

RAD



B-RAD X
SERIES EXPANDS

WITH **3** NEW
TOOLS

**TRUSTED
POWER.**

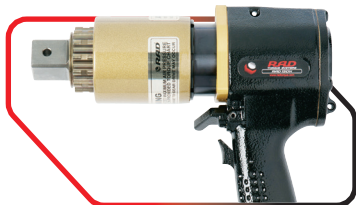
2026
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OUR STORY

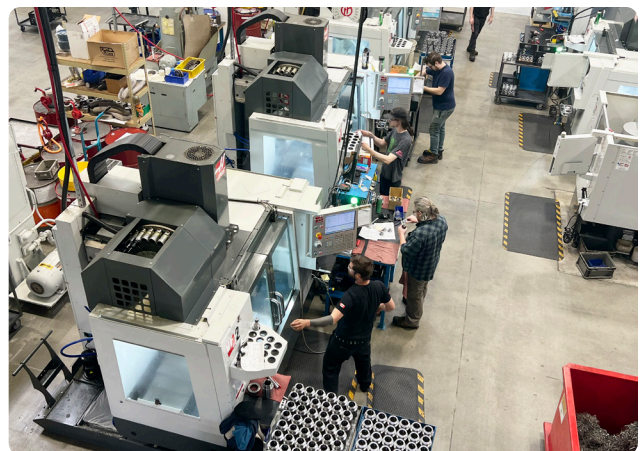
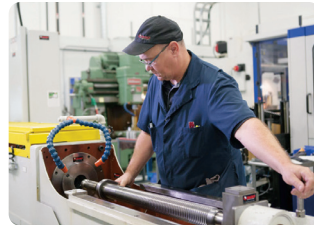




Company Profile

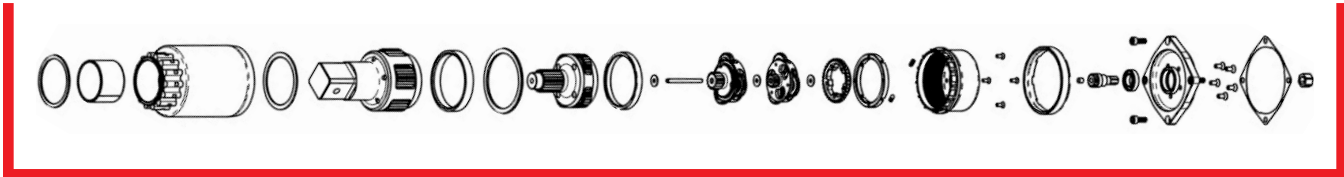
At RAD Torque Systems we manufacture extreme torque equipment, which includes pneumatic, battery powered, and electronic pistol grip torque wrenches. For 30 years, we have carefully designed and developed our tools in-house from our Canadian manufacturing facility to ensure quality from conception through to production. We believe this gives us greater control over every piece that goes into our product. That's why a RAD Torque tool is more durable, accurate and efficient than the competition.

Together with our parent company, New World Technologies Inc., we work to be a leader in the industry – always using latest technology to achieve the highest level of innovation, quality, and performance, which has resulted in multiple patents.



What is RAD Torque Systems?

RAD Torque Systems manufactures “planetary” torque wrenches. The name “RAD” is taken from the method used to assemble the gearbox known as “RADial” planetary gear reduction. RAD Torque tools are best known for the gearbox, which offers the best power-to-weight ratio on the market. That’s why a RAD Torque tool is lighter, stronger, and faster.



Exploded view of RAD gearbox



**THE BEST
POWER-TO-WEIGHT RATIO
ON THE MARKET!**



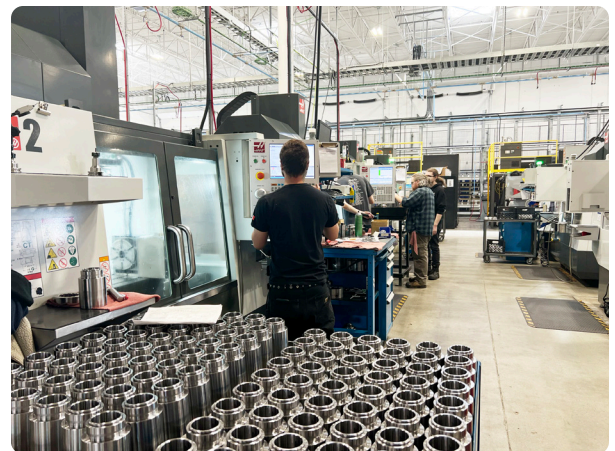
Our Manufacturing Facility

In 2022, RAD Torque Systems moved into a state-of-the-art, 60,000 sq. ft. manufacturing facility. In addition to this facility, RAD Torque Systems recently expanded its operations with a dedicated WaterJet and Welding center located in a separate building. To meet growing demand, the company has invested millions of dollars in advanced CNC machines and cutting-edge manufacturing technology.

Our Capabilities Include:

- 2 Fastems Systems
- 8 Okuma Horizontal Mills (5-axis)
- 12 Haas Vertical Mills (4-axis)
- 5 Multi-Axis Lathes
- 13 Lathes
- 2 Milling Machines
- 2 Water Jets
- 3 Shapers
- 4 Hobbing Machines
- 5 Shaping Machines

RAD Torque Systems is also supported by a team of highly skilled mechanical, electrical, and software engineers, who play a vital role in the innovation and development of our product lines.

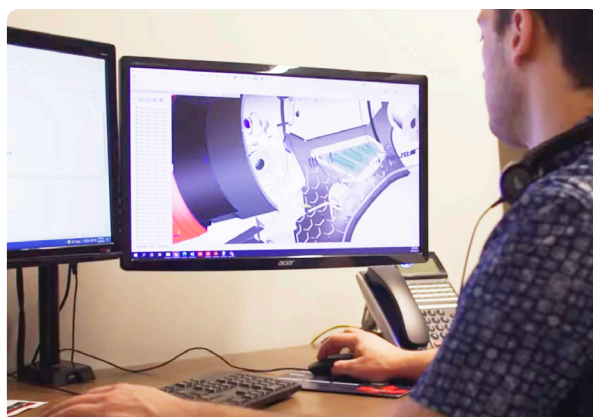


Custom Tools

Not all bolts are the same. That's why RAD Torque Systems will manufacture custom reaction arms and custom tools to fit most challenging bolting applications.

