



PRECISION BOLTING FOR OVER **25 YEARS**

LIGHTER
FASTER
STRONGER

IMPERIAL PRODUCT **CATALOGUE**



RAD TORQUE SYSTEMS



RAD SINGLE SPEED



DB-RAD BATTERY SERIES



RAD TV SERIES



Precision Bolting
for **over 25 Years**

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COMPANY PROFILE



Welcome to RAD Torque Systems. We are the leading Canadian manufacturer of extreme torque equipment, which includes pneumatic, battery powered, and electronic pistol grip torque wrenches. With more than 25 years in the industry, we're proud to say that we're Canadian owned and operated. We manufacture all of our tools in Abbotsford, BC, which gives us greater control over every piece that goes into our products. We don't just give you a great tool; we ensure its quality from conception through to production and even years after its initial use. The RAD Torque Systems philosophy has proven to be successful all over the world in such industries as oil & gas, petrochemical, mining, aerospace, power generation and manufacturing.

Our parent company, New World Technologies Inc., continues to invest in and employ the latest technology to achieve the highest level of innovation, quality, and performance – which has resulted in multiple patents. New World's extensive in-house machining facilities ensure maximum flexibility and responsiveness enabling quick deliveries and customer satisfaction.

RAD TORQUE SYSTEMS:

- 14 CNC Machining Centers (Okuma and HAAS Systems)
- 10 Gear Cutting Machines (Working to AGMA Standards)
- CAD and CAM Processing (Solid Works and Master Cam)
- 10 Professional Engineers (Mechanical and Electronics)
- Multiple Offices & Worldwide Distribution
- ISO 17025 Accreditation (Cert # L-2325 Calibration)
- Built for Maximum Flexibility and Responsiveness
- New Research & Development Facility (Phantom Works)

New World Technologies Inc is an
ISO 17025 accredited calibration laboratory.



RAD PNEUMATIC SERIES



All RAD Pneumatic tools include:

- Reaction arm & retaining ring
- Tool holder with FRL unit, 12' hose and fittings
- Safety instruction and operators manual on USB Flash Drive
- Calibrated to ISO 17025 standards



PATENTED TECHNOLOGY
PRECISION DESIGN
LIGHTWEIGHT + ERGONOMIC

RAD SINGLE SPEED

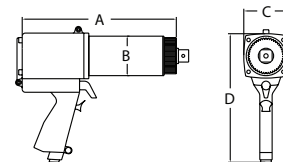
Extreme duty torque wrenches for heavy duty applications!
Also available with built-in transducers - visit the RAD TV Series!

More than 25 years of experience in gearbox engineering and design has brought about our latest generation in planetary gearboxes – RAD Single Speed. Designed for extreme duty use in a variety of industries worldwide, RAD Single Speed 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 +/- 4% and repeatability of +/- 2%

FRL Unit:

- Low weight tool holder made from high-density polypropylene
- Includes pressure gauge, filter, regulator and oiler



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	80 db	6.6"	2.4"	2.75"	8.75"
12814	7GX	0.75"	100	700	30	8	80 db	9.0"	2.5"	2.75"	9.0"
12818	10GX	0.75"	200	1000	20	8	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"
22238	30DX	1.0"	900	3000	8	14.8	85 db	10"	3.2"	3.3"	9.5"
12356	*34GX	1.0"	1000	3400	12	20	85 db	12.5"	3.4"	3.7"	10.8"
20248	50DX	1.5"	1500	5000	6.7	23.5	85 db	11.25"	3.75"	3.75"	10.4"
15328	60DX	1.5"	2000	6000	6.6	27.6	85 db	13.7"	4.0"	4.0"	10.9"
18558	80DX	1.5"	2500	8000	4	30.5	85 db	12.15"	4.25"	4.25"	10.65"
26152	110DX	1.5"	4000	11000	3	42	85 db	13.9"	5.0"	5.0"	11.07"

RAD HIGH SPEED

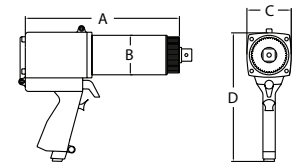
Extreme duty torque wrenches with high RPM productivity

RAD High Speed torque wrenches incorporate a precision-engineered high-speed gearbox designed for faster run down and quick reaction point positioning on time sensitive bolting applications.

- The two-speed models feature a unique full automatic gearbox design, eliminating the time consuming switch between high and low speed gear.

