------------|-----------------------------------------------------------------|---------------------|
| 10984 | CABLE LENGTH FROM CONTROLLER TO TOOL MODEL (standard with tool) | 15 |
| 11845 | CABLE LENGTH FROM CONTROLLER TO TOOL MODEL | 20 |
| 11846 | CABLE LENGTH FROM CONTROLLER TO TOOL MODEL | 25 |



DIGITAL BATTERY SERIES

World's First Digital and Programmable Pistol Grip Torque Wrench

DIGITAL B-RAD SERIES

battery powered torque wrenches are the world's first digital, cordless and lithium-ion battery tool on the market. With advanced technology containing digital display and single increment torque settings.

- ✓ **Battery Powered**
- ✓ **Single Increment Digital Torque Settings**
- ✓ **Portable and Accurate Bolting Solutions!**



DB RAD® 500

DB RAD® 1000

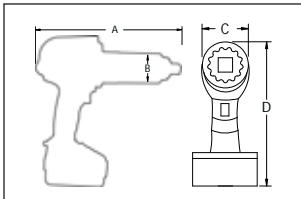
DB RAD® 1500

Ideal for applications where compressed air or electricity are not available. Light weight tool offering accurate torque for low bolt count applications.



Digital Display

DIGITAL B SERIES DIMENSIONS



Each Digital B-RAD Series battery wrench includes a reaction arm, two 18 volt batteries, battery charger and a weatherproof storage case.

| PART NUMBER | TOOL MODEL | DRIVE SIZE | TORQUE (ft. lbs.) | | RPM | WEIGHT (lbs.) | NOISE LEVEL | DIMENSION A | DIMENSION B | DIMENSION C | DIMENSION D |
|-------------|-------------|------------|-------------------|------|-----|---------------|-------------|-------------|-------------|-------------|-------------|
| | | | LOW | HIGH | | | | | | | |
| 16821 | DB-RAD 500 | 0.75" | 100 | 500 | 26 | 11.0 | 80 db | 12.75" | 2.5" | 3.0" | 11.0" |
| 16822 | DB-RAD 1000 | 0.75" | 250 | 1000 | 12 | 11.6 | 80 db | 13.25" | 2.5" | 3.0" | 11.0" |
| 16823 | DB-RAD 1500 | 1.0" | 500 | 1500 | 8 | 11.8 | 80 db | 13.75" | 2.2" | 3.0" | 11.0" |



DIGITAL V-SERIES

DIGITAL V-RAD SERIES

extreme design innovation with colour screen and keypad for single increment digital torque settings. Ideal for applications where compressed air is not readily available. Smooth continuous flow of controlled torque adjustable presets.



Fully programmable preset torque settings

Torque ranges up to 2,500 ft. lbs.

Electric Powered

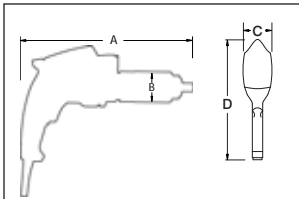


Digital Display



- ✓ **Digital Display with Colour Screen**
- ✓ **Single Increment Digital Torque Settings**
- ✓ **Patented Legendary Gearbox Design**
- ✓ **Advanced durable electric motor design!**

DIGITAL V SERIES DIMENSIONS



Each Digital V-RAD Series pistol torque wrench comes fully calibrated and includes a reaction arm, retaining ring and a weatherproof storage case.



| PART NUMBER | TOOL MODEL | DRIVE SIZE | TORQUE (ft. lbs.) | | RPM | WEIGHT (lbs.) | NOISE LEVEL | DIMENSION A | DIMENSION B | DIMENSION C | DIMENSION D |
|-------------|-------------|------------|-------------------|------|-----|---------------|-------------|-------------|-------------|-------------|-------------|
| | | | LOW | HIGH | | | | | | | |
| 16120 | DV-RAD 1000 | 0.75" | 400 | 1000 | 7.7 | 11.4 | 80 db | 12.66" | 2.5" | 2.75" | 8.65" |
| 16121 | DV-RAD 1500 | 1.0" | 600 | 1500 | 5.8 | 12.0 | 80 db | 13.5" | 2.7" | 2.75" | 8.65" |
| 16122 | DV-RAD 2500 | 1.0" | 1000 | 2500 | 3.2 | 13.6 | 80 db | 14.95" | 3.1" | 2.75" | 8.65" |



B-RAD BATTERY SERIES

B-RAD® BATTERY SERIES torque wrenches offer unmatched power, versatility, and reliability. Incorporating our precision engineered gear boxes, their lightweight design makes these tools ideal for any application, especially where compressed air or electricity is not readily available.