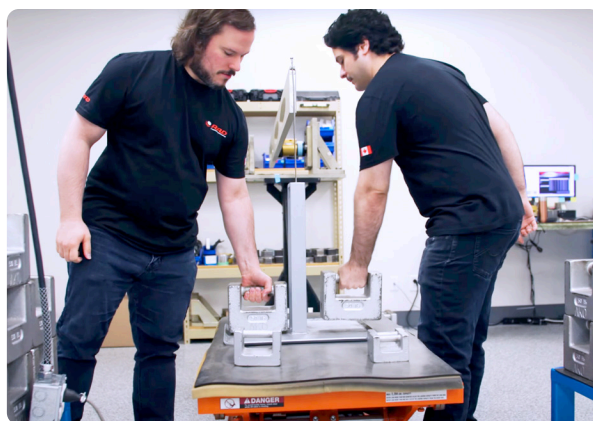
Our team of mechanical engineers work closely with you to understand your specific requirements and create tools that are tailored to your needs. By working with RAD Torque to develop a customized solution to your torque challenges you can ensure you are getting equipment that will perform efficiently and effectively – improving the productivity and quality of your work.

Customizing tools to fit your specific needs also creates a safer work environment.



ISO 17025 Accredited Calibration Lab

RAD Torque Systems has an accredited calibration laboratory to ensure maximum quality and calibration traceability (Cert # L2325 Calibration). Our calibration lab is committed to the professional practice and to the quality and impartiality of its calibration service. Our calibrations are performed only by fully trained and qualified technicians using calibrated equipment traceable to national standards.





PNEUMATIC

RAD PNEUMATIC SERIES

Precision Design Lightweight + Ergonomic

RAD Torque Pneumatic Series of air tools provides uncompromised power and durability in a pistol grip wrench that can withstand the toughest environments. RAD Pneumatic tools come in a wide range of sizes for any job – big or small.

RAD Pneumatic tools come with planetary gear boxes, which mean the torque wrenches are vibration free and have the accuracy to prevent accidental under-and over-tightening.

Included Accessories:

- Reaction arm & retaining ring
- Tool holder with FRL unit, 10 ft. / 3.6 m hose and fittings
- Safety instruction and operator's manual
- Calibrated to ISO 17025 standards



RAD SINGLE SPEED



Extreme-Duty Torque Wrenches for Heavy-Duty Applications



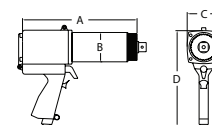
30 years of experience in gearbox engineering and design has brought about our latest generation in planetary gearboxes – RAD Single Speed. Designed for extreme-duty use in a variety of industries worldwide, RAD Single Speed torque wrenches offer:

FEATURES

- 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 $\pm 5\%$ and repeatability of $\pm 2\%$

FRL UNIT

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



IMPERIAL

Part Number	Tool Model	Drive Size	Torque (ft-lb) Low High	RPM	Weight (lbs.)	Noise Level	Dimension A (in)	Dimension B (in)	Dimension C (in)	Dimension D (in)
12316	RAD 350SL	.75"	50 350	65	6.6	80 db	6.8	2.4	2.8	9
12814	RAD 7GX	.75"	100 700	22	7.9	80 db	8.2	2.5	2.8	9
12818	RAD 10GX	.75"	200 1000	15	7.9	97 db	8.2	2.5	2.8	9
17328	RAD 15DX	1"	300 1500	10	8.7	80 db	7.7	2.7	2.8	9
12377	RAD 25GX	1"	500 2500	9	14.2	98 db	10.1	3.1	3.3	9.4
22238	RAD 30DX	1"	900 3000	8	14.5	96 db	10.2	3.2	3.3	9.4
12356	RAD 34GX	1"	1000 3400	12	21.2	85 db	12.1	3.4	3.8	10.3
20248	RAD 50DX	1.5"	1500 5000	7	22.9	85 db	11	3.7	3.8	10.3
15328	RAD 60DX	1.5"	2000 6000	5	27.2	85 db	11.9	4	4	10.9
18558	RAD 80DX	1.5"	2500 8000	4	30.5	85 db	12.5	4.3	4.3	10.9
26152	RAD 110DX	1.5"	4000 11000	3	42.3	85 db	14.2	5	5	11

METRIC

Part Number	Tool Model	Drive Size	Torque (Nm) Low High	RPM	Weight (Kg)	Noise Level	Dimension A (mm)	Dimension B (mm)	Dimension C (mm)	Dimension D (mm)
13573	RAD 475SL-M	.75"	70 475	65	3	80 db	173	62	70	228
13539	RAD 10GX-M	.75"	150 950	22	3.6	80 db	209	63	70	228
13549	RAD 14GX-M	.75"	275 1400	15	3.6	97 db	209	63	70	228
19135	RAD 20DX-M	1"	400 2000	10	4	80 db	196	69	70	228
13565	RAD 34GX-M	1"	700 3400	9	6.5	98 db	257	77	84	238
24717	RAD 40DX-M	1"	1200 4000	8	6.6	96 db	259	81	84	238
13571	RAD 46GX-M	1"	1400 4600	12	9.6	85 db	308	86	97	261
26133	RAD 70DX-M	1.5"	2000 7000	7	10.4	85 db	278	95	97	261
15805	RAD 80DX-M	1.5"	2700 8000	5	12.4	85 db	302	101	101	276
23229	RAD 110DX-M	1.5"	3400 11000	4	13.9	85 db	318	108	108	270
26153	RAD 150DX-M	1.5"	5500 15000	3	19.2	85 db	360	127	127	281

$\pm 5\%$ accuracy to target | Repeatability of $\pm 2\%$

RAD HIGH SPEED





Extreme-Duty Torque Wrenches with High RPM Productivity

Looking for 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.

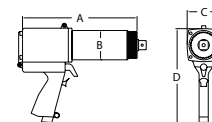
The two-speed models feature a unique fully automatic gearbox design, eliminating the time-consuming switch between high and low speed gear.

FEATURES

- 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 $\pm 5\%$ and repeatability of $\pm 2\%$

FRL UNIT

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



IMPERIAL

Part Number	Tool Model	Drive Size	Torque (ft-lb)		RPM	Weight (lbs.)	Noise Level	Dimension A (in)	Dimension B (in)	Dimension C (in)	Dimension D (in)
			Low	High							
10644	RAD 10GX-2	.75"	350	1000	72	9.9	80 db	10.2	2.5	2.8	9
17068	RAD 15DX-2	1"	500	1500	56	10.6	80 db	10.2	2.7	2.8	9
19773	RAD 25GX-2	1"	700	2500	52	16.5	80 db	12.1	3.1	3.3	9.5
24950	RAD 30DX-2	1"	1000	3000	51	16.1	80 db	12.2	3.2	2.8	9.5

METRIC

Part Number	Tool Model	Drive Size	Torque (Nm)		RPM	Weight (Kg)	Noise Level	Dimension A (mm)	Dimension B (mm)	Dimension C (mm)	Dimension D (mm)
			Low	High							
19774	RAD 14GX-2-M	.75"	475	1400	72	4.5	80 db	259	63	70	228
19775	RAD 20DX-2-M	1"	700	2000	56	4.8	80 db	259	69	70	228
19776	RAD 34GX-2-M	1"	950	3400	52	7.5	80 db	308	77	84	242
24952	RAD 40DX-2-M	1"	1400	4000	51	7.3	80 db	309	81	84	242

RAD WHEEL NUT & OTR MINING



Precision Wheel Nut Bolting for Mining



RAD Wheel Nut Bolting & Off-The-Road (OTR) tools were designed with one job in mind – to secure wheel nuts on OTR mining trucks. This pneumatic torque wrench comes with a nose extension that is ideal for reaching wheel nut studs that are recessed and have tight clearances.

