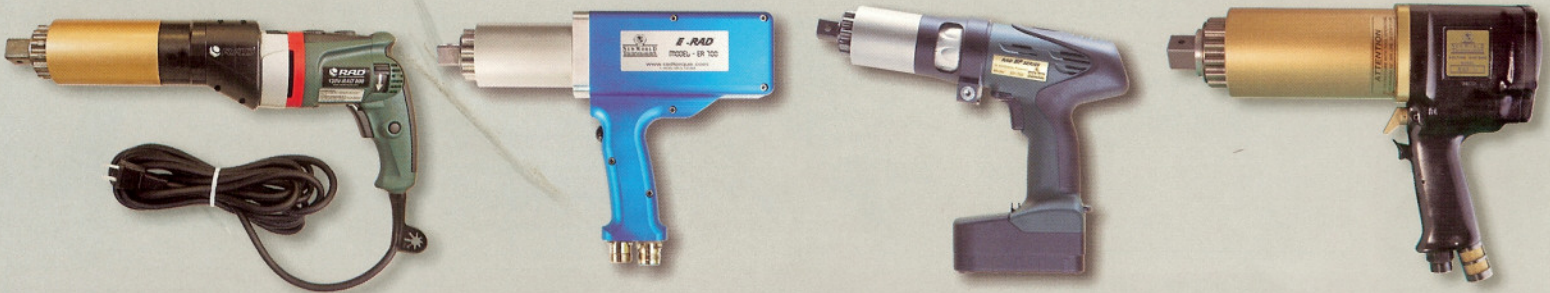


THE INDUSTRY STANDARD...BELIEVE IT!

PNEUMATIC

BATTERY

ELECTRIC



LEADING MANUFACTURER OF
ADVANCED TORQUE SYSTEMS

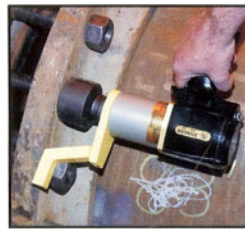
RAD[®] CLASSIC SERIES

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 delivering one of the highest power-to-weight ratios of any pneumatic controlled bolting system*
- ✓ *Smooth continuous flow of controlled torque eliminating destructive hammering*
- ✓ *Lightweight ergonomic pistol grip design reducing operator strain and injury; resulting in increased productivity*
- ✓ *Controlled torque – accuracy of +/-5%, and repeatability of +/-2%*



Unmatched accuracy through precision engineering and design

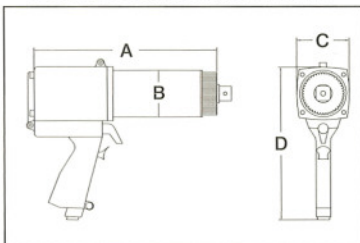


RAD[®] 475SL



RAD[®] 2400NG

CLASSIC SERIES DIMENSIONS



All RAD[®] Pneumatic Series tools include reaction arm, 12' hose & fittings, aluminum regulator cage