FRL Unit:

- Low weight tool holder made from high-density polypropylene
- Includes pressure gauge, filter, regulator and oiler



PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE (ft. lbs.)		RPM	WEIGHT (lbs.)	NOISE LEVEL	DIMENSION A	DIMENSION B	DIMENSION C	DIMENSION D
			LOW	HIGH							
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"
24950	30DX-2	1.0"	1000	3000	49	16.1	80 db	12.2"	3.2"	2.75"	9.5"

Accuracy of +/-4%, Repeatability of +/-2%

RAD TRANSDUCER VERIFICATION

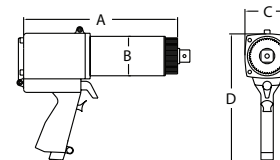
RAD Pneumatic torque wrench with a built in transducer for verification and traceability! With strain gauge technology, you can record every bolt cycle.

The RAD Transducer Verification (TV) solves an ongoing problem in the bolting industry: incorrect air supply and wrong tool operation can cause differences in torque output of your tools. With RAD's TV wrench, the operator gets a clear visual indication whether the actual torque is deviating from the set target torque, therefore reducing errors in the bolting process. At the same time very high torque accuracy can be achieved when using the real time Bluetooth torque-graphing mode.

- Easy data logging and collection
- Pass or Fail indicator light on the tool
- Bluetooth connectivity to your smart phone or tablet
- Measured Torque - accuracy of +/-1% on transducer

FRL Unit:

- Low weight tool holder made from high-density polypropylene
- Includes pressure gauge, filter, regulator and oiler



PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE (ft. lbs.)		RPM	WEIGHT (lbs.)	NOISE LEVEL	DIMENSION A	DIMENSION B	DIMENSION C	DIMENSION D
			LOW	HIGH							
21953	7GX-R TV	0.75"	300	700	30	12	80 db	12.5"	2.5"	2.75"	9.0"
22076	10GX TV	0.75"	200	1000	20	8	80 db	9.5"	2.5"	2.75"	8.07"
22885	15DX TV	1.0"	300	1500	10	8.6	80 db	9.2"	2.7"	2.75"	8.1"
21357	34GX TV	1.0"	1000	3400	12	20	85 db	13.5"	3.4"	3.7"	10.5"

RAD WHEEL NUT & OTR MINING

Accidents caused by incorrectly tightened wheel nuts are a serious problem. That's why the RAD Wheel Nut Bolting was designed with one job in mind: wheel nut bolting where torque control is a must.

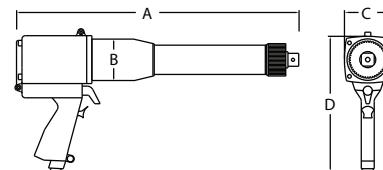
RAD planetary gear torque wrenches are vibration free and have the accuracy to prevent accidental under- and over-tightening. The nose extensions are ideal for reaching wheel nut studs that are recessed and have tight clearances.

- Removable custom reaction arms designed to fit virtually on any wheel configuration
- Extended reaction point for safe and quick operation
- Accuracy to ensure correct tightened wheels



The nose extension (-R) 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.

The nose extension kit (-NX) Designed with flexibility in mind. Complete with 3 different reaction arms and a nose extension for hard-to-reach areas, the NX Kit is a "go anywhere" tool capable of a variety of applications but especially suitable for off-road construction equipment.



PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE (ft. lbs.)		RPM	WEIGHT (lbs.)	NOISE LEVEL	DIMENSION A	DIMENSION B	DIMENSION C	DIMENSION D	DIMENSION E
13495	7GX-R	0.75"	300	700	115	12	80 db	14.5"	2.5"	2.0"	2.75"	9.0"
13691	10GX-NX	0.75"	200	1000	20	8	80 db	8.15"	2.5"	n/a	2.75"	8.07"
20810	15NDX-R	1.0"	300	1500	10	16	80 db	21.35"	2.7"	2.7"	2.75"	8.02"
19339	15DX-NX	1.0"	300	1500	10	8.6	80 db	8.0"	2.7"	n/a	2.75"	8.1"
13477	1800NGX-R	1.0"	500	1800	10	27.5	85 db	21.5"	3.0"	2.0"	3.3"	9.5"

Accuracy of +/-4%, Repeatability of +/-2%

E-RAD BLU SERIES



All E-RAD BLU Tool Kits Include:

- Reaction arm & retaining ring
- E-RAD Tool Handle
- E-RAD Touch Controller
- Single 15' Cable
- Calibrated to ISO 17025



ADVANCED ELECTRONICS
HIGH DEGREE OF ACCURACY
DATA COLLECTION

E-RAD **BLU**

Ability to use different handles per controller case!

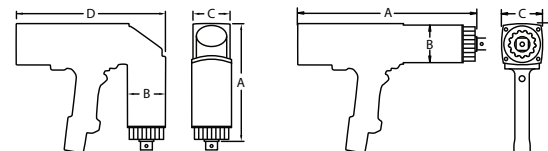
The system of choice for the wind industry, the E-RAD BLU precision torque wrench tools are designed to provide a high degree of accuracy (+/- 2.8%) and repeatability (+/- 2%). Using a patented gearbox design and the precision of an electric AC Servo motor, these tools deliver smooth continuous torque. Best of all, it's the most affordable system on the market.



