



— AIR TOOLS AND TORQUE CALIBRATION SERVICES —

**“INDUSTRIAL TOOL SOLUTIONS”**

## HEAVY BOLTING APPLICATIONS



## Pneumatic Torque Multipliers

*A complete solution for every tool application*

**Ph: 1300 WALTAN  
(1300 925 826)**



**RAD**<sup>®</sup>  
**TORQUE SYSTEMS**



**CONTROLLED BOLTING SOLUTIONS**

Ph: 1300 WALTAN (1300 925 826) Fax: (08) 8297 0500 Email: [sales@waltan.com.au](mailto:sales@waltan.com.au)



### **RAD Quality**

Manufactured in Canada by New World Technologies Inc the RAD brand of Pneumatic, battery powered and electronic pistol grip wrenches offer a reliable and dependable solution for the installation and removal of heavy-duty fasteners in a variety of industries that require accuracy, power and safety.

### **Highest power-to-weight ratio of any power tool**

All RAD torque guns are designed to deliver the highest power-to-weight ratio of any torque tool on the market today, saving you time and money in maintenance or production costs. The extremely high torque and constant rotation make our tools ideal for virtually any bolting application you will encounter. Equal power in both forward and reverse allows more diversity for tough maintenance jobs.

### **Accuracy +/-5%, repeatability 2%**

Every RAD torque wrench is individually calibrated and traceable to NATA Standards to help ensure joint integrity. Our tools are many times more accurate than impact wrenches and in many cases can be more precise than click type manual torque wrenches, which are often over pulled by operators.

### **88 times less vibration than Impact wrenches... Operates at only 85 dba**

RAD torque guns are one of the safest power tools on the market today. Our exclusive low profile reaction arm takes virtually all the operational load off the operator, reducing injuries and greatly reducing operating costs. Don't wait for a time loss injury or legislation to force change in your environment, RAD guns set the standard in bolting safety.

### **Controlled Bolting Solutions**

All RAD Pneumatic Series Torque Tools are supplied with NATA traceable certificates of calibration and laminated torque charts for ease of use and reference. Torque control is achieved by adjustment of the air pressure in accordance with the dedicated certificate provided with each tool. The user selects the torque to be applied and obtains the corresponding air pressure rating from the torque chart or certificate, this pressure is then set on the lubro control unit which is supplied as Standard with every Pneumatic RAD gun.

### **Torque Reaction**

RAD Pneumatic Torque Wrenches are reversible, non impacting torque controlled tools which require the use of a reaction device to absorb reaction forces transmitted from the gearbox as torque is applied. Newton's Law dictates that for every force there is an equal and opposite reactive force and for this reason all of our tools are supplied with a standard reaction arm designed to work with standard length impact sockets and suit a wide range of applications.

# INDEX



## PNEUMATIC SERIES

CLASSIC	1
GEN-X	2
WHEEL BOLTING	3
NX KITS	4
UNDERGROUND MINING	5
RTS VALVE ACTUATOR	6

## BATTERY SERIES

BATTERY	7
DIGITAL BATTERY	8

## ELECTRIC SERIES

ELECTRIC	9
DIGITAL ELECTRIC	10

## ACCESSORIES

REACTION ARMS	11
SLIDING REACTION ARMS	12
CUSTOM REACTION ARMS	12
TOOL SUPPORT	12
NOSE EXTENSIONS	13
SAFETY VALVE	13
TRIGGER GUARDS	13
SOCKETS	14

# Pneumatic Series



**PNEUMATIC**

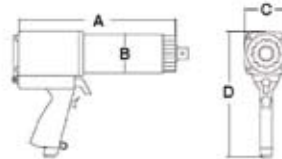
## Classic Series



The **RAD Classic Series** torque wrenches offer a reliable and dependable solution for controlled bolting environments. A stall type tool with no impacting results in a smooth continuous application of torque eliminating destructive hammering and reducing operator strain resulting in increased productivity.