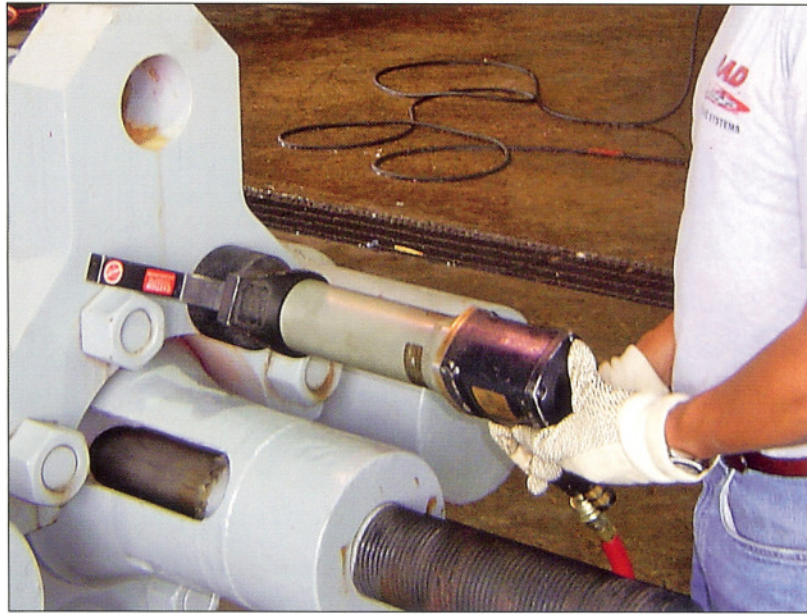


RAD[®] 6800

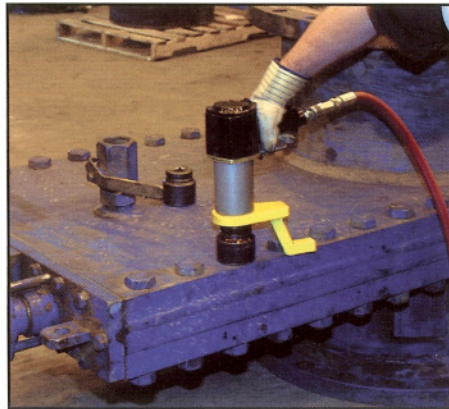
PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE (Nm)		RPM	WEIGHT (Kg)	NOISE LEVEL	DIMENSION A	DIMENSION B	DIMENSION C	DIMENSION D
			LOW	HIGH							
13573	475SL	0.75"	70	475	65	2.7	80 db	167mm	60mm	69mm	222mm
13579	750SL	0.75"	150	750	35	2.9	80 db	185mm	60mm	69mm	222mm
13543	1100NG	0.75"	200	1100	30	4.3	85 db	196mm	72mm	83mm	241mm
13553	1900NG	1.0"	400	1900	15	5.6	85 db	228mm	76mm	83mm	241mm
13559	2400NG	1.0"	700	2450	10	5.6	85 db	228mm	76mm	83mm	241mm
13567	4000	1.0"	1400	4050	14	9.2	85 db	335mm	78mm	93mm	264mm
13577	6800	1.5"	2000	6800	7	12.7	85 db	353mm	101mm	93mm	264mm

RAD® HIGH SPEED SERIES

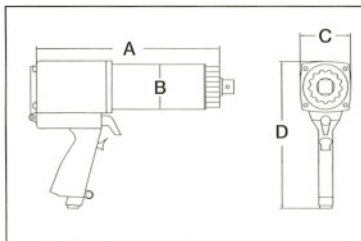
Introduced to compliment the RAD® classic series torque wrenches, **RAD® HIGH SPEED SERIES** torque wrenches offer the same reliable and dependable solution for the installation and removal of heavy-duty fasteners where accuracy, power, and safety are required. **RAD® HIGH SPEED SERIES** torque wrenches incorporate a precision engineered *high speed* gear box designed for faster run down on time sensitive bolting applications reaching speeds as high as 300 rpm.



Extreme torque with high RPM productivity



HIGH SPEED SERIES DIMENSIONS



Torque (Nm)	Pressure (PSI)
200	30
250	37
300	45
350	52
400	60
450	68
500	76
550	85

All RAD® Pneumatic Series tools include a laminated torque/PSI chart, assuring maximum accuracy and performance



RAD® 475SL-2



RAD® 1100NG-2



RAD® 1900NG-2

PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE (Nm)		RPM	WEIGHT (Kg)	NOISE LEVEL	DIMENSION A	DIMENSION B	DIMENSION C	DIMENSION D
			LOW	HIGH							
13575	475SL-2	0.75"	150	475	300	3.7	80 db	228mm	60mm	69mm	222mm
13581	750SL-2	0.75"	275	750	170	4.0	80 db	241mm	60mm	69mm	222mm
13545	1100NG-2	0.75"	400	1100	170	5.2	85 db	247mm	72mm	83mm	241mm
13555	1900NG-2	1.0"	700	1900	53	7.2	85 db	292mm	76mm	83mm	241mm
13561	2400NG-2	1.0"	950	2450	53	7.2	85 db	292mm	76mm	83mm	241mm
13569	4000-2	1.0"	1900	4050	55	11.3	85 db	398mm	78mm	86mm	264mm

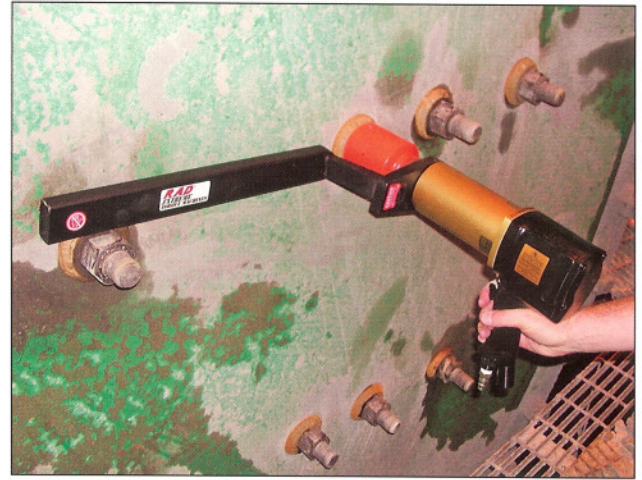
Accuracy of +/-5%, Repeatability of +/-2%

