



# **RAD**<sup>®</sup>

## **TORQUE SYSTEMS**



Sprog: Dansk

*Vores websted er også på Dansk*



Sprache: Deutsch

*Unsere website ist auf Deutsch verfügbar*



Taal: Nederlands

*Nederlandstalige website beschikbaar*



Lingua: Italiano

*Nostro sito web è anche in Italiano*



Languge: Español

*Nuestro página web también está en Español*



Languge: Français

*Notre site web est disponible en Français*

# **WWW.RADIALTORQUE.EU**

# Table of content

## **PNEUMATIC** Torque range: 35 - 15.000 Nm - Page 5 *SINGLE & 2-SPEED series & Wheel Nut Bolting*

 *Highly advanced torque wrenches for heavy industrial use*

- Smooth controlled bolt tightening
- Patented Gearbox technology
- Unbelievably fast and accurate
- Ergonomic Design



## **BATTERY** Torque range: 30 - 7.000 Nm - Page 6 t/m 9 *SELECT, MB-RAD, B-RAD-S, & EXT-R Series*

 *Ideal in situations where electricity or compressed air are unavailable*

- Impressive performance thanks to the latest Li-Ion battery technology
- Automatic reaction arm release
- Easy and precise torque setting
- Brushless motor technology



## **ELECTRIC** Torque range: 65 - 11.000 Nm - Page 10 t/m 11 *SELECT & MV-RAD series*

 *Digital torque setting with angle of turn control*

- Optional Bolt Torque verification function
- Automatic reaction arm release
- Ergonomic and lightweight
- EASY to USE



## **ELECTRONIC** Torque range: 135 - 16.500 Nm - Page 12 t/m 13 *E-RAD series*

 *Designed and built for heavy industrial use*

- Fully traceable Bolting jobs with datalog report system
- Digital torque setting with angle of turn control
- Available with transducer control (E-RAD-S)
- LED pass / fail indication on the wrench
- Control Box for ultimate control



## **ACCESSOIRES** - Page 14

## **SAFETY** - Page 15



Non  
Impacting



Safe &  
Reliable



According to  
European standards



EX  
approved



LABORATORY  
ACCREDITATION  
BUREAU  
ACCREDITED ISO/IEC 17025

Accredited  
ISO/IEC 17025



Lithium Ion  
battery



Bluetooth  
connectivity



Torque + angle  
function



Software  
data exchange



# Company profile

## About Radial Torque Tools B.V.

Radial Torque tools B.V., formerly known as RAD Torque Systems B.V., started in 2011 as a daughter company of NWT Canada, the producer of RAD torque wrenches.

As a certified RAD Master distributor, Radial has the exclusive rights to market RAD products to 60 countries in Europe, North Africa and Central Asia. In our facility in the Netherlands, we keep a large inventory of new RAD products so we can serve our customers quickly and professionally.

- ◆ **Sale**
- ◆ **Calibration & repair**
- ◆ **Engineering**
- ◆ **Rental**



***RAD's headquarter for Europe, the Middle East and North Africa***



***Large stock directly available from Soest, the Netherlands***



***RAD torque wrenches are also available in our rental fleet***



***Professional department for your repairs, calibrations and service***

## Made in Canada

New World Technologies Inc. (NWT) is a leading Canadian manufacturer of pneumatic, battery powered, and electronic pistol grip torque wrenches which are marketed under the RAD trademark. For over 25 years, NWT designs and produces as much as possible in house to ensure production flexibility and the best product quality.

RAD products have proven to be successful all over the world in industries such as oil & gas, petrochemical, mining, aerospace, power generation, and manufacturing. With NWT's massive brand new (2022) production facility in Abbotsford BC, RAD will be able to further expand its lead in reduction gear torque wrenches.

