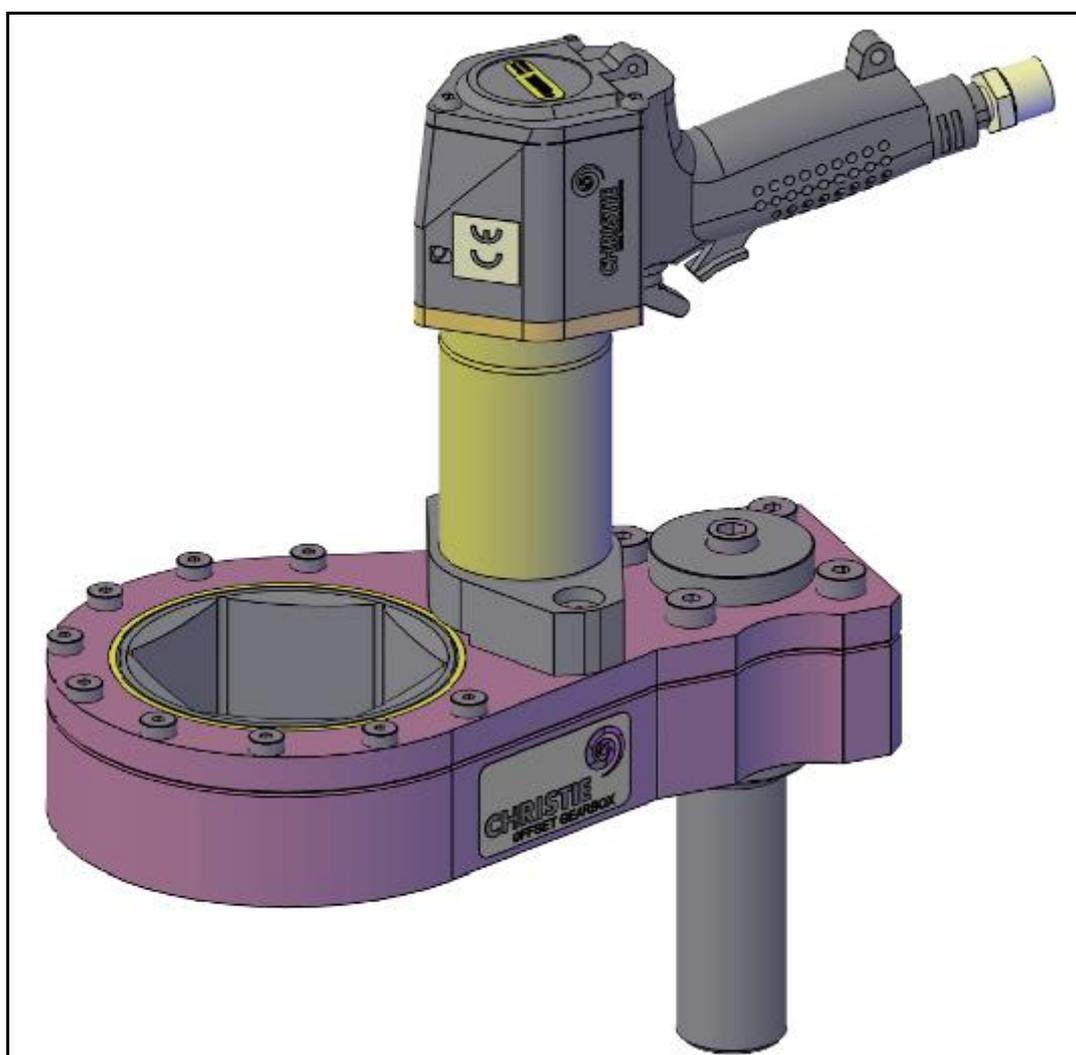


CE



CHRISTIE
TOTAL TORQUE SOLUTIONS

COG-VT (CHRISTIE OFFSET GEARBOX)
OPERATION MANUAL



CONTENTS

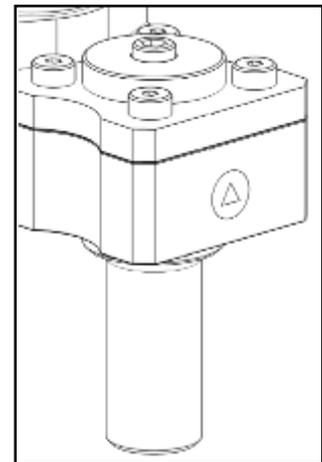
<u>Page</u>	<u>Description</u>
1	Warning / Introduction
2	Gearbox Assembly Components
3	Assembly
4	Operation
5	E.C. Declaration of Conformity
-	Calibration Certificate

WARNING:-

Always keep hands clear of The reaction zone when the equipment is in use, or serious injury may result.