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

Part No	Model	Drive	Torque		RPM	Weight Kg	Noise dB(A)	A	B	C	D
			Ft.Lbs	Nm				mm			
9922312316	350SL	3/4"	50-350	70-475	65	2.7	80	167	60	69	222
9922312345	2000	1"	500-2000	700-2700	13	5.6	85	228	76	83	241
9922312346	2000-2	1"	700-2000	950-2700	53	9.2	85	292	78	93	264
9922312357	50	1-1/2"	1500-5000	2000-6800	8	12.7	85	335	101	93	264



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# Pneumatic Series



**PNEUMATIC**

## Gen-X Series



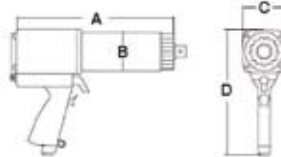
80DX

Designed for extreme duty use in a variety of industrial applications worldwide the **Gen-X** is the next generation in torque wrenches.

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

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

Part No	Model	Drive	Torque		RPM	Weight Kg	Noise dB(A)	A	B	C	D
			Ft.Lbs	Nm							
9922312814	7GX	3/4"	100-700	135-950	30	3.6	80	228	63	69	228
9922312818	10GX	3/4"	200-1000	270-1350	20	3.6	80	228	63	69	228
9922317328	15DX	1"	300-1500	400-2000	10.4	3.9	85	200	70	65	225
9922312377	25GX	1"	500-2500	700-3400	9	6.1	85	246	77	83	241
9922312356	34GX	1"	1000-3400	1350-4600	12	9	85	325	86	93	264
9922315328	60DX	1-1/2"	2000-6000	2700-8100	6.6	12.5	85	348	114	101	277
9922318558	80DX	1-1/2"	2500-8000	3400-10800	4.2	13.6	85	326	108	94	279
9922312383	85GX	1-1/2"	3000-8500	4100-11550	4.5	17.4	85	431	120	127	279



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# Pneumatic Series



**PNEUMATIC**

## Wheel Nut Bolting Series



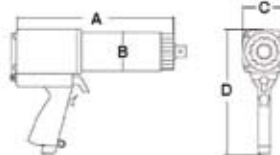
These tools were designed with one job in mind – **wheel nut bolting** for light and heavy duty applications where torque control is a must. The extended nose with available custom reaction arms make this tool ideal for reaching wheel nut studs that are recessed.

Part No	Model	Drive	Torque		RPM	Weight Kg	Noise dB(A)	A	B	C	D	E
			Ft.Lbs	Nm				mm				
9922313495	7GX-R	3/4"	300-700	400-950	115	5.4	80	368	63	50	69	228
9922313479	2000NGX-R	1"	500-2000	700-2700	10	12.4	85	546	76	50	83	241
9922300700	WM-700	3/4"	300-700	400-950	115	5.4	80	368	63	50	69	228

The New **WM-700** or Wheel Master as it has become known is an all new tool developed specifically for the tightening of wheel nuts on trucks, buses and commercial vehicles up to 700ft.lbs.



WM-700



# Pneumatic Series



**PNEUMATIC**

## NX Kits



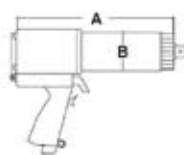
For the complete tool kit look no further than the **RAD NX Kit!**

Packaging the RAD tool of choice with a selection of reaction arms and a nose extension enables users to undertake 99% of bolting applications without the need for additional accessories.

