

E-RAD BLU: setting bolting standards higher

E-RAD BLU series precision torque wrenches are designed to provide a high repeatability degree of +/- 2% for high torque applications in combination with advanced tool functions and data logging. This advanced electronic pistol grip torque wrench combines RAD's proven gearbox design and AC Servo motor technology to reduce bolting time with at least 300% as compared to conventional hydraulic wrenches. Built and designed for high cycle, heavy-duty industrial usage, indoor and outdoor.

E-RAD BLU video

Reducing cost - Multiple wrenches can be used with one control box!



E-RAD BLU tool kits include:

- E-RAD BLU (-S) wrench
- Control box cable
- Control box with USB and LAN port
- Operator's manual
- Reaction arm and retaining ring
- Calibration certificate
- Data logging software
- Safety instruction USB drive.

E-RAD BLU (-S) tool features:

- Highly advanced Data Logging and Tool Management features
- Capable of torque and angle bolting sequence
- Operator identification and Batch count to ensure traceability
- Password protection for three user levels: basic, intermediate and advanced
- LED indicator lights (Pass/Fail) located on both sides for maximum ergonomics
- Life cycle and maintenance counters
- Rotatable gearbox to avoid pinch hazard
- Active cooler system on controller and wrench.

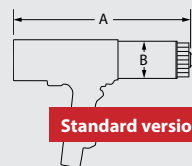


NEW!

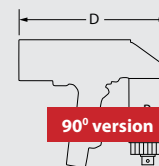
E-RAD BLU 8.000-90°, 10K-90° and 15K-90°

Product Number: on request

Select toolkit and if needed additional wrenches:



Standard version



90° version

Toolkit	Wrench only	Tool	Drive size	Torque (Nm)		Speed	Weight	Dimensions (mm)			
Number	Number	Model	Inches	Min	Max	RPM	Kg	A	B	C	D
21985	22056	E-RAD BLU 950	3/4"	135	950	30	5,4	340	65	78	275
24162	23330	E-RAD BLU 2000	1"	270	2.000	9	5,9	340	69	76	288
21986	22057	E-RAD BLU 3400	1"	340	3.400	10	8,1	380	70	78	245
22434	23113	E-RAD BLU 3400-90°	1"	340	3.400	11	8,3	220	76	78	245
21987	22058	E-RAD BLU 4000	1"	675	4.050	8	10,6	430	83	88	260
200415	200416	E-RAD BLU 4000	1 1/2"	675	4.500	8	10,6	430	83	88	260
21988	22059	E-RAD BLU 8000	1 1/2"	1.385	8.100	4	13,0	430	100	100	260
21989	22060	E-RAD BLU 10K	1 1/2"	2.034	10.000	2	15,0	430	105	105	265
24224	23748	E-RAD BLU 15K	1 1/2"	4.050	15.000	2	20,1	466	127	127	273
25307	n/a	E-RAD BLU 15K	2 1/2"	4.050	16.500	2	20,1	466	127	127	273

Repeatability of 2%.

E-RAD BLU-S: transducer controlled

◆ **Continuously measures and controls the actual applied torque to the bolt during the tightening process**

In addition to the regular E-RAD BLU models, RAD also offers the E-RAD BLU with transducer controlled torque shut off (S). This system achieves a high torque accuracy of 1% and is especially suitable for situations where the E-RAD BLU is used for a wide variation of joint types (hard/soft).

What difference does the "S" make?

The "S" version of the E-RAD BLU distinguishes itself from the standard model in that it is equipped with a strain gauge torque transducer in the annulus of the gearbox. Instead of measuring the servo motor current to determine the precise shut off torque, the "S" goes a step further in that it actually controls the precise moment of the torque shut off by means of the torque transducer's measurements.



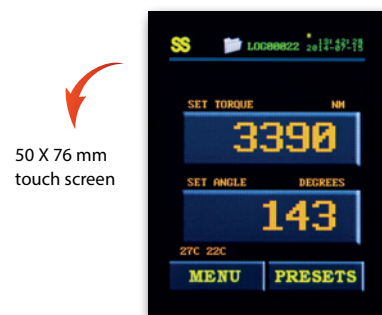
With the E-RAD BLU-S the actual applied torque to the bolt is measured, making the E-RAD BLU-S extremely precise and insensitive to different joint conditions. As for the standard E-RAD BLU, already very precise, any inaccuracy caused by joint sensitivity can be corrected by performing a point calibration or a "BLU Call" on the joint with a Smart Socket™. With the E-RAD BLU-S this will not be necessary anymore.

E-RAD BLU (-S) control box*

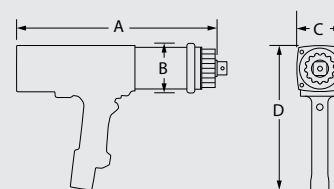
The E-RAD BLU Control box provides the interface for all E-RAD BLU wrenches. No matter which E-RAD BLU (-S) is connected, the control box will retrieve the model and calibration data from the wrench. This allows the operator to switch between multiple types of wrenches ensuring mistake-free operation. No torque conversion charts are needed, as opposed to conventional systems.

The E-RAD BLU -S works on a standard control box with a recent software version.

- Standard delivered with 230V control box (PN: 21220) and 4,5 m cable (PN: 21217)
- Optional 120V control box (PN: 21221).



◆ **Select toolkit and required cable length:**



Toolkit Number	Tool Model	Drive size Inches	Torque (Nm)		Speed RPM	Weight Kg	Dimensions (mm)			
			Min	Max			A	B	C	D
26937	E-RAD BLU 950-S	3/4"	135	950	15	5,4	340	80	78	245
26938	E-RAD BLU 3400-S	1"	340	3.400	10	8,1	380	85	78	245
22759	E-RAD BLU 4000-S	1"	675	4.050	8	10,6	430	98	88	260
25282	E-RAD BLU 8000-S	1 1/2"	1.385	8.100	4	13,0	430	115	100	260
26939	E-RAD BLU 10K-S	1 1/2"	2.034	10.000	2	15,0	430	120	105	265
29315	E-RAD BLU 15K-S	1 1/2"	4.050	15.000	2	22,8	492	127	127	304

Toolkit Number	Cable length selection Description	Dimensions (ft/m) length
21217	Cable assembly E-RAD BLU (short, included with standard tool kit)	15 / 4,6
21218	Cable assembly E-RAD BLU (middle)	20 / 6,1
21219	Cable assembly E-RAD BLU (long)	25 / 7,6

Repeatability +/- 2%, Accuracy transducer +/- 1%