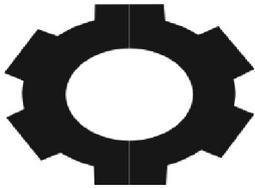




FUTURISTIC TORQUE & TENSION TECHNOLOGY

IN PARTNERSHIP WITH



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Industrial Tools & Service provider



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FUTURISTIC TORQUE & TENSION TECHNOLOGY



JOINT INTEGRITY SOLUTIONS

[titeforce.com](http://titeforce.com)



**BOLTED JOINT INTEGRITY**



**PROJECT MANAGEMENT**



**RENTAL SOLUTIONS**



**FEASIBILITY STUDIES & AUDIT SURVEYS**



**FAILURE & BOLTED JOINT ANALYSIS**



**CALIBRATION & REPAIRS FACILITY**



**SALES & TECHNICAL SERVICES**



**PRODUCT SUPPORT**



**TRAINING**

Supplying rental and maintenance solutions using world leading, high precision hydraulic, pneumatic, electric and electronic torque tooling and lifting equipment, backed by cutting edge technology and international quality management standards.



**OIL & GAS**



**OFFSHORE**



**ENERGY**



**MINING**



## TABLE OF CONTENTS

- 01** | **ABOUT US**
- 03** | **VALUES** : Vision & Mission
- 04** | **RAD TORQUE SYSTEMS**
  - Pneumatic : GEN-X Series
  - Pneumatic : Tool Kits
  - Electric Wrenches
  - Battery Operated Wrenches
  - Electronic Wrenches
  - Safety
  - Accessories
  - RAD Smart Sockets
- 04** | **TORSION-X**
  - MAXDRV Square Drive Series
  - HEXPRO Low Profile Series
- 13** | **WREN HYDRAULIC**
  - IBT Series
  - LOW / XLCT Series
- 16** | **ATW TOOLS**
  - ATWS Series
  - ATWH Series
- 19** | **HYDRAULIC PUMPS**
  - IBT4100 Series
  - KLW4000 Series
  - LP3 Mini Pump
  - IBT4000 Series
  - IBT4000N Series
- 21** | **HYDRAULIC CYLINDER SERIES**
- 23** | **EQUALIZER INTERNATIONAL**
  - Flange Alingment Solutions
  - Precision Lifting & Flange Pulling Solutions
- 28** | **NORWOLF**
  - Norwolf Tools
- 30** | **ADDITIONAL OFFERINGS**

**FUTURISTIC TORQUE & TENSION TECHNOLOGY**

## VALUES

### UPHOLD TRADITIONAL VALUES

Africanicity, the distinctly African ability to always find ways to get things done!

Accountability, the value of accountability is the willingness to take responsibility!

### VISION

Being the most passionately referred, Innovative, Interactive and Consumer Driven, Bolted Joint Integrity Solution Specialists in the Mechanical Industry!

### MISSION

*Torqueing Africa into the Future.*

To provide responsive, safe and trusted bolting solutions with the highest quality, most dependable, cost effective engineering solutions in the mechanical industry.

To build long lasting relationships empowered by integrity, accountability, quality and safety.



TFE Group has international prospective and the proven ability to connect with suitable acquirers globally.



PRODUCTS | RAD TORQUE SYSTEMS



**GEN-X SERIES**



Precision design and engineering has brought about the next generation in torque wrenches - the RAD GEN-X Series.

Designed for extreme duty use in a variety of industries worldwide, RAD GEN-X Series torque wrenches offer:

- ▶ The ultimate in power-to-weight ratio
- ▶ Wide torque range to suit multiple applications
- ▶ Unmatched reliability delivered by one of the most advanced engineered gear boxes on the market.



**RAD 150DX**  
RANGE:  
35 - 15000Nm

*All RAD Pneumatic Series tools include reaction arm, 12' hose & fittings and all new ergonomic regulator cage.*

**GEN-X 2 HIGH SPEED SERIES**

The RAD High-Speed Series torque wrenches incorporate a precision engineered high speed gear box designed for faster run down on time sensitive bolting applications.

