



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 3,000 foot-pounds.

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 (FT.)		RPM
			LOW	HIGH	
12316	350SL	0.75"	50	350	65
12814	7GX	0.75"	100	700	30
12818	10GX	0.75"	200	1000	20
17328	15DX	1.0"	300	1500	10
12377	25GX	1.0"	500	2500	9
22238	30DX	1.0"	900	3000	8
12356	*34GX	1.0"	1000	3400	12
20248	50DX	1.5"	1500	5000	6.7
15328	60DX	1.5"	2000	6000	6.6
18558	80DX	1.5"	2500	8000	4
26152	110DX	1.5"	4000	11000	3

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

B-RAD SELECT



Torque ranges up to 5,000 ft. lbs.

- Now with digital torque settings, increase or decrease the value by 10 ft. lbs.
- Torque ranges up to 5,000 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.)		RPM
			LOW	HIGH	
28283	B-RAD SELECT 500	0.75"	130	500	21.5
28285	B-RAD SELECT 1000	0.75"	200	1000	10.5
28286	B-RAD SELECT 1000-2	0.75"	200	1000	71
28287	B-RAD SELECT 1500	1.0"	300	1500	6
28288	B-RAD SELECT 1500-2	1.0"	300	1500	19.5
28289	B-RAD SELECT 3000	1.0"	600	3000	3
28290	B-RAD SELECT 3000-2	1.0"	600	3000	20
28291	B-RAD SELECT 5000	1.5"	1000	5000	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 (FT.)		RPM
			LOW	HIGH	
21980	E-RAD BLU 700	0.75"	100	700	15
24161	E-RAD BLU 1500	1.0"	200	1500	8
21981	E-RAD BLU 2500 COMP	1.0"	250	2500	4.9
24221	E-RAD BLU 2500 COMP - 90 Degree	1.0"	250	2500	6
21982	E-RAD BLU 3000	1.0"	500	3000	4.1
21983	E-RAD BLU 6000	1.5"	1500	6000	2.1
21984	E-RAD BLU 7500	1.5"	1500	7500	1.5
24234	*E-RAD BLU 11K	1.5"	3000	11000	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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