E-RAD BLU TOUCH CONTROL CASE

The touch screen control case provides an easy to use interface that allows for pre-selectable presets, quick error-free torque and angle adjustments, complete recalibrations as well as data logging everything for easy export into spreadsheets on your laptop.

RAD SMART SOCKETS™ can connect to the E-RAD BLU tool via Bluetooth technology. This combination allows you to automatically calibrate your E-RAD BLU to any joint!



PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE (ft. lbs.)		RPM	WEIGHT (lbs.)	DIMENSION A	DIMENSION B	DIMENSION C	DIMENSION D
21980	E-RAD BLU 700	0.75"	100	700	20	12	13.25"	2.5"	3.0"	10.65"
24161	E-RAD BLU 1500	1.0"	200	1500	9	13	13.28"	2.7"	3.0"	10.65"
21981	E-RAD BLU 2500 COMP	1.0"	250	2500	5.5	18	14.8"	3.0"	3.0"	10.65"
24221	E-RAD BLU 2500 COMP - 90 Degree	1.0"	250	2500	6	18	9.65"	3.0"	3.1"	11.83"
21982	E-RAD BLU 3000	1.0"	500	3000	5.5	23.5	16.75"	3.4"	3.5"	11.29"
21983	E-RAD BLU 6000	1.5"	1500	6000	4	29	16.5"	4.0"	3.5"	11.29"
21984	E-RAD BLU 7500	1.5"	1500	7500	1.5	33	17.0"	4.25"	4.25"	11.29"
24234	*E-RAD BLU 11K	1.5"	3000	11000	1.3	43	18.3"	5.0"	5.0"	11.29"

Accuracy of +/-3%, Repeatability of +/-2%

*Also available in a 2.5" square drive.

RAD TORQUE SYSTEMS

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E-RAD **BLU-S**

Supreme Transducer Technology with High Accuracy.

The E-RAD BLU-S is the newest addition to the E-RAD BLU product line from RAD. Equipped with a transducer, the E-RAD BLU-S allows for the highest accuracy on the market and features operator identification, which ensures traceability of each torque sequence performed. With a pass/fail indicator on both sides, and password protection, you'll be sure you're getting controlled and accurate torquing.



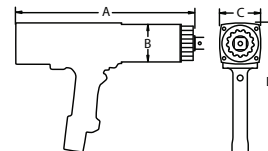
E-RAD BLU TOUCH CONTROL CASE

The touch screen control case provides an easy to use interface that allows for pre-selectable presets, quick error-free torque and angle adjustments, complete recalibrations as well as data logging everything for easy export into spreadsheets on your laptop.

RAD SMART SOCKETS™ can connect to the E-RAD BLU tool via Bluetooth technology. This combination allows you to automatically calibrate your E-RAD BLU to any joint!



Transducer



PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE (ft. lbs.)		RPM	WEIGHT (lbs.)	DIMENSION A	DIMENSION B	DIMENSION C	DIMENSION D
			LOW	HIGH						
30079	E-RAD BLU 700-S	0.75"	100	700	15	13	14.96"	2.84"	3.03"	10.65"
28836	E-RAD BLU 2500-S COMP	1.0"	250	2500	5	19	16.21"	3.41"	3.03"	10.65"
31190	E-RAD BLU 3000-S	1.0"	500	3000	5	24.5	17.76"	3.73"	3.48"	11.29"
31191	E-RAD BLU 6000-S	1.5"	1000	6000	2.1	30	17.71"	4.35"	3.48"	11.29"
31192	E-RAD BLU 7500-S	1.5"	1500	8000	1.5	34	18.53"	4.48"	3.48"	11.29"
29314	E-RAD BLU 11K-S	1.5"	3000	11,000	1.5	44	19.81"	5.21"	3.48"	11.29"

B-RAD BATTERY SERIES



Each B-RAD Battery Series Tool Includes:

- Reaction arm and retaining ring
- Charger and two 18V batteries
- Weatherproof storage case
- Calibrated to ISO 17025 standards
- Safety instructions on USB Flash Drive
- Operators Manual



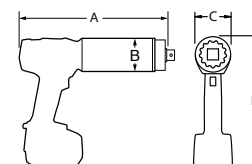
WORLD'S FIRST DIGITAL **BATTERY POWERED** TORQUE WRENCH

B-RAD **BL SELECT**

NEW! Torque ranges up to 5000 ft. lbs.

The newly designed B-RAD BL Select Series offers higher speed and longer battery life while incorporating a new torque display with buttons. The B-RAD BL Select allows the user to easily select the target torque. Patented Product.

