



ADVANCED
BOLTING
TECHNOLOGY



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RAILWAY

RAD TORQUE + **THE RAILWAY INDUSTRY**

KEEPING SAFETY ON **TRACK**

If you work in the railway industry, you know that bolts are a pivotal part of track construction and maintenance.

At RAD Torque Systems, we design tools to help you connect tracks, ties, and locomotive engines with extreme accuracy to ensure your safety and the safety of the communities through which those tracks run.

You might have worked with other tools – like impact wrenches – in the past. But RAD's torque wrenches – with torque control and continuous rotation – make bolting railway ties and tracks much more accurate, safe and simple.

Smart bolting

Our Smart Socket series allows you to measure the actual torque applied to a bolt during a torque cycle. This means you can take the guesswork out of bolting ties and tracks.

A tool for all torque needs

Depending on how long you've worked in the industry, you know that bolting screw spikes, as well as rail bolts and nuts used to be a grueling, multi-person job. But not anymore! A single technician can easily use RAD's wrenches. The RAD Single Speed, B-RAD Select, and E-RAD BLU also give you access to a variety of torque options up to 15,000 Nm.

Safe bolting

At RAD, we understand that safety is extremely important in your industry. Loose bolts can cause tracks to separate, which can lead to serious issues like derailment.

With our wrenches, you can rest assured that bolts are fastened with the correct amount of torque and can withstand wear from trains weighing thousands of tonnes.



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RAD SINGLE SPEED



Extreme-duty torque wrenches for heavy-duty applications!

- 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

PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE (Nm)		RPM
			LOW	HIGH	
13573	475SL	0.75"	70	475	65
13539	10GX	0.75"	150	950	30
13549	14GX	0.75"	275	1400	20
19135	20DX	1.0"	400	2000	10
13565	34GX	1.0"	700	3400	9
24717	40DX	1.0"	1200	4000	8
13571	*46GX	1.0"	1400	4600	12
26133	70DX	1.5"	2000	7000	6.7
15805	80DX	1.5"	2700	8000	6.6
23229	110DX	1.5"	3400	11000	4
26153	150DX	1.5"	5500	15000	3

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

B-RAD SELECT



Torque ranges up to 7,000 Nm!

- Now with digital torque settings, increase or decrease the value by 10 Nm.
- Torque ranges up to 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 as energy is used more efficiently

PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE (Nm)		RPM
			LOW	HIGH	
28264	B-RAD SELECT 700	0.75"	170	700	21.5
28266	B-RAD SELECT 1400	0.75"	270	1400	10.5
28267	B-RAD SELECT 1400-2	0.75"	270	1400	71
28268	B-RAD SELECT 2000	1.0"	400	2000	6
28269	B-RAD SELECT 2000-2	1.0"	400	2000	19.5
28270	B-RAD SELECT 4000	1.0"	800	4000	3
28271	B-RAD SELECT 4000-2	1.0"	800	4000	20
28272	B-RAD SELECT 7000	1.5"	1350	7000	2.1

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

E-RAD BLU



With E-RAD BLU Touch Control case!

- Designed to provide a high degree of accuracy (+/- 2.8%) and repeatability (+/- 2%)
- Patented gearbox design and electric AC Servo motor
- Delivers smooth continuous torque
- The most affordable system on the market

PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE (Nm)		RPM
			LOW	HIGH	
21985	E-RAD BLU 950	0.75"	135	950	15
24162	E-RAD BLU 2000	1.0"	270	2000	8
21986	E-RAD BLU 3400 COMP	1.0"	340	3400	4.9
22434	E-RAD BLU 3400-90 Degree	1.0"	340	3400	6
21987	E-RAD BLU 4000	1.0"	675	4000	4.1
21988	E-RAD BLU 8000	1.5"	2000	8000	2.1
21989	E-RAD BLU 10K	1.5"	2000	10000	1.5
24224	*E-RAD BLU 15K	1.5"	4000	15000	1.2

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

ABOUT RAD TORQUE SYSTEMS

More than 25 years of gearbox design and engineering.

As a leading Canadian manufacturer of pneumatic, battery powered and electronic pistol grip torque wrenches, our proprietary precision tools are successfully used in the oil and gas, wind energy, petrochemical, mining, aerospace and manufacturing industries around the world.

Over a decade ago, we pioneered and patented the first programmable digital torque technology enabling effortless data collection and highly precise Bluetooth calibration.

We continue to innovate and achieve the highest level of quality and performance. Our operations are designed for maximum flexibility and responsiveness, ensuring every customer receives outstanding service.

RAD Torque Systems is owned and operated by New World Technologies Inc., a company that 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.



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