



ADVANCED  
**BOLTING**  
TECHNOLOGY



[WWW.RADTORQUE.COM](http://WWW.RADTORQUE.COM)



**AEROSPACE**

# RAD TORQUE + THE AEROSPACE INDUSTRY

## HOLDING EVERYTHING TOGETHER AT **12,000M**

Having worked with aerospace companies for more than two decades, we understand that engineers and mechanics like you – who build and repair commercial airplanes – need the right tools to get jobs done safely and efficiently.

We work with you to design and manufacture custom high-torque wrenches, offsets, multipliers and reaction arms to solve problems and complete tasks that are unique to your industry.

### **Peace of mind**

RAD Torque Systems' multipliers can provide your mechanics with accurate data so they can rest assured that components are correctly installed to withstand extreme forces placed on them in flight. You rely on heavy-duty torque tools to hold an airplane's hundreds of thousands of components together. You don't need to worry about whether each bolt is fastened using the right torque. Let RAD take the worry out of your work.

### **No part out of reach**

We understand that you have unique needs when it comes to building, repairing and manufacturing commercial airplanes. Many of our offsets are custom-made, so no part on an airplane is out of reach. We create models using 3D printers, so your engineers can make sure they work before we even build them!

### **Safety in numbers**

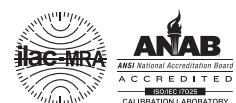
Safety is top-of-mind in your industry. Our multipliers change settings for specific foot-pounds to quickly and accurately torque fasteners. This means your mechanics don't have to apply manual force when installing nuts and bolts and can avoid shoulder injuries. RAD also provides aircraft manufacturers with custom reaction arms, so mechanics can do high foot-pounds without getting any kickback into their hands.

### **RAD reduces costs**

Building and maintaining airplanes is a big business with an even bigger price tag. That's why RAD makes tools in multiple ratios. Our multipliers allow your mechanics to achieve the correct amount of torque with several different tools. All they have to do is switch the multiplier to the next tool and calibrate it.



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## 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%

## RAD SDM MULTIPLIERS



### For applications where tool access to the bolt is limited!

- Planetary gear reduction technology
- Low Profile gearbox
- Designed for confined applications in multiple industries
- The RAD SDM Multipliers are to be combined with a nut runner.

PART NUMBER	GEARBOX	RATIO	INPUT	OUTPUT	TORQUE (FT)
10676	SDM MULTIPLIER 400	82:1	1/4"	3/4"	400
10510	SDM MULTIPLIER 400	144:1	1/4"	3/4"	400
12914	SDM MULTIPLIER 10	128:1	3/8"	3/4"	1000
13194	SDM MULTIPLIER 10	101:1	3/8"	3/4"	1000

## 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%

# 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.



## NEW WORLD TECHNOLOGIES INC

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