- Now with digital torque settings, able to increase or decrease the value by 10 ft. lbs.
- Torque ranges up to 5000 ft. lbs.
- Equipped with the latest lithium-ion technology
- Suitable for pre-torque and service jobs where electricity or compressed air are not available
- Longer battery life as energy is used more efficiently



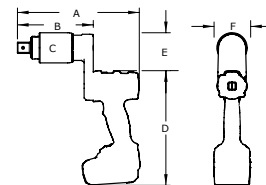
PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE (ft. lbs.) LOW	TORQUE (ft. lbs.) HIGH	RPM	WEIGHT (lbs.)	DIMENSION A	DIMENSION B	DIMENSION C	DIMENSION D
28283	B-RAD BL SELECT 500	0.75"	130	500	21.5	7.7	9.1"	2.5"	2.65"	10.3"
28285	B-RAD BL SELECT 1000	0.75"	200	1000	10.5	7.8	9.1"	2.5"	2.65"	10.3"
28286	B-RAD BL SELECT 1000-2	0.75"	200	1000	71	9.4	11"	2.5"	2.65"	10.3"
28287	B-RAD BL SELECT 1500	1.0"	300	1500	6	8.9	9.6"	2.7"	2.7"	10.3"
28288	B-RAD BL SELECT 1500-2	1.0"	300	1500	19.5	10.7	11.75"	2.7"	2.7"	10.3"
28289	B-RAD BL SELECT 3000	1.0"	600	3000	3	13.3	11.2"	3.2"	3.2"	10.5"
28290	B-RAD BL SELECT 3000-2	1.0"	600	3000	20	14.7	13.25"	3.2"	3.2"	10.5"
28291	B-RAD BL SELECT 5000	1.5"	1000	5000	2.1	19.3	11.6"	3.75"	3.75"	10.7"

B-RAD **BL SELECT OFFSET**

NEW! Offset gearboxes for tight spaces.

The newly designed B-RAD BL Select Offset Series offers more flexibility for those tight spaces. With higher speed and longer battery life while incorporating a new torque display with buttons. The B-RAD BL Select Offset allows the user to easily select the target torque. Patented Product.

- Now with digital torque settings, able to increase or decrease the value by 10 ft. lbs.
- Torque ranges up to 5000 ft. lbs.
- Equipped with the latest lithium-ion technology
- Suitable for pre-torque and service jobs where electricity or compressed air are not available
- Longer battery life as energy is used more efficiently



PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE (ft. lbs.)		RPM	WEIGHT (lbs.)	DIMENSION A	DIMENSION B	DIMENSION C	DIMENSION D	DIMENSION E	DIMENSION F
30002	B-RAD BL SELECT 500 OFFSET	0.75"	130	500	21.5	8.7	10.2"	6.1"	2.5"	10.3"	3.3"	3.3"
29572	B-RAD BL SELECT 1000 OFFSET	0.75"	200	1000	10.5	8.8	10.3"	6.1"	2.5"	10.3"	3.3"	3.3"
30004	B-RAD BL SELECT 1500 OFFSET	1.0"	300	1500	6	9.9	10.9"	6.8"	2.7"	10.3"	3.4"	3.3"
30006	B-RAD BL SELECT 3000 OFFSET	1.0"	600	3000	3	14.3	12.3"	8.2"	3.2"	10.3"	3.6"	3.3"
30008	B-RAD BL SELECT 5000 OFFSET	1.5"	1000	5000	2.1	20.3	13.2"	9.1"	3.7"	10.3"	3.9"	3.3"

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

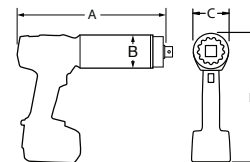
B-RAD **BL S**

NEW!

The highest accuracy on the market.

The newest addition to the B-RAD series is the B-RAD BL S. Equipped with a built-in transducer, the B-RAD BL S makes torquing and logging easier and more efficient than ever with its ability to read and display torque in real time. With torque and angle capabilities, the B-RAD BL S is ready for the most critical applications and will hold up to scrutiny on a variety of projects. The B-RAD BL S includes Bluetooth connectivity, torque check functionality, and automatic reaction arm release to minimize your downtime and maximize your torque output.