Each kit contains:

- RAD Pneumatic Torque Tool
- Standard Reaction Plate
- Tool Holder with Filter / Regulator / Lubricator
- Nose Extension
- Standard Reaction Arm for Nose Extension
- Wheel Nut Reaction Arm for Nose Extension
- Military Grade water / dust proof hard case
- Hoses and Fittings

Part No	Model	Torque		RPM	Nose Extension
		Ft.Lbs	Nm		
9922315517	7GX-NX	100-700	135-950	30	12"
9922313691	10GX-NX	200-1000	270-1350	20	12"
9922315523	15DX-NX	300-1500	400-2000	10.4	12"
9922315522	25GX-NX	500-2500	700-3400	8	18"
9922315524	34GX-NX	1000-3400	1350-4600	12	18"
9922315525	2000-NX	500-2000	700-2700	13	15"



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# Pneumatic Series



**PNEUMATIC**

## Underground Mining Series

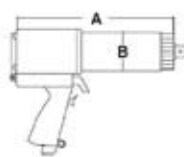


Expanding on the extensive range of controlled bolting torque equipment, the **Underground Series** now allows underground coal and shale mines the same benefits and safety factors that their above ground counterparts have been enjoying for years.

Whilst in many environments the low levels of Titanium and Magnesium contained within the specially designed air motor are deemed acceptable for use in combustible environments, RAD treat all exposed aluminium components to comply with Australian Underground requirements in accordance with the Department of Primary Industry.

The Tool Holder and filter assembly that is used to set the required torque value is manufactured from High Density Polypropylene and each tool is supplied complete with a Fire Resistant Anti-Static (FRAS) Hose.

Part No	Model	Drive	Torque		RPM	Weight Kg	Noise dB(A)	A	B	C	D
			Ft.Lbs	Nm							
9922300300	350SL	3/4"	50-350	70-475	65	2.7	80	167	60	69	222
9922300310	7GX	3/4"	100-700	135-950	30	3.6	80	228	63	69	228
9922300320	10GX	3/4"	200-1000	270-1350	20	3.6	80	228	63	69	228
9922300330	15DX	1"	300-1500	400-2000	10.4	3.9	85	200	70	65	225
9922300340	2000	1"	500-2000	700-2700	13	5.6	85	228	76	83	241
9922300350	25GX	1"	500-2500	700-3400	9	6.1	85	246	77	83	241
9922300360	34GX	1"	1000-3400	1350-4600	12	9	85	325	86	93	264



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# Pneumatic Series



**PNEUMATIC**

## RTS Actuator

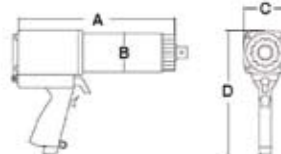


Driven by market pressure RAD have developed the **New Actuator Series** of pneumatic torque tools. Based on the world renowned RAD Gen-X Series RAD have cleverly mastered a manual two speed gearbox to enable users to manually change between low and high speed and torque. This functionality is specifically targeted at users looking to actuate or service Gate, Ball or Lunkenheimer type valves where maximum torque is required to 'break' the valve from its seat but a lower torque with maximum speed is required to actuate the valve through its range of travel.

With a certified accuracy of +/- 5% the New Actuator gives the user full piece of mind that the valve being actuated will not be overloaded resulted in expensive valve stem damage or failure.

All Actuator Series Tools are supplied with a standard reaction arm, 3M Hose, Tool Holder, Filter / Regulator / Lubricator, Waterproof Site Box and Instruction manual as Standard. Specialised reaction arms and actuation devices can also be engineered to order to suit customers individual requirements or valve type.

Part No	Model	Drive	Torque		RPM		Weight Kg	Noise dB(A)	A	B	C	D
			Ft.Lbs	Nm	Low	High						
9922300410	RTSA-7	3/4"	100-700	135-950	30	105	4	80	278	63	69	228
9922300420	RTSA-10	3/4"	200-1000	270-1350	20	100	4	80	278	63	69	228
9922300430	RTSA-15	1"	300-1500	400-2000	10.4	52	4.5	85	250	70	65	225
9922300440	RTSA-25	1"	500-2500	700-3400	9	40	6.5	85	296	77	83	241
9922300450	RTSA-34	1"	1000-3400	1350-4600	12	50	9.5	85	375	86	93	264



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# Battery Series



**BATTERY**

## Battery Series

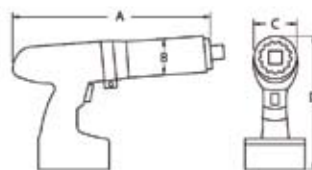


**RAD Battery Series** Torque Wrenches offer unmatched power, versatility and reliability. Incorporating our precision engineered gearboxes, these tools are ideal for any application where compressed air or electricity are not readily available.