Do not exceed 2,470Nm output torque (With CRAD10L)

Do not exceed 2,600Nm output torque (With CRAD10X)



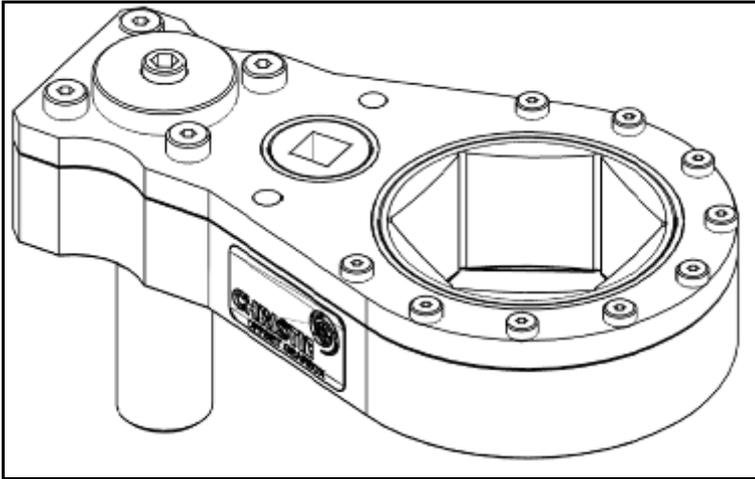
INTRODUCTION

Because of the size and configuration of this offset gearbox there is a percentage of torque gain from input to output.

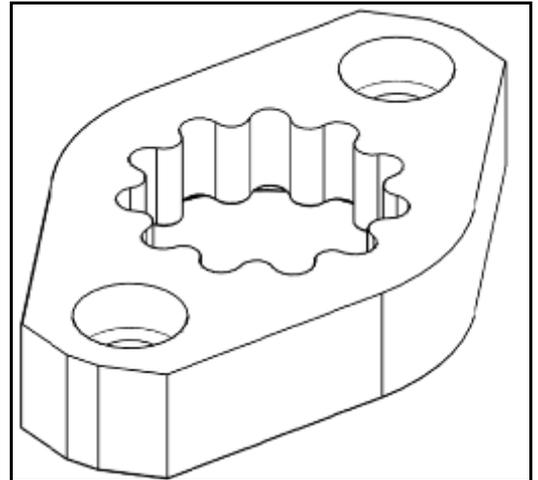
This means that **less** torque needs to be applied to the input to achieve the required torque output.

NOTE:- Refer to calibration certificate (graph) for torque figures of assembled gearbox and CRAD Wrench (The torque gain has already been taken into account on this graph)

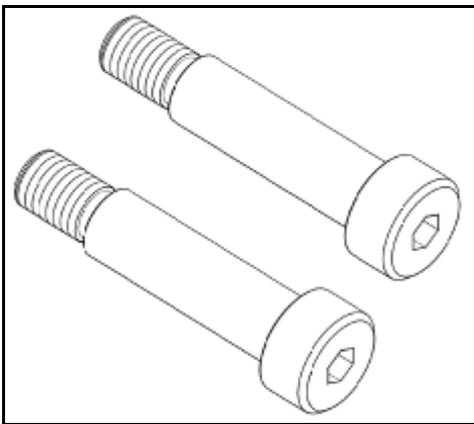
COG-VT ASSEMBLY COMPONENTS



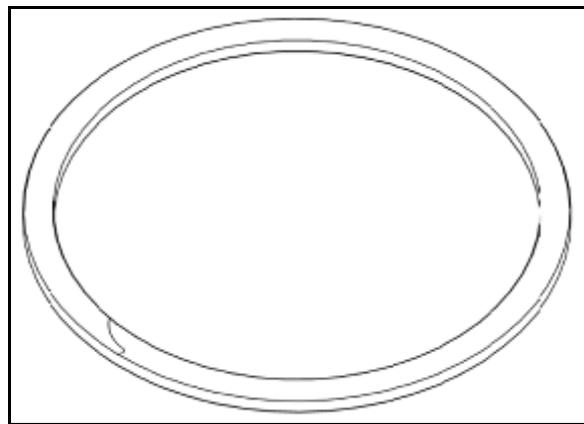
COG-VT (Offset Gearbox)



