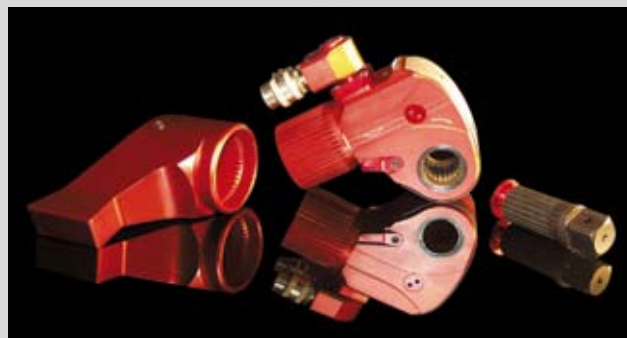


# Hydraulic Christie Wrench

**Quality you can afford**

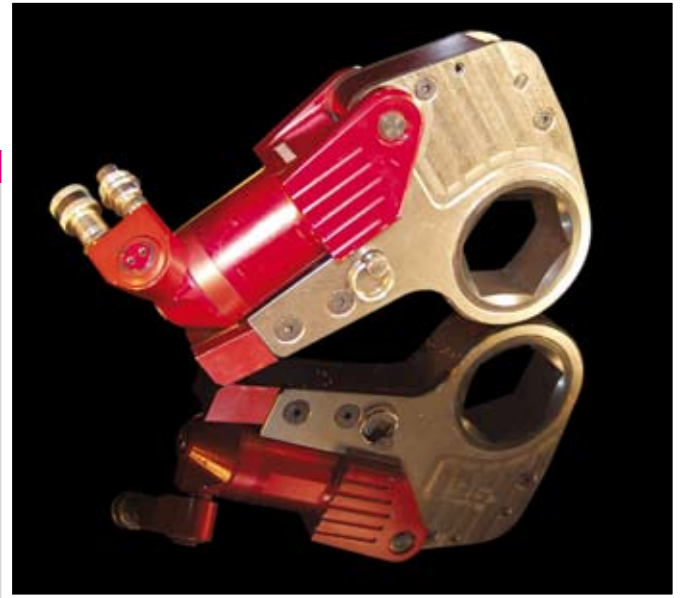


**Savings you can't afford to miss**

## Christie Wrench – DFTW Range

By carefully focusing on the needs of our customers, W. Christie remain at the forefront of tooling technology.

Fully aware of the difficulties associated with flange bolting, the new Christie DFTW wrenches have an open hexagon designed to fit directly onto the nut or bolt head. This tooling is ideal for use on applications with limited overhead access or with fasteners having excessive thread protrusion.



### Reduce costs – alter the hexagon size of a single head and use on various bolting applications.

Reducing sleeves allow for a change of sleeve, instead of a change of head, thus saving money by making each hexagon head versatile for a range of smaller fasteners.

(Note: The wall thickness of the hexagon head will increase the smaller the sleeve size).

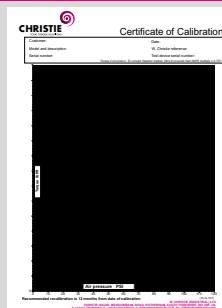
## Uni-swivel Coupler

Typically, hydraulic torque wrenches are used to tighten and un-tighten nuts and bolts in cramped and confined locations, and of course the hoses always seem to get in the way. In many cases, additional hazards are created as operators overstrain hoses or damage couplings in an attempt to make tooling fit. Christie's uni-swivel coupler (fitted as standard to all WHTW and DFTW models) can be rotated by hand through a full 360 degrees allowing hoses to be conveniently directed away from dangerous and awkward obstructions. Don't compromise on safety – Always insist on W. Christie.



### Double swivel movement ensures versatility and operator comfort are not compromised.

360 degree swivel action on both X and Y axis ensures that the hoses are positioned where you want them – out of the way!