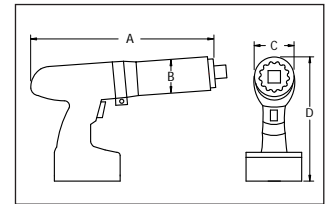
**Just imagine the freedom....
No Air Lines! No Power Cords! No Hassles!**



All B-RAD tools come fully calibrated complete with:

- B-RAD Tool
- Reaction Arm
- Two 18 Volt Batteries
- Battery Charger
- Calibration Chart
- Storage Case

BATTERY SERIES DIMENSIONS



| PART NUMBER | TOOL MODEL | DRIVE SIZE | TORQUE (ft. lbs.) | | WEIGHT (lbs.) | DIMENSION A | DIMENSION B | DIMENSION C | DIMENSION D |
|-------------|-----------------------|------------|-------------------|------|---------------|-------------|-------------|-------------|-------------|
| | | | LOW | HIGH | | | | | |
| 20086 | TOOL KIT B-RAD 500 | 0.75" | 225 | 475 | 8.4 | 10.07" | 2.5" | 2.5" | 10.25" |
| 20092 | TOOL KIT B-RAD 500-2 | 0.75" | 200 | 500 | 10.4 | 12.07" | 2.5" | 2.5" | 10.25" |
| 20087 | TOOL KIT B-RAD 1000 | 0.75" | 400 | 1000 | 8.8 | 10.65" | 2.5" | 2.5" | 10.25" |
| 20093 | TOOL KIT B-RAD 1000-2 | 0.75" | 400 | 1000 | 10.8 | 12.65" | 2.5" | 2.5" | 10.25" |
| 20088 | TOOL KIT B-RAD 1500 | 1.0" | 600 | 1500 | 9.2 | 10.83" | 2.7" | 2.7" | 10.37" |
| 20094 | TOOL KIT B-RAD 1500-2 | 1.0" | 600 | 1500 | 11.2 | 13.00" | 2.7" | 2.7" | 10.37" |

V-RAD ELECTRIC SERIES

V-RAD ELECTRIC SERIES are a new generation of electric torque wrenches used for the installation or removal of heavy duty fasteners where accuracy, power, and safety are required.

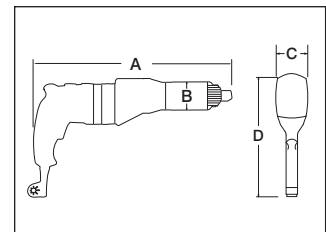
- ✓ **Quick adjust torque settings**
Fast and accurate "dial a torque" for maximum versatility and efficiency
- ✓ **Equal power in forward and reverse**
Convenience and cost effective use of same tool for break away and final torque
- ✓ **Advanced ultra-durable electric motor design**
Extreme duty design to reduce maintenance cost and increase reliability



All V-RAD tools come fully calibrated complete with:

- V-RAD Tool
- Reaction Arm
- Operators Manual
- Calibration Chart
- Storage Case

V SERIES DIMENSIONS



| PART NUMBER | TOOL MODEL | DRIVE SIZE | TORQUE (ft. lbs.) | | WEIGHT (lbs.) | DIMENSION A | DIMENSION B | DIMENSION C | DIMENSION D |
|-------------|------------|------------|-------------------|------|---------------|-------------|-------------|-------------|-------------|
| | | | LOW | HIGH | | | | | |
| 13497 | V-RAD 4 | 0.75" | 100 | 400 | 10.0 | 15.5" | 2.5" | 2.75" | 8.0" |
| 12899 | V-RAD 10 | 0.75" | 300 | 1000 | 11.0 | 17.25" | 2.5" | 2.75" | 8.0" |
| 12389 | V-RAD 16 | 1.0" | 500 | 1600 | 15.0 | 17.75" | 3.0" | 2.75" | 8.0" |
| 13501 | V-RAD 23 | 1.0" | 800 | 2300 | 15.0 | 18.0" | 3.0" | 2.75" | 8.0" |



SMART-SOCKET SERIES

Patented Transducer Socket Torque Verification & Calibration

RAD SMART-SOCKET SERIES

uses RAD Torque's transducer technology combined with custom sockets to measure the torque applied to the socket during a torque cycle. By innovative design, the Smart Socket is no larger than a standard socket.

