E-RAD Electronic Torque Series







E-RAD BLU / BLU-S

The torque system of choice for many industries including wind, mining and heavy industry sectors. The E-RAD BLU series precision torque wrench tools are designed to provide a high degree of accuracy (+/- 2.8%) and repeatability (+/- 2%). The patented and extremely advanced electronic pistol grip torque wrench combines the legendary RAD gearbox design and AC Servo motor technology to reduce bolting time up to 300% as compared to conventional hydraulic wrenches with delivering smooth continuous controlled torque. This tool is capable of data collection and torque/angle measurement, ultimately offering affordable solution for electronic bolting needs. It also includes a console module with a digital readout.

The E-RAD BLU-S is the newest addition to the E-RAD BLU product line from RAD. Equipped with a transducer, the E-RAD BLU-S allows for the highest accuracy on the market and features operator identification, which ensures traceability of each torque sequence from two point on the tool, from the motor and from the end of the gearbox.

- Multiple models can be used in combination with one controller
- Blue-tooth connectivity with RAD Smart Socket for transducer verified joint calibration
- Highly advanced Data Logging and Tool Management features Military grade single cable and connector system

Part Number	Tool Model	Square Drive	Torque		Speed	Weight	Noise Level
			Lb-ft	Nm	RPM	Kg	Dba
21980	E-RAD 700	3/4”	100 - 700	135 - 950	20	5.4	80
24161	E-RAD BLU 1500	1”	200 - 1500	270 - 2000	8	5.9	
21981	E-RAD BLU 2500 COMP		250 -2500	340 - 3400	5.5	8.2	
24221	E-RAD BLU 2500 COMP 90 DEGREE		250 - 2500	340 - 3400	6	8.2	85
21982	E-RAD 3000		500 - 3000	675 - 4000	5.5	10.7	
21983	E-RAD 6000	1 1/2”	1500 - 6000	2000 - 8000	4	13.2	
21984	E-RAD 7500		1500 - 7500	2000 - 10000	1.5	15	
24234	E-RAD 11K		3000 - 11000	4000 - 15000	1.3	19.5	
30079	E-RAD BLU 700-S	3/4”	100 - 700	135 - 950	15	5.9	75
28836	E-RAD BLU 2500-S COMP	1”	250 - 2500	340 - 3400	5	8.6	
31190	E-RAD BLU 3000-S		500 - 3000	675 - 4000	5	11.1	
31191	E-RAD BLU 6000-S	1 1/2”	1000 - 6000	1385 - 8100	2.1	13.6	
31192	E-RAD BLU 7500-S		1500 - 8000	2000 - 10,000	1.5	15.4	
29314	E-RAD BLU 11K-S		3000 - 11,000	4050 - 15,000	1.5	20	

E-RAD Controllers and Options

The E-RAD BLU tool touch control case provides the interface for all E-RAD BLU Tools. The touch screen allows for quick adjustments & easily selectable presets. Each E-RAD is supplied with a standard data connection cable, used to connect the tool to the controller, of 4.6m in length. If you require a longer data cable, there is the option to select or purchase as an extra, cable lengths of 6m & 7.6m.

Touch Control Features

- 50 X 76 mm – Touchscreen
- Standard with variable torque and angle control
- Field calibration
- Multi-user level password protection
- Life cycle and maintenance counters



RAD SMART SOCKETS

The RAD Smart Sockets can connect to the E-RAD BLU tool via Bluetooth technology. This combination allows you to automatically calibrate your E-RAD BLU to any joint!



RAD® TORQUE SYSTEMS

RAD TORQUE TOOLS

JONEL HYDRAULICS

E P 0800 JONELS (0800 566 357) W jonel.co.nz
7 Blackburn Road, East Tamaki, Auckland I 23 Sylvan Street, Hillmorton, Christchurch

RAD Battery Torque Series

B-RAD / Offset Series



The B-RAD Select series offers high speed and long battery life whilst incorporating a torque display with buttons. The user is able to select the target torque in increments of 10 ft.lbs/Nm throughout the calibrated range. These tools are suitable on critical applications and where electricity and compressed air are not readily available. The number of cycles per battery is dependent on stud length, lubrication and temperature. The newly designed B-RAD Offset Series offers the same as the B-RAD but with more flexibility for those tight spaces.