RAD[®] GEN-X SERIES

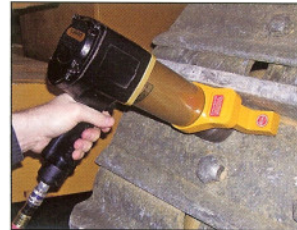
Precision design and engineering has brought about the next generation in torque wrenches – the **RAD[®] GEN-X SERIES**

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



Extreme Duty Torque Wrenches for Heavy Duty Applications



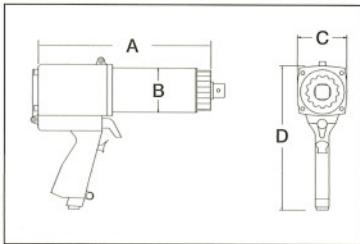
RAD[®] 14GX



RAD[®] 34GX



RAD[®] 46GX



All RAD[®] Pneumatic Series tools include reaction arm, 12' hose & fittings, aluminum regulator cage

PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE (Nm)		RPM	WEIGHT (Kg)	NOISE LEVEL	DIMENSION A	DIMENSION B	DIMENSION C	DIMENSION D
			LOW	HIGH							
13539	New 10GX	0.75"	150	950	30	3.6	80 db	228mm	63mm	69mm	228mm
13549	New 14GX	0.75"	275	1350	20	3.6	80 db	228mm	63mm	69mm	228mm
13565	34GX	1.0"	1100	3400	8	6.1	85 db	246mm	77mm	83mm	241mm
13571	46GX	1.0"	1400	4600	12	9.0	85 db	325mm	86mm	93mm	264mm
13547	New 115GX	1.5"	4100	11500	4.5	17.4	85 db	431mm	120mm	127mm	279mm

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

RAD® 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. The extended nose with available custom reaction arms make this tool ideal for reaching wheel nut studs that are recessed where tool clearance is a problem.

- ✓ Extend drive and reaction for safety and ergonomics
- ✓ Removable custom reaction arms designed to fit virtually any wheel configuration



RAD® 14GX-R

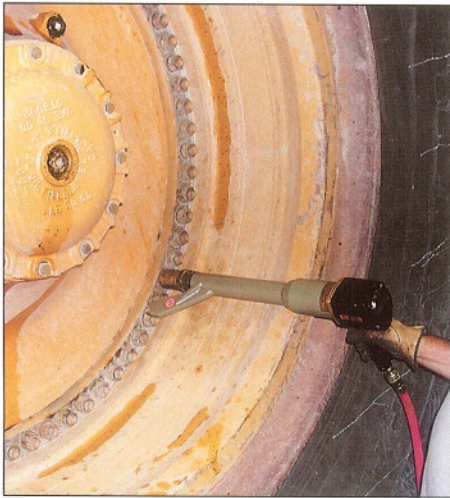


New Custom Reaction Arms Available

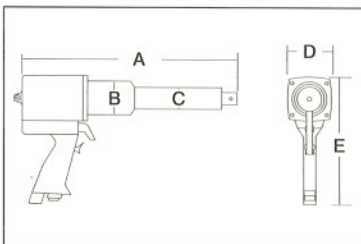
PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE (Nm)		RPM	WEIGHT (Kg)	NOISE LEVEL	DIMENSION A	DIMENSION B	DIMENSION D	DIMENSION E
			LOW	HIGH							
13541	10GX-R	0.75"	200	950	115	5.4	80 db	368mm	63mm	69mm	228mm
13551	14GX-R	0.75"	275	1350	80	5.4	80 db	368mm	63mm	69mm	228mm

RAD® OTR MINING SERIES

#1 Choice for Mines Worldwide



GX-R SERIES DIMENSIONS



The **RAD® OTR MINING SERIES** of wheel nut bolting systems were developed exclusively for extreme duty maintenance of mining haul trucks from 50-400 ton capacities and front end loaders. The extended nose allows safe access of virtually all wheel configurations found on today's heavy equipment.



