



ADVANCED
TORQUE
TECHNOLOGY



B-RAD X
TORQUE UP TO
11,000 FT LBS
15,000 NM



RAD PNEUMATIC



E-RAD BLU



B-RAD BATTERY



V-RAD ELECTRIC



AUDIT EQUIPMENT

2023 | **PRODUCT CATALOGUE**

CONTENTS

OUR STORY	4
Company Profile	6
What is RAD Torque Systems?	7
Our Manufacturing Facility	8
Custom Tools	9
ISO 17025 Accredited Calibration Lab	9
Finding The Right Tool	10
RAD PNEUMATIC SERIES	12
RAD Single Speed	14
RAD High Speed	16
RAD Wheel Nut Bolting & OTR Mining	18
E-RAD BLU SERIES	20
E-RAD BLU	22
E-RAD BLU-S	24
B-RAD BATTERY SERIES	26
B-RAD Xtreme	28
B-RAD Select	30
B-RAD Select Offset	32
B-RAD S	34
DIGITAL B-RAD	36
V-RAD ELECTRIC SERIES	38
V-RAD Select	40
AUDIT EQUIPMENT	42
RAD Smart Sockets™	44
RAD Calibration Systems	46
ACCESSORIES	48
RAD Safety Accessories	50
Nose Extensions	50
Reaction Arms	51
Regulator and Tool Holder	51
RAD LIMITED WARRANTY	53

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 close to 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 to a new 60,000 sq. ft. state-of-the-art manufacturing facility. As part of this expansion, RAD has invested millions of dollars in new CNC Machines to keep up with growing demand.

RAD Torque System has:

- 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)

RAD Torque Systems also has a team of mechanical, electrical and software engineers who play a vital role in the research and development of all 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.

