

ABOUT RAD TORQUE SYSTEMS

More than 30 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.



NEW WORLD TECHNOLOGIES INC

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ADVANCED
BOLTING
TECHNOLOGY



WWW.RADTORQUE.COM



WIND

RAD TORQUE + THE WIND ENERGY INDUSTRY

HIGH TORQUE AT HIGH HEIGHTS

If you work in the wind energy industry, you know that building and maintaining wind turbines requires a lot of bolting at high heights.

Companies like General Electric, Vestas, Siemens, Goldwin and Iberdrola use RAD Torque Systems' tools to build and maintain wind power facilities around the world.

That's because they know our torque wrenches can meet the unique needs of the wind energy industry.

Here's how

Have you ever had to flange tower components from inside a tower? How about a tower with a unique curvature? If so, you know that using a straight tool for bolting isn't always possible.

A torque wrench like the E-RAD, combined with our offset gearbox and smart socket, allows you to install tower bolts easily, efficiently and with the right amount of torque.

Unique tools for a unique workplace

At RAD, we understand that you need the right tools at your fingertips while working several hundred feet above the ground.

For this reason, we've designed our wrenches to be much lighter than their hydraulic counterparts. But they can still meet your needs for high torque bolting - especially the 2,000 foot-pounds sometimes needed for tower bolts.

We've worked with the wind energy industry for almost two decades. Whether you work for a wind turbine manufacturer, in wind power construction and maintenance, or at another wind power utility, RAD has a tool for you.

Our E-RAD, B-RAD, offset gearbox and smart sockets can be used to install and maintain tower bolts, blade bolts, shrink discs, gearboxes, generators, hub bolts, and yaw bolts.

When it comes to bolting, there is no lighter or more accurate choice than RAD.



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E-RAD BLU S



The top choice for the wind industry!

- Designed to provide a high degree of accuracy
- Patented gearbox design and electric AC Servo motor
- Bluetooth compatible, making it usable with RAD Smart Sockets™
- The most affordable system on the market
- Comes with Touch Control Case that lets you set torque and angle in single-digit increments. With data displayed on touchscreen and low noise level of only 75 db.

PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE (FT.)		RPM
			LOW	HIGH	
30079	E-RAD BLU-S 700	0.75"	100	700	15
28836	E-RAD BLU-S 2500 COMP	1.0"	250	2500	5
31190	E-RAD BLU-S 3000	1.0"	500	3000	5
31191	E-RAD BLU-S 6000	1.5"	1000	6000	2.1
31192	E-RAD BLU-S 7500	1.5"	1500	8000	1.5
29314	*E-RAD BLU-S 11k	1.5"	3000	1000	1.5

*Also available in a 2.5" square drive. | Accuracy of +/- 1%, Repeatability of +/- 2%

B-RAD XTREME



The world's most powerful battery-operated torque wrench!

- Brushless DC motor for added durability and accuracy
- Redesigned anti-fatigue trigger switch
- Standard handguard for added operator protection
- Two-hand start option
- Latch lock to protect battery from falling from high heights
- 4-button interface with high-contrast LED display provides feedback during operation.

PART NUMBER	TOOL MODEL	DRIVE SIZE	TORQUE (FT.)		RPM
			LOW	HIGH	
30656	B-RAD X 5000	1.5"	500	5000	2.4
30658	B-RAD X 8000	1.5"	740	8000	1.7
30660	B-RAD X 11k	1.5"	1100	11000	1.2

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

RAD SMART SOCKETS™



Revolutionary socket for measuring torque directly on the bolt

- Measures and displays peak torque up to 18,000 ft./lbs
- Built-in rechargeable battery
- "Pass" or "Fail" indication function

SERIES	PART NUMBER	SOCKET HEX SIZE	DRIVE SIZE	RANGE (FT.)	
				LOW	HIGH
SMART SOCKET™ 1500	25448	1-1/2"	1"	150	1500
	22157	1-3/4"	1"	150	1500
	22110	1-7/8"	1"	340	3400
SMART SOCKET™ 3400	24124	2.0"	1"	340	3400
	29997	2-1/16"	1"	340	3400
	30211	2-1/4"	1"	340	3400
SMART SOCKET™ 8000	30212	2-5/8"	1.5"	800	8000
	28722	2-3/4"	1.5"	800	8000
	21915	3.0"	1.5"	800	8000
SMART SOCKET™ 12k	27645	3-3/4"	1.5"	1200	12000
	32405	4-1/8"	1.5"	1200	12000
	27290	4-5/8"	1.5"	1200	12000
	27289	3 7/8"	1.5"	1200	12000
SMART SOCKET™ 18k	33773	3 7/8"	2.5"	1800	18000