FEATURES

- 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

FRL UNIT

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

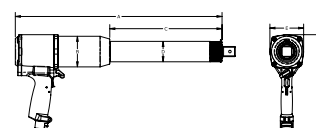


NOSE EXTENSION (-R)

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.

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.



IMPERIAL

Part Number	Tool Model	Drive Size	Torque (ft-lb) Low High	RPM	Weight (lbs.)	Noise Level	Dimension A (in)	Dimension B (in)	Dimension C (in)	Dimension D (in)	Dimension E (in)	Dimension F (in)
13495	RAD 7GX-R	.75"	300 700	115	11.8	80 db	13.5	2.5	3.1	1.7	2.8	9
13691	RAD 10GX-NX	.75"	200 1000	20	8	80 db	20.2	2.5	9.6	1.7	2.8	9
20810	RAD 15NDX-R	1"	300 1500	9.4	15	90 db	20.3	2.7	12.1	1.8	2.8	9
19339	RAD 15DX-NX	1"	300 1500	10	8.6	80 db	20.2	2.7	9.8	1.8	2.8	9
13477	RAD 1800NGX-R	1"	500 1800	12.5	22.9	97 db	20.2	3	11	2	3.3	9.5

METRIC

Part Number	Tool Model	Drive Size	Torque (Nm) Low High	RPM	Weight (Kg)	Noise Level	Dimension A (mm)	Dimension B (mm)	Dimension C (mm)	Dimension D (mm)	Dimension E (mm)	Dimension F (mm)
13541	RAD 10GX-R-M	.75"	400 1000	115	5.4	80 db	342	63	78	43	70	228
14550	RAD 14GX-NX-M	.75"	275 1400	20	3.6	80 db	514	63	243	43	70	228
20809	RAD 20NDX-R-M	1"	400 2000	9.4	6.8	90 db	514	69	307	44	70	228
19340	RAD 20DX-NX-M	1"	400 2000	10	3.9	80 db	513	69	248	44	70	228
13563	RAD 2400NGX-R-M	1"	700 2400	12.5	10.4	97 db	514	76	279	51	84	242

±5% accuracy to target | Repeatability of ±2%



E-RAD BLU

E-RAD[®] BLU

SERIES

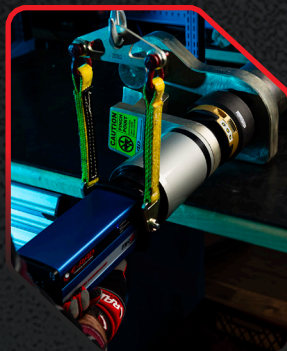
Advanced Electronics High Degree of Accuracy

When the wind industry needs bolts torqued, the tool of choice to get the job done is the E-RAD BLU. These electronic torque wrenches deliver continuous torque in an ergonomic, lightweight, design to complete the job in record time. With the E-RAD BLU users also can use different handles per controller case.

The E-RAD BLU-S combines all the technology in the E-RAD BLU but with transducer technology for even more accuracy.

Included Accessories:

- Reaction arm & retaining ring
- E-RAD tool handle
- E-RAD touch controller
- Single 15 ft. / 4.5 m cable
- Calibrated to ISO 17025 standards



E-RAD® BLU

90 Degree*

Offset*



*Only available on certain models.



CASE

Durable, lightweight, shock proof. Designed to protect your RAD investment.

Bluetooth® is a registered trademark of Bluetooth SIG, Inc. and any use of such marks by New World Technologies Inc. is under license. Other trademarks and trade names are those of their respective owners.

Ability to Use Different Handles with Controller Case



E-RAD BLU precision torque wrench tools are designed to provide a high degree of accuracy ($\pm 2.8\%$) and repeatability ($\pm 2\%$). 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.

FEATURES

- Advanced data logging and tool management features
- Military grade single cable and connector system
- Available in a 90-degree gearbox
- LED indicator lights (pass/fail)
- Push-button select torque
- Lightweight and ergonomic pistol grip

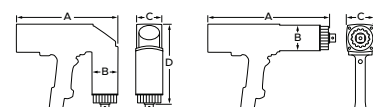
TOUCH CONTROL CASE

- Easy to use interface
- Pre-sets for torque and angle adjustments
- Quick error-free torque and angle adjustments
- Complete recalibrations
- Data logging with export to laptop



RAD SMART SOCKETS™

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!



IMPERIAL

Part Number	Tool Model	Drive Size	Torque (ft-lb) Low High	RPM 120V 230V	Weight (lbs.)	Dimension A (in)	Dimension B (in)	Dimension C (in)	Dimension D (in)
21980	E-RAD BLU 700	.75"	100 700	15 30.5	12.2	13.4	2.5	3	10.8
24161	E-RAD BLU 1500	1"	200 1500	8 17.5	12.9	13.1	2.7	3	10.8
21981	E-RAD BLU 2500 COMP	1"	250 2500	5 10.3	16.7	14.5	3	3	10.8
24221	E-RAD BLU 2500 COMP-90-Degree	1"	250 2500	6 12	18	9.7	3	3.5	10.8
21982	E-RAD BLU 3000	1"	500 3000	4.1 8.5	24.3	16.3	3.4	3.5	11.8
21983	E-RAD BLU 6000	1.5"	1000 6000	2.1 4	29.8	16.3	4	4	11.5
21984	E-RAD BLU 7500	1.5"	1500 7500	1.5 3	33.1	17	4.3	4.3	11.7
24234	E-RAD BLU 11K*	1.5"	3000 11000	1.2 2.3	44.3	18.5	5	5	11.5