Standard Battery Series Tools are not recommended for controlled bolting applications. Customers requiring controlled accuracy and repeatability should use the Digital Battery Series tools.

**No hassles. No air Lines. No power cords.**

Part No	Model	Drive	Torque		RPM	Weight Kg	A	B	C	D
			Ft.Lbs	Nm			mm			
9922320086	B-RAD 500	3/4"	200-500	270-675	5	3.7	256	64	64	260
9922320092	B-RAD 500-2	3/4"	200-500	270-675	29	4.5	307	64	64	260
9922320087	B-RAD 1000	3/4"	400-1000	540-1350	3	4.2	270	64	64	260
9922320093	B-RAD 1000-2	3/4"	400-1000	540-1350	12	4.9	321	64	64	260
9922320088	B-RAD 1500	1"	600-1500	810-2000	2	4.6	275	69	69	263
9922320094	B-RAD 1500-2	1"	600-1500	810-2000	10	5.1	330	69	69	263



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# Battery Series



**BATTERY**

## Digital Battery Series



The range of **Digital B-RAD** tools are the world's first digital, cordless torque wrenches. With a fully programmable digital display and single increment torque settings in both ft.lbs or Nm this tool takes controlled bolting to the next level.

Individually calibrated and NATA Traceable with an accuracy of +/-5% this tool is ideally suited to both production environments and field applications.

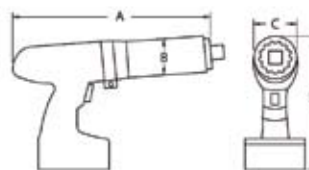
The colour screen with keypad provides unmistakable visual LED indicator lights with user definable presets for ease of use.

All tools are supplied with two lithium ion batteries, charger and reaction arm in a hard case.

Part No	Model	Drive	Torque		RPM	Weight Kg	A	B	C	D
			Ft.Lbs	Nm						
9922316821	Digital B-RAD 500-2	3/4"	150-500	200-675	26	5	324	64	76	279
9922316822	Digital B-RAD 1000-2	3/4"	250-1000	330-1350	11	5.3	330	64	76	279
9922316823	Digital B-RAD 1500-2	1"	375-1500	500-2000	8	5.3	349	56	76	276
DBR-SP1	Digital Screen Cover									



Optional Screen Protector  
DBR-SP1



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# Electric Series



**ELECTRIC**

## Electric Series



**V-RAD** series are a new generation of electric torque wrenches used for installation or removal of heavy duty fasteners where accuracy, power, and safety are required. This series comes without the hassle of air hoses and simply runs when plugged into any electric power supply or generator.

Standard V-RAD Series Tools are not recommended for controlled bolting applications, customers requiring controlled accuracy and repeatability should use the Digital V-RAD Series tools.

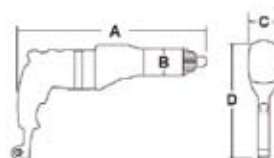
Maximum versatility and efficiency

Part No	Model	Drive	Torque		Weight Kg	A	B	C	D
			Ft.Lbs	Nm					
9922313497	V-RAD 4	3/4"	100-400	135-540	4.5	431	63	76	215
9922312899	V-RAD 10	3/4"	300-1000	400-1350	4.9	457	63	76	215
9922312389	V-RAD 16	1"	500-1600	700-2170	6.8	482	76	76	215
9922313501	V-RAD 23	1"	800-2300	1100-3100	6.8	495	76	76	215

Not for Controlled Bolting Applications



V-RAD 23



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# Electric Series



**ELECTRIC**

## Digital Electric Tools

Introducing the new range of RAD pistol grip Torque Multipliers. The new **Digital V-RAD** tool takes controlled bolting to a new level.