- ▶ The ultimate in power-to-weight ratio
- ▶ Versatile Torque Ranges: 35-4100Nm
- ▶ Extreme Torque with High RPM Productivity



**RAD 14GX-2**

*All RAD Pneumatic Kits incl. Standard Reaction Arm, FRL Unit & Hose*

**RAD TRANSDUCER VERIFICATION SERIES**



- ▶ Pneumatic tools with a built in transducer.
- ▶ View data in real time on your tablet or smartphone
- ▶ Strain Gauge Technology, transducer accuracy: +/-1%.
- ▶ Data collection - record each torque cycle.



**RAD 14GX TV**



**RAD 10GX-R TV**



**RAD 46GX TV**



**RAD PNEUMATIC WRENCH TOOL KITS**



- ▶ Non Impacting Tool
- ▶ Zero Hammering or Vibration.
- ▶ Smooth Continuous Flow of Controlled Torque from 275Nm - 2000Nm
- ▶ Accuracy of +/- 5%.
- ▶ Reduced Noise Levels - 80 db.
- ▶ High RPM - Reduce Bolting Time.
- ▶ Diverse Tool for Multiple Applications.



**14 GX-NX TOOL KIT**



**15 DX-NX TOOL KIT**

**RAD 70 DX**



RAD Torque Systems expands its product range by adding another pneumatic torque wrench to its fleet. Capable of achieving 7.000 Nm, the new RAD 70 DX offers one of the highest power-to-weight ratios of any torque wrench on the market. It's no coincidence that the RAD 70 DX is lighter, faster, and stronger than competitors tools. The 70 DX has a torque range from 2.000 Nm - 7.000 Nm and weights only 10.7 Kg.



**RAD 70DX**

**RAD OTR MINING SERIES**



The RAD OTR Mining Series of wheel nut bolting systems were developed exclusively for extreme duty maintenance of mining haul trucks and earth movers from 50 - 400 ton capacities. The extended nose allows safe access of virtually all wheel configurations found on today's heavy equipment.



**RAD 20 NDX-R**



**RAD 2400GX-R**

**RAD OTR KIT 34GX Imperial**

*NOSE EXTENSIONS FOR OTR APPLICATIONS*



**RAD 34GX TORQUE RANGE 1000-3400 FT./LBS.**

**1 7/8" #5 SPLINESOCKET**

**8.5" L #5 SPLINE SHAFT**

**28.5" L #5 SPLINE SHAFT**

**4 POINT REACTION ARM**

DIGITAL V-RAD



Digital V-RAD Series extreme design innovation with colour screen and keypad for single increment digital torque settings.

Ideal for applications where compressed air is not readily available. Smooth continuous flow of controlled torque adjustable presets.



**RANGE: 550 – 3400Nm**

Fully programmable preset torque settings.

\* Also available in 1,5" Square Drive for heavy duty application. Accuracy of +/-5%. Repeatability of +/- 2%

BATTERY

B-RAD DIGITAL SERIES

B-RAD Battery Series of torque wrenches offer unmatched power, versatility and reliability. Incorporating our precision engineered gear boxes, their lightweight design makes these tools ideal for any application. No lines or power cords required!

All B-RAD tools come fully calibrated complete with :

- B-RAD Tool
- Reaction Arm
- Two 18 volt batteries
- Battery charger
- Calibration chart
- Storage case

**RANGE: 70 – 7000Nm**

\* Also available in 1,5" Square Drive for heavy duty application. Accuracy of +/-5%. Repeatability of +/- 2%



V-RAD ELECTRIC SERIES

V-RAD Electric Series are a new generation of electric torque wrenches used for the installation or removal of heavy duty fasteners where accuracy, power and safety are required.

- ▶ Quick adjustable torque settings
- ▶ Equal power in forward and reverse
- ▶ Advanced ultra-durable electric motor design

All V-RAD tools come fully calibrated complete with :

- V-RAD Tool
- Reaction Arm
- Operations manual
- Calibration chart
- Storage case

**RANGE: 550 – 3400Nm**



B-RAD SELECT BATTERY SERIES

B-RAD Battery Series of torque wrenches offer unmatched power, versatility and reliability. Incorporating our precision engineered gear boxes, their lightweight design makes these tools ideal for any application. No lines or power cords required!