## Hydraulic Torque Wrench Accuracy

Many manufacturers of hydraulic torque wrenches offer generic torque tables or pressure gauge overlays to support their products. Some actually offer these as promotional features, however, no matter how well they are produced, the fact remains that no two hydraulic torque wrenches are the same. Torque output varies, even between seemingly identical models, that is why at W. Christie all hydraulic products are individually calibrated, with all traceability to UK National Standards.

Don't compromise on tooling accuracy.



### Cut out timely head change overs with this single pin design.

Reduce downtime when changing one hexagon head size for another. A single pin releases the head, so no additional tools are required for a retrofit.



### High safety factor, 4 metre hydraulic hoses are supplied with all power packs.

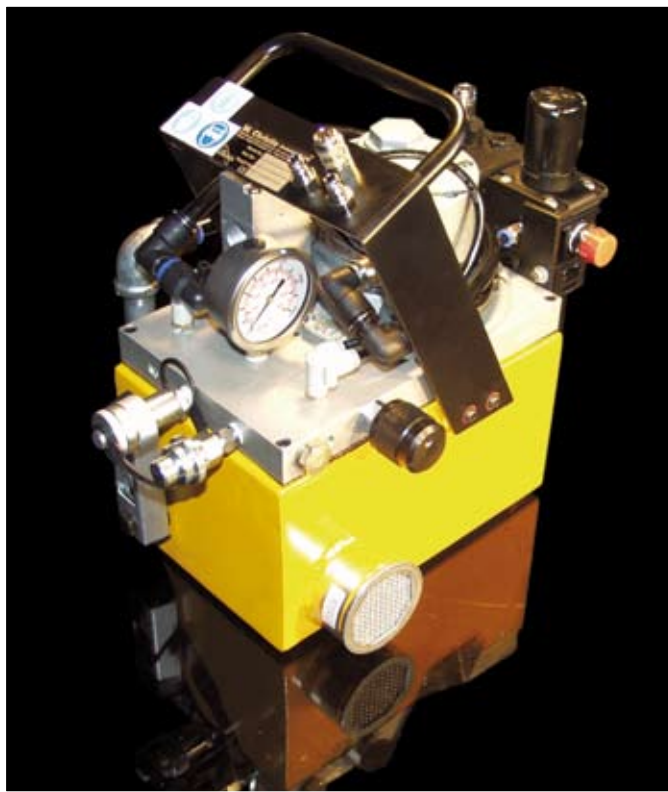
Christie hoses benefit from a safety ratio of 4:1 made possible because of their seamless core construction and high tensile reinforcements.

Spring guards are fitted to the hose ends to prevent failure where hose meets coupling.

## Christie Air and Electric Power Packs

This range of portable hydraulic power packs are the toughest on the market, combining effortless power with supreme performance.

Available in air or electric models these units have a powerful 690 bar (10,000 psi) operating pressure, whilst remaining light and portable.



## Noise reduction

The Control of Noise at Work Regulations 2005 came into force, for industry sectors in Great Britain, on 6th April 2006. Under these regulations the level at which employers MUST provide hearing protection and hearing protection zones is 85 decibels (daily or weekly exposure).

Both the Micron and Xtra series air power packs are fitted with 'quiet air' silencer chambers reducing noise outputs and removing the need for hearing protection.

## No more stopping to deal with hot or cold climate zones

Noise reduction is only one advantage with Christie pumps; the air silencer is routed through the oil tank and is designed to act as a highly efficient temperature regulator. Exhaust air cools the hydraulic oil, ideal for hot climates, whilst the opposite occurs in severe cold when warm oil around the chamber prevents silencers from freezing.

This innovation guarantees that Christie pumps can be used for longer periods in the harshest conditions.

## Features

- The 'two stage pump' system ensures quick location and pressure build up, with automatic change to low pressure for final tightening.
- Oil level assessment made easy with the sight level gauge fitted as standard to the oil tank.
- Set torque accurately with the variable pressure control – don't overload the tool.
- With the operator in mind the 80mm diameter pressure gauge is positioned to be seen easily.
- Double acting operation is a must for use with hydraulic torque wrenches.



