

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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ADVANCED
BOLTING
TECHNOLOGY



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MINING

RAD TORQUE + THE MINING INDUSTRY

MINING THE BENEFITS OF TORQUE

If you work in the mining industry you probably rely on haul trucks to move extracted materials on and off site quickly, efficiently and safely. So when one of those trucks breaks down or needs maintenance, you have to race against the clock to get it back up and running.

RAD Torque Systems works with some of the largest mining companies in the world, so we understand the pressures faced by your workers and have designed tools to help minimize downtime and maximize torque.

Worry-free maintenance

You rely on some of the biggest haul trucks in the world for daily mining operations and they regularly need new tires and maintenance.

RAD's lightweight, high torque tools make routine tire changes quick and easy.

Weight off workers' shoulders

Mining involves strenuous physical labour, so we make sure our tools are ergonomically friendly.

You used to rely on big impact wrenches, but they were having a big impact on your mechanics' bodies. With RAD's wrenches, there is no impact. Users just have to set each tool to a specific torque and it is accurate to plus or minus five per cent.

For all your hauling needs

When it comes to the mining industry, haul trucks are RAD's specialty. Our wrenches are used to replace tires, but we also supply strut kits for the Caterpillar 797 and the Komatsu 980, tools for engine barring, track pads, final drive segments, cutting blades, mill liners, wheel nuts, and tie rod bolts.

Our tools are designed with mining in mind.



"I never realized how short we were coming up on proper torque specs until I started using RAD tools. The power in the 30DX is unbelievable for its size. No more loose bolts!"

— Mitch Blaschke
Mechanic on Discovery Channel's *Gold Rush*

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
12383	85GX	1.5"	3000	8500	4.5
26152	110DX	1.5"	4000	11000	3

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

RAD TRANSDUCER VERIFICATION



Built-in transducer for verification and traceability!

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

PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE (FT.)		RPM
			LOW	HIGH	
21953	7GX-R TV	0.75"	300	700	30
22076	10GX TV	0.75"	200	1000	20
22885	15DX TV	1.0"	300	1500	10
21357	34GX TV	1.0"	1000	3400	12

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

RAD WHEEL NUT & OTR MINING



Designed with one job in mind: wheel nut bolting where torque control is a must!

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

PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE (FT.)		RPM
			LOW	HIGH	
13495	7GX-R	0.75"	300	700	115
13691	10GX-NX	0.75"	200	1000	20
20810	15NDX-R	1.0"	300	1500	10
19339	15DX-NX	1.0"	300	1500	10
13477	1800NGX-R	1.0"	500	1800	10

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

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