METRIC

Part Number	Tool Model	Drive Size	Torque (Nm) Low High	RPM 120V 230V	Weight (Kg)	Dimension A (mm)	Dimension B (mm)	Dimension C (mm)	Dimension D (mm)
21985	E-RAD BLU 950-M	.75"	140 950	15 30.5	5.5	339	64	76	273
24162	E-RAD BLU 2000-M	1"	270 2000	8 17.5	5.9	333	69	76	273
21986	E-RAD BLU 3400-M COMP	1"	340 3400	5 10.3	7.6	368	76	76	273
22434	E-RAD BLU 3400-M COMP-90-Degree	1"	340 3400	6 12	8.3	210	76	78	300
21987	E-RAD BLU 4000-M	1"	700 4000	4.1 8.5	11	414	86	89	286
21988	E-RAD BLU 8000-M	1.5"	1400 8000	2.1 4	13.5	414	102	102	292
21989	E-RAD BLU 10K-M	1.5"	2000 10000	1.5 3	15	432	108	108	298
24224	E-RAD BLU 15K-M*	1.5"	4000 15000	1.2 2.3	20.1	470	127	127	292

$\pm 2.8\%$ accuracy to target | Repeatability of $\pm 2\%$ | *Also available in a 2.5" square drive

E-RAD® BLU-S



CASE

Durable, lightweight and shock proof. Designed to protect your RAD investment.

Supreme Transducer Technology with High Accuracy



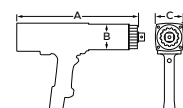
The integrated transducer measures torque output in real time, ensuring the tool stops precisely where it needs to. This feedback loop allows the E-RAD BLU-S to operate accurately regardless of the joint condition and will even allow you to check a previously tightened bolt without applying too much torque.

FEATURES

- Built-in transducer
- Advanced data logging and tool management features
- Password protection on three user levels: basic, intermediate, and advanced
- Operator identification ensures traceability of each torque sequence performed
- Capable of torque and angle bolting sequence
- LED indicator lights (pass/fail)
- Extremely low noise level at only 75dB

TOUCH CONTROL CASE

- Easy to use interface
- Pre-sets for torque and angle adjustments
- Quick error-free torque and angle adjustments
- Complete recalibrations
- Data logging with export to laptop



IMPERIAL

Part Number	Tool Model	Drive Size	Torque (ft-lb) Low High	RPM 120V 230V	Weight (lbs.)	Dimension A (in)	Dimension B (in)	Dimension C (in)	Dimension D (in)
30079	E-RAD BLU-S 700	.75"	100 700	15 30.5	12.2	13.4	2.5	3	10.75
28836	E-RAD BLU-S 2500 COMP	1"	250 2500	4.9 10.3	17.1	14.5	3	3	10.75
31190	E-RAD BLU-S 3000	1"	500 3000	4.9 10.3	20.8	14.5	3	3	10.75
31191	E-RAD BLU-S 6000	1.5"	1000 6000	2.1 4	32.3	16.3	4	4	11.5
31192	E-RAD BLU-S 7500	1.5"	1500 7500	1.5 3	36.5	18.5	4.5	4.5	11.5
29314	E-RAD BLU-S 11K*	1.5"	3000 11000	1.5 2.3	44	19.8	5.2	5.2	11.5

METRIC

Part Number	Tool Model	Drive Size	Torque (Nm) Low High	RPM 120V 230V	Weight (Kg)	Dimension A (mm)	Dimension B (mm)	Dimension C (mm)	Dimension D (mm)
26937	E-RAD BLU-S 950-M	.75"	140 950	15 30.5	5.5	339	64	76	273
26938	E-RAD BLU-S 3400-M COMP	1"	340 3400	4.9 10.3	7.8	368	76	76	273
22759	E-RAD BLU-S 4000-M	1"	700 4000	4.9 10.3	9.5	368	76	76	273
25282	E-RAD BLU-S 8000-M	1.5"	1400 8000	2.1 4	14.7	414	102	102	292
26939	E-RAD BLU-S 10K-M	1.5"	2000 10000	1.5 3	16.6	471	114	114	292
29315	E-RAD BLU-S 15K-M*	1.5"	4000 15000	1.5 2.3	20	503	132	132	292

±2.8% accuracy to target | Repeatability of ±2% | *Also available in a 2.5" square drive



B-RAD XTREME

B-RAD X[®] SERIES

The Next Generation of Cordless Torque

Introducing the **B-RAD X Series**. RAD Torque's premium battery-powered torque platform, engineered to deliver greater performance, advanced bolting technology and unmatched application coverage.

Now spanning **50 to 11,000 ft-lb (70–15,000 Nm)**, the award-winning B-RAD X platform brings industry-leading cordless torque performance to more industrial bolting applications than ever before.

Whether you're assembling equipment, maintaining critical infrastructure or tackling the toughest bolting jobs in the field, the B-RAD X Series gives you the freedom of cordless power without compromise.

Why Choose the B-RAD X Series?

- Award-winning cordless torque platform
- 7 torque ranges/9 configurations up to 11,000 ft-lb
- Industry-leading battery-powered performance
- Advanced electronics and bolting technology
- Patented RAD gearbox technology
- Built for industrial environments

Included Accessories:

- ISO 17025 calibration certificate
- Reaction arm and retaining ring
- Two 18V batteries and charger
- Weatherproof storage case



B-RAD® XTREME



Screen Display



B-RAD X Series



CASE

Durable,
lightweight and
shock proof.
Designed
to protect
your RAD
investment.



More Torque Ranges. More Speed. More Possibilities.

The award-winning B-RAD Xtreme Series has evolved into the most comprehensive cordless industrial torque wrench lineup. With 7 torque ranges, 9 configurations and a torque capacity from 50 to 11,000 ft-lb (70–15,000 Nm), there's a B-RAD Xtreme built for every industrial bolting application.

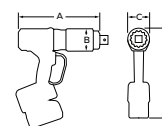
Three new lower torque models expand the series, delivering up to 55% faster torque cycles than our popular B-RAD Select Series, helping operators complete more bolting jobs in less time without compromising accuracy or reliability.

The lineup also includes Shaft Retention (B-RAD X-C) models, designed for mining haul truck wheels and other equipment with bolts located between rim walls or behind obstructions.

Built around RAD Torque's patented gearbox technology, a high-performance brushless DC motor and advanced fastening electronics, every B-RAD Xtreme delivers exceptional battery efficiency, repeatable accuracy and the rugged durability professionals rely on every day.

Why B-RAD Xtreme?

