

SQUARE DRIVE HYDRAULIC TORQUE WRENCHES



BOLTING SOLUTIONS

REVERSIBLE SQUARE DRIVE

for tightening and loosening applications

360° X 180° SWIVEL

with screw couplings

ADJUSTABLE CARRY HANDLE

for enhanced safety and efficiency



All wrenches supplied with a calibration certificate of accuracy, traceable to international standards. Refer to Calibration & Certification section at the rear of the catalogue.

THE **TW-SERIES** SQUARE DRIVE HYDRAULIC TORQUE