Compact size and innovative technology makes the Smart-Socket a perfect audit tool for inspecting bolting joints.



BELIEVE IT!

- ✓ Measures and displays peak torque
- ✓ "Pass" or "Fail" indication
- ✓ Data logging - download logs onto computer
- ✓ Ideal on site calibration tool

Current Sizes: 60-80mm Smart-Socket
50-60mm Smart-Socket
46-50mm Smart-Socket



PATENTED TECHNOLOGY

***Most socket sizes available upon request**



REACTION ARMS



| | STANDARD (included with tool) | DEEP SOCKET | DOUBLE ENDED ARM | BLANK | DOUBLE ENDED BLANK | RETAINING RING |
|------------------|-----------------------------------------|------------------------|-----------------------------|--------------|-------------------------------|---------------------------|
| PNEUMATIC | | | | | | |
| RAD 350SL | 10686 | 10687 | 10688 | 10036 | 10037 | 10306 |
| RAD 7GX | 13366 | 13367 | 13368 | 13364 | 13365 | 12733 |
| RAD 7GX-R | 13512 | 12902 | 13442 | 13773 | 12903 | 10306 |
| RAD 10GX | 13366 | 13367 | 13368 | 13364 | 13365 | 12733 |
| RAD 15DX | 17375 | 18480 | 19094 | 17888 | 19093 | 17367 |
| RAD 1800NG | 10004 | 10007 | 10009 | 10005 | 10008 | 10014 |
| RAD 1800NGX-R | 13484 | 13515 | 13516 | 13513 | 13514 | 13476 |
| RAD 25GX | 18250 | 18251 | 10516 | 10513 | 10448 | 10509 |
| RAD 34GX | 11531 | 11534 | 11533 | 11530 | 11532 | 11350 |
| RAD 50 | 10039 | 10401 | 10403 | 10040 | 10402 | 10032 |
| RAD 60DX | 15375 | 15788 | 15790 | 15373 | 15789 | 15367 |
| RAD 85GX | 12885 | 13508 | 13509 | 13505 | 13506 | 11930 |

| | STANDARD (included with tool) | DEEP SOCKET | DOUBLE ENDED ARM | BLANK | DOUBLE ENDED BLANK | RETAINING RING |
|-----------------|-----------------------------------------|------------------------|-----------------------------|--------------|-------------------------------|---------------------------|
| ELECTRIC | | | | | | |
| V-RAD 4 | 10686 | 10687 | 10688 | 10036 | 10037 | 10306 |
| V-RAD 10 | 13366 | 13367 | 13368 | 13364 | 13365 | 12733 |
| V-RAD 16 | 10004 | 10007 | 10009 | 10005 | 10008 | 10014 |
| V-RAD 23 | 10514 | 10515 | 10516 | 10513 | 10448 | 10509 |

| | STANDARD (included with tool) | DEEP SOCKET | DOUBLE ENDED ARM | BLANK | DOUBLE ENDED BLANK | RETAINING RING |
|----------------|-----------------------------------------|------------------------|-----------------------------|--------------|-------------------------------|---------------------------|
| BATTERY | | | | | | |
| B-RAD 500 | 13366 | 13367 | 13368 | 13364 | 13365 | 12733 |
| B-RAD 1000 | 13366 | 13367 | 13368 | 13364 | 13365 | 12733 |
| B-RAD 1500 | 17375 | 18480 | 19094 | 17888 | 19093 | 17367 |

| | STANDARD (included with tool) | DEEP SOCKET | DOUBLE ENDED ARM | BLANK | DOUBLE ENDED BLANK | RETAINING RING |
|-------------------|-----------------------------------------|------------------------|-----------------------------|--------------|-------------------------------|---------------------------|
| ELECTRONIC | | | | | | |
| E-RAD 700 | 13366 | 13367 | 13368 | 13364 | 13365 | 12733 |
| E-RAD 1200 | 10004 | 10007 | 10009 | 10005 | 10008 | 10014 |
| E-RAD 2000 | 10247 | 10395 | 10397 | 10394 | 10396 | 10038 |
| E-RAD 2500 COMP | 18250 | 18251 | 10516 | 10513 | 10448 | 10509 |
| E-RAD 3000 | 11531 | 11534 | 11533 | 11530 | 11532 | 11350 |
| E-RAD 4000 | 10039 | 10401 | 10403 | 10040 | 10402 | 10032 |
| E-RAD 6000 | 16368 | 17643 | 15790 | 16260 | 15789 | 15367 |