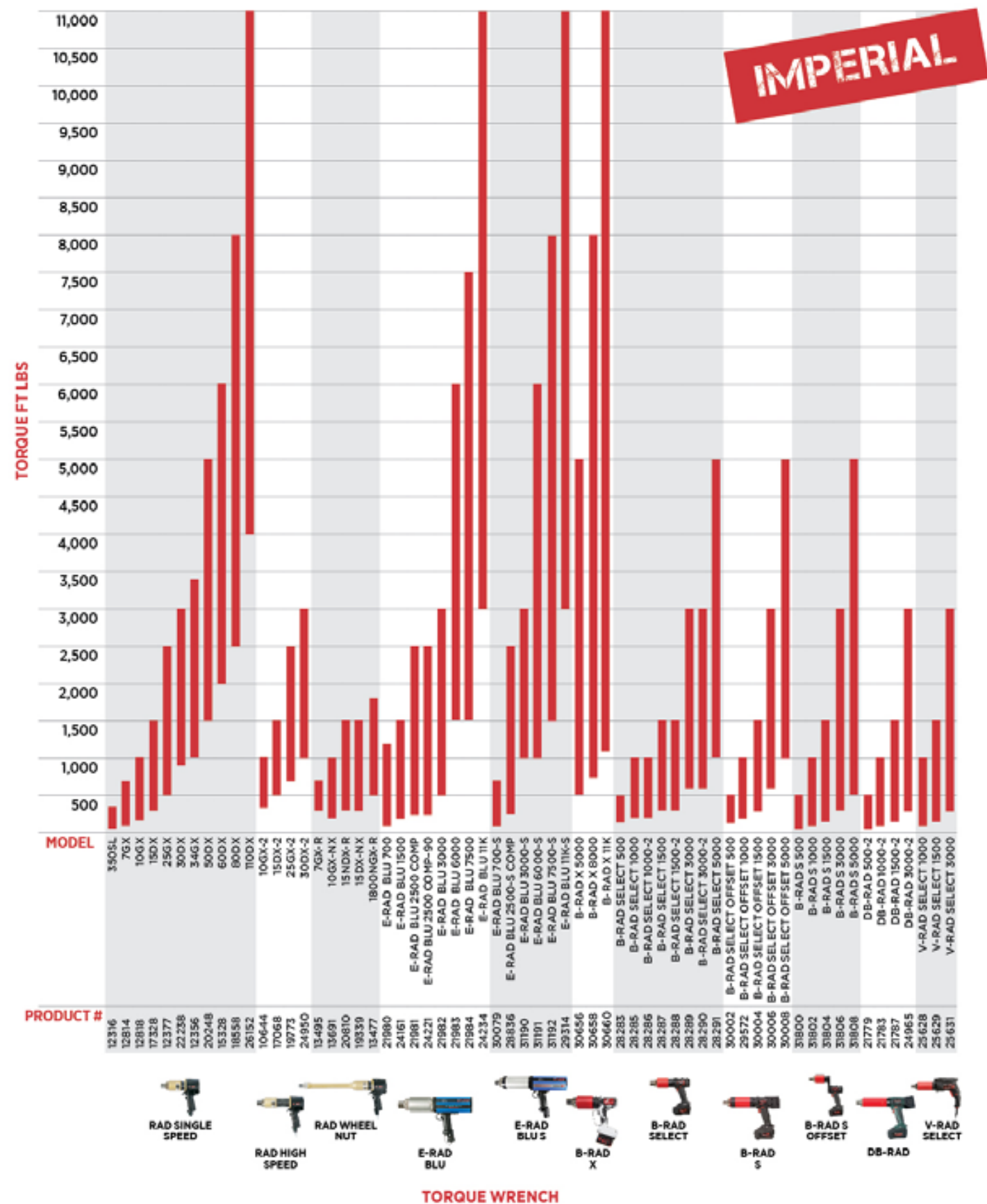


ISO 17025 Accredited Calibration Lab

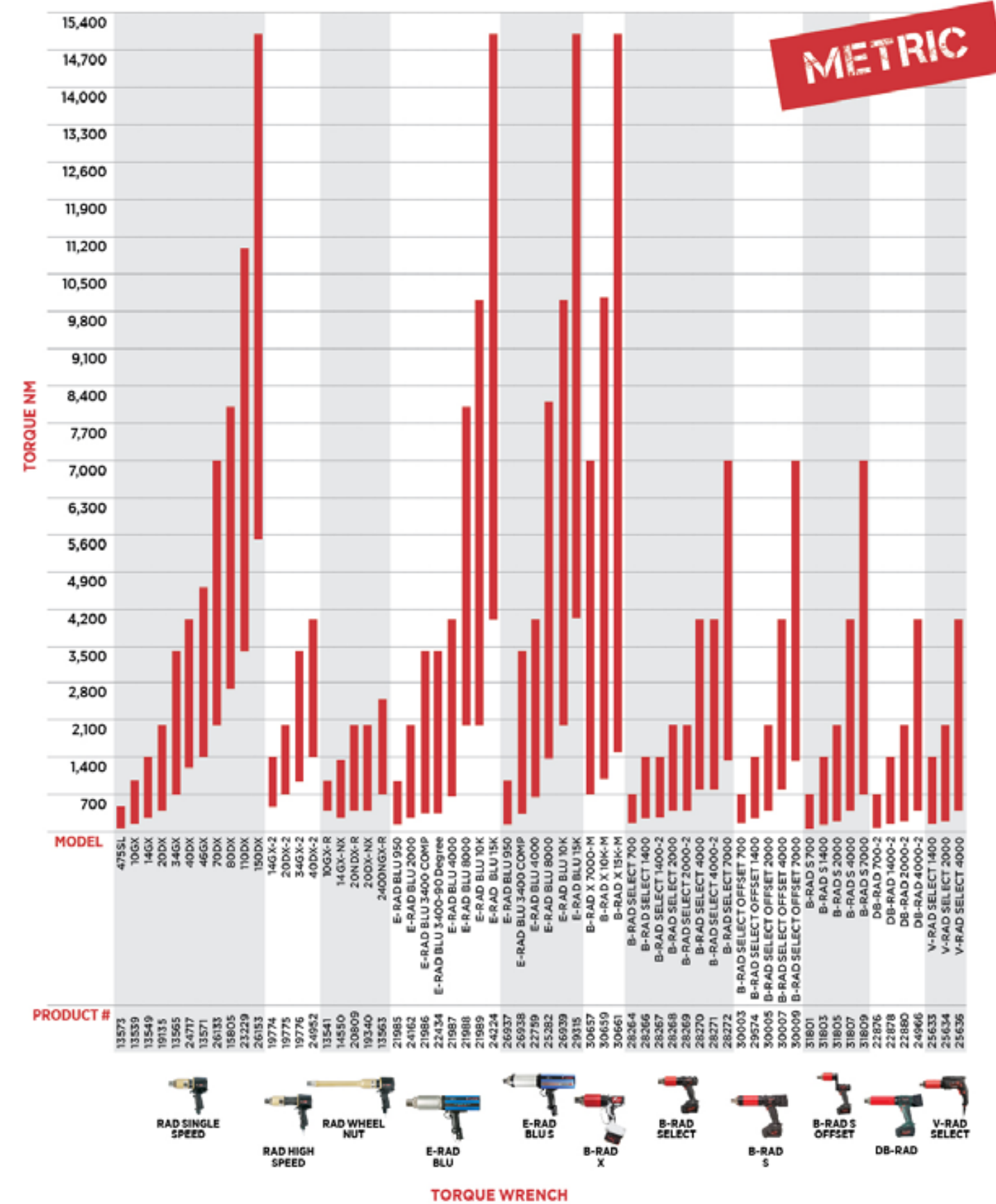
RAD Torque Systems has an accredited calibration laboratory to ensure maximum quality and calibration traceability (Cert # L2325 Calibration). Our calibration lab is committed to the professional practice and to the quality and impartiality of its calibration service. Our calibrations are performed only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



Find The Right Tool



With The Right Torque



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

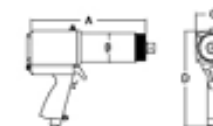
Nearly 30 years of experience in gearbox engineering and design has brought about our latest generation in planetary gearboxes – RAD Single Speed. Designed for extreme duty use in a variety of industries worldwide, RAD Single Speed torque wrenches offer:

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 +/- 4% and repeatability of +/- 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. lbs.) LOW	TORQUE (ft. lbs.) HIGH	RPM	WEIGHT (lbs.)	NOISE LEVEL	DIMENSION A	DIMENSION B	DIMENSION C	DIMENSION D
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"

METRIC

PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE (Nm) LOW	TORQUE (Nm) HIGH	RPM	WEIGHT (Kg)	NOISE LEVEL	DIMENSION A (mm)	DIMENSION B (mm)	DIMENSION C (mm)	DIMENSION D (mm)
13573	475SL	0.75"	70	475	65	2.7	80 db	167	61	70	222
13539	10GX	0.75"	150	950	30	3.6	80 db	228	63	70	228
13549	14GX	0.75"	275	1400	20	3.8	80 db	228	63	70	228
19135	20DX	1.0"	400	2000	10	4.0	80 db	203	69	70	228
13565	34GX	1.0"	700	3400	9	6.1	85 db	240	78	83	241
24717	40DX	1.0"	1200	4000	8	6.7	85 db	254	81	83	241
13571	*46GX	1.0"	1400	4600	12	9.0	85 db	317	86	94	274
26133	70DX	1.5"	2000	7000	6.7	10.6	85 db	285	95	95	264
15805	80DX	1.5"	2700	8000	6.6	12.4	85 db	348	101	101	276
23229	110DX	1.5"	3400	11000	4	13.7	85 db	308	108	108	270
26153	150DX	1.5"	5500	15000	3	18.9	85 db	353	127	127	281

Accuracy of +/-4%, Repeatability of +/-2% | *Also available in a 1.5" square drive.