### Hand operated pendant line that will not get in the way during operation.

Each standard air power pack is supplied with a hand held pendant control with coiled, triplex hose that stretches and retracts with the operator. The double button control eliminates the timely pressure build up techniques adopted by single button alternatives – speed up and stay safe.



### Christie power packs don't rust – they work on and on.

The lubrication unit releases 1 drop of oil every 10 seconds to keep the mechanisms in good working order, whilst the water separator stops unwanted moisture from penetrating the unit. Avoid unnecessary downtime and costly repair bills.





**Save time when altering your reaction angle – a single release button mechanism guarantees speed - whilst a 360 degree splined body allows flexible orientation.**

A simple lever mechanism un-locks and re-locks the reaction, and a push button release on the square drive ensures swift change over from bolt tightening to bolt loosening.

## Buy or Hire?

FACT – companies needs differ. Capital expenditure is not always the best option; hiring equipment frees your capital for other potentially more profitable uses.

## Christie Wrench – WHTW Range

Using a mono body design and the latest light weight alloy materials the WHTW series hydraulic torque wrench offers superb performance at a fraction of the weight. The WHTW tools are equipped with detachable square drives to be used with impact sockets and ancillaries.

## Good reasons to hire equipment

### Minimise stockholding

Ownership can be expensive when equipment is idle – profit is using the tools not just owning them.

### Equipment obsolescence

Equipment is changed and updated, make sure you are using the latest and fastest machines by hiring.

### Tax allowances

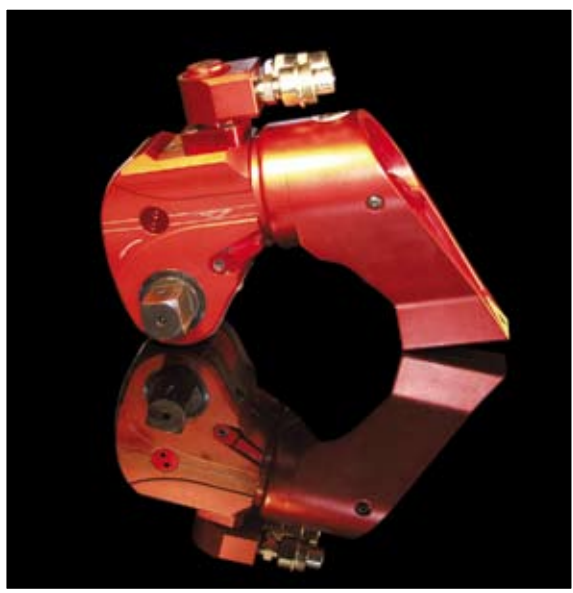
Hire is 100% allowable immediately, no complicated depreciation sums to work out, no arguments with the revenue.

### Right equipment for the job

Eliminate the costs of using the wrong size or type of equipment and don't restrict yourself to one type of tool when you can hire and choose the best model for the job.

### Cost Control

Knowing the true cost of owning equipment is difficult; job costing is easier with hire.



## Owning your equipment is sometimes the only option.

Whilst the hire option is ideal for one off jobs, break downs, strip downs and maintenance closures, these tools are robust enough to use on your regular bolting applications – then there is no comparison to the convenience of you owning the tooling.

## Maintenance and Calibration

This equipment rarely breaks down, but a regular service schedule reduces the risk further. You don't need a workshop, no spares to stock or order, no fitters to pay, no health and safety records to keep and no unexpected repair bills - just use Christies. Its experience and resources will have you up and running with no loss of time or production – we work around you.

### Flexible hose movement can save time and avoid user frustration.



Difficult access problems are overcome with 360 degree uni-swivel connections that assist hose orientation, in the most awkward of applications, and aids operator comfort. Designated male and female ported couplings ensure correct connection.