- Torque range up to 5,000 ft. lbs.
- New and improved battery life
- Bolt counter
- Brushless motor
- Password protection



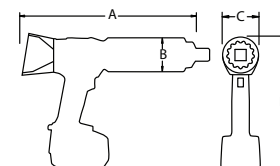
PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE (ft. lbs.)		RPM	WEIGHT (lbs.)	NOISE LEVEL	DIMENSION A	DIMENSION B	DIMENSION C	DIMENSION D
			LOW	HIGH							
31800	B-RAD BL 500 S	0.75"	50	500	21	9.2	85	12.25"	2.48"	2.75"	10"
31802	B-RAD BL 1000 S	0.75"	100	1000	9.6	9.4	85	12.25"	2.48"	2.75"	10"
31804	B-RAD BL 1500 S	1.0"	150	1500	5.6	10.8	85	12.63"	2.7"	2.75"	10"
31806	B-RAD BL 3000 S	1.0"	300	3000	3	15.9	85	13.25"	3.18"	3.18"	10.13"
31808	B-RAD BL 5000 S	1.5"	500	5000	1.9	21.7	85	14.25"	3.74"	3.74"	10.5"

DIGITAL B-RAD

Ideal for applications where compressed air is not available!
Up to 2 times faster than previous version!

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

- Available with torque and angle option
- Programmable preset torque settings
- Latest lithium-ion 18V battery technology
- High accuracy of +/-5%
- Automatic 2-speed gearbox
- Patented Product



PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE (ft. lbs.)		RPM	WEIGHT (lbs.)	NOISE LEVEL	DIMENSION A	DIMENSION B	DIMENSION C	DIMENSION D
			LOW	HIGH							
21779	DB-RAD 500-2	0.75"	50	500	59	11	80 db	12.67"	2.5"	2.5"	10.25"
21783	DB-RAD 1000-2	0.75"	100	1000	19	11.6	80 db	13"	2.5"	2.5"	10.25"
21787	DB-RAD 1500-2	1.0"	150	1500	17	11.8	80 db	13"	2.7"	2.7"	10.50"
24965	DB-RAD 3000-2	1.0"	300	3000	13	19.5	80 db	15.2"	3.2"	3.2"	10.5"

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

V-RAD ELECTRIC SERIES



All V-RAD Electrical Series Tool Includes:

- Reaction arm & retaining ring
- Weatherproof storage case
- Safety instructions and operators manual on USB Flash Drive
- Calibrated to ISO 17025 standards



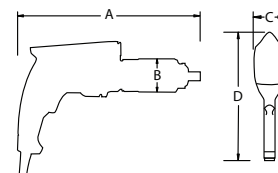
LIGHTWEIGHT + COMPACT **ELECTRIC POWERED** TORQUE WRENCH

V-RAD **SELECT**

Quick adjust torque settings.
Equal power in forward and reverse.

V-RAD Select 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. Equal power in forward and reverse.

- Now with digital torque settings, able to increase old decrease the value by 10 ft. lbs.
- Torque ranges up to 3,000 ft. lbs.
- Available in both 120V or 230V



PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE (ft. lbs.)		RPM	WEIGHT (lbs.)	DIMENSION A	DIMENSION B	DIMENSION C	DIMENSION D
25628	V-RAD SELECT 1000	0.75"	100	1000	5.5	11	12.65"	2.5"	2.75"	8.65"
25629	V-RAD SELECT 1500	1.0"	150	1500	5.5	12	13.5"	2.5"	2.75"	8.65"
25631	V-RAD SELECT 3000	1.0"	300	3000	3.8	13.5	15.25"	3.2"	3.2"	8.65"

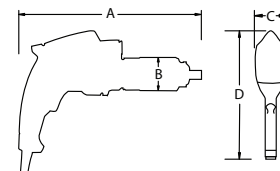
Accuracy of +/-5%, Repeatability of +/-2%

DIGITAL V-RAD

Electric Powered

Digital V-RAD torque wrenches are the extreme design innovation with fully programmable preset torque settings with torque range up to 2,500 ft. lbs. Smooth continuous flow of controlled torque with single increment torque settings.

- Digital display with colour screen
- Single increment digital torque settings
- Multilevel password protection
- Electronic bolt counter
- Patented legendary gearbox design
- "Pass/Fail" function
- Available in 110V and 220V version



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	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"

RAD AUDIT EQUIPMENT



All RAD Smart Sockets Include:

- Weatherproof storage case
- Plug & USB cord
- Calibration certificate to ISO 17025



INSTANT TORQUE READ-OUT REVOLUTIONARY

RAD SMART SOCKETS™

Instant torque read-out of your live application!
Strain gauge technology measures torque applied to bolt. Patented Product.

The RAD Smart Sockets™ use RAD Torque's transducer technology combined with a custom socket to measure the actual torque applied to the bolt during a torque cycle. By innovative design, the Smart Sockets™ is no larger than a standard socket. Its compact size and innovative technology makes the Smart Sockets™ a perfect audit tool for inspecting bolted joints and it can function as a master calibration for various torque tools.



