

C-RAD

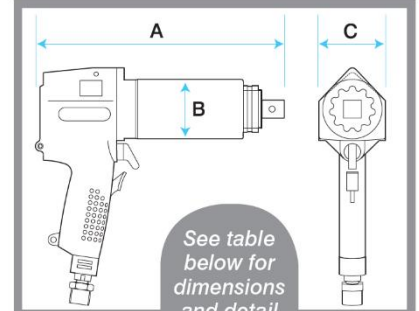
Pneumatic Torque Tool

C-RAD PNEUMATIC

The C-RAD range of pneumatically powered torque tools are an ideal choice for the toughest bolt tightening and un-tightening jobs.

Torque control is achieved by adjustment of the air pressure via a **C-RAD Lubro Unit** installed between the air compressor and torque tool. See page 8 and 9 for further details.

Automatic two speed versions are available which allow the C-RAD operator to run down a fastener up to 5 times faster than the normal operating speed.



Model	Dimensions (mm)			Weight Kg	Speed (rpm)		Torque Range (Nm)		Square Drive
	A	B	C		Single	Auto 2	Min	Max	
C-RAD 1	181	62	69	2.5	290	n/a	20	100	3/4"
C-RAD 3	195	62	69	2.7	90	n/a	55	275	3/4"
C-RAD 5	195	62	69	2.7	55	n/a	80	500	3/4"
C-RAD 5A	254	62	69	4.0	n/a	250	150	500	3/4"
C-RAD 10L	232	63	69	3.5	30	n/a	150	950	3/4"
C-RAD 14	232	63	69	3.6	12	n/a	275	1,350	3/4"
C-RAD 14A	283	63	69	4.5	n/a	80	400	1,350	3/4"
C-RAD 20	233	69	69	3.9	10	n/a	400	2,000	1"
C-RAD 20A	288	69	69	4.8	n/a	50	700	2,000	1"
C-RAD 27	265	76	83	5.7	10	n/a	550	2,700	1"
C-RAD 27A	317	76	83	7.3	n/a	45	850	2,700	1"
C-RAD 34	286	77	83	6.5	8.5	n/a	700	3,400	1"
C-RAD 34A	335	77	83	7.6	n/a	35	952	3,400	1"
C-RAD 40DX	289	81	83	7.0	6	n/a	1,200	4,000	1"
C-RAD 40DXA	368	81	83	7.3	n/a	49	1,400	4,000	1"
C-RAD 46	338	86	96	10	12	n/a	1,360	4,600	1"
C-RAD 70	329	95	95	10.7	4.5	n/a	2,000	7,000	1 1/2"
C-RAD 80	346	102	96	12.5	6.6	n/a	2,700	8,000	1 1/2"
C-RAD 110	476	115	96	13.8	4	n/a	3,400	10,800	1 1/2"
C-RAD 115	425	115	85	17.4	4.5	n/a	4,100	11,500	1 1/2"
C-RAD 150	415	127	96	19.0	3	n/a	5,400	15,000	1 1/2"

* 'A' denotes Auto 2 Speed models

W. Christie (Ind) Ltd, Christie House
Meadowbank Road, Rotherham, S61 2NF

www.wchristie.com

C-RAD

Pneumatic Torque Tool

- Non-impacting (vibration below 2.5 m/s²)
- Low noise (operates below 85 decibels)
- Accurate (will stall repeatedly within +/- 4%)
- Auto two speed versions available*
- All tools are supplied with a dedicated calibration certificate

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& ADVICE**
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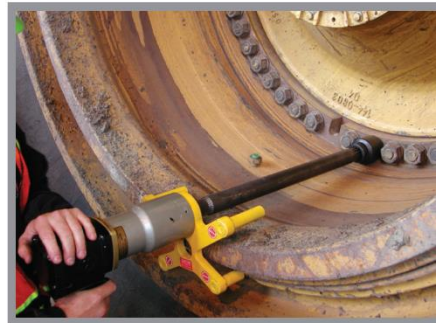


Don't struggle with standard reaction plates

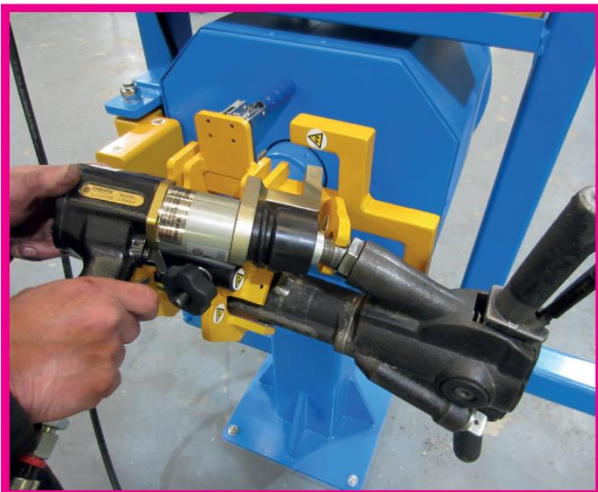
Torque tool breakages are often the result of incorrect reaction. Special reactions (as shown in some of the application images and on page 10 - Accessories) can be designed and manufactured quickly to suit your individual applications.



Valve tightening & removal



C-RAD PNEUMATIC



Jigger pick maintenance



Bus wheel rotation test



Heavy Duty C-RAD Pneumatic Torque Tool

C-RAD HEAVY DUTY

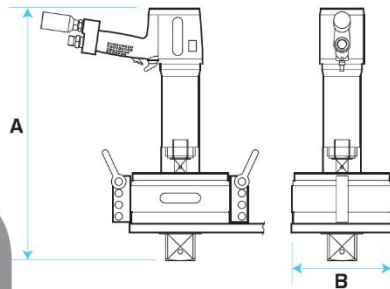
To achieve torques of 20,000 Nm or greater, W. Christie offer three C-RAD models in the 'Heavy Duty' range.

These high torque models incorporate the standard range of pneumatic tools with an additional 'bolt-on' gear module. This design gives the tool dual usage whereby low torques can be applied using the standard component of the tool and higher torques with the additional gear module in place.



2 Tools in One
- use the smaller tool when removed from the large gearbox.

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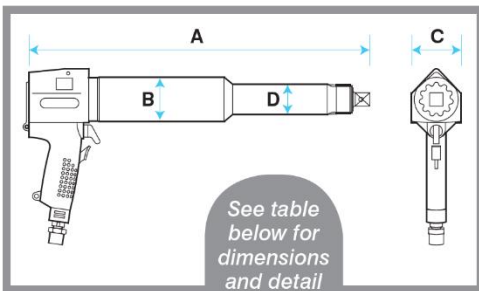
See table below for dimensions and detail

Model	Dimensions (mm)		Weight Kg	Speed (rpm)		Torque Range (Nm)		Square Drive
	A	B		Single	Auto 2	Min	Max	
C-RAD 200	565	218	42	1.7	n/a	4,500	20,000	2½"
C-RAD 340	575	260	83	0.5	n/a	10,420	34,000	2½"
C-RAD 570	671	320	102	0.9	n/a	13,500	57,000	2½"
C-RAD 1000	750	320	127	0.3	n/a	24,000	100,000	3½"

Integral Nose Cone Tools

INTEGRAL NOSE CONE TOOLS

C-RAD models with integral nose cones are the perfect tool for wheel nut jobs, ensuring a stable, accurate, and safe reaction.



See table below for dimensions and detail



Detachable Nose Cones for the Standard Range of Hand Held Torque Tools

Model	Dimensions (mm)				Weight Kg	Speed (rpm)		Torque Range (Nm)		Square Drive
	A	B	C	D		Single	Auto 2	Min	Max	
C-RAD 10LNA	368	63	69	43	5.4	n/a	115	400	950	¾"
C-RAD 27XN	546	76	83	50	12.4	10	n/a	700	2,450	1"

Please contact us for further information.



C-RAD

Accessories

C-RAD ACCESSORIES



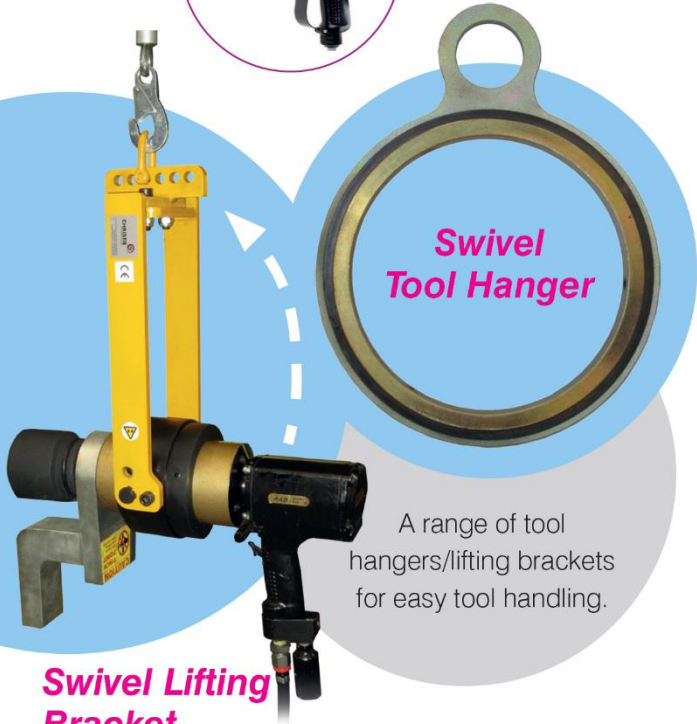
Hand Guards

Provide increased safety in tool handling and use.



Storage Boxes

Standard and bespoke storage solutions available on request.



Swivel Tool Hanger

A range of tool hangers/lifting brackets for easy tool handling.

Swivel Lifting Bracket



Swivelling Tool Handles

Extra handle which fits to the gearbox for improved ergonomics.



Bespoke Reactions

Don't struggle with standard reaction plates.

Torque tool breakages are often the result of incorrect reaction.

Special reactions can be designed and manufactured quickly to suit your individual applications.

Safety Trigger

The tool can only be activated with both the pistol trigger and the rear safety trigger pressed at the same time.