### Quick release button design on square drive.

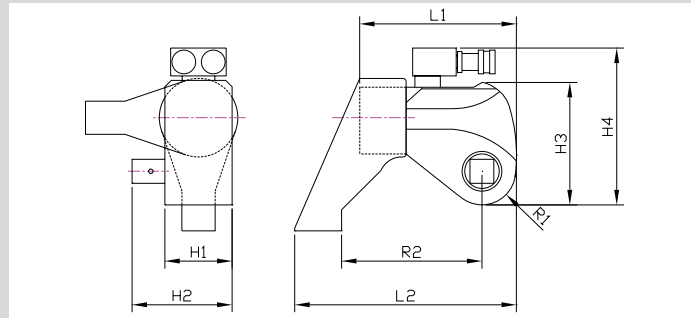


### Minimise tooling width and reduce the risk of side loading with a range of direct fit sockets and adaptors.

For those reduced head room requirements, or applications where safe tightening, and removal of socket head cap screws is key, the WHTW range has the facility to remove the square and replace with direct fit outputs.



# Technical Specifications



Model	Dimensions (mm)								Weight kg	Torque Range (Nm)		Square Drive
	L1	L2	H1	H2	H3	H4	R1	R2		Min	Max	
1WHTW	130	182	50	72	99	144	26	99	2	194	1,939	3/4"
3WHTW	166	241	68	95	130	176	34	134	4	460	4,605	1"
5WHTW	198	281	80	123	155	198	39	152	7	768	7,682	1 1/2"
8WHTW	213	308	90	130	171	216	47	171	9.1	1,100	11,001	1 1/2"
10WHTW	231	336	100	141	187	230	51	174	13.1	1,583	15,834	1 1/2"
20WHTW	295	443	120	182	228	268	59	250	25	2,721	27,208	2 1/2"
25WHTW	314	464	137	200	255	295	67	251	31	3,542	34,446	2 1/2"
35WHTW	355	489	153	217	290	330	79	271	45	7,320	50,283	2 1/2"

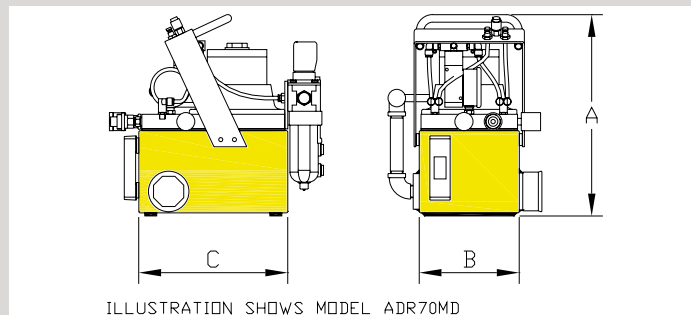


ILLUSTRATION SHOWS MODEL ADR70MD

Model	Dimensions (mm)			Tank Capacity litres	Maximum Pressure bar	Maximum Pressure psi	Weight kg	Flow Stage 1 l/min	Flow Stage 2 l/min	Hydraulic Port Size NPT	Air Capacity cfm
	A	B	C								
ADR70MD-LPR	355	170	250	4.5	690	10,000	19	7	0.9	1/4"	45 - 65
ADR70XD-LPR	440	205	305	7	690	10,000	36	12	1.7	1/4"	80 - 125