| | STANDARD (included with tool) | DEEP SOCKET | DOUBLE ENDED ARM | BLANK | DOUBLE ENDED BLANK | RETAINING RING |
|------------------------|-----------------------------------------|------------------------|-----------------------------|--------------|-------------------------------|---------------------------|
| DIGITAL BATTERY | | | | | | |
| DB-RAD 500 | 13366 | 13367 | 13368 | 13364 | 13365 | 12733 |
| DB-RAD 1000 | 13366 | 13367 | 13368 | 13364 | 13365 | 12733 |
| DB-RAD 1500 | 17375 | 18480 | 19094 | 17888 | 19093 | 17367 |

| | STANDARD (included with tool) | DEEP SOCKET | DOUBLE ENDED ARM | BLANK | DOUBLE ENDED BLANK | RETAINING RING |
|-------------------------|-----------------------------------------|------------------------|-----------------------------|--------------|-------------------------------|---------------------------|
| DIGITAL ELECTRIC | | | | | | |
| DV-RAD 1000 | 13366 | 13367 | 13368 | 13364 | 13365 | 12733 |
| DV-RAD 1500 | 17375 | 18480 | 19094 | 17888 | 19093 | 17367 |
| DV-RAD 2500 | 10514 | 10515 | 10516 | 10513 | 10448 | 10509 |

* Please contact us if you have a specific or custom application.
Our Engineering Department can design a reaction arm for all of your needs.
www.radtorque.com

Sample of Custom Reaction Arms shown below



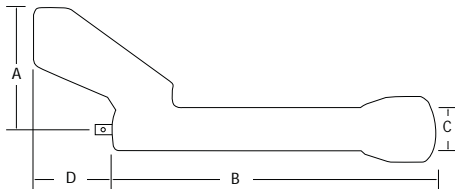


NOSE EXTENSION SELECTION CHART



| Part Number | Description | Dimension A | Dimension B | Dimension C | Dimension D |
|-------------|-------------------------------|-------------|-------------|-------------|-------------|
| 14195 | RAD 10GX NOSE EXTENSION 12" | n/a | 12.75" | 1.75" | n/a |
| 14200 | RAD 10GX NOSE EXTENSION 15" | n/a | 15.75" | 1.75" | n/a |
| 14205 | RAD 10GX NOSE EXTENSION 18" | n/a | 18.75" | 1.75" | n/a |
| 18185 | RAD 15DX NOSE EXTENSION 12" | n/a | 13.75" | 2.0" | n/a |
| 19058 | RAD 15DX NOSE EXTENSION 15" | n/a | 15.75" | 2.0" | n/a |
| 19059 | RAD 15DX NOSE EXTENSION 18" | n/a | 18.75" | 2.0" | n/a |
| 10259 | RAD 1800NG NOSE EXTENSION 12" | 5.0" | 12.7" | 2.0" | 3.5" |
| 10257 | RAD 1800NG NOSE EXTENSION 15" | 5.0" | 16.0" | 2.0" | 3.5" |
| 10258 | RAD 1800NG NOSE EXTENSION 18" | 5.0" | 18.0" | 2.0" | 3.5" |
| 12096 | RAD 25GX NOSE EXTENSION 12" | 5.0" | 13.0" | 2.0" | 3.25" |
| 12061 | RAD 25GX NOSE EXTENSION 15" | 5.0" | 16.0" | 2.0" | 3.25" |
| 12097 | RAD 25GX NOSE EXTENSION 18" | 5.0" | 18.5" | 2.0" | 3.25" |
| 11750 | RAD 34GX NOSE EXTENSION 12" | 5.6" | 12.5" | 2.0" | 3.4" |
| 11751 | RAD 34GX NOSE EXTENSION 15" | 5.6" | 15.5" | 2.0" | 3.4" |
| 11752 | RAD 34GX NOSE EXTENSION 18" | 5.6" | 18.5" | 2.0" | 3.4" |

10GX and 15DX Nose Extensions require a reaction arm. Refer to 7GX-R Reaction Arms on previous charts.