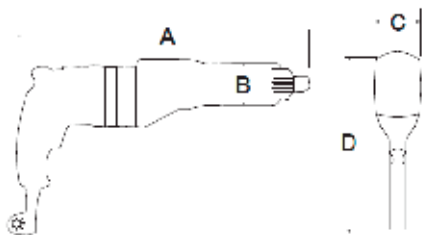


- The ultimate in power to weight ratio
- 220-240V Power Supply
- Digital Display
- Preset Torque settings with Auto Shutoff
- Unmistakable LED pass/fail Lights
- Individually calibrated and NATA traceable calibration
- Accuracy +/- 5% of reading
- Bi-Directional.

Part No	Model	Drive	Torque		RPM	Weight Kg	Noise dB(A)
			Ft.Lbs	Nm			
9922316120	DV-RAD 1000	3/4"	400-1000	540-1350	7.7	8.4	80
9922313121	DV-RAD 1500	1"	600-1500	800-2000	5.8	8.8	80
9922313122	DV-RAD 2000	1"	800-2000	1000-2700	3	12	80

DVR-SP1

Digital Screen Cover



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# Accessories

## Reaction Arms



Tool Series	Standard Angled	Angled Deep Socket	90 Deg Standard	90 Deg Deep Socket	Double Ended	Weldable	D/E Weldable	Retaining Ring
<b>Battery Series</b>								
B-RAD 500 / DB-RAD 500	N/A	N/A	9922310686	9922310687	9922310688	9922310036	9922310037	9922310306
B-RAD 1000 / DB-RAD 1000	9922317235	9922317236	9922313366	9922313367	9922313368	9922311459	9922313365	9922312733
B-RAD 1500 / DB-RAD 1500	9922317375	99223318480	9922318863	9922318864	9922310516	9922310513	9922310448	9922317367
<b>Electronic Series</b>								
E-RAD 700	9922317235	9922317236	9922311460	9922311461	9922311463	9922311459	9922311462	9922312733
E-RAD 1200	N/A	N/A	9922310004	9922310007	9922310009	9922310005	9922310008	9922310014
E-RAD 2000	N/A	N/A	9922310247	9922310395	9922310397	9922310394	9922310396	9922310038
E-RAD 2500 COMP	9922318863	9922318864	9922310247	9922310395	9922310397	9922310394	9922310396	9922310509
E-RAD 3000	9922310022	9922310025	9922318497	9922318498	9922311533	9922311530	9922311532	9922311350
E-RAD 4000	9922310039	9922310401	9922318497	9922318498	9922311533	9922311530	9922311532	9922311350
E-RAD 6000	N/A	N/A	9922315375	9922315788	9922315790	9922315789	9922315373	9922315367
<b>Electric Series</b>								
V-RAD 4	N/A	N/A	9922310686	9922310687	9922310688	9922310036	9922310037	9922310306
V-RAD 10 / DV-RAD 1000	9922317235	9922317236	9922313366	9922313367	9922313368	9922313364	9922313365	9922312733
V-RAD 16	N/A	N/A	9922310004	9922310007	9922310009	9922310005	9922310008	9922310014
V-RAD 23	9922317327	9922317328	9922318863	9922318864	9922310516	9922310513	9922310448	9922310509
DV-RAD 1500	9922317375	9922318480	N/A	N/A	9922319094	9922317888	9922319093	9922317367
DV-RAD 2000	9922318863	9922318864	9922310247	9922310395	9922310397	9922310394	9922310396	9922310509
<b>Pneumatic Series</b>								
RAD 350SL	N/A	N/A	9922310686	9922310687	9922310688	9922310036	9922310037	9922310306
RAD 550SL	N/A	N/A	9922314900	9922315923	9922315924	9922310036	9922310037	9922310306
RAD 7GX / 10GX	9922317235	9922317236	9922313366	9922313367	9922313368	9922311459	9922313365	9922312733
RAD 7GX-R	9922313512	9922312902	9922313512	9922312902	9922313442	9922313773	9922312903	9922310306
RAD 800NG	N/A	N/A	9922310043	9922310458	9922310459	9922310044	9922310045	9922310038
RAD 1400NG / 1800NG	N/A	N/A	9922310004	9922310007	9922310009	9922310005	9922310008	9922310014
RAD 15DX	9922317375	9922318480	N/A	N/A	9922319094	9922317888	9922319093	9922317367
RAD 2000	N/A	N/A	9922310247	9922310395	9922310397	9922310394	9922310396	9922310038
RAD 2000NGX-R	N/A	N/A	9922313484	9922313515	9922313516	9922313513	9922313514	9922313476
RAD 25GX	9922318863	9922318864	9922317375	9922318480	9922319094	9922317888	9922319093	9922310509
RAD 30	N/A	N/A	9922310022	9922310025	9922310027	9922310024	9922310026	9922310032
RAD 34GX	9922318497	9922318498	9922311531	9922311534	9922311533	9922311530	9922311532	9922311350
RAD 50	N/A	N/A	9922310039	9922310401	9922310403	9922310040	9922310402	9922310032
RAD 60DX	N/A	N/A	9922315375	9922315788	9922315790	9922315373	9922315789	9922315367
RAD 85GX	N/A	N/A	9922312885	9922313508	9922313509	9922313505	9922313506	9922311930