PNEUMATIC



RAD HIGH SPEED



Extreme duty torque wrenches with high RPM productivity

PNEUMATIC



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 $\pm 4\%$ and repeatability of $\pm 2\%$

FRL UNIT

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



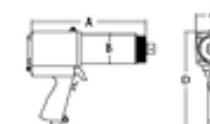
IMPERIAL

PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE (ft. lbs.) LOW HIGH	RPM	WEIGHT (lbs.)	NOISE LEVEL	DIMENSION A	DIMENSION B	DIMENSION C	DIMENSION D
10644	10GX-2	0.75"	350 1000	85	9.9	80 db	10.3"	2.5"	2.75"	8.1"
17068	15DX-2	1.0"	500 1500	50	10.5	80 db	9.9"	2.7"	2.75"	8.1"
19773	25GX-2	1.0"	700 2500	44	16.6	80 db	12.0"	3.1"	3.3"	10.0"
24950	30DX-2	1.0"	1000 3000	49	16.1	80 db	12.2"	3.2"	2.75"	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)
19774	14GX-2	0.75"	475 1400	85	4.5	80 db	261	63	70	205
19775	20DX-2	1.0"	700 2000	50	4.7	80 db	251	68	70	205
19776	34GX-2	1.0"	950 3400	44	7.5	80 db	305	78	84	254
24952	40DX-2	1.0"	1400 4000	49	7.3	80 db	309	81	83	254

Accuracy of $\pm 4\%$, Repeatability of $\pm 2\%$



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.

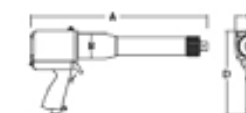
IMPERIAL

PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE (ft. lbs.) LOW	TORQUE (ft. lbs.) HIGH	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"	2.5"	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"	2.7"	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"

METRIC

PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE (Nm) LOW	TORQUE (Nm) HIGH	RPM	WEIGHT (kg)	NOISE LEVEL	DIMENSION A (mm)	DIMENSION B (mm)	DIMENSION C (mm)	DIMENSION D (mm)	DIMENSION E (mm)
13541	10GX-R	0.75"	400	950	115	5.4	80 db	368	63	50	70	228
14550	14GX-NX	0.75"	275	1350	20	3.6	80 db	207	63	64	70	205
20809	20NDX-R	1.0"	400	2000	10	7.2	80 db	542	68	68	70	203
19340	20DX-NX	1.0"	400	2000	10	3.9	80 db	203	68	69	70	205
13563	2400NGX-R	1.0"	700	2400	10	12.4	85 db	546	76	50	83	241

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



PNEUMATIC



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



E-RAD BLU

ELECTRONIC



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. lbs.) LOW	TORQUE (ft. lbs.) HIGH	RPM 120V	RPM 230V	WEIGHT (lbs.)	DIMENSION A	DIMENSION B	DIMENSION C	DIMENSION D
21980	E-RAD BLU 700	0.75"	100	700	15	30	12	13.25"	2.5"	3.0"	10.65"
24161	E-RAD BLU 1500	1.0"	200	1500	8	16	13	13.28"	2.7"	3.0"	10.65"
21981	E-RAD BLU 2500 COMP	1.0"	250	2500	4.9	10	18	14.8"	3.0"	3.0"	10.65"
24221	E-RAD BLU 2500 COMP-90 Degree	1.0"	250	2500	6	12	18	9.65"	3.0"	3.1"	11.83"
21982	E-RAD BLU 3000	1.0"	500	3000	4.1	8.5	23.5	16.75"	3.4"	3.5"	11.29"
21983	E-RAD BLU 6000	1.5"	1500	6000	2.1	4.5	29	16.5"	4.0"	3.5"	11.29"
21984	E-RAD BLU 7500	1.5"	1500	7500	1.5	3	33	17.0"	4.25"	4.25"	11.29"
24234	*E-RAD BLU 11K	1.5"	3000	11000	1.2	2.3	43	18.3"	5.0"	5.0"	11.29"

METRIC

PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE (Nm) LOW	TORQUE (Nm) HIGH	RPM 120V	RPM 230V	WEIGHT (Kg)	DIMENSION A (mm)	DIMENSION B (mm)	DIMENSION C (mm)	DIMENSION D (mm)
21985	E-RAD BLU 950	0.75"	135	950	15	30	5.5	340	65	78	275
24162	E-RAD BLU 2000	1.0"	270	2000	8	16	5.9	337	69	78	275
21986	E-RAD BLU 3400 COMP	1.0"	340	3400	4.9	10	7.6	380	76	78	275
22434	E-RAD BLU 3400-90 Degree	1.0"	340	3400	6	12	8.3	210	76	78	300
21987	E-RAD BLU 4000	1.0"	675	4000	4.1	8.5	11	430	86	88	287
21988	E-RAD BLU 8000	1.5"	2000	8000	2.1	4.5	13.5	419	100	100	287
21989	E-RAD BLU 10K	1.5"	2000	10000	1.5	3	15	432	105	105	287
24224	*E-RAD BLU 15K	1.5"	4000	15000	1.2	2.3	20	465	127	127	287

Accuracy of $\pm 2.8\%$, Repeatability of $\pm 2\%$ | *Also available in a 2.5" square drive.