***New Word Technologies features an ISO/IEC 17025 certified calibration Laboratory ensuring maximum quality control and full calibration traceability.***

How RAD is made video



# RAD Products

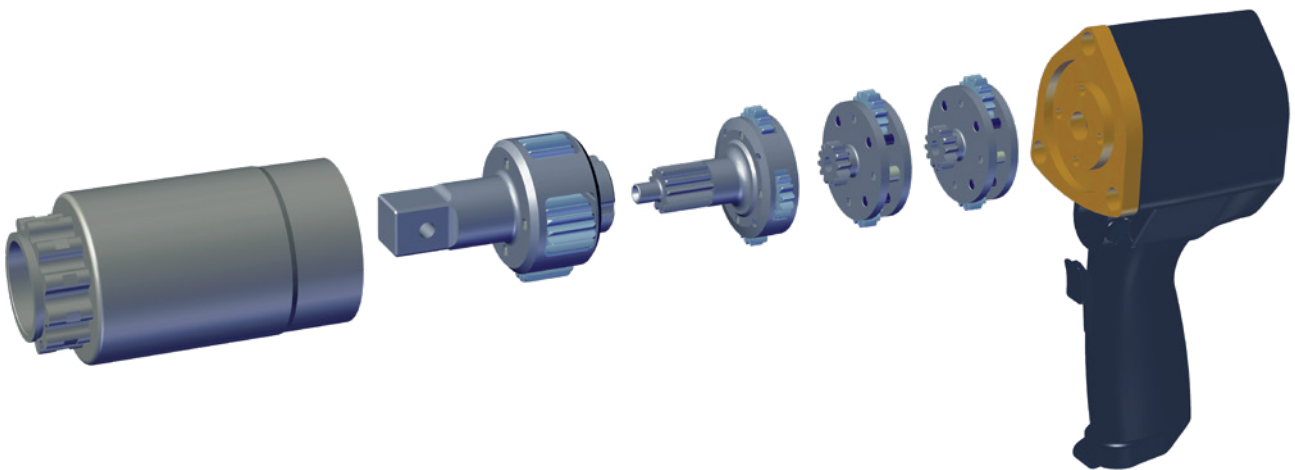
**RAD pistol grip torque wrenches** offer a fast and reliable solution for the installation and removal of heavy-duty fasteners in a variety of industries that require high accuracy, power and safety. RAD's patented planetary gear reduction drive system delivers one of the highest power-to-weight ratios of any controlled bolting system and has 88 times less vibration than impact wrenches. No risk of HAVS injuries and the exclusive low profile reaction arm takes virtually all the operational load off the operator.



◆ **For bolting safety, RAD torque wrenches set the standard!**

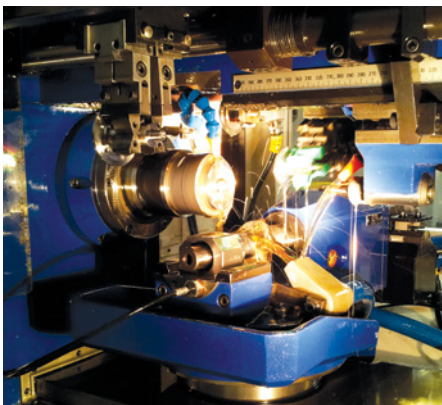
## Product advantages

RAD's reduction gear torque wrenches, as opposed to conventional torque tools, have the advantage of continuous rotation while applying controlled torque. This makes them much faster than conventional hydraulic wrenches and with their pistol grip they are safer and more ergonomic. All RAD tools are in house calibrated in a ISO/IEC 17025 certified calibration Laboratory ensuring maximum quality control and full calibration traceability. All RAD products are designed with safety in mind and comply to CE standards.



## Continuous innovation

NWT's ongoing investment in R&D ensures that RAD will continue to lead the bolting industry with RAD innovations such as the famous E-RAD, our Battery tools and the smart torque transducers. RAD believes that innovation drives performance.





## RAD single & 2-speed

The experience in gearbox engineering and design has brought about RAD's latest generation in planetary gearboxes – RAD DX series. Designed for heavy duty usage in a variety of industries worldwide. RAD 2-speed series torque wrenches incorporate a precision engineered 2-speed gearbox designed for faster run down and quick reaction point positioning on time sensitive bolting applications. RAD DX series torque wrenches offer:

- Unmatched reliability delivered by one of the most advanced engineered gear boxes on the market
- The 2-speed models feature a unique full automatic gearbox design, eliminating the time consuming switch between high and low speed gear
- Very compact design resulting in lower weight and better accessibility
- Wide torque range to suit multiple applications
- The best power-to-weight ratio.