- Measures and displays peak torque
- Full data collection - export to email by PDF, XLS, CSV
- View in real time via Bluetooth onto your smartphone or tablet
- Transducer accuracy of +/-1%

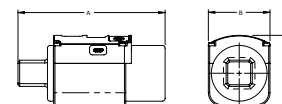


PART NUMBER	SMART SOCKET MODEL	TORQUE (ft. lbs.)		DRIVE SIZE	WEIGHT (lbs.)	DIMENSION	
		LOW	HIGH			HEIGHT	DIAMETER
20879	33mm SMART SOCKET™	150	1500	3/4"	2.65	3.94"	2.83"
21363	36mm SMART SOCKET™	150	1500	1"	2.65	3.94"	2.83"
22158	41mm SMART SOCKET™	150	1500	1"	2.65	3.42"	2.83"
20880	46mm SMART SOCKET™	150	1500	1"	2.65	3.42"	2.83"
20881	50mm SMART SOCKET™	300	3400	1"	3.20	3.50"	3.40"
20882	55mm SMART SOCKET™	300	3400	1"	3.20	3.50"	3.40"
20883	60mm SMART SOCKET™	300	3400	1"	3.20	3.50"	3.40"
23690	65mm SMART SOCKET™	800	8000	1.5"	8.7	4.75"	4.53"
20884	70mm SMART SOCKET™	800	8000	1.5"	8.7	4.75"	4.53"
20885	80mm SMART SOCKET™	800	8000	1.5"	8.7	4.75"	4.53"
25657	90mm SMART SOCKET™	800	12000	1.5"	12.8	5.15"	4.53"
25658	100mm SMART SOCKET™	800	12000	1.5"	15.9	5.75"	4.73"

RAD CALIBRATION SYSTEMS

The RAD Calibration Systems have earned their place in calibration laboratories worldwide because of their high accuracy and repeatability.

- Ranges up to 7,000 ft. lbs.
- Screen on Calibrator allows for convenient reading
- Connect to RAD Calibration Software via your computer or tablet
- Up to 1,500 ft. lbs. classified to BS 7882:2008 as Class 1 or better for the primary range (+/-0.5% of reading from 20% to 100% of full scale)
- Backward compatible with previous RAD calibration benches.



PART NUMBER	DESCRIPTION	TORQUE (ft. lbs.)		DRIVE SIZE	WEIGHT (lbs.)	DIMENSION A	DIMENSION B	DIMENSION C
		LOW	HIGH					
23442	RAD 1500 TRANSDUCER	75	1500	1.0"	4	5.6"	2.35"	2.7"
23443	RAD 3500 TRANSDUCER	175	3500	1.5"	10	6.75"	2.5"	4.0"
23444	RAD 7000 TRANSDUCER	350	7000	1.5"	11	6.75"	2.5"	4.0"

ACCESSORIES



LEADING THE
BOLTING INDUSTRY
IN SAFETY

RAD **SAFETY** **ACCESSORIES**

Ergonomics and safety are very important during the design phase of any new RAD tool. In addition to making the job more ergonomic and safe, we want our tools to be easy to use, powerful, accurate and very reliable. RAD believes safety features should not impede workplace efficiency and speed, but should make workers aware of the risks involved in working with powerful tools. RAD has developed a range of ergonomic and safety enhancing features.

Ergonomic features:

- RAD's patented planetary gear reduction drive system delivers 88 times less vibration than impact wrenches.
- No risk of HAVS injuries (Hand-Arm-Vibration-Syndrome). Lower risk than impact wrenches.
- Pistol grip trigger/control reduces operator error.
- RAD's low profile reaction arm eliminates all operational load on the operator.

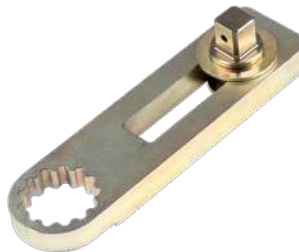
Hand Guards



Trigger Guard



Reaction Arms



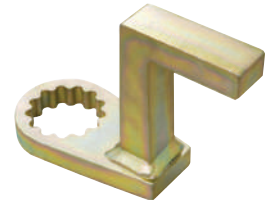
RAD **REACTION** **ARMS**

Each RAD tool includes a standard reaction arm. In addition to this, you can order the below special reaction arms to ensure correct reaction for different applications. Please consult our website for dimensions and part numbers.

**Standard
Reaction Arm**



**Deep Socket
Reaction Arm**



**Double Ended
Reaction Arm**



REGULATOR & TOOL HOLDER

**Carrying your RAD pneumatic tool around from job to job?
Introducing the new tool holder.**

We decided to continue our quest for improved ergonomics by not only engineering the world's lightest pneumatic torque wrenches with the highest power-to-weight ratio in the industry, but also by developing the industry's most ergonomic tool holder.