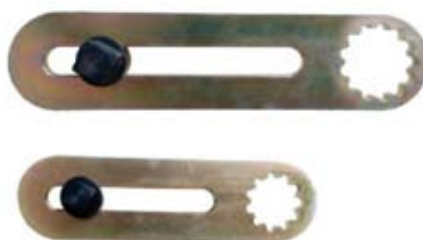
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# Accessories

## Sliding Reaction Arms

In addition to the standard range of reaction arms RAD also offer a range of sliding reaction arms that ensure perfect reaction every time whilst eliminating pinch points and optimising safety. These reactions arms are perfectly suited to flange assembly and applications with regular bolt pattern arrangements.

Part No	Arm No.	Suits Tool Model	Min CTRS	Max CTRS
9922309010	CRP12818-1	10GX	60mm	180mm
9922309020	CRP17328-1	15DX	76mm	255mm
9922309030	CRP12377-17	25GX	76mm	255mm
9922309040	CRP12356-6	34GX	76mm	178mm



## Custom Reaction Arms

With full engineering capability RAD Torque Systems are pleased to custom design and manufacture a full range of special engineer to order reaction arms to suit any application. Please contact your local distributor to discuss your requirements for a specific or custom application. Our engineering Department can design a reaction arm to suit your requirements.



## Tool Support

To enable ease of use RAD are pleased to offer a range of secondary support handles to facilitate two handed operation of the tool to further increase safety. A range of lifting eyes are also available to allow the suspension of all tool models using a spring balancer. Both secondary handles and lifting eyes clamp positively to the tool whilst still allowing it to rotate through 360 degrees.