RAD CALIBRATION SYSTEMS



RCA-1000
Torque Range 100-1000ft/lb
Accuracy +/- .25%



RCA-3000
Torque Range 300-3000ft/lb
Accuracy +/- .25%



RCA-5000
Torque Range 500-5000ft/lb
Accuracy +/- .25%



RCA-6000
Torque Range 600-6000ft/lb
Accuracy +/- .25%



COMPANY PROFILE

17 YEARS INCORPORATED



New World Technologies Inc. is a leading Canadian manufacturer of pneumatic, battery powered, and electronic pistol grip torque wrenches. Our advanced products have proven to be successful all over the world in such industries as oil and gas, petrochemical, mining, aerospace, and manufacturing. We continue to invest in and employ the latest technology to achieve the highest level of innovation, quality, and performance - which has resulted in multiple patents for our products. New World Technologies Inc. has designed its operations for maximum flexibility and responsiveness ensuring our customers receive outstanding service.



- 14 CNC machining centers (Okuma and HAAS systems)
- CAD and CAM processing (Solid Works and Master Cam)
- 9 gear cutting machines (working to AGMA standards)
- 3 Professional Engineers (Mechanical and Electronics)

MAXIMUM FLEXIBILITY AND RESPONSIVENESS, ENSURING OUR CUSTOMERS RECEIVE OUTSTANDING SERVICE



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 tool on the market today, saving you time and money in maintenance or production costs. The extremely high torque and constant rotation make our tools ideal for virtually any bolting application you will encounter. Equal power in both forward and reverse allows more diversity for tough maintenance jobs.

Accuracy +/-5%, repeatability 2%*

Every RAD® air torque wrench is individually calibrated and traceable to NIST standards to help ensure joint integrity. Our 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.

* With correct air supply

88 times less vibration than Impact wrenches...Operates at only 85 db

RAD® torque guns are one of the safest power tools on the market today. Our exclusive low profile reaction arm takes virtually all the operational load off the operator, reducing injuries and greatly reducing operating costs. Don't wait for a time loss injury or legislation to force change in your environment, RAD® guns set the standard in bolting safety.



With continuous dedication to accuracy and precision, New World Technologies is an ISO-17025 accredited calibration laboratory.

Cert # L-2325 Calibration



PRODUCT REFERENCE CHART

PNEUMATIC SERIES: GEN-X

| Part No. | Tool Model | Drive Size | Torque Range | RPM | Weight |
|----------|------------|------------|-------------------|-----|-----------|
| 12814 | 7GX | 0.75" | 100-700 ft/lbs. | 30 | 8.0 lbs. |
| 12818 | 10GX | 0.75" | 200-1000 ft/lbs. | 20 | 8.0 lbs. |
| 17328 | 15DX | 1.0" | 300-1500 ft/lbs. | 10 | 8.6 lbs. |
| 12377 | 25GX | 1.0" | 500-2500 ft/lbs. | 9 | 13.5 lbs. |
| 12356 | 34GX | 1.0" | 1000-3400 ft/lbs. | 12 | 20.0 lbs. |
| 15328 | 60DX | 1.5" | 2000-6000 ft/lbs. | 6.6 | 27.6 lbs. |
| 12383 | 85GX | 1.5" | 3000-8500 ft/lbs. | 4.5 | 38.5 lbs. |

PNEUMATIC SERIES: CLASSIC

| Part No. | Tool Model | Drive Size | Torque Range | RPM | Weight |
|----------|------------|------------|-------------------|-----|-----------|
| 12316 | 350SL | 0.75" | 50-350 ft/lbs. | 65 | 6.0 lbs. |
| 12342 | 1800NG | 1.0" | 500-1800 ft/lbs. | 13 | 12.5 lbs. |
| 12357 | 50 | 1.5" | 1500-5000 ft/lbs. | 8 | 28.0 lbs. |