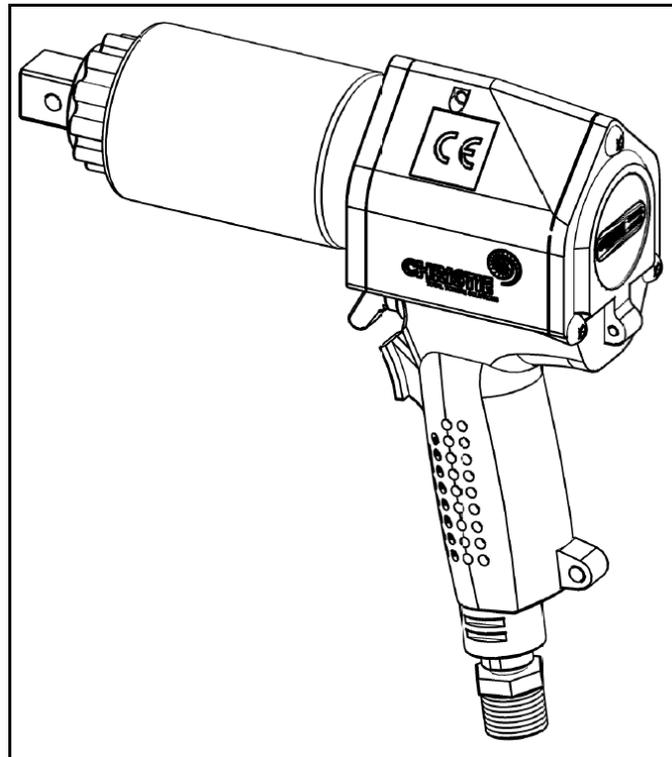
Tool Adaptor



Fasteners (For Tool Adaptor)

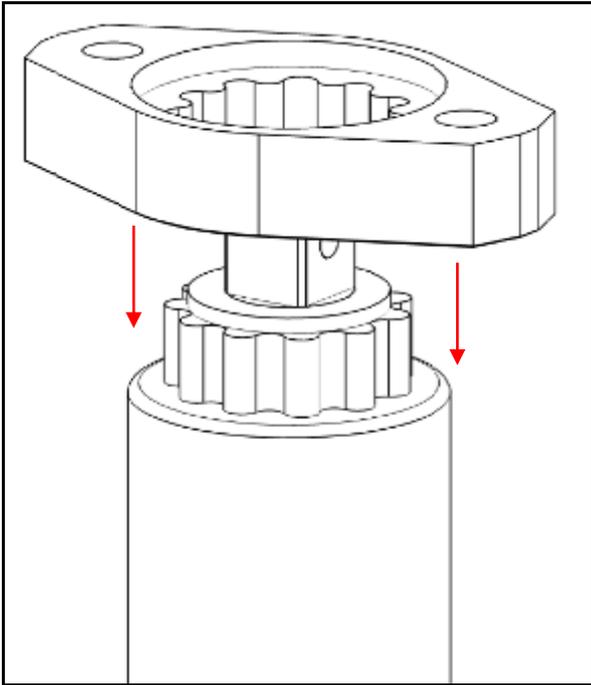


Spirolox Clip (Supplied With CRAD Wrench)