- Available in 7 torque ranges from 50–11,000 ft-lb (70–15,000 Nm)
- Torque + Angle functionality for advanced bolting control
- Gearboxes optimized for faster torque cycles
- Brushless DC motor
- High-capacity lithium-ion battery system
- Intuitive 4-button interface with high-contrast LED display
- Redesigned ergonomic controls
- NFPA 70 NEC Certified: Class I, Division 2
- Award-winning platform recognized by the Edison Awards and Pro Tool Innovation Awards



IMPERIAL

	Part Number	Tool Model	Drive Size	Torque (ft-lb)		RPM	Accuracy	Weight (lbs.)	Dimension A (in)	Dimension B (in)	Dimension C (in)	Dimension D (in)
				Low	High							
NEW	32576	B-RAD X 500	.75"	50	500	27.6	3.5%*	11.1	9.25	2.48	3.62	13.87
NEW	32651	B-RAD X 1000	.75"	100	1000	14.5	3.5%*	12.3	10.63	2.48	3.62	13.87
NEW	32653	B-RAD X 1500	1"	150	1500	9.3	3.5%*	13.1	10.44	2.7	3.62	14.06
	30983	B-RAD X 3000	1"	250	3000	3.9	4%	17	12	3.18	3.62	13.88
NEW	34435	B-RAD X 3000-C	1"	250	3000	3.9	4%	17	12	3.18	3.62	13.88
	30656	B-RAD X 5000	1.5"	500	5000	2.4	4%	23	12.31	3.74	3.75	14.13
NEW	34437	B-RAD X 5000-C	1.5"	500	5000	2.4	4%	23	12.75	3.74	3.75	14.13
	30658	B-RAD X 8000	1.5"	740	8000	1.7	4%	30	13.88	4.25	4.25	14.38
	30660	B-RAD X 11K*	1.5"	1100	11000	1.2	4%	42	15.25	5	5	14.91

METRIC

	Part Number	Tool Model	Drive Size	Torque (Nm)		RPM	Accuracy	Weight (Kg)	Dimension A (mm)	Dimension B (mm)	Dimension C (mm)	Dimension D (mm)
				Low	High							
NEW	32577	B-RAD X 700-M	.75"	70	700	27.6	3.5%*	5	235	63	93	353
NEW	32652	B-RAD X 1400-M	.75"	140	1400	14.5	3.5%*	5.6	270	63	93	353
NEW	32654	B-RAD X 2000-M	1"	200	2000	9.3	3.5%*	6	266	69	93	358
	30984	B-RAD X 4000-M	1"	340	4000	3.9	4%	7.9	305	81	93	353
NEW	34436	B-RAD X 4000-M-C	1"	400	4000	3.9	4%	7.9	305	81	93	353
	30657	B-RAD X 7000-M	1.5"	700	7000	2.4	4%	10.5	313	95	95	359
NEW	34438	B-RAD X 7000-M-C	1.5"	700	7000	2.4	4%	10.5	313	95	95	359
	30659	B-RAD X 10K-M	1.5"	1000	10850	1.7	4%	13.8	353	108	108	366
	30661	B-RAD X 15K-M*	1.5"	1500	15000	1.2	4%	19.3	388	127	127	379

* ±3.5% accuracy full scale. All other models have ±4% accuracy to target | Repeatability of ±2% | *Also available in a 2.5" square drive



B-RAD

B-RAD[®] SERIES

Advanced Electronics High Degree of Accuracy

No compressed air or electricity? No problem! RAD Torque System's battery-powered torque wrench, the B-RAD Series, is fuelled by lithium-ion batteries that give you the same industrial strength power. In fact, the very first B-RAD was the first digital cordless torque wrench on the market.

Now you can torque up to 11,000 ft-lb / 15,000 Nm with the all-new B-RAD Xtreme, which is available in 7 different torque ranges.

Included Accessories:

- Reaction arm and retaining ring
- Charger and two 18V batteries
- Weatherproof storage case
- Calibrated to ISO 17025 standards



B-RAD[®] SELECT

Screen Display



Torque ranges up to 5000 ft-lb / 7000 Nm



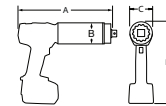
The B-RAD® Select Series offers higher speed and longer battery life while incorporating a new torque display with buttons. The B-RAD Select allows the user to easily select the target torque. Patented Product.

FEATURES

- Digital torque settings, able to increase or decrease the value by 10 ft-lb / 10 Nm
- Torque ranges up to 5,000 ft-lb / 7,000 Nm
- 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

CASE

Durable, lightweight and shock proof. Designed to protect your RAD investment.



IMPERIAL

PART NUMBER	Tool Model	Drive Size	Torque (ft-lb) Low	Torque (ft-lb) High	RPM	Weight (lbs.)	Dimension A (in)	Dimension B (in)	Dimension C (in)	Dimension D (in)
28283	B-RAD SELECT 500	.75"	130	500	21.6	7.7	9.1	2.5	2.6	10.3
28285	B-RAD SELECT 1000	.75"	200	1000	10.6	7.7	9.1	2.5	2.6	10.3
28286	B-RAD SELECT 1000-2	.75"	400	1000	71	9.4	11	2.5	2.6	10.3
28287	B-RAD SELECT 1500	1"	300	1500	5.6	8.9	9.6	2.7	2.7	10.3
28288	B-RAD SELECT 1500-2	1"	300	1500	19.5	10.7	11.7	2.7	2.7	10.3
28289	B-RAD SELECT 3000	1"	600	3000	3.1	13.3	11.2	3.2	3.2	10.5
28290	B-RAD SELECT 3000-2	1"	600	3000	21	14.7	13.3	3.2	3.2	10.5
28291	B-RAD SELECT 5000	1.5"	1000	5000	2.1	19.3	11.6	3.7	3.8	10.7

METRIC

Part Number	Tool Model	Drive Size	Torque (Nm) Low	Torque (Nm) High	RPM	Weight (Kg)	Dimension A (mm)	Dimension B (mm)	Dimension C (mm)	Dimension D (mm)
28264	B-RAD SELECT 700-M	.75"	170	700	21.6	3.5	231	63	67	262
28266	B-RAD SELECT 1400-M	.75"	300	1400	10.6	3.5	231	63	67	262
28267	B-RAD SELECT 1400-2-M	.75"	540	1400	71	4.3	279	63	67	262
28268	B-RAD SELECT 2000-M	1"	400	2000	5.6	4	244	69	69	262
28269	B-RAD SELECT 2000-2-M	1"	400	2000	19.5	4.9	298	69	69	262
28270	B-RAD SELECT 4000-M	1"	800	4000	3.1	6	284	81	81	266
28271	B-RAD SELECT 4000-2-M	1"	800	4000	21	6.7	337	81	81	266
28272	B-RAD SELECT 7000-M	1.5"	1350	7000	2.1	8.8	295	95	95	272

B-RAD® SELECT OFFSET

Screen Display



The B-RAD Select With an Offset Gearbox for Tight Spaces



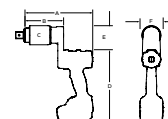
The B-RAD Select Offset offers more flexibility for those tight spaces. The design is meant to allow the tool to get into spaces, specifically flanges, where there isn't enough overhead clearance for most pistol grip tools. An excellent battery-powered alternative for flanges that only hydraulics could fit in. Patented Product.