90 DEGREE

OFFSET

SHOWN WITH OPTIONAL MOUNTING ACCESSORY

E-RAD BLU-S

Supreme Transducer Technology with High Accuracy

ELECTRONIC



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

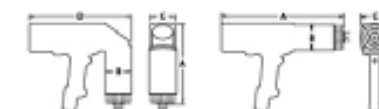
TOUCH CONTROL CASE

- 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



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. lbs.) LOW	TORQUE (ft. lbs.) HIGH	RPM 120V	RPM 230V	WEIGHT (lbs.)	DIMENSION A	DIMENSION B	DIMENSION C	DIMENSION D
30079	E-RAD BLU-S 700	0.75"	100	700	15	30	13	14.96"	2.84"	3.03"	10.65"
28836	E-RAD BLU-S 2500 COMP	1.0"	250	2500	5	10	19	16.21"	3.41"	3.03"	10.65"
31190	E-RAD BLU-S 3000	1.0"	500	3000	5	10	24.5	17.76"	3.73"	3.48"	11.29"
31191	E-RAD BLU-S 6000	1.5"	1000	6000	2.1	4.5	30	17.71"	4.35"	3.48"	11.29"
31192	E-RAD BLU-S 7500	1.5"	1500	8000	1.5	3	34	18.53"	4.48"	3.48"	11.29"
29314	E-RAD BLU-S 11K	1.5"	3000	11000	1.5	2.3	44	19.81"	5.21"	3.48"	11.29"

METRIC

PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE (Nm) LOW	TORQUE (Nm) HIGH	RPM 120V	RPM 230V	WEIGHT (Kg)	DIMENSION A (mm)	DIMENSION B (mm)	DIMENSION C (mm)	DIMENSION D (mm)
26937	E-RAD BLU-S 950	0.75"	135	950	15	30	5.9	380	72	77	270.5
26938	E-RAD BLU 3400-S COMP	1.0"	340	3400	5	10	8.6	412	87	77	270.5
22759	E-RAD BLU-S 4000	1.0"	675	4000	5	10	11.1	451	95	88	287
25282	E-RAD BLU-S 8000	1.5"	1385	8100	2.1	4.5	13.6	450	110.5	88	287
26939	E-RAD BLU-S 10K	1.5"	2000	10000	1.5	3	15.4	471	114	88	287
29315	E-RAD BLU-S 15K	1.5"	4050	15000	1.5	2.3	20	503	132	88	287

Accuracy of +/- 2.8%, Repeatability of +/- 2% | *Also available in a 2.5" square drive.



B-RAD BATTERY

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. lbs./ 15,000 Nm with the all-new B-RAD Xtreme, which is available in three different sizes.

INCLUDED ACCESSORIES

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



PNEUMATIC



ELECTRONIC



BATTERY



ELECTRIC



AUDIT EQUIPMENT



B-RAD XTREME

NEW!



DISPLAY

All New Tool with Extreme Battery-Powered Torque!

The all-new B-RAD Xtreme (B-RAD X) raises the bar for torque range capacity with a battery tool, maxing out at an impressive 11,000 ft. lbs. / 15,000 Nm. – making the B-RAD X officially the biggest cordless torque tool on the market. Plus, with 4% accuracy this tool will stand up to the toughest scrutiny. The B-RAD X captures attention with its sleek new white design and rubber handle paired with RAD Torque's patented and world-renowned gearbox technology.

MODELS

- B-RAD X 5,000 ft. lbs. / 7,000 Nm
- B-RAD X 8,000 ft. lbs. / 10,000 Nm
- B-RAD X 11,000 ft. lbs. / 15,000 Nm

FEATURES

- Brushless DC motor for added durability and accuracy
- Redesigned anti-fatigue trigger switch
- Standard hand-guard for added operator protection
- Two-hand start options to prevent hand injuries
- Battery latch lock to protect batteries from falling
- 4-button interface with high-contrast LED display provides feedback during operation.

ACCESSORIES



SOFT SLING

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



TOP HANDLE

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



REAR HANDLE

The rear handle is intended for vertical applications, or for use in conjunction with the sling in horizontal applications to provide a better leverage point over just the handle by itself.



IMPERIAL

PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE (FT LBS) LOW	TORQUE (FT LBS) HIGH	RPM	WEIGHT (lbs)	DIMENSION A (in)	DIMENSION B (in)	DIMENSION C (in)	DIMENSION D (in)
30656	B-RAD X 5000	1.5"	500	5000	2.4	23	12.5	3.75	3.75	14.25
30658	B-RAD X 8000	1.5"	740	8000	1.7	30	13.75	4.25	4.25	14.5
30660	B-RAD X 11K	1.5"	1100	11000	1.2	42	15.25	5	5	14.75

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)
30657	B-RAD X 7000-M	1.5"	700	7000	2.4	10.5	318	95	95	362
30659	B-RAD X 10K-M	1.5"	1000	10850	1.7	13.8	349	108	108	369
30661	B-RAD X 15K-M	1.5"	1500	15000	1.2	19.3	387	127	127	375

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

BATTERY



B-RAD SELECT



DISPLAY

Torque ranges up to 5000 ft. lbs. / 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. lbs./ 10 Nm
- Torque ranges up to 5,000 ft. lbs./ 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, light weight, shock proof. Designed to protect your RAD investment.