- Torque ranges up to 5,000 ft.lbs / 7,000 Nm
- Latest Lithium-ion 18V/5.2 Ah battery technology
- Accuracy of (+/- 5% on full scale)
- Lighter tool than other similar tools on the market
- Brushless motor

B-RAD X Series



The newest addition to the B-RAD series is the B-RAD X which has raised the bar for torque range capacity with a battery tool, maxing out at an impressive 11,000 ft. lbs. – making the B-RAD X officially the most powerful cordless torque tool on the market.

- Torque ranges up to 11,000 ft.lbs / 15,000 Nm
- Accuracy of +/- 4% and repeatability of +/- 2% (of full scale)
- Latest Lithium-ion 18V/5.2 Ah battery technology
- Redesigned anti-fatigue trigger switch
- Battery latch lock to protect batteries from falling
- 4-button interface with high contract LED display provides feedback during operation

DB-RAD Series



Digital B-RAD powered torque wrenches are the world's first digital cordless, lithium-ion powered battery tool on the market, with advanced patented technology containing digital display and single increment torque settings. The colour screen with keypad provides unmistakable visual LED indicator lights with user definable presets for ease of use. DB-RAD's have a (Torque & Angle) functionality as standard as well as automatic reaction arm back off after a torque cycle completion.

- Latest lithium-ion 18V/5.2 Ah battery technology
- Accuracy of (+/- 5% of full scale)
- Torque and Angle Functionality
- Programmable presets



Supplied with a standard reaction arm, two batteries and a charger in a weather proof storage case.

Part Number	Tool Model	Square Drive	Torque		Speed	Weight	Noise Level
			Lb-ft	Nm	RPM	Kg	Dba
28283	B-RAD SELECT 500	3/4"	130 - 500	170 - 700	21.5	3.5	65
28285	B-RAD SELECT 1000		200 - 1000	300 - 1400	10.5	3.5	
28286	B-RAD SELECT 1000-2		400 - 1000	540 - 1400	71	4.3	
28287	B-RAD SELECT 1500	1"	300 - 1500	400 - 2000	6	4.0	
28288	B-RAD SELECT 1500-2		300 - 1500	400 - 2000	19.5	4.9	
28289	B-RAD SELECT 3000		600 - 3000	800 - 4000	3	6.0	
28290	B-RAD SELECT 3000-2		600 - 3000	800 - 4000	20	6.7	
28291	B-RAD SELECT 5000	1 1/2"	1000 - 5000	1350 - 7000	2.1	8.8	
30002	B-RAD SELECT 500 OFFSET	3/4"	130 - 500	170 - 700	21.5	8.7	
29572	B-RAD SELECT 1000 OFFSET		200 - 1000	300 - 1400	10.5	8.8	
30004	B-RAD SELECT 1500 OFFSET	1"	300 - 1500	400 - 2000	6	9.9	
30006	B-RAD SELECT 3000 OFFSET		600 - 3000	800 - 4000	3	14.3	
30008	B-RAD SELECT 5000 OFFSET	1 1/2"	1000 - 5000	1350 - 7000	2.1	20.3	
21779-A	DB-RAD 500-2	3/4"	50 - 500	70 - 700	59	5	80
21783-A	DB-RAD 1000-2		100 - 1000	140 - 1400	19	5.2	
21787-A	DB-RAD 1500-2	1"	150 - 1500	200 - 2000	17	5.3	
24965-A	DB-RAD 3000-2		300 - 3000	400 - 4000	13	7.1	
30656	B-RAD X 5000	1 1/2"	500 - 5000	700 - 7000	2.4	10.5	87
30658	B-RAD X 8000		740 - 8000	1000 - 10850	1.7	13.8	
30660	B-RAD X 11K		1100 - 11000	1500 -15000	1.2	19.3	

RAD Pneumatic Series

Single / High-Speed



More than 25 years of experience in gearbox engineering and design has brought about our latest generation in planetary gearboxes, Designed for extreme duty use in a variety of industries worldwide. RAD planetary gear torque wrenches are vibration free and have the accuracy to prevent accidental under- and over-tightening.