FEATURES

- Digital torque settings, able to increase or decrease the value by 10 ft-lb / 10 Nm
- Torque ranges up to 5,000 ft-lb / 7,000 Nm
- 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

CASE

Durable, lightweight and shock proof. Designed to protect your RAD investment.



IMPERIAL

Part Number	Tool Model	Drive Size	Torque (ft-lb) Low High	RPM	Weight (lbs.)	Dimension A (in)	Dimension B (in)	Dimension C (in)	Dimension D (in)	Dimension E (in)	Dimension F (in)
30002	B-RAD SELECT OFFSET 500	.75"	130 500	21.5	8.7	10.2	6.1	2.5	10.3	3.3	3.3
29572	B-RAD SELECT OFFSET 1000	.75"	200 1000	10.5	8.8	10.3	6.1	2.5	10.3	3.3	3.3
30004	B-RAD SELECT OFFSET 1500	1"	300 1500	6	9.9	10.9	6.8	2.7	10.3	3.4	3.3
30006	B-RAD SELECT OFFSET 3000	1"	600 3000	3	14.3	12.3	8.2	3.2	10.3	3.6	3.3
30008	B-RAD SELECT OFFSET 5000	1.5"	1000 5000	2.1	20.3	13.2	9.1	3.7	10.3	3.9	3.3

METRIC

Part Number	Tool Model	Drive Size	Torque (Nm) Low High	RPM	Weight (Kg)	Dimension A (mm)	Dimension B (mm)	Dimension C (mm)	Dimension D (mm)	Dimension E (mm)	Dimension F (mm)
30003	B-RAD SELECT OFFSET 700-M	.75"	170 700	21.5	3.9	260	155	63	262	83	83
29574	B-RAD SELECT OFFSET 1400-M	.75"	270 1400	10.5	3.9	300	165	63	262	83	83
30005	B-RAD SELECT OFFSET 2000-M	1"	400 2000	6	4.4	277	172	69	262	86	83
30007	B-RAD SELECT OFFSET 4000-M	1"	800 4000	3	6.4	312	208	81	262	92	83
30009	B-RAD SELECT OFFSET 7000-M	1.5"	1350 7000	2.1	9.2	335	230	95	262	100	83

DIGITAL B-RAD®

Screen Display



Ideal for Applications Where Compressed Air Is Not Available



Digital B-RAD is 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.

FEATURES

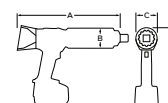
- Available with torque and angle option
- Programmable pre-set torque settings
- Latest lithium-ion 18V battery technology
- High accuracy of $\pm 5\%$
- Automatic 2-speed gearbox
- Patented product

CASE

Durable, lightweight and shock proof. Designed to protect your RAD investment.



Part Number	Description
26400	DB-RAD ANGLE OPTION



IMPERIAL

Part Number	Tool Model	Drive Size	Torque (ft-lb) Low High	RPM	Weight (lbs.)	Noise Level	Dimension A (in)	Dimension B (in)	Dimension C (in)	Dimension D (in)
21779	DB-RAD 500-2	.75"	50 500	59	9.9	87 db	11.3	2.5	2.7	10.3
21783	DB-RAD 1000-2	.75"	100 1000	19	10.4	82 db	11.9	2.5	2.7	10.3
21787	DB-RAD 1500-2	1"	150 1500	17	11.2	84 db	11.8	2.7	2.7	10.5
24965	DB-RAD 3000-2	1"	300 3000	12	16.7	91 db	15.2	3.2	3.2	10.5

METRIC

Part Number	Tool Model	Drive Size	Torque (Nm) Low High	RPM	Weight (Kg)	Noise Level	Dimension A (mm)	Dimension B (mm)	Dimension C (mm)	Dimension D (mm)
22876	DB-RAD 700-2-M	.75"	70 700	59	4.5	87 db	286	64	67	260
22878	DB-RAD 1400-2-M	.75"	140 1400	19	4.7	82 db	302	64	67	260
22880	DB-RAD 2000-2-M	1"	200 2000	17	5.1	84 db	298	69	69	267
24966	DB-RAD 4000-2-M	1"	400 4000	12	7.6	91 db	398	81	81	279



AUDIT
EQUIPMENT

RAD AUDIT EQUIPMENT

| Instant Torque Read Out

Accurate and reliable torque output starts with calibration. That's why RAD Torque is using its state-of-the-art labs to build torque transducers and audit equipment to ensure that your RAD tools are operating perfectly, whether in a calibration lab or during a job - even directly on the application. RAD Calibration Systems are used by service centres around the world, and the patented RAD Smart Socket™ can be used to audit the torque output of any continuous output torque tool, replacing the standard socket and measuring torque precisely where it's applied!

Included Accessories:

- Weatherproof storage case
- Charger and USB cord
- Calibration certificate to ISO 17025



B-RAD S



Screen Display

Bluetooth® is a registered trademark of Bluetooth SIG, Inc. and any use of such marks by New World Technologies Inc. is under license. Other trademarks and trade names are those of their respective owners.

Advanced On-the-Go Auditing, at Your Fingertips



The B-RAD S auditing tool, leveraging strain gauge technology, features a built-in transducer for real-time torque measurements, ensuring on-the-spot accuracy. It excels in bolt auditing applications, thanks to the integrated "prove" mode, allowing operators to check previously tightened bolts without the risk of over-torquing.

A must-have for on-the-go auditing, the B-RAD S torque wrench instills unmatched confidence in bolt tightening. With torque and angle capabilities, Bluetooth® connectivity, torque check function, and automatic reaction arm release, it guarantees precise and reliable torque applications. Tailored for professionals in various industries, it seamlessly combines mobility with precision, delivering a flawless auditing experience and the assurance of securely tightened bolts.

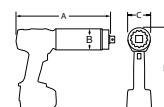
FEATURES

- Torque range up to 5,000 ft-lb / 7,000 Nm
- Longer battery life
- Bolt counter
- Brushless motor
- Password protection
- Built-in transducer

CASE

Durable, lightweight and shock proof. Designed to protect your RAD investment.