BATTERY



IMPERIAL

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 SELECT 500	0.75"	130	500	21.5	7.7	9.1"	2.5"	2.65"	10.3"
28285	B-RAD SELECT 1000	0.75"	200	1000	10.5	7.8	9.1"	2.5"	2.65"	10.3"
28286	B-RAD SELECT 1000-2	0.75"	400	1000	71	9.4	11"	2.5"	2.65"	10.3"
28287	B-RAD SELECT 1500	1.0"	300	1500	6	8.9	9.6"	2.7"	2.7"	10.3"
28288	B-RAD SELECT 1500-2	1.0"	300	1500	19.5	10.7	11.75"	2.7"	2.7"	10.3"
28289	B-RAD SELECT 3000	1.0"	600	3000	3	13.3	11.2"	3.2"	3.2"	10.5"
28290	B-RAD SELECT 3000-2	1.0"	600	3000	20	14.7	13.25"	3.2"	3.2"	10.5"
28291	B-RAD SELECT 5000	1.5"	1000	5000	2.1	19.3	11.6"	3.75"	3.75"	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	0.75"	170	700	21.5	3.5	231	63	67	262
28266	B-RAD SELECT 1400	0.75"	270	1400	10.5	3.5	231	63	67	262
28267	B-RAD SELECT 1400-2	0.75"	540	1400	71	4.3	279	63	67	262
28268	B-RAD SELECT 2000	1.0"	400	2000	6	4.0	244	69	69	262
28269	B-RAD SELECT 2000-2	1.0"	400	2000	19.5	4.9	298	69	69	262
28270	B-RAD SELECT 4000	1.0"	800	4000	3	6.0	285	81	81	266
28271	B-RAD SELECT 4000-2	1.0"	800	4000	20	6.7	337	81	81	266
28272	B-RAD SELECT 7000	1.5"	1350	7000	2.1	8.8	295	95	95	272

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



B-RAD SELECT OFFSET



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

- Now with digital torque settings, able to increase or decrease the value by 10 ft. lbs./ 10 Nm
- Torque ranges up to 5,000 ft. lbs./ 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, light weight, shock proof. Designed to protect your RAD investment.



IMPERIAL

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	DIMENSION E	DIMENSION F
30002	B-RAD SELECT OFFSET 500	0.75"	130	500	21.5	8.7	10.2"	6.1"	2.5"	10.3"	3.3"	3.3"
29572	B-RAD SELECT OFFSET 1000	0.75"	200	1000	10.5	8.8	10.3"	6.1"	2.5"	10.3"	3.3"	3.3"
30004	B-RAD SELECT OFFSET 1500	1.0"	300	1500	6	9.9	10.9"	6.8"	2.7"	10.3"	3.4"	3.3"
30006	B-RAD SELECT OFFSET 3000	1.0"	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	TORQUE (Nm) 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	0.75"	170	700	21.5	3.9	260	155	63	262	83	83
29574	B-RAD SELECT OFFSET 1400	0.75"	270	1400	10.5	3.9	260	165	63	262	83	83
30005	B-RAD SELECT OFFSET 2000	1.0"	400	2000	6	4.4	277	172	69	262	86	83
30007	B-RAD SELECT OFFSET 4000	1.0"	800	4000	3	6.4	312	208	81	262	92	83
30009	B-RAD SELECT OFFSET 7000	1.5"	1350	7000	2.1	9.2	335	230	95	262	100	83

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



B-RAD S



DISPLAY

Battery torque wrench with built-in transducer

Equipped with a built-in transducer, the B-RAD S makes logging torque output easier and more efficient than ever with its ability to read and display torque in real time. The transducer enables the B-RAD S to audit previously tightened bolts – accurately measuring the applied torque and creating zero risk of an over-torque. The B-RAD S includes Bluetooth connectivity, torque and angle operation, and automatic release of the reaction arm to minimize your downtime and maximize your torque output.

FEATURES

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

CASE

Durable, light weight, shock proof. Designed to protect your RAD investment.

IMPERIAL

PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE (ft. lbs.) LOW	TORQUE (ft. lbs.) HIGH	RPM	WEIGHT (lbs.)	NOISE LEVEL	DIMENSION A	DIMENSION B	DIMENSION C	DIMENSION D
31800	B-RAD S 500	0.75"	50	500	21	9.2	85	12.25"	2.48"	2.75"	10"
31802	B-RAD S 1000	0.75"	100	1000	9.6	9.4	85	12.25"	2.48"	2.75"	10"
31804	B-RAD S 1500	1.0"	150	1500	5.6	10.8	85	12.63"	2.7"	2.75"	10"
31806	B-RAD S 3000	1.0"	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	TORQUE (Nm) HIGH	RPM	WEIGHT (kg)	NOISE LEVEL	DIMENSION A (mm)	DIMENSION B (mm)	DIMENSION C (mm)	DIMENSION D (mm)
31801	B-RAD S 700	0.75"	70	700	21	4.2	85	311	63	70	254
31803	B-RAD S 1400	0.75"	135	1400	9.6	4.3	85	311	63	70	254
31805	B-RAD S 2000	1.0"	200	2000	5.6	4.9	85	321	69	70	254
31807	B-RAD S 4000	1.0"	400	4000	3.0	7.2	85	337	81	81	257
31809	B-RAD S 7000	1.5"	700	7000	1.9	9.8	85	362	95	95	267

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

BATTERY



DIGITAL B-RAD

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.

BATTERY



FEATURES

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

CASE

Durable, light weight, shock proof. Designed to protect your RAD investment.