RAD® 1900NGX-R



Custom Reaction Arms Available

PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE (Nm)		RPM	WEIGHT (Kg)	NOISE LEVEL	DIMENSION A	DIMENSION B	DIMENSION C	DIMENSION D	DIMENSION E
			LOW	HIGH								
13557	1900NGX-R	1.0"	400	1900	14	12.4	85 db	546mm	76mm	50mm	83mm	241mm
13563	2400NGX-R	1.0"	700	2450	10	12.4	85 db	546mm	76mm	50mm	83mm	241mm

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

RAD BATTERY SERIES

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. The **RAD BATTERY SERIES** are available in single speed and high speed models.



Just imagine the freedom....

No Air Lines! No Power Cords! No Hassles!

Patented Extreme Duty Planetary Gear Drive

Quick Grip to Adjust Torque Setting



Easy View Torque Settings & Reference Chart

Setting	Torque	Setting	Torque
4	100	10	225
5	115	11	255
6	130	12	275
7	145	13	300
8	175	14	330
9	200	15	335
		16	350

Cat. Date: 5/4/2005 Serial #B10181

Located on gear box



All B-RAD tools come fully calibrated complete with:

- B-RAD Tool
- Reaction Arm and Retention Ring
- Two 18 volt batteries
- Battery charger
- Operators manual
- Calibration Chart
- Weatherproof Pelican Storage Case

Quick Release Fastener for Rapid Gear Box or Motor Change

Convenient Forward/Reverse Switch

Soft Start Trigger for Safety

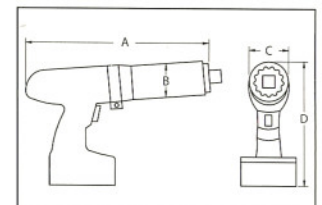
Quick Change Ultra-Life 18V Battery Pack (up to 200 bolts per charge)

Precision Adjustable Posi-Clutch for Accurate Torque Output

Ergonomic Pistol Grip Handle



BATTERY SERIES DIMENSIONS



Patent Pending

PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE (Nm)		WEIGHT (Kg)	DIMENSION A	DIMENSION B	DIMENSION C	DIMENSION D
			LOW	HIGH					
13528	B-RAD 475	0.75"	150	475	4.0	292mm	60mm	71mm	266mm
13520	B-RAD 950	0.75"	400	950	4.3	323mm	60mm	71mm	266mm
13522	B-RAD 950-2	0.75"	400	950	4.9	387mm	63mm	76mm	260mm
13524	B-RAD 1750	1.0"	550	1750	6.8	355mm	76mm	76mm	266mm
13526	B-RAD 1750-2	1.0"	550	1750	7.7	438mm	76mm	76mm	260mm

BATTERY SERIES

RAD® E SERIES

RAD® E SERIES are the world's most advanced electronic pistol grip torque wrenches. They are designed to provide a high degree of accuracy and repeatability using our legendary gear box design and the precision of an electronic motor. Capable of data collection, angle measurement, accuracy of +/-3%, and torque values up to 4050 Nm, **RAD® E SERIES** offer an affordable solution for electronic bolting needs.

- ✓ **Push-button select torque**
Fast and convenient error-free digital single increment torque settings
- ✓ **Digital torque console display**
Maximum accuracy by seeing the set torque value and the actual delivered torque value
- ✓ **Lightweight and Ergonomic pistol 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 and standards
- ✓ **LED Green (Pass) or Red (Fail) indicator lights**
unmistakable visual signal indicates status of torque procedure for maximum accuracy and speed

Model E-RAD 950



Model E-RAD 2700



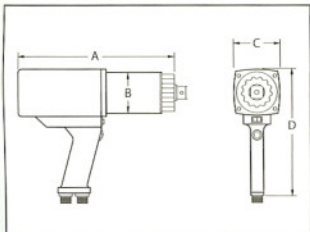
Precision Bolting...High Torque Assembly Solution...

Digital Torque Console Display



User friendly controls allows for quick and efficient torque adjustments. The backlit LCD display with three units of selectable measurement (Ft. /lbs, Nm, Kgf.m) provides optimum visibility and accuracy.

ELECTRIC SERIES DIMENSIONS



Patent Pending



L.E.D. light display indicates that the torque cycle has been successfully completed.

All E Series tools come fully calibrated complete with:

- E-RAD Tool
- All necessary cables
- Operators manual
- Reaction Arm and Retention Ring
- Digital Torque Control Console
- E-RADCAL-103 Calibration Software



E Series Digital Torque Control Console with torque controls and digital display enclosed in a weatherproof case for harsh environments.