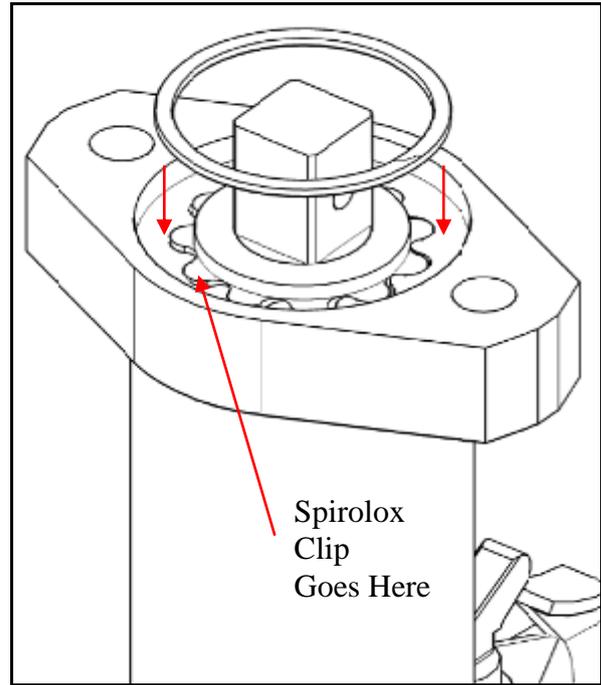


CRAD10L or CRAD10X Pneumatic Torque Wrench

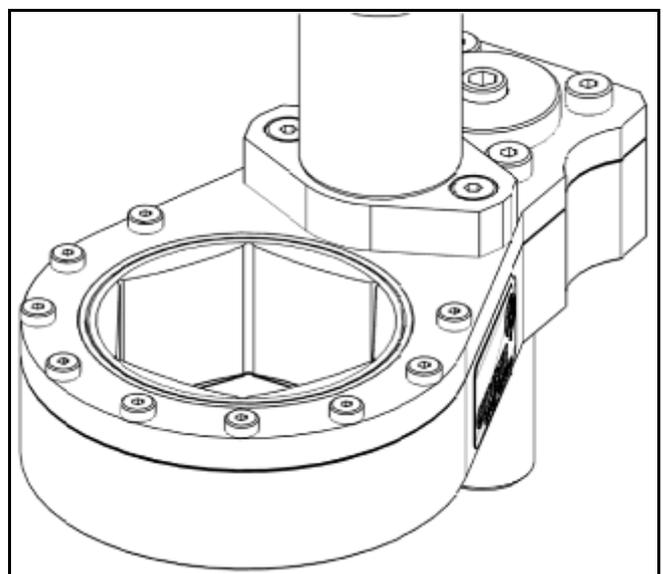
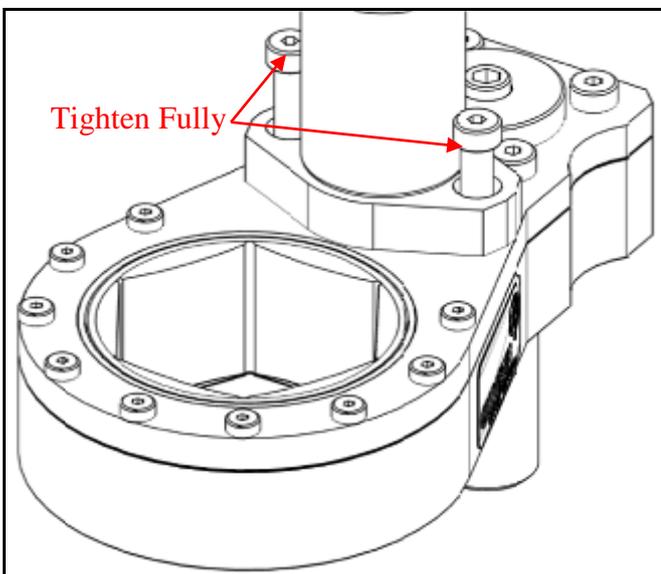
ASSEMBLY