DISPLAY

PART NUMBER	DESCRIPTION
26400	DB-RAD ANGLE OPTION

IMPERIAL

PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE (ft. lbs.) LOW	TORQUE (ft. lbs.) HIGH	RPM	WEIGHT (lbs.)	NOISE LEVEL	DIMENSION A	DIMENSION B	DIMENSION C	DIMENSION D
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"

METRIC

PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE (Nm) LOW	TORQUE (Nm) HIGH	RPM	WEIGHT (Kg)	NOISE LEVEL	DIMENSION A (mm)	DIMENSION B (mm)	DIMENSION C (mm)	DIMENSION D (mm)
22876	DB-RAD 700-2	0.75"	70	700	59	5.0	80 db	321	63	63	279
22878	DB-RAD 1400-2	0.75"	140	1400	19	5.2	80 db	330	63	63	279
22880	DB-RAD 2000-2	1.0"	200	2000	17	5.3	80 db	330	68	68	279
24966	DB-RAD 4000-2	1.0"	400	4000	9	7.1	80 db	398	81	81	279

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



V-RAD SELECT

SERIES

LIGHTWEIGHT + COMPACT ELECTRIC POWERED

V-RAD Select Series offers a lightweight electric torque wrench, with feature designed to delivery accuracy in an easy-to-use tool.

INCLUDED ACCESSORIES

- All V-RAD Electrical Series Tool Includes:
- Reaction arm & retaining ring
- Weatherproof storage case
- Calibrated to ISO 17025 standards



PNEUMATIC



ELECTRONIC



BATTERY



ELECTRIC



AUDIT EQUIPMENT



V-RAD SELECT

Quick adjust torque with equal power in forward and reverse

ELECTRIC



V-RAD Select electric torque wrench is 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.

FEATURES

- Torque ranges up to 3,000 ft. lbs./ 4,000 Nm
- Digital torque settings to increase and decrease the value by 10 ft. lbs./ 10 Nm
- Available in both 120V or 230V

CASE

Durable, light weight, shock proof. Designed to protect your RAD investment.



IMPERIAL

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
25628	V-RAD SELECT 1000	0.75"	100	1000	8.8	8.6	12"	2.5"	2.9"	8"
25629	V-RAD SELECT 1500	1.0"	150	1500	5.7	9.6	12.25"	2.7"	2.9"	8"
25631	V-RAD SELECT 3000	1.0"	300	3000	2.7	13.7	13.5"	3.1"	3.1"	8"

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)
25633	V-RAD SELECT 1400	0.75"	140	1400	8.8	3.9	305	64	74	203
25634	V-RAD SELECT 2000	1.0"	200	2000	5.7	5.9	311	69	74	203
25636	V-RAD SELECT 4000	1.0"	400	4000	2.7	6.2	343	79	79	203

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



RAD AUDIT EQUIPMENT

SERIES

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 centers 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



PNEUMATIC



ELECTRONIC



BATTERY



ELECTRIC



AUDIT EQUIPMENT



RAD SMART SOCKETS™



Strain gauge technology measures torque with instant read-out



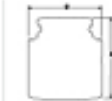
RAD Smart Sockets™ use RAD Torque's transducer technology combined with a custom socket to measure the actual torque applied to the bolt during a torque cycle. By innovative design, the Smart Sockets™ is no larger than a standard socket. Its compact size and innovative technology makes the Smart Sockets™ a perfect audit tool for inspecting bolted joints and it can function as a master calibration for various torque tools. 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
- Transducer accuracy of +/-1%

CASE

Durable, light weight, shock proof. Designed to protect your RAD investment.



IMPERIAL

PART NUMBER	SMART SOCKET MODEL	TORQUE (ft. lbs.)		DRIVE SIZE	WEIGHT (lbs.)	DIMENSION	
		LOW	HIGH			HEIGHT A	DIAMETER B
20879	SMART SOCKET 33mm	150	1500	1"	2.65	3.94"	2.83"
21363	SMART SOCKET 36mm	150	1500	1"	2.65	3.42"	2.83"
22158	SMART SOCKET 41mm	150	1500	1"	2.65	3.42"	2.83"
20880	SMART SOCKET 46mm	150	1500	1"	2.65	3.42"	2.83"
20881	SMART SOCKET 50 mm	300	3000	1"	3.20	3.52"	3.39"
20882	SMART SOCKET 55mm	300	3000	1"	3.20	3.52"	3.39"
20883	SMART SOCKET 60mm	300	3000	1"	3.20	3.52"	3.39"
23690	SMART SOCKET 65mm	800	8000	1.5"	8.7	4.75"	4.53"
20884	SMART SOCKET 70mm	800	8000	1.5"	8.7	4.75"	4.53"
20885	SMART SOCKET 80mm	800	8000	1.5"	8.7	4.75"	4.53"
25657	SMART SOCKET 90mm	800	12000	1.5"	12.8	4.95"	5.16"
25658	SMART SOCKET 100mm	800	12000	1.5"	15.9	5.21"	5.75"