IMPERIAL



Part Number	Tool Model	Drive Size	Torque (ft-lb) Low High	RPM	Weight (lbs.)	Noise Level	Dimension A (in)	Dimension B (in)	Dimension C (in)	Dimension D (in)
31800	B-RAD S 500	.75"	50 500	21	9.2	85	12.25	2.48	2.75	10
31802	B-RAD S 1000	.75"	100 1000	9.6	9.4	85	12.25	2.48	2.75	10
31804	B-RAD S 1500	1"	150 1500	5.6	10.8	85	12.63	2.7	2.75	10
31806	B-RAD S 3000	1"	300 3000	3	15.9	85	13.25	3.18	3.18	10.13
31808	B-RAD S 5000	1.5"	500 5000	1.9	21.7	85	14.25	3.74	3.74	10.5

METRIC

Part Number	Tool Model	Drive Size	Torque (Nm) Low High	RPM	Weight (Kg)	Noise Level	Dimension A (mm)	Dimension B (mm)	Dimension C (mm)	Dimension D (mm)
31801	B-RAD S 700-M	.75"	70 700	21	4.2	85	311	63	70	254
31803	B-RAD S 1400-M	.75"	135 1400	9.6	4.3	85	311	63	70	254
31805	B-RAD S 2000-M	1"	200 2000	5.6	4.9	85	321	69	70	254
31807	B-RAD S 4000-M	1"	400 4000	3	7.2	85	337	81	81	257
31809	B-RAD S 7000-M	1.5"	700 7000	1.9	9.8	85	362	95	95	267

RAD SMART SOCKET™



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Strain Gauge Technology Measures Torque with Instant Read-Out

RAD Smart Sockets use RAD Torque's transducer technology combined with custom sockets to measure the actual torque applied to the bolt during a torque cycle. Its compact size and innovative technology make the Smart Socket™ a perfect audit tool for inspecting bolted joints and it can function as a calibration device for various torque tools. Patented product.

FEATURES

- 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



CASE

Durable, lightweight and shock proof. Designed to protect your RAD investment.



IMPERIAL

SMART SOCKET™ SERIES	Part Number	Socket Hex Size	Drive Size	Weight (lbs.)	Dimension (in) Height A	Diameter B
SMART SOCKET™ 1500/2000-M (Imperial range: 150-1500)	25448	1-1/2 (38mm)	1"	2.96	3.42	2.83
	22157	1-3/4	1"	2.85	3.42	2.83
SMART SOCKET™ 3400/4600-M (Imperial range: 340-3400)	22110	1-7/8	1"	4.05	3.52	3.39
	24124	2.0 (51mm)	1"	3.72	3.52	3.39
	29997	2-1/16	1"	3.89	3.60	3.39
	30211	2-1/4 (57mm)	1"	3.75	3.64	3.39
SMART SOCKET™ 8000/10800-M (Imperial range: 800-8000)	30212	2-5/8 (67mm)	1.5"	8.04	4.50	4.13
	28722	2-3/4 (70mm)	1.5"	8.28	4.75	4.13
	21915	3.0 (76mm)	1.5"	9.76	4.75	4.53
SMART SOCKET™ 12000/16200-M (Imperial range: 1200-12000)	27645	3-3/4 (95mm)	1.5"	13.3	5.21	5.30
	32405	4-1/8 (105mm)	1.5"	16	5.20	5.95
	27290	4-5/8	1.5"	17.3	5.45	6.40
	27289	3 7/8	1.5"	17.1	5.45	5.75
SMART SOCKET™ 18000/24000-M* (Imperial range: 1800-18000)	33773	3 7/8	2.5"	21	6.50	5.71

METRIC

SMART SOCKET™ SERIES	Part Number	Socket Hex Size	Drive Size	Weight (Kg)	Dimension (mm) Height A	Diameter B
SMART SOCKET™ 1500/2000-M (Metric range: 200-2000)	20879	33mm	1"	1.2	100	72
	21363	36mm	1"	1.2	87	72
	22158	41mm (1-5/8)	1"	1.2	87	72
	20880	46mm (1-13/16)	1"	1.2	87	72
SMART SOCKET™ 3400/4600-M (Metric range: 460-4600)	20881	50mm	1"	1.5	89	86
	20882	55mm	1"	1.5	89	86
	20883	60mm	1"	1.5	89	86
SMART SOCKET™ 8000/10800-M (Metric range: 1100-10800)	23690	65mm (2-9/16)	1.5"	4	121	115
	28722	70mm (2-3/4)	1.5"	4	121	105
	20885	80mm	1.5"	4	121	115
SMART SOCKET™ 12000/16200-M (Metric range: 1600-16200)	25657	90mm	1.5"	5.8	126	131
	25658	100mm (3-15/16)	1.5"	7.2	132	146

Achieves ±1% accuracy or better throughout the primary range | *Must be used with a deep reaction arm

RAD CALIBRATION SYSTEMS

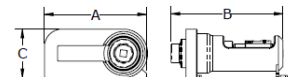
SMALL CALIBRATION SYSTEM



TRANSDUCER FEATURES

- Ranges up to 7,000 ft-lb / 9,500 Nm
- Screen on transducer allows for convenient reading
- Connect to RAD Torque Transducer Software via your computer or tablet
- Classified to BS 7882:2017 as Class 1 or better for the primary range ($\pm 0.5\%$ of reading from 20% to 100% of full scale)

Transducer



IMPERIAL

Part Number	Description	Torque (ft-lb)		Drive Size	Weight (lbs.)	Dimension A (in)	Dimension B (in)	Dimension C (in)
		Low	High					
23442	RAD Calibration System 1500	50	1500	.75"	40	11.75	11.53	5.50
23443	RAD Calibration System 3500	50	3500	.75"-1"	85	14.5	13.53	7
23444	RAD Calibration System 7000	100	7000	.75"-1.5"	86	14.5	13.53	7

METRIC

Part Number	Description	Torque (Nm)		Drive Size	Weight (Kg)	Dimension A (mm)	Dimension B (mm)	Dimension C (mm)
		Low	High					
23442	RAD Calibration System 1500	68	2000	.75"	18.1	298	293	140
23443	RAD Calibration System 3500	68	4750	.75"-1"	38.5	368	344	178
23444	RAD Calibration System 7000	136	9500	.75"-1.5"	39	368	344	178

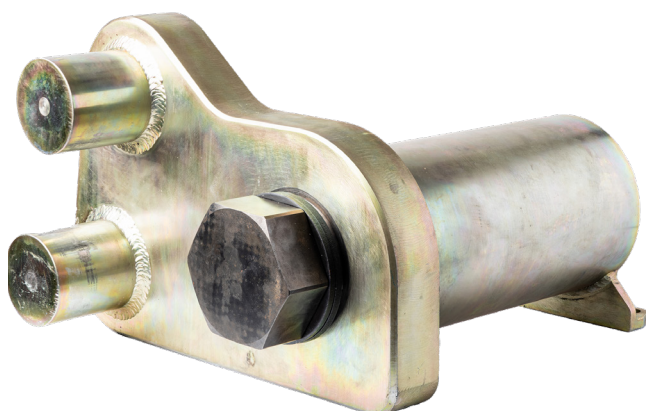
Highly Accurate Calibration Systems



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

Introducing the solution for big torque tools – RAD Torque's Large Calibration Stand. With the power to calibrate tools up to a whopping 18K ft-lb / 24K Nm, precision meets extreme performance. The Large Calibration Stand is paired with RAD's Smart Sockets (12K and 18K*) to calibrate in two different sizes.