DX Video



### Extreme torque wrenches for heavy duty applications!

#### All RAD Pneumatic tools include:

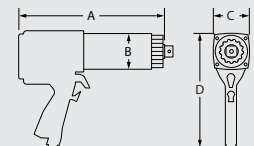
- Reaction arm and retaining ring
- Lubricating oil for the FRL unit
- 3.6 meter hose
- User manual
- Lightweight FRL unit
- Calibration certificate
- Safety instruction USB stick.



#### FRL Unit:

- Low weight (2kg) tool holder made from High Density Polypropylene
- Includes pressure gauge, filter, regulator and lubrication

**Ex** At a surcharge, the RAD pneumatic series torque wrenches (excluding TV RAD) can be delivered according to EX specification. See RAD's website for more information.



Toolkit		Tool	Drive size	Torque (Nm)		Speed		Weight		Dimensions (mm)				
Number		Model	Inches	Min	Max	RPM		Kg		A	B	C	D	
2-speed						2-speed		2-speed	2-speed	2-speed				
15616		100 SL	½" or ¾"	35	100	275		2,1		161	60	69	222	
15134		275 SL	¾"	50	275	90		2,2		167	60	69	222	
13573	13575	475 SL	¾"	70	475	65	272	2,4	4,0	167	228	60	69	222
13539		10 GX	¾"	150	950	30		3,4		228	63	69	228	
13549	19774	14 GX	¾"	275	1.350	20	77	3,6	4,5	228	262	63	69	205
19135	19775	20 DX	1"	400	2.000	9	55	3,9	4,8	203	250	69	69	205
13565	19776	34 GX	1"	700	3.400	9	44	6,1	7,6	246	305	77	83	241
24717	24952	40 DX	1"	1.200	4.000	8	49	6,6	7,3	230	309	81	83	241
13571		46 GX	1"	1.400	4.600	12		9,0		325		86	93	264
26133		70 DX	1½"	2.000	7.000	8		10,7		285		92	93	264
15805		80 DX	1½"	2.700	8.000	7		12,5		348		101	101	277
23229		110 DX	1½"	3.400	10.800	4		13,8		431		114	114	279
26153*		150 DX	1½"	5.400	15.000	3		19,1		353		127	127	281

Repeatability of 3%

## B-RAD SELECT

B-RAD SELECT series torque wrenches offer high torque output and reliability combined with uncompromised cordless freedom.

### Up to 7.000 Nm

The B-RAD SELECT is now even more powerful, faster and lighter.

B-RAD SELECT video

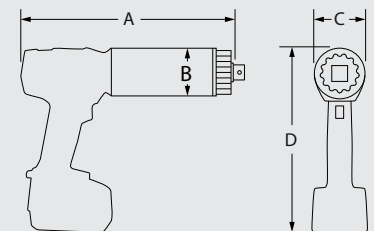
### Cordless torque!

The B-RAD SELECT is especially suitable for installation and service jobs where electricity or compressed air are not available. Besides this, the B-RAD SELECT is also an ideal tool for valve actuation, load strapping and for driving spindles. The number of cycles per battery depends on stud length, lubrication and temperature.

- Brushless motor
- Automatic reaction arm release
- Available in single and automatic 2-speed gearbox
- Latest Lithium-ion 18V/5.2Ah battery technology.

### All B-RAD tools include:

- Reaction arm and retaining ring
- Two 18V / 5.2 Ah Lithium-ion batteries with fast charger (18V/8.0 Ah optional)
- Calibration certificate
- Weatherproof storage case
- Safety instruction on USB drive
- User manual.



Toolkit Number	Tool Model	Drive size Inches	Torque (Nm)		Speed RPM	Weight Kg	Noise level dB	Dimensions (mm)			
			Min	Max				A	B	C	D
30213	B-RAD SELECT 275	1/2" or 3/4"	50	270	47	3,2	65	228	63	68	262
28264	B-RAD SELECT 700	3/4"	170	700	21	3,5	65	231	63	67	262
28266	B-RAD SELECT 1400	3/4"	300	1.400	10	3,5	65	231	63	67	262
28267	B-RAD SELECT 1400-2	3/4"	300	1.400	71	4,3	65	279	63	67	262
28268	B-RAD SELECT 2000	1"	400	2.000	6	4,0	65	244	69	69	262
28269	B-RAD SELECT 2000-2	1"	400	2.000	19	4,9	65	298	69	69	262
28270	B-RAD SELECT 4000	1"	800	4.000	3	6,0	65	285	81	81	266
28271	B-RAD SELECT 4000-2	1"	800	4.000	19	6,7	65	337	81	81	266
28272	B-RAD SELECT 7000	1 1/2"	1.400	7.000	2	8,8	65	295	95	95	272