METRIC

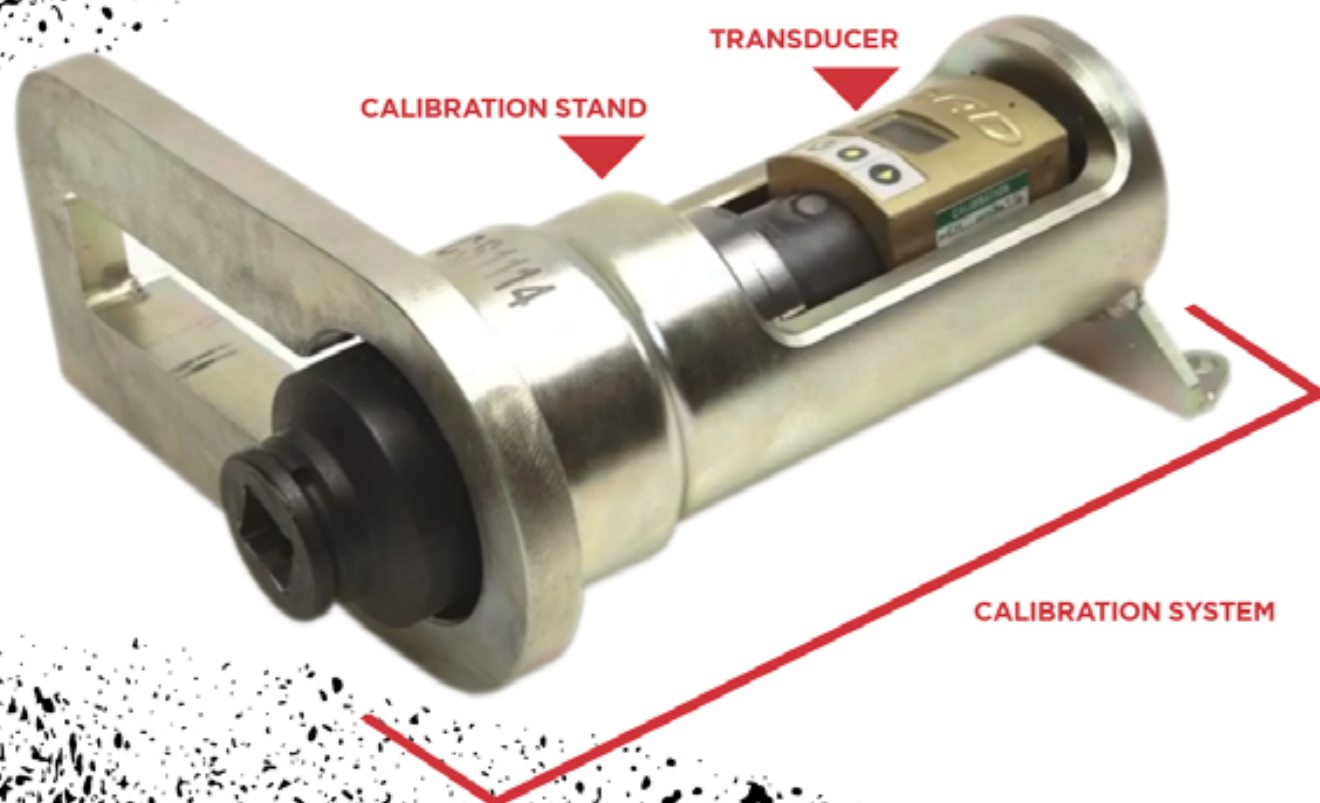
PART NUMBER	SMART SOCKET MODEL	TORQUE (Nm)		DRIVE SIZE	WEIGHT (Kg)	DIMENSION (mm)	
		LOW	HIGH			HEIGHT	DIAMETER
20879	SMART SOCKET 33mm	200	2000	1"	1.2	100	72
21363	SMART SOCKET 36mm	200	2000	1"	1.2	87	72
22158	SMART SOCKET 41mm	200	2000	1"	1.2	87	72
20880	SMART SOCKET 46mm	200	2000	1"	1.2	87	72
20881	SMART SOCKET 50mm	400	4000	1"	1.5	89	86
20882	SMART SOCKET 55mm	400	4000	1"	1.5	89	86
20883	SMART SOCKET 60mm	400	4000	1"	1.5	89	86
23690	SMART SOCKET 65mm	1100	10800	1.5"	4.0	121	115
20884	SMART SOCKET 70mm	1100	10800	1.5"	4.0	121	115
20885	SMART SOCKET 80mm	1100	10800	1.5"	4.0	121	115
25657	SMART SOCKET 90mm	1600	16200	1.5"	5.8	126	131
25658	SMART SOCKET 100mm	1600	16200	1.5"	7.2	132	146

Accuracy of +/-1%

RAD CALIBRATION SYSTEMS



TRANSDUCER



CALIBRATION SYSTEM

Highly accurate calibration system

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

TRANSDUCER FEATURES

- Ranges up to 7,000 ft. lbs. / 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 (+/-0.5% of reading from 20% to 100% of full scale)

CASE

Durable, light weight, shock proof. Designed to protect your RAD investment.



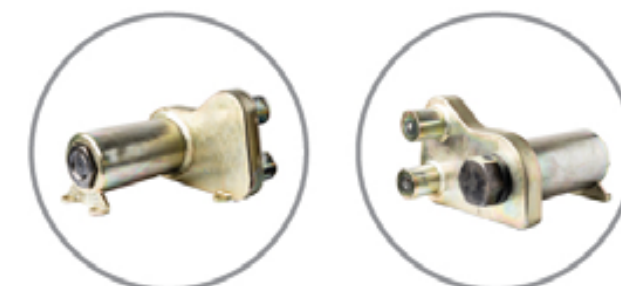
LARGE CALIBRATION STAND

COMING SOON!

Redesigned for the bigger RAD tools, the new Large Calibration Stands operate up to 18,000 ft. lbs. / 16,000 Nm. Featuring a rundown fixture designed and produced to accurately calibrate RAD tools over 7000 ft. lbs. / 24,000 Nm.