E Series Digital Torque Control Consoles are available in two configurations



E Series Digital Torque Control Console with upright heavy duty steel case, front mounted torque controls and digital display.

PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE (Nm)		WEIGHT (Kg)	DIMENSION A	DIMENSION B	DIMENSION C	DIMENSION D
			LOW	HIGH					
13531	E-RAD 950	0.75"	400	950	5.4	298mm	60mm	63mm	241mm
13533	E-RAD 1600	1.0"	400	1600	6.8	323mm	66mm	82mm	241mm
13535	E-RAD 2700	1.0"	675	2700	8.1	336mm	76mm	88mm	254mm
13537	E-RAD 4000	1.0"	675	4050	10.6	393mm	86mm	88mm	254mm

Accuracy of +/-3%

RAD® V SERIES

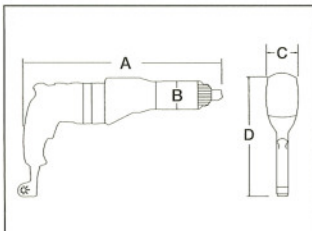
RAD V SERIES are a new generation of electric torque wrenches used for the installation or removal of heavy duty fasteners where accuracy, power, and safety are required. This series comes without the hassle of air hoses and simply runs when plugged into any electric power supply, including generators. Based on the design of our patented planetary gear reduction system, the **RAD V SERIES** offers a smooth continuous flow of controlled torque which is adjustable through dial settings.

- ✓ **Quick adjust torque settings**
Fast and accurate "dial a torque" for maximum versatility and efficiency
- ✓ **Soft-start vary speed trigger**
Allows operator to safely and quickly set reaction arm before full torque is applied
- ✓ **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 designed to reduce maintenance cost and increase reliability

Maximum versatility and efficiency...



V SERIES DIMENSIONS



PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE (Nm)		WEIGHT (Kg)	DIMENSION A	DIMENSION B	DIMENSION C	DIMENSION D
			LOW	HIGH					
13589	V-RAD 6	0.75"	150	550	4.5	431mm	63mm	76mm	215mm
13583	V-RAD 14	0.75"	400	1350	4.9	457mm	63mm	76mm	215mm
13585	V-RAD 21	1.0"	700	2150	6.8	482mm	76mm	76mm	215mm
13587	V-RAD 31	1.0"	1100	3100	6.8	495mm	76mm	76mm	215mm

REACTION ARM SELECTION CHART



* weldable

* weldable

TOOL SERIES	STANDARD <i>(Included with tool)</i>	DEEP SOCKET	DOUBLE ENDED ARM	BLANK	DOUBLE ENDED BLANK
RAD 475/750	10686	10687	10688	10036	10037
RAD 1100	10043	10458	10459	10044	10045
RAD 1900/2400	10004	10007	10009	10005	10008
RAD 4000	10022	10025	10027	10024	10026
RAD 6800	10039	10401	10403	10040	10402
RAD 10/14GX	13366	13367	13368	13364	13365
RAD 34GX	10514	10515	10516	10513	10448
RAD 46GX	11531	11534	11533	11530	11532
RAD 115GX	12885	13508	13509	13505	13506
RAD 1900/2400NGX-R	13484	13515	13516	13513	13514
B-RAD 475	10686	10687	10688	10036	10037
B-RAD 950	11460	11461	11463	11459	11462
B-RAD 1750	10004	10007	10009	10005	10008
E-RAD 950	11460	11461	11463	11459	11462
E-RAD 1600	10004	10007	10009	10005	10008
E-RAD 2700	10247	10395	10397	10394	10396
E-RAD 4000	11531	11534	11533	11530	11532
V-RAD 6	10686	10687	10688	10036	10037
V-RAD 14	13366	13367	13368	13364	13365
V-RAD 21	10004	10007	10009	10005	10008
V-RAD 31	10514	10515	10516	10513	10448

* 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



ACCESSORIES



Part Number
10788

RCA-3000 R
Torque Range 200-4050Nm
Accuracy +/- .25%

RAD-CAL Digital Joint Simulating Torque Analyzers



All RAD® pneumatic torque wrenches are individually calibrated on our exclusive "RAD-CAL" dynamic joint simulator torque analyzer



Part Number
10787

RCA-5000
Torque Range 700-6800Nm
Accuracy +/- .25%



Part Number
10786

RCA-3000
Torque Range 400-4050Nm
Accuracy +/- .25%



Part Number
10785

RCA-1000
Torque Range 150-1350Nm
Accuracy +/- .25%

ELECTRIC SERIES

All E-RAD tools come fully calibrated complete with

- E-RAD Tool
- All necessary cables
- Operators manual
- Reaction Arm and Retention Ring
- Digital Torque Control Console
- E-RADCAL-103 Calibration Software



E-RAD Digital Torque Control Console with torque controls and digital display enclosed in a weatherproof case for harsh environments.