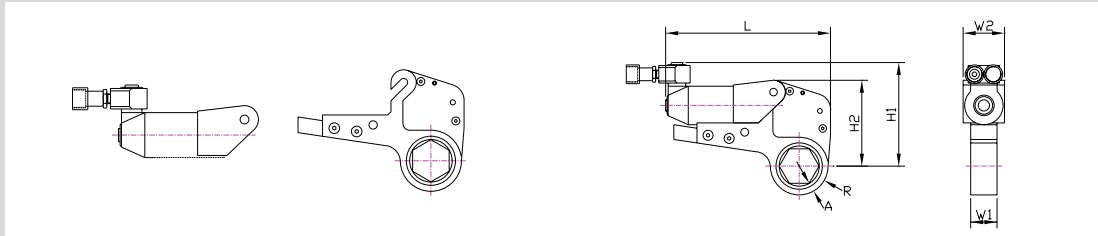
Model	Dimensions (mm)			Tank Capacity litres	Maximum Pressure bar	Maximum Pressure psi	Weight kg	Flow Stage 1 l/min	Flow Stage 2 l/min	Hydraulic Port Size NPT	Voltages Available
	A	B	C								
EDR70M-LPR	435	170	250	5	690	10,000	27	6	0.8	1/4"	110v/240v/415v
EDR70X-LPR	540	205	305	7	690	10,000	39	10	1	1/4"	110v/240v/415v

• No statement or data within this literature is warranted or guaranteed to be accurate



**CHRISTIE**  
TOTAL TORQUE SOLUTIONS

# Technical Specifications



Drive Unit			Interchangeable cassette heads (metric)					Drive Unit and Cassette Assembled				
Model	Weight (kg)	Torque (Nm)	Hex Size (mm)	Radius 'R' (mm)	Wall 'A' (mm)	Weight (kg)	Model Number	Drive Unit and Cassette Dimensions (mm)				
								L	H1	H2	W1	W2
2DFTW	0.9	180 - 1,866	19	27	16	Av.1.5	CW219	196	126	102	32	51
			22	27	14		CW222					
			27	27	11		CW227					
			30	29	12		CW230					
			32	29	11		CW232					
			34	31	11		CW234					
			36	31	10		CW236					
			41	34	10		CW241					
			46	37	10		CW246					
			50	40	11		CW250					
			55	43	11		CW255					
			60	46	11		CW260					
			34	36	16		CW434					
4DFTW	1.7	440 - 5,323	36	36	15	Av.3.4	CW436	258	163	136	42	66
			41	39	15		CW441					
			46	42	15		CW446					
			50	44	15		CW450					
			55	46	14		CW455					
			60	50	15		CW460					
			65	53	15		CW465					
			70	56	15		CW470					
			75	59	15		CW475					
			80	61	15		CW480					
			41	50	26		CW841					
			46	50	23		CW846					
			50	50	21		CW850					
55	50	18	CW855									
60	55	20	CW860									
65	55	17	CW865									
70	60	20	CW870									
75	60	17	CW875									
80	66	19	CW880									
85	66	16	CW885									
90	71	19	CW890									
95	71	16	CW895									
100	78	20	CW8100									
105	78	17	CW8105									
8DFTW	3	892 - 10,168	50	66	37	Av.6.3	CW1450	360	225	204	64	99
			55	66	34		CW1455					
			60	66	31		CW1460					
			65	66	28		CW1465					
			70	66	25		CW1470					
			75	66	22		CW1475					
			80	66	19		CW1480					
			85	72	22		CW1485					
			90	72	20		CW1490					
			95	77	22		CW1495					
			100	77	19		CW14100					
			105	83	22		CW14105					
			110	83	19		CW14110					
115	87	20	CW14115									
14DFTW	4.6	1,558 - 17,639	95	89	34	Av.11.4	CW3095	430	303	272	85	131
			100	89	31		CW30100					
			105	89	38		CW30105					
			110	89	25		CW30110					
			115	95	28		CW30115					
			120	95	25		CW30120					
			125	104	32		CW30125					
			130	104	29		CW30130					
			135	104	26		CW30135					
			140	110	29		CW30140					
			145	110	26		CW30145					
			150	116	29		CW30150					
			155	116	26		CW30155					
160	128	36	CW30160									
165	128	33	CW30165									
170	128	30	CW30170									
175	128	27	CW30175									
30DFTW	10.4	3,528 - 41,882	155	116	26	Av.20.5	CW30165	441	315	285	85	131
			160	128	36		CW30170					
			165	128	33		CW30175					

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