- PATENTED drive system delivering one of the highest power-to-weight ratios of any pneumatic controlled bolting system.
- Wide torque range to suit multiple applications
- Unmatched reliability delivered by one of the most advanced engineered gearboxes on the market.
- Reliable and dependable solution for the installation and removal of heavy-duty fasteners.
- Smooth continuous flow of controlled torque eliminating destructive hammering.
- Lightweight ergonomic pistol grip design reducing operator strain and injury; resulting in increased productivity
- Stall type tool capable of accuracy of +/-4%, and repeatability of +/-2%.
- Models with the "-2" are the high speed series, using a two speed autoclutch system for faster bolt running / nut running.

Wheel Nut Bolting



Tightened wheel nuts are critically important, that's why the RAD Wheel Nut Bolting was designed with one job in mind: wheel nut bolting where torque control is a must. The nose extensions are ideal for reaching wheel nut studs that are recessed and have tight clearances. Developed exclusively for extreme duty maintenance of mining haul trucks from 50-400 ton capacities and front-end loaders.

The extended nose allows safe access of virtually all wheel configurations found on today's heavy equipment.

- Removable custom reaction arms designed to fit virtually on any wheel configuration.
- Numerous configurations are ideal for tight clearances
- Extended reaction point for safe and quick operation
- Accuracy to ensure correct tightened wheels



All RAD pneumatic Series tools are supplied with Reaction arm, 3M hose, tool holder, Filter/Regulator/Lubricator, Weatherproof Site box and instruction manual as standard

Part Number	Tool Model	Square Drive	Torque		Speed	Weight	Noise Level
			Lb-ft	Nm	RPM	Kg	Dba
12316	RAD 350SL	3/4"	50 - 350	68 - 475	65	2.7	80
12814	RAD 7GX		100 - 700	136 - 949	30	3.6	
12818	RAD 10GX		200 - 1000	271 - 1356	20	3.6	
17328	RAD 15DX	1"	300 - 1500	407 - 2034	10	3.9	
12345	RAD 2000		500 - 2000	678 - 2712	13	5.9	
12377	RAD 25GX		500 - 2500	678 - 3390	9	6.1	85
22238	RAD 30DX		900 - 3000	1220 - 4068	8	6.7	
12356	RAD 34GX		1000 - 3400	1356 - 4610	12	9.0	
20248	RAD 50DX	1 1/2"	1500 - 5000	2034 - 6779	6.7	10.6	
15328	RAD 60DX		2000 - 6000	2711 - 8135	6.6	12.5	
18558	RAD 80DX		2500 - 8000	3390 - 10846	4	13.8	
12383	RAD 85GX		3000 - 8500	4068 - 11525	4.5	17.5	
26152	RAD 110DX		4000 - 11000	5423 - 14914	3	19.1	
10644	RAD 10GX-2	3/4"	350 - 1000	475 - 1356	85	4.5	80
17068	RAD 15DX-2	1"	500 - 1500	678 - 2034	50	4.8	
12346	RAD 2000-2		700 - 2000	949 - 2711	53	9.2	85
19773	RAD 25GX-2		700 - 2500	949 - 3390	44	7.5	80
24950	RAD 30DX-2		1000 - 3000	1356 - 4068	49	7.3	
13495	RAD 7GX-R	3/4"	300 - 700	407 - 949	115	5.4	80
20810	RAD 15NDX-R	1"	300 - 1500	407 - 2034	10	7.2	
13477	RAD 1800NGX-R		500 - 1800	678 - 2441	10	12.5	85
13479	RAD 2000NGX-R		500 - 2000	678 - 2712	10	12.5	85

R = Removable reaction arm