Repeatability 3%

## B-RAD OFFSET

The B-RAD SELECT is now available with an integrated offset link: ideal for tightening bolts in tight spaces!

B-RAD OFFSET video

The B-RAD OFFSET is based on the standard B-RAD SELECT series and has all the same features that have made these torque wrenches so popular. There is one main difference: the torque multiplier is placed out of line with the motor with an offset link, and as a result, it reduces the total tool length above the bolt with 105mm.

This provides operators with a more versatile tool as it enables them to use the wrench in places where bolts cannot be tightened with standard wrenches. The B-RAD OFFSET is calibrated including the offset link, so no conversion tables are needed as with conventional "add-on" offset links.

In addition, it is worth knowing that the offset link can be retrofitted on any standard B-RAD SELECT model.

### All B-RAD tools include:

- Reaction arm and retaining ring
- Two 18V / 5.2 Ah batteries with fast charger (18V/8.0 Ah optional)
- User manual
- Calibration certificate
- Weatherproof storage case
- Safety instruction USB drive.



## B-RAD EXT-R

Another addition to the standard B-RAD SELECT range is the extended reach version, so called the EXT-R. The EXT-R is the ideal wrench for working effortlessly in a standing position or for jobs above your head.

Having difficulties tightening a deeply recessed bolt? With the B-RAD EXT-R you can likely reach it!

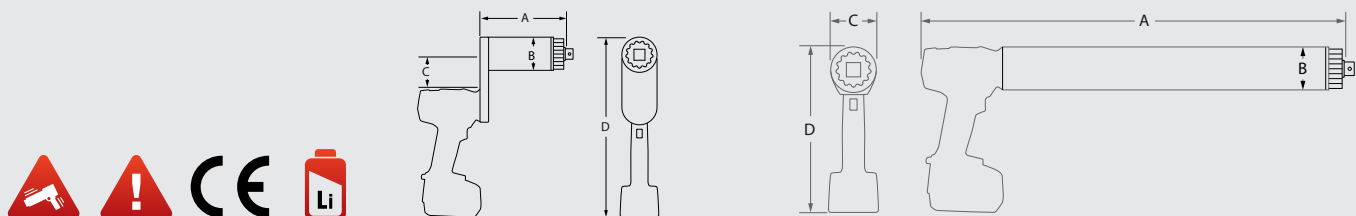
The EXT-R has especially been designed to increase ergonomics. With its very low weight and with an extra adjustable handle, you can assume the perfect work position. No more back aches, tired arms or working on your knees. Due to the large distance to the reaction arm, pinching risks are practically eliminated and therefore the EXT-R is extremely safe.

The B-RAD EXT-R series has the same features as the standard B-RAD SELECT and the robust extension can be ordered separately as well, making it possible to retrofit it on a standard B-RAD SELECT.

Given the applications, the EXT-R is only available for the 700 Nm and 1400 (-2) Nm multipliers.

### Included with the B-RAD EXT-R:

- Extra handle for even greater ergonomics
- Reaction arm and retaining ring
- Two 18V / 5.2 Ah batteries with fast charger (18V/8.0 Ah optional)
- User manual
- Calibration certificate
- Weatherproof storage case
- Safety instruction USB drive.