- Offset handle allows for balanced carrying when the tool is stored in the storage pocket.
- Accessory pocket (6" x 6") allows for quick and easy access to additional accessories such as custom reaction arms, snap rings and sockets.
- High-density polypropylene construction means the tool holder will stand up to the most demanding conditions while remaining lightweight for easy portability.
- Lightweight – only 4 lbs.
- Torque chart holder for quick reference
- Comes complete with FRL and house assembly



RAD NOSE EXTENSIONS

**Available for most RAD models. Please
contact us for custom inquiries.**



PRODUCT REFERENCE CHART



PNEUMATIC SERIES: RAD SINGLE SPEED

PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE RANGE	RPM	WEIGHT
12316	350SL	0.75"	50-350 ft/lbs.	65	6 lbs.
12814	7GX	0.75"	100-700 ft/lbs.	30	8 lbs.
12818	10GX	0.75"	200-1000 ft/lbs.	20	8 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.
22238	30DX	1.0"	900-3000 ft/lbs.	8	14.8 lbs.
12356	34GX	1.0"	1000-3400 ft/lbs.	12	20 lbs.
20248	50DX	1.5	1500-5000 ft/lbs.	6.7	23.5 lbs.
15328	60DX	1.5"	2000-6000 ft/lbs.	6.6	27.6 lbs.
18558	80DX	1.5"	2500-8000 ft/lbs.	4	30.5 lbs.
26152	110DX	1.5"	4000-11000 ft/lbs.	3	42 lbs.

PNEUMATIC SERIES: RAD HIGH SPEED

PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE RANGE	RPM	WEIGHT
10644	10GX-2	0.75"	350-1000 ft/lbs.	85	9.9 lbs.
17068	15DX-2	1.0"	500-1500 ft/lbs.	50	10.5 lbs.
19773	25GX-2	1.0"	700-2500 ft/lbs.	44	16.6 lbs.
24950	30DX-2	1.0"	1000-3000 ft/lbs.	49	16.1 lbs.

PNEUMATIC SERIES: RAD TV

PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE RANGE	RPM	WEIGHT
21953	7GX-R TV	0.75"	300-700 ft/lbs.	30	12 lbs.
22076	10GX TV	0.75"	200-1000 ft/lbs.	20	8 lbs.
22885	15DX TV	1.0"	300-1500 ft/lbs.	10	8.6 lbs.
21357	34GX TV	1.0"	1000-3400 ft/lbs.	12	20 lbs.

PNEUMATIC SERIES: WHEEL NUT & OTR MINING

PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE RANGE	RPM	WEIGHT
13495	7GX-R	0.75"	300-700 ft/lbs.	115	12 lbs.
13691	10GX-NX	1.0"	200-1000 ft/lbs.	20	8 lbs.
20810	15NDX-R	1.0"	300-1500 ft/lbs.	10	16 lbs.
19339	15DX-NX	1.0"	300-1500 ft/lbs.	10	8.6 lbs.
13477	180ONGX-R	1.0"	500-1800 ft/lbs.	10	27.5 lbs.

ELECTRONIC SERIES: E-RAD BLU

PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE RANGE	RPM	WEIGHT
21980	E-RAD BLU 700	0.75"	100-700 ft/lbs.	20	12 lbs.
24161	E-RAD BLU 1500	1.0"	200-1500 ft/lbs.	9	13 lbs.
21981	E-RAD BLU 2500 COMP	1.0"	250-2500 ft/lbs.	5.5	18 lbs.
24221	E-RAD BLU 2500 COMP 90	1.0"	250-2500 ft/lbs.	6	18 lbs.
21982	E-RAD BLU 3000	1.0"	500-3000 ft/lbs.	5.5	23.5 lbs.

ELECTRONIC SERIES: E-RAD BLU continued

PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE RANGE	RPM	WEIGHT
21983	E-RAD BLU 6000	1.5"	1500-6000 ft/lbs.	4	29 lbs.
21984	E-RAD BLU 7500	1.5"	1500-7500 ft/lbs.	1.5	33 lbs.
24234	E-RAD BLU 11K	1.5"	3000-11000 ft/lbs.	1.3	43 lbs.

ELECTRONIC SERIES: E-RAD BLU-S

PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE RANGE	RPM	WEIGHT
30079	E-RAD BLU 700-S	0.75"	100-700 ft/lbs.	15	13 lbs.
28836	E-RAD BLU 2500-S COMP	1.0"	250-2500 ft/lbs.	5	19 lbs.
31190	E-RAD BLU 3000-S	1.0"	500-3000 ft/lbs.	5	24.5 lbs.
31191	E-RAD BLU 6000-S	1.5"	1000-6000 ft/lbs.	2.1	30 lbs.
31192	E-RAD BLU 7500-S	1.5"	1500-8000 ft/lbs.	1.5	34 lbs.
29314	E-RAD BLU 11K-S	1.5"	3000-11,000 ft/lbs.	1.5	44 lbs.