You may order your E-RAD Digital Torque Control Consoles in two different configurations



E-RAD Digital Torque Control Console with upright heavy duty aluminum case, top mounted torque controls and digital display.

BATTERY SERIES



B-RAD TOOL KIT

All B-RAD tools come fully calibrated complete with

- B-RAD Tool
- Two 18 volt batteries
- Operators manual
- Weatherproof Pelican Storage Case
- Reaction Arm and Retention Ring
- Battery charger
- Calibration Chart



Part #11009

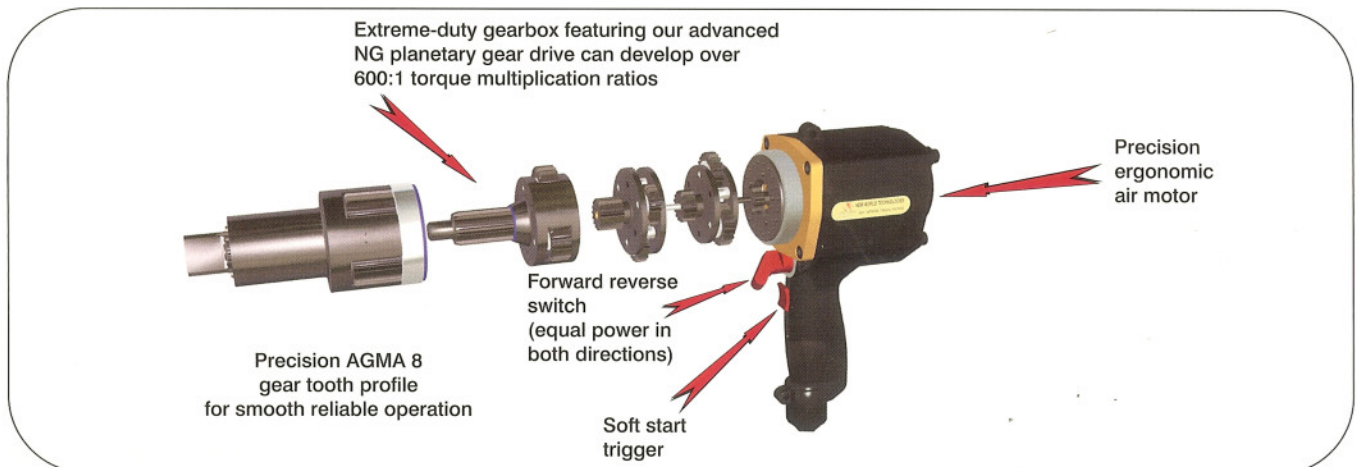


B-RAD Rapid Charge
15 minute charge time!

Part #11440



B-RAD Car Charger



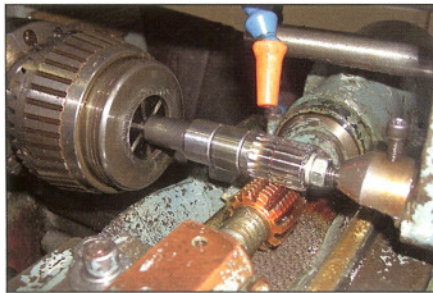
RAD® pneumatic torque wrenches incorporate our PATENTED Planetary Gear Reduction Drive Systems to produce the highest power-to-weight ratio of any pneumatic controlled bolting system in the world today!

UNMATCHED IN QUALITY, PERFORMANCE, & SAFETY



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.



MAXIMUM FLEXIBILITY AND RESPONSIVENESS, ENSURING OUR CUSTOMERS RECEIVE OUTSTANDING SERVICE



Power



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



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



Safety



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.



www.radtorque.com

1-800-983-0044



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THE INDUSTRY STANDARD...BELIEVE IT!

**MINING
OIL & GAS
AEROSPACE
PETROCHEMICAL
MANUFACTURING**



200406