PNEUMATIC SERIES: WHEEL NUT BOLTING SERIES

| Part No. | Tool Model | Drive Size | Torque Range | RPM | Weight |
|----------|-------------|------------|------------------|-----|-----------|
| 13495 | 7GX-R | 0.75" | 300-700 ft/lbs. | 115 | 12.0 lbs. |
| 13477 | 1800NGX-R | 1.0" | 500-1800 ft/lbs. | 10 | 27.5 lbs. |
| 13691 | 10GX-NX KIT | 0.75" | 200-1000 ft/lbs. | 20 | 8.0 lbs. |

ELECTRONIC SERIES: E-RAD

| Part No. | Tool Model | Drive Size | Torque Range | RPM | Weight |
|----------|------------|------------|-------------------|-----|-----------|
| 14991 | E-RAD 700 | 0.75" | 100-700 ft/lbs. | 20 | 12.0 lbs. |
| 12313 | E-RAD 1200 | 1.0" | 200-1200 ft/lbs. | 16 | 15.0 lbs. |
| 12314 | E-RAD 2000 | 1.0" | 250-2000 ft/lbs. | 7 | 18.0 lbs. |
| 15710 | 2500 COMP | 1.0" | 250-2500 ft/lbs. | 5.5 | 18.0 lbs. |
| 12703 | E-RAD 3000 | 1.0" | 500-3000 ft/lbs. | 5.5 | 23.5 lbs. |
| 13992 | E-RAD 4000 | 1.5" | 800-4000 ft/lbs. | 3.5 | 31.0 lbs. |
| 15952 | E-RAD 6000 | 1.5" | 1500-6000 ft/lbs. | 4 | 29.0 lbs. |

ELECTRIC SERIES: V-RAD

| Part No. | Tool Model | Drive Size | Torque Range | RPM | Weight |
|----------|------------|------------|------------------|-----|-----------|
| 13497 | V-RAD 4 | 0.75" | 100-400 ft/lbs. | 34 | 10.0 lbs. |
| 12899 | V-RAD 10 | 0.75" | 300-1000 ft/lbs. | 9 | 11.0 lbs. |
| 12389 | V-RAD 16 | 1.0" | 500-1600 ft/lbs. | 7 | 15.0 lbs. |
| 13501 | V-RAD 23 | 1.0" | 800-2300 ft/lbs. | 4 | 15.0 lbs. |

BATTERY SERIES: B-RAD

| Part No. | Tool Model | Drive Size | Torque Range | RPM | Weight |
|----------|--------------|------------|------------------|------|-----------|
| 20086 | B-RAD 500 | 0.75" | 225-475 ft/lbs. | 4.7 | 8.4 lbs. |
| 20092 | B-RAD 500-2 | 0.75" | 200-500 ft/lbs. | 28.9 | 10.4 lbs. |
| 20087 | B-RAD 1000 | 0.75" | 400-1000 ft/lbs. | 2.7 | 8.8 lbs. |
| 20093 | B-RAD 1000-2 | 0.75" | 400-1000 ft/lbs. | 11.5 | 10.8 lbs. |
| 20088 | B-RAD 1500 | 1.0" | 600-1500 ft/lbs. | 1.8 | 9.2 lbs. |
| 20094 | B-RAD 1500-2 | 1.0" | 600-1500 ft/lbs. | 9.4 | 11.2 lbs. |

DIGITAL V-RAD SERIES

| Part No. | Tool Model | Drive Size | Torque Range | RPM | Weight |
|----------|-------------|------------|-------------------|-----|-----------|
| 16120 | DV-RAD 1000 | 0.75" | 400-1000 ft/lbs. | 7.7 | 11.4 lbs. |
| 16121 | DV-RAD 1500 | 1.0" | 600-1500 ft/lbs. | 5.8 | 12.0 lbs. |
| 16122 | DV-RAD 2500 | 1.0" | 1000-2500 ft/lbs. | 3.2 | 13.6 lbs. |

DIGITAL B-RAD SERIES

| Part No. | Tool Model | Drive Size | Torque Range | RPM | Weight |
|----------|-------------|------------|------------------|-----|-----------|
| 16821 | DB-RAD 500 | 0.75" | 100-500 ft/lbs. | 26 | 11.0 lbs. |
| 16822 | DB-RAD 1000 | 0.75" | 250-1000 ft/lbs. | 12 | 11.6 lbs. |
| 16823 | DB-RAD 1500 | 1.0" | 500-1500 ft/lbs. | 8 | 11.8 lbs. |



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