Support Handle



Lifting Ring



Single Combo



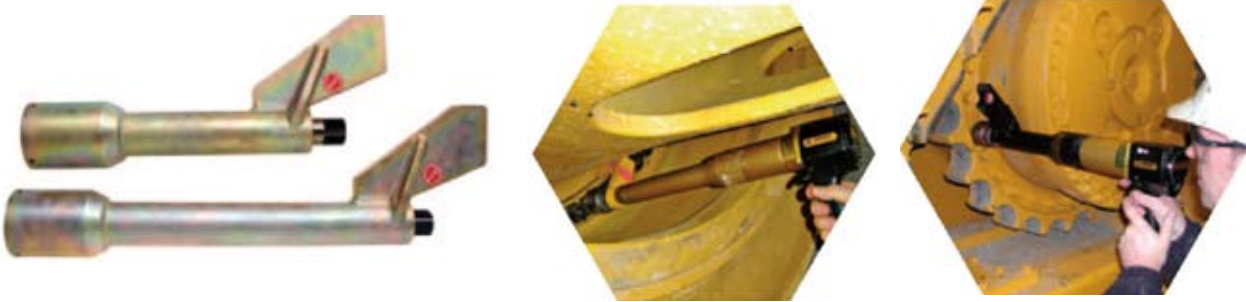
Double Combo



# Accessories

## Nose Extensions

RAD Nose extensions are engineered to enable the use of RAD tools in difficult to access areas where a standard tool would not normally fit. These extensions remove the need to use impact extension shafts which can put the operator in danger and subject the tool to excess side loading.



## Safety Valve

The new Pneumatic Series Safety Valve has been developed to ensure the users hands are always kept away from the torque reaction point ensuring maximum safety at all times.



## Trigger Guards

A full range of Trigger guards are available to suit all RAD Pneumatic Series Tools. These guards can be retro-fitted to all tools providing additional safety to the operator.

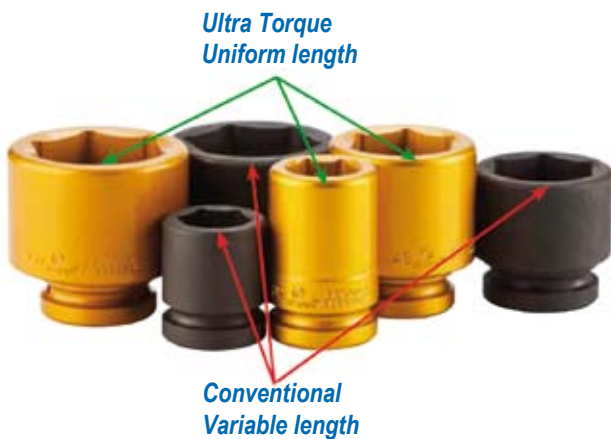


# Accessories

## Impact Sockets



6 Point	12 Point	Ultra Torque	Socket Sets
 <p data-bbox="159 1265 438 1411">Available in drives 3/4", 1", 1-1/2", 2-1/2" Standard and Deep Series Imperial and Metric</p>	 <p data-bbox="494 1265 774 1411">Available in drives 3/4", 1", 1-1/2", 2-1/2" Standard and Deep Series Imperial and Metric</p>	 <p data-bbox="845 1265 1077 1366">Available in 1" drive Imperial and Metric Also available in Sets</p>	 <p data-bbox="1149 1265 1428 1411">Available in many drives and size ranges Standard and Deep Series Imperial and Metric</p>



Ultra Torque sockets are specifically designed for high torque applications. They ensure safe operation with hydraulic wrenches and pneumatic nut runners.

# **TOOL SERVICING & REPAIRS**

## **MINING, CONSTRUCTION & GENERAL INDUSTRY**

**FREE WRITTEN QUOTES-NORMALLY WITHIN 24 HOURS**

**PNEUMATIC TOOLS**

**HAND HELD HYDRAULIC TOOLS**

**ELECTRIC TOOLS**

**TORQUE TOOLS**

**CALIBRATION AND CERTIFICATION**

**TEST AND TAG**



### **THE SERVICE/REPAIR SCHEDULE THAT WE PROVIDE**

*Raise a Job Card for each tool and enter the tool information into our data base thereby recording tool history.*

*Test tool performance to establish service/repair requirement.*

*Dismantle, clean and inspect the tool.*

*Provide a free written quote outlining the tool requirements.*

*Replace or repair damaged/worn parts as required. If the tool is beyond economical repair a quote for a new replacement tool will be provided.*

*Test output and performance of the repaired tool. Impact wrenches are checked on our in-house Skidmore-Wilhelm BOLT LOAD METER.*

*Provide a Service/Repair report with each tool.*

*Issue a Calibration Certificate for Torque tools (NATA Traceable).*