BATTERY SERIES: B-RAD BL SELECT

PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE RANGE	RPM	WEIGHT
28283	B-RAD BL SELECT 500	0.75"	130-500 ft/lbs.	21.5	7.7 lbs.
28285	B-RAD BL SELECT 1000	0.75"	200-1000 ft/lbs.	10.5	7.8 lbs.
28286	B-RAD BL SELECT 1000-2	0.75"	200-1000 ft/lbs.	71	9.4 lbs.
28287	B-RAD BL SELECT 1500	1.0"	300-1500 ft/lbs.	6	8.9 lbs.
28288	B-RAD BL SELECT 1500-2	1.0"	300-1500 ft/lbs.	19.5	10.7 lbs.
28289	B-RAD BL SELECT 3000	1.0"	600-3000 ft/lbs.	3	13.3 lbs.
28290	B-RAD BL SELECT 3000-2	1.0"	600-3000 ft/lbs.	20	14.7 lbs.
28291	B-RAD BL SELECT 5000	1.5"	1000-5000 ft/lbs.	2.1	19.3 lbs.

BATTERY SERIES: B-RAD BL SELECT OFFSET

PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE RANGE	RPM	WEIGHT
30002	B-RAD BL SELECT 500 OFFSET	0.75"	130-500 ft/lbs.	21.5	8.7 lbs.
29572	B-RAD BL SELECT 1000 OFFSET	0.75"	200-1000 ft/lbs.	10.5	8.8 lbs.
30004	B-RAD BL SELECT 1500 OFFSET	1.0"	300-1500 ft/lbs.	6	9.9 lbs.
30006	B-RAD BL SELECT 3000 OFFSET	1.0"	600-3000 ft/lbs.	3	14.3 lbs.
30008	B-RAD BL SELECT 5000 OFFSET	1.5"	1000-5000 ft/lbs.	2.1	20.3 lbs.

BATTERY SERIES: B-RAD BL S

PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE RANGE	RPM	WEIGHT
31800	B-RAD BL 500 S	0.75"	50-500 ft/lbs.	21	9.2 lbs.
31802	B-RAD BL 1000 S	0.75"	100-1000 ft/lbs.	9.6	9.4 lbs.
31804	B-RAD BL 1500 S	1.0"	150-500 ft/lbs.	5.6	10.8 lbs.
31806	B-RAD BL 3000 S	1.0"	300-3000 ft/lbs.	3	15.9 lbs.
31808	B-RAD BL 5000 S	1.5"	500-5000 ft/lbs.	1.9	21.7 lbs.

BATTERY SERIES: DIGITAL B-RAD

PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE RANGE	RPM	WEIGHT
21779	DB-RAD 500-2	0.75"	50-500 ft/lbs.	59	11 lbs.
21783	DB-RAD 1000-2	0.75"	100-1000 ft/lbs.	19	11.6 lbs.
21787	DB-RAD 1500-2	1.0"	150-1500 ft/lbs.	17	11.8 lbs.
24965	DB-RAD 3000-2	1.0"	300-3000 ft/lbs.	13	19.5 lbs.

ELECTRIC SERIES: DIGITAL V-RAD

PART NUMBER	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 lbs.
16122	DV-RAD 2500	1.0"	1000-2500 ft/lbs.	3.2	13.6 lbs.

ELECTRIC SERIES: V-RAD SELECT

PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE RANGE	RPM	WEIGHT
25628	V-RAD SELECT 1000	0.75"	100-1000 ft/lbs.	5.5	11 lbs.
25629	V-RAD SELECT 1500	1.0"	150-1500 ft/lbs.	5.5	12 lbs.
25631	V-RAD SELECT 3000	1.0"	300-3000 ft/lbs.	3.8	13.5 lbs.

NOTES



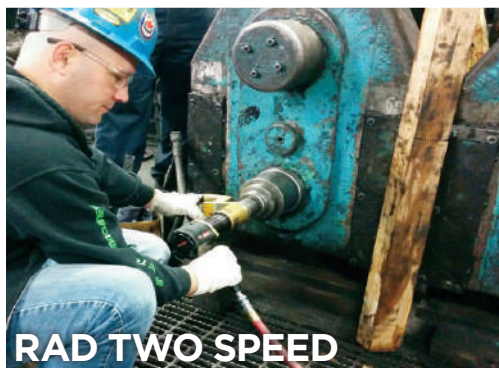
RAD SINGLE SPEED



E-RAD BLU



RAD SINGLE SPEED



RAD TWO SPEED



RAD SINGLE SPEED



B-RAD SELECT



RAD TORQUE SYSTEMS

MINING
OIL + GAS
AEROSPACE
PETROCHEMICAL
MANUFACTURING



01-2021

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RADTORQUE.COM