All B-RAD tools come fully calibrated complete with :

- B-RAD Tool
- Reaction Arm
- Two 18 volt batteries
- Battery charger
- Calibration chart
- Storage case

**RANGE: 70 – 7000Nm**

Brushless Drive Motor Unit



E-RAD SERIES



E-RAD Series pistol grip electronic torque wrenches are lighter, faster, stronger and more reliable than other conventional means of bolting.

Accurate to +/- 3%, this patented tool ensures that each bolt will be tightened to exacting standards.

**RANGE: 50 – 15 000Nm**

All E-RAD tools come fully calibrated & complete with :

- E-RAD Tool
- Controller cables
- Reaction arm and Retention Ring
- Digital Torque Controller
- E-RADCAL Calibration Software



LED lights located on both sides, Forward/Reverse Switch, Integrated Fan Kit

RAD SAFETY ACCESSORIES



Ergonomics and safety are very important during the design phase of any new RAD tool. In addition to making the job ergonomic and safe, we want our 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.



V-RAD 90°, Hand Guard, Hand & Trigger Guards, Reaction Arms

## RAD REACTION ARMS

Safe & Reliable  According to European Standards



Standard Reaction Arm



Deep Socket Reaction Arm



Double End Reaction Arm

Each RAD tool includes a standard reaction arm. In addition to this, you can order the special reaction arms to ensure correct reaction for different applications. Please consult our website for dimensions and part numbers.

## RAD NOSE EXTENSIONS

Available for most RAD models. Please contact us for custom inquiries.

Safe & Reliable  According to European Standards



## PATENTED TRANSDUCER SERIES TORQUE VERIFICATION & CALIBRATION



RANGE:  
100 - 9,500Nm

## RAD SMART SOCKET SERIES

RAD smart-socket series uses RAD Torque's transducer technology combined with custom sockets to measure the torque applied to the socket during torque cycle. By innovative design, the smart-socket is no longer than a standard socket.

Current Sizes:  
60-80mm Smart-Socket; 50-60mm Smart-Socket  
48-50mm Smart Socket



 Non Impacting 
  Safe & Reliable 
  According to European Standards 
  Software Managed 
  USB Connection 
  Bluetooth Data Exchange 
  Lithium Ion Battery 
  Accredited ISO/IEC 17025



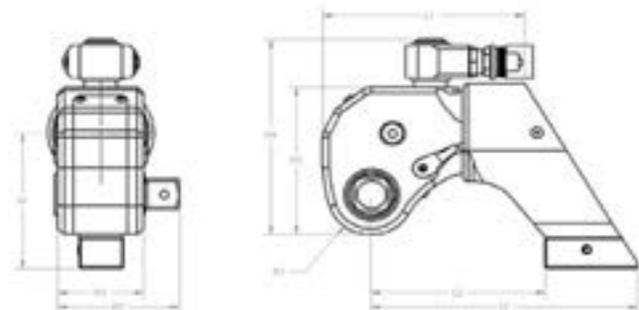
## MAXDRV SQUARE DRIVE SERIES

MaxDrv – Square Drive Torque Wrenches take on the toughest bolting jobs without missing a beat. They deliver precision torque during bolt makeup and maximum torque during bolt breakout.

They feature a compact design, constructed of aluminum and super high-strength steel alloy for increased strength and durability while minimizing the weight. The MaxDrv Series is available from 64 ft-lbs. to 18,446 ft-lbs.