LARGE CALIBRATION SYSTEM



SYSTEM FEATURES

- 4340-material bolt, heat-treated for unparalleled strength and durability
- Optional 12K or 18K* Smart Sockets, delivering accurate data logging for all your calibration needs
- Secure shipping crate to protect your investment

Included 12K & 18K* SMART SOCKETS™



IMPERIAL

Part Number	Description	Torque (ft-lb)		Drive Size	Weight (lbs.)	Dimension A (in)	Dimension B (in)	Dimension C (in)
		Low	High					
30526	RAD 12K CALIBRATION SYSTEM	600	12K	1.5"	235	15.08	19.70	10.60
33736	RAD 15K CALIBRATION SYSTEM*	900	15K	2.5"	235	15.08	19.70	10.60

METRIC

Part Number	Description	Torque (Nm)		Drive Size	Weight (Kg)	Dimension A (mm)	Dimension B (mm)	Dimension C (mm)
		Low	High					
30526	RAD 12K CALIBRATION SYSTEM	800	16K	1.5"	106.5	383	501	270
33736	RAD 15K CALIBRATION SYSTEM*	1200	20K	2.5"	106.5	383	501	270

*Must be used with a deep reaction arm

ACCESSORIES

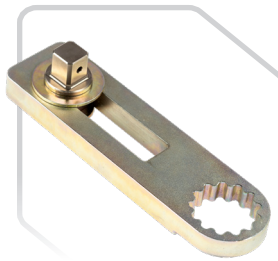
Leading the Bolting Industry in Safety

RAD SAFETY

Ergonomics and safety are very important during the design phase of any new RAD tool. In addition to making the job safer through ergonomic design, 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) and 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



Reaction Arms



Hand Guards



Trigger Guard

B-RAD X ACCESSORIES



Rear Handle

PN: 30391

The rear handle is for vertical use, or with the sling in horizontal applications for improved leverage.



Top Handle

PN: 30392

The top handle is intended for horizontal applications, or applications that can tolerate the extra envelope this adds to the tool.



Soft Sling

PN: 30393

Great for horizontal or vertical applications and allows the tool to easily pivot between these two orientations.

RAD REACTION ARMS

Reaction arms are essential for safe, accurate, and consistent torque application. Every RAD tool comes with a reaction arm included in the case. We offer eight main reaction arm styles to suit a wide range of applications. Visit our website to explore the full collection.

Need something unique? We also design custom reaction arms tailored to your specific requirements.

Scan for more information



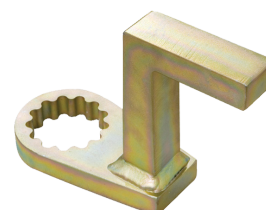
Angle Arm



Deep Angled Arm



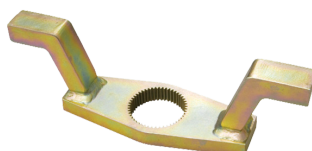
90 Degree Arm



Deep 90 Degree Arm



Cast Arm



Double Ended Arm



Blank



Double Ended Blank

RAD Nose Extensions

Some jobs require access to tight or hard-to-reach spaces. RAD Torque Systems offers a wide range of solutions for these common but difficult applications, including OTR wheel bolting applications. We offer nose extensions with a fixed reaction paddle, as well as ones without any reaction arm to facilitate additional flexibility.



Need something specific? Talk to us about designing a custom nose extension tailored to meet your requirements.

RAD Torque Tool Limited Warranty

New Tool Warranty

Any new tool branded with the RAD name and purchased from New World Technologies Inc., or through one of its authorized distributors or agents, is warranted to the original purchaser against defects in materials and workmanship for a period of one (1) year from the date of original calibration. Electric drive components such as electric motors, switches, and batteries etc., are covered for a period of six (6) months from the date of original calibration. Under the terms of this warranty, New World Technologies Inc., at its option and F.O.B. either its factory or an authorized service center, will replace or repair for the original purchaser, free of charge, any part or parts, found upon examination by New World Technologies Inc., to be defective in material or workmanship or both. If any product or part is replaced or repaired under the terms of this warranty, that product or part will carry the remainder of the warranty from the date of original calibration.

Repaired Tool Warranty

Once a tool is beyond its new tool warranty, New World Technologies Inc., for a period of three (3) months from the date of repair, will replace or repair for the original purchaser, free of charge, any part or parts, found upon examination by New World Technologies Inc., to be defective in material or workmanship or both. If any product or part is replaced or repaired under the terms and conditions of this warranty, that product or part will carry the remainder of the warranty from the date of original repair.

To qualify for the above mentioned warranties, written notice to New World Technologies Inc. must be given immediately upon discovery of such defect, at which time New World Technologies Inc. will issue an authorization to return the tool. The defective item must promptly be returned to New World Technologies Inc. all freight charges prepaid. When returning a tool, the reaction arm/s being used with the tool must also be returned.

Exclusions from Warranty

Tools or accessories found by New World Technologies Inc.'s sole judgement to have been altered, damaged, misused, abused, badly worn due to excessive utilization, lost, or improperly maintained will NOT be covered under the terms of this warranty.

Tools returned without the reaction arm/s will not be covered under the terms of this warranty.

Consumable parts and accessories (such as extensions, reaction blanks/arms) are not covered under this warranty.

Tools that have been relabeled without prior written consent of New World Technologies Inc. will not be covered under this warranty.

Equipment and accessories not manufactured by New World Technologies Inc. (measuring equipment, etc.) are warranted only to the extent of the original manufacturer's warranty.

**There is no other express warranty. Implied warranties, including those of merchantability and fitness for a particular purpose are limited to one year from date of calibration and to the extent permitted by law. Liability for consequential damages under any and all warranties are excluded to the extent exclusion is permitted by law.*

New World Technologies Inc.
1.800.983.0044
info@radtorque.com



WORLDWIDE DISTRIBUTION



RAD Torque Systems works with a global group of Master Distributors to deliver our tools around the world. This worldwide distribution network ensures that you have access to our tools whenever and wherever you need them. This distribution network helps us stay engaged with customers and their needs so we can quickly adapt to changing industry and introduce new products as needed to meet these evolving demands.

Our worldwide distribution and sales network is a key component of our commitment to delivering high-quality tools and exceptional customer service.

Contact us at info@radtorque.com and we'll connect you with your local distributor!



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