Toolkit		Tool	Drive size	Torque (Nm)		Speed		Weight		Dimensions (mm)							
Number		Model	Inches	Min	Max	RPM		Kg		A		B		C		D	
OFFSET	EXT-R					OFFSET	EXT-R	OFFSET	EXT-R	OFFSET	EXT-R	OFFSET	EXT-R	OFFSET	EXT-R	OFFSET	EXT-R
201025		B-RAD 275	½" or ¾"	50	270	47		3,2		110	63	50					352
201026	201000	B-RAD 700	¾"	170	700	21	21	3,5	5,3	126	800	63	50	68	352	245	
	201001	B-RAD 700-2	¾"	170	700		83		6,5	860	63		68		245		
201027	201003	B-RAD 1400	¾"	300	1.400	10	10	3,5	5,9	126	810	63	50	68	352	245	
201028	201004	B-RAD 1400-2	¾"	300	1.400	71	71	4,3	6,5	174	860	63	50	68	352	245	
201029		B-RAD 2000	1"	400	2.000	6		4,0		139		69	50		352		
201030		B-RAD 2000-2	1"	400	2.000	19		4,9		193		69	50		352		
201031		B-RAD 4000	1"	800	4.000	3		6,0		180		81	50		356		
201032		B-RAD 4000-2	1"	800	4.000	19		6,7		232		81	50		356		
201033		B-RAD 7000	1½"	1.400	7.000	2		9,3		190		95	50		362		

Repeatability of 3%

## MB-RAD

The MB-RAD series torque wrenches are ideal for applications where compressed air or electricity are not available. With advanced technology containing digital display and single increment torque settings.

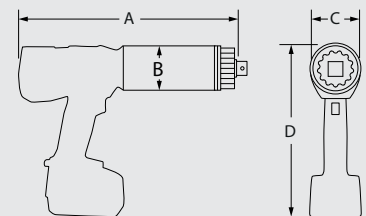
MB-RAD video

### MB-RAD features:

- Brushless motor
- Bolt check function
- Latest Lithium-ion 18V/5.2 Ah battery technology
- Torque control in anticlockwise rotation
- Multi-level password protection
- Includes Angle of turn function
- Automatic reaction arm release.

### All digital B-RAD tools include:

- Reaction arm and retaining ring
- Two 18V / 5.2 Ah batteries with fast charger
- User manual
- Calibration certificate
- Weatherproof storage case
- Safety instruction USB drive.



Toolkit Number	Tool Model	Drive size Inches	Torque (Nm)		Speed RPM	Weight Kg	Noise level dB	Dimensions (mm)			
			Min	Max				A	B	C	D
200919	MB-RAD 300	1/2"	30	300	48	3,2	65	228	63	68	262
200921	MB-RAD 700	3/4"	70	700	21	3,5	65	231	63	67	262
200922	MB-RAD 1400	3/4"	140	1.400	10	3,5	65	231	63	67	262
200924	MB-RAD 2000	1"	200	2.000	6	4,0	65	244	69	69	262
200926	MB-RAD 4000	1"	400	4.000	3	6,0	65	301	81	81	268
200928	MB-RAD 7000	1 1/2"	700	7.000	2	8,7	65	322	95	95	277

Repeatability of 3%



## B-RAD-S: transducer controlled!

The new **B-RAD-S** battery torque wrench is equipped with a built-in torque transducer that adjusts its power and precisely shuts-off based on its measurements on the bolt during tightening. The proven strain gauge technology makes the torque wrench insensitive to environment influences, such as friction, temperature and joint hardness. Due to the built-in transducer, this torque wrench tightens bolts according to the VDI/VDE 2862-2 standards.

B-RAD-S video

### Cordless torque!

Unlike competitor's wrenches that measure the gearbox input torque, the **B-RAD-S** measures the torque applied on the bolt. Any misreading through gearbox wear or damage will have no effect on the applied torque.

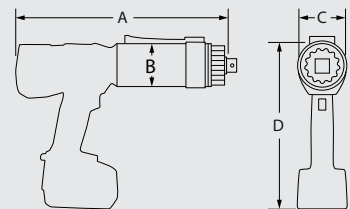
The **B-RAD-S** also features:

- Brushless motor
- Strain gauge torque and angle control
- Bolt check function
- Automatic reaction arm release
- Multi-user level password protection
- Torque control in anticlockwise rotation
- Documentation software
- Selectable menu languages
- Intelligent counter for life cycle and maintenance.



### All B-RAD tools include:

- Two Lithium-ion 18V/5.2Amp batteries with charger (18V/8.0 Ah optional)
- Reaction arm and retaining ring
- USB stick with Safety instructions and datalogger software
- Weatherproof storage case
- Calibration certificate
- User manual.



Toolkit Number	Tool Model	Drive size Inches	Torque (Nm)		Speed RPM	Weight Kg	Noise level dB	Dimensions (mm)			
			Min	Max				A	B	C	D
31801	B-RAD 700-S	3/4"	70	700	21	5,3	65	315	69	69	262
31803	B-RAD 1400-S	3/4"	140	1.400	10	5,3	65	315	69	69	262
31805	B-RAD 2000-S	1"	200	2.000	6	5,8	65	321	74	74	262
31807	B-RAD 4000-S	1"	400	4.000	3	7,8	65	337	86	86	266
31809	B-RAD 7000-S	1 1/2"	700	7.000	2	10,6	65	362	100	100	272

Repeatability +/- 2%

## V-RAD SELECT

◆ **Torque range: 140 – 4.000 Nm**

The V-RAD SELECT electric series is the latest innovation of RAD electric torque wrenches used for the installation or removal of heavy duty fasteners where accuracy, power, and high safety standards are required. The V-RAD SELECT shares the same two simple buttons with the B-RAD SELECT to increase or decrease the torque by 10 Nm.

V-RAD SELECT video

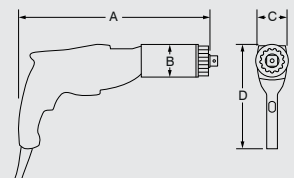
**V-RAD SELECT tool features:**

- Advanced ultra-durable electric motor design
- Extreme duty design to reduce maintenance cost and increase reliability
- Equal power in forward and reverse
- Easy “SELECT” torque setting with steps of 10 Nm
- Low noise level – only 80 dB
- Durable DX design gearbox
- Clear Pass/Fail indication
- Clear display.



**All V-RAD SELECT tools include:**

- Reaction arm and retaining ring
- Weatherproof storage case
- Safety instruction USB drive
- User manual.



Toolkit Number	Tool Model	Drive size Inches	Torque (Nm)		Speed RPM	Weight Kg	Noise level dB	Dimensions (mm)			
			Min	Max				A	B	C	D
25633	V-RAD SELECT 1400	3/4"	140	1.400	10	3,9	80	304	63	64	205
25634	V-RAD SELECT 2000	1"	200	2.000	6	4,2	80	304	69	69	205
25636	V-RAD SELECT 4000	1"	400	4.000	3	6,2	80	338	81	81	205

Repeatability of 5%



# Digital MV-RAD

● **Torque range: 65 – 11.000 Nm**

The MV-RAD will quickly tighten or loosen bolts with accuracy and reliability. The torque can be set by a membrane key control by single increment or with 200 setting options. Torque and more parameters can be programmed individually on custom demands. In addition, this torque wrench is equipped with angle function.

MV-RAD video

● **The MV-RAD features a special Bolt Check function (optional)**

This program allows the operator to check if an already tightened bolt is still within torque specification. The MV-RAD is able to verify the existing torque and will not add any extra torque while doing this. If the bolt requires further tightening, it will do so automatically and report the degrees of turn needed.

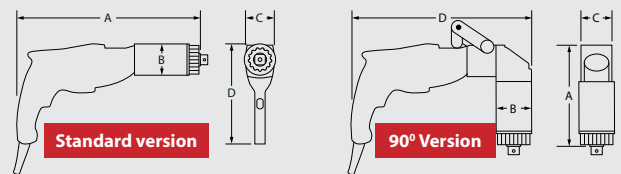
The 230V or 115V power operation allows the MV-RAD to be used in a variety of places with only 80 dB noise level. Each pistol torque wrench comes fully calibrated in a storage case and includes reaction arm, calibration certificate and operating manual.



- High performance bolting tool with torque shut-off system
- Pistol grip with membrane key and OLED-Display
- Single increment or 200 torque setting options
- Angle function
- Password protected
- 360° rotatable handle
- 8 Programmable presets
- Programming on custom demands
- Bolt check function (optional).

**All MV-RAD tools include:**

- Reaction arm and retaining ring
- Weatherproof storage case
- Safety instruction USB drive
- User manual.



Toolkit		Tool	Drive size	Torque (Nm)		Speed	Weight	Noise level	Dimensions (mm)			
Number	Model		Inches	Min	Max	RPM	Kg	dB	A	B	C	D
200278	MV-RAD 6		3/4"	65	650	42	4,1	80	375	62	78	205
200279	MV-RAD 14		3/4"	140	1.400	6	3,9	80	310	63	78	210
200289	MV-RAD 14-90°		3/4"	140	1.400	13	7,5	80	176	63	73	390
200277	MV-RAD 20		1"	215	2.000	5	4,3	80	295	69	78	210
200282	MV-RAD 34-90°		1"	340	3.400	6	7,5	80	220	80	73	395
200469	MV-RAD 40		1"	400	4.000	3	6,2	80	338	81	78	205
200283	MV-RAD 45		1"	450	4.500	3	8,8	80	485	86	86	205
200284	MV-RAD 45		1 1/2"	450	4.500	3	8,8	80	485	86	86	205
200345	MV-RAD 45-90°		1" or 1 1/2"	450	4.500	3	9,5	80	252	86	86	404
200287	MV-RAD 70		1 1/2"	700	7.000	2	9,5	80	435	96	96	210
200325	MV-RAD 70-90°		1 1/2"	700	7.000	2	10,6	80	295	96	96	403
200286	MV-RAD 80		1 1/2"	800	8.000	1	11,4	80	484	102	102	220
200395	MV-RAD 110		1 1/2"	2.100	11.000	1	13,1	80	510	108	108	232
200466	MV-RAD 110-90°		1 1/2"	2.100	11.000	1	13,6	80	415	108	108	269

Repeatability of 3%

## 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 ergonomoy
- Life cycle and maintenance counters
- Rotatable gearbox to avoid pinch hazard
- Active cooler system on controller and wrench.

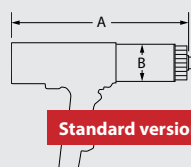


**NEW!**

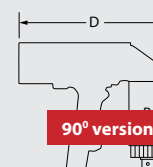
**E-RAD BLU 8.000-90°, 10K-90° and 15K-90°**

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.



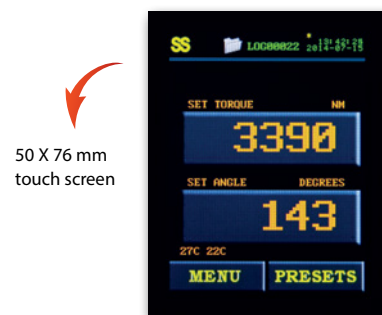
With the E-RAD BLU-S the actual applied torque to the bolt is measured, making the E-RAD BLU-S extremely precise and insensitive to different joint conditions. As for the standard E-RAD BLU, already very precise, any inaccuracy caused by joint sensitivity can be corrected by performing a point calibration 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.

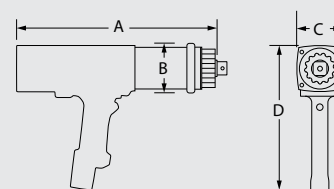
The E-RAD BLU -S works on a standard control box with a recent software version.

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



50 X 76 mm touch screen

◆ **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

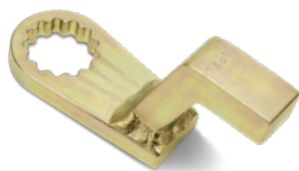
Repeatability +/- 2%, Accuracy transducer +/- 1%

# Accessories

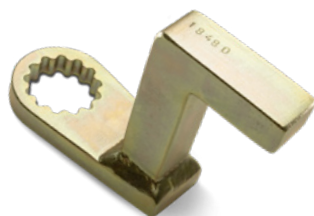
## Reaction arms

Each RAD tool includes a standard reaction arm. Please consult [www.radtorque.eu](http://www.radtorque.eu) for dimensions and part numbers.

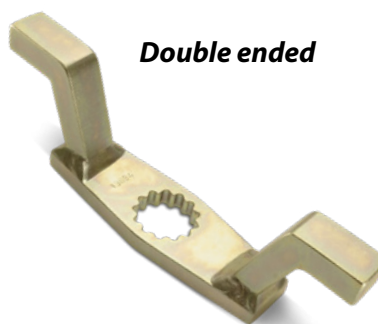
### Standard



### Deep Socket



### Double ended



### Various models of weldable blanks



## Custom designed reaction arms

If a standard reaction arm is not suitable for the job, RAD is able to provide you quickly a custom engineered reaction arm fully within safety standards. Check website for custom RA forms. In addition to this, blank weldable reaction arms can be supplied for quick and easy customization.

## RAD Smart Socket™ serie

- ◆ **Revolutionary socket for measuring torque directly on the bolt up to 16.200 Nm with an accuracy of < 1%**

Uses RAD Torque's transducer technology combined with custom sockets to measure the torque applied to the bolt during a torque cycle. By innovative design, the Smart Socket™ is no larger than a standard socket. It's compact size and innovative technology makes the Smart Socket™ a perfect audit tool for inspecting bolted joints and can function as a master calibration for various torque tools.

Smart Socket™ video



## Tool accessories

To further enhance the productivity and safety of RAD torque tools RAD has developed a wide range of accessories. For further details, please visit our website [www.radtorque.eu](http://www.radtorque.eu).

### Impact sockets



### SDM Gearbox



### RAD nose extensions



### Offset gearboxes





## RAD's advanced safety systems

Ergonomics and safety are very important during the design phase of any new RAD tool. In addition to making the job more ergonomic and safe, RAD wishes their tools to be easy to use, powerful, accurate and very reliable. RAD believes safety features should not impede workplace efficiency and speed, but should make workers aware of the risks involved in working with powerful tools.

RAD has developed a range of ergonomic and safety enhancing features we strongly recommend to consider to make the workplace more safe.

### Ergonomic features:

- RAD's patented planetary gear reduction drive system delivers 88 times less vibration than impact wrenches
- No risk of HAVS injuries (Hand-Arm-Vibration-Syndrome)
- Pistol grip trigger/control reduces operator fatigue
- RAD's low profile reaction arm eliminates all the operational load on the operator.

Safety video



### Tool safety features:

- User manual
- Double safety trigger (option)
- Hand guard kit for pneumatic series (option)
- Swivelling tool handle (option)\*
- Safety sliding reaction arm (option)
- Trigger guard kit for E-RAD series
- Safety instructions on USB drive
- Warnings and attention notifications on tool and case.

### B-RAD SELECT Double Safety Button



### Double safety trigger for pneumatic series



### Swivelling tool handle for all torque wrenches



### Safety sliding reaction arm



Product	Safety feature	Suitable for
Number	DOUBLE SAFETY BUTTON	RAD Torque Tool model
25949	B-RAD SELECT Double Safety Button	All B-RADs
Number	SWIVELLING TOOL HANDLE	RAD Torque Tool gearbox
19827	Swivelling tool handle	RAD 475 SL, 10 & 14 GX / B-RAD 100 & 475 / (M)B-RAD (SELECT) 275, 700 & 1400 / (M)V-RAD 6, 14 & 1400 / E-RAD BLU 950
19825	Swivelling tool handle	RAD 20 DX / (M)B-RAD (SELECT) 950 & 2000 / (M)V-RAD (SELECT) 2000 / E-RAD BLU 2000
19823	Swivelling tool handle	RAD 34 GX / (M)V-RAD 31, 34 & 3400 / E-RAD BLU 3400
26751	Swivelling tool handle	RAD 40 DX / (M)B-RAD (SELECT) 4000 / (M)V-RAD SELECT 4000
19821	Swivelling tool handle	RAD 46 GX / E-RAD BLU 4000 / MV-RAD 45
26674	Swivelling tool handle	RAD 70 DX / MV-RAD 70 / (M)B-RAD (SELECT) 7000
19819	Swivelling tool handle	RAD 80 DX / E-RAD BLU 8000 / MV-RAD 80
22931	Swivelling tool handle	RAD 110 DX / E-RAD BLU 10K / MV-RAD 110
19817	Swivelling tool handle	RAD 115 GX / MV-RAD 120
26634	Swivelling tool handle	RAD 150 DX / E-RAD BLU 15K

\*Standard on B-RAD SELECT 7000 and MB-RAD 7000



**LEADING MANUFACTURER OF ADVANCED TORQUE SYSTEMS**

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Africa, and Central Asia:***

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