Available in two different sizes:

- 12,000 ft. lbs. / 16,000 Nm
- 18,000 ft. lbs. / 24,000 Nm



CALIBRATION STAND

IMPERIAL

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

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	100	2000	1.0"	1.8	142	60	69
23443	RAD CALIBRATION SYSTEM 3500	250	4750	1.5"	4.5	171	64	102
23444	RAD CALIBRATION SYSTEM 7000	475	9500	1.5"	4.9	171	64	102

AUDIT
EQUIPMENT



ACCESSORIES

LEADING THE BOLTING
INDUSTRY IN SAFETY



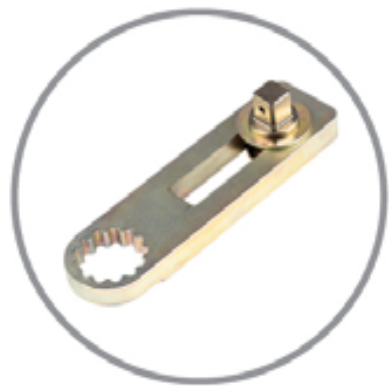
ACCESSORIES

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). 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



Trigger Guard



Hand Guards

RAD Nose Extensions

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



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

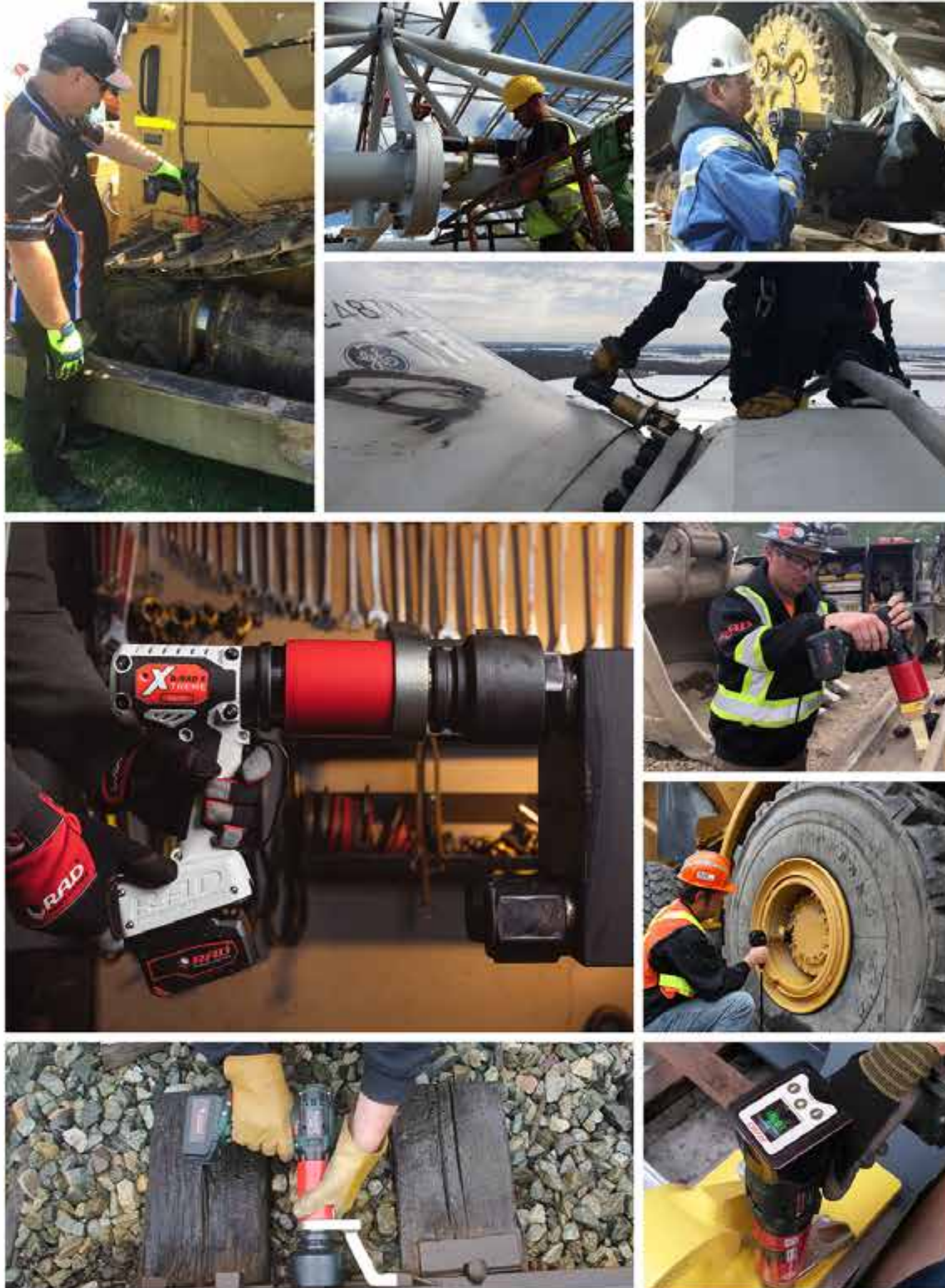
Regulator & Tool Holder

Our regulator and tool holder make it easy to carry the RAD Pneumatic tool from job to job.

FEATURES

- Offset handle for balanced carrying when the tool is stored in the storage pocket
- Comes complete with FRL and house assembly
- High-density polypropylene construction means the tool holder will stand up to the most demanding conditions
- Lightweight – only 4 lbs./ 1.8 Kgs
- Torque chart holder for quick reference
- Accessory pocket (6" x 6" or 152 x 152 mm) allows for quick and easy access to accessories such as reaction arms, snap rings and sockets





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!

07-2023



NEW WORLD TECHNOLOGIES INC
#100 - 30722 MARSHALL ROAD | ABBOTSFORD, BC V2T 0H9 | CANADA

RADTORQUE.COM