(1) Push "Tool Adaptor" over
CRAD Wrench Reaction Spline

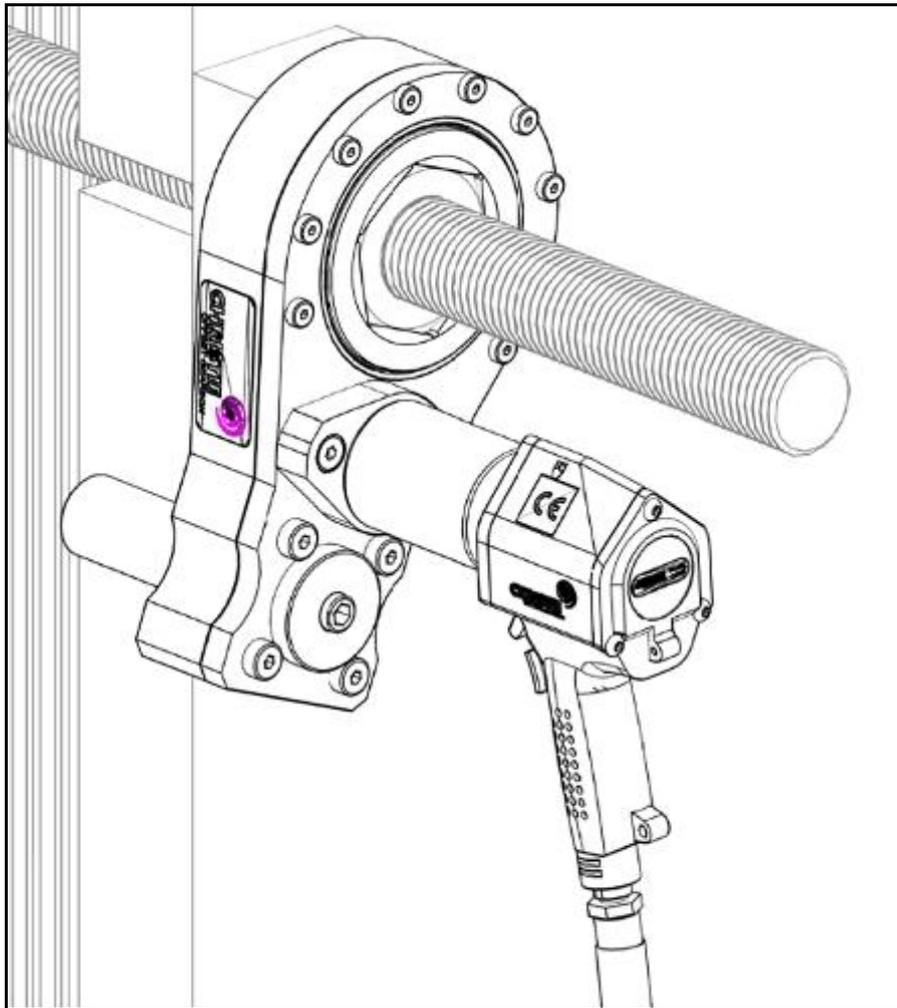


(2) Fit Spirolox Clip



(3) Align Offset Gearbox Input Square with CRAD Wrench square and secure tool adaptor in place with fasteners supplied. To ensure the gearbox adaptor is aligned correctly it may be necessary to rotate the output gear.

OPERATION



- (1) Position the Offset Gearbox and CRAD Wrench assembly onto the application
- (2) Operate CRAD Wrench as per separate instructions. Please Note to tighten using the gearbox set the wrench to “Reverse” direction, To un-tighten set to “Forward”

WARNING:-

Always Keep Hands Clear of the Reaction zone when the equipment is in use, or serious injury may result.

Do not exceed 2,470Nm output torque (With CRAD10L)

Do not exceed 2,600Nm output torque (With CRAD10X)



E.C. DECLARATION OF CONFORMITY

MODELS COVERED: COG-VT

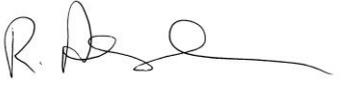
DESCRIPTION: Christie Offset Gearbox

We hereby declare that the following machinery complies with the essential health and safety requirements of the European Machinery Directive 2006/42/EC published on the 9th June 2006

W Christie (Industrial) Ltd, Meadowbank Road, Rotherham S61 2NF, United Kingdom.

This machinery has been designed and manufactured in accordance with the following transposed harmonised European Standard:-

BS EN ISO 12100-2:2003 Safety of Machinery – Technical Principles

SIGNED: 

NAME: R. G. Askham

POSITION: Senior Applications Engineer

On behalf of W Christie (Industrial) Ltd



Site Assessment



Tool Maintenance & Calibration



Bespoke Engineering



Sockets & Ancillaries



Training



Hand Held Torque Tools



Offset Gearboxes



Hydraulic Torque Tools



In-house CNC Facilities



Storage Trolleys & Boxes

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