**MAXDRV** SERIES



Model	.7MD		1MD		3MD		5MD		10MD		17MD	
Torque (Ft-Lbs.)	64-793		125-1,318		270-3,167		538-5,480		1,050-11,206		1,640-18,446	
Torque (Nm)	86-1,076		169-1,787		366-4,294		729-7,430		1,423-15,193		2,223-25,009	
Drive	0.75"		0.75"		1.00"		1.50"		1.50"		2.50"	
Weight	3.2 lbs1	0.45 kg	5 lbs2	0.27 kg	11 lbs	5.00 kg	18 lbs	8.16 kg	32 lbs	14.51 kg	61 lbs	27.67 kg
L1	3.90"	99.1 mm	4.83"	122.7mm	6.18"	157.0mm	7.47"	189.7mm	9.36"	237.7mm	10.85"	275.6mm
L2	5.08"	129.0 mm	6.23"	158.2mm	8.13"	206.5mm	9.73"	247.1mm	12.22"	310.4mm	14.20"	360.7mm
L3	3.32"	84.3 mm	4.11"	104.4mm	5.31"	134.9mm	6.41"	162.8mm	8.02"	203.7mm	9.19"	233.4mm
H1	1.62"	41.1 mm	1.97"	50.0mm	2.63"	66.8mm	3.16"	80.3mm	3.95"	100.3mm	4.63"	117.6mm
H2	2.56"	65.0 mm	2.88"	73.2mm	3.72"	94.5mm	4.93"	125.2mm	5.75"	146.1mm	6.98"	177.3mm
H3	3.02"	76.7 mm	3.77"	95.8mm	4.88"	124.0mm	5.97"	151.6mm	7.35"	186.7mm	8.50"	215.9mm
H4	4.29"	108.9 mm	4.97"	126.2mm	6.46"	164.1mm	7.71"	195.8mm	9.04"	229.6mm	10.36"	263.1mm
W	1.50"	38.1 mm	3.45"	87.6mm	4.49"	114.1mm	5.39"	136.9mm	6.73"	170.9mm	7.82"	198.6mm
R1	0.83"	21.1 mm	1.04"	26.4mm	1.31"	33.3mm	1.63"	41.4mm	2.03"	51.6mm	2.32"	58.9mm

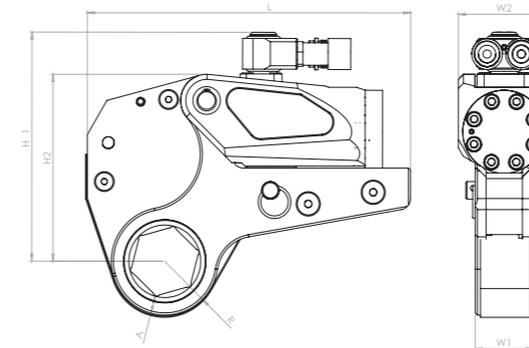
## HEXPRO LOW PROFILE SERIES

The versatile HexPro™ Series Hydraulic Torque Wrench supports an extensive range of interchangeable hexagon ratchet links that deliver a torque range of 150 ft-lbs. to 30,000 ft-lbs. They deliver precision torque during bolt makeup and maximum torque during bolt breakout.

Ratchet Links are interchangeable with most other major brand tools.



**HEXPRO** SERIES



Model	2HP		4HP		8HP		14HP		30HP	
Torque (Ft-Lbs.)	162 - 1,714		439 - 4,500		762 - 8,100		1,245 - 13,443		3,050 - 28,861	
Torque (Nm)	220 - 2,324		595 - 6,101		1,033 - 10,982		1,689 - 18,229		4,135 - 39,130	
Hex Size (Imperial)	3/4" - 2.3/8"		1.5/16" - 3.1/8"		1.1/2" - 3.15/16"		2" - 4.5/8"		3.1/8" - 6.7/8"	
Hex Size (Metric)	19mm - 60mm		36mm - 80mm		41mm - 100mm		50mm - 115mm		80mm - 175mm	
Power Head	3 lbs1	.36 kg	5 lbs2	.27 kg	8 lbs3	.63 kg	13 lbs 5	.90 kg	27 lbs	12.27 kg
Ratchet Link	4 lbs1	.81 kg	9 lbs4	.09 kg	16 lbs7	.27 kg	26 lbs	11.82 kg	70 lbs	31.82 kg
L	7.32"	185.9 mm	9.72"	246.9 mm	11.87"	301.5 mm	14.24"	361.7 mm	17.05"	433.1 mm
H1	5.26"	133.6 mm	7.85"	199.4 mm	8.43"	214.1 mm	9.41"	239.0 mm	12.40"	315.0 mm
H2	4.12"	104.7 mm	5.71"	145.0 mm	6.95"	176.5 mm	8.00"	203.2 mm	11.22"	285.0 mm
W1	1.25"	31.8 mm	1.65"	41.9 mm	2.08"	52.8 mm	2.52"	64.0 mm	3.35"	85.1 mm
W2	2.00"	50.8 mm	2.60"	66.0 mm	3.27"	83.1 mm	3.88"	98.6 mm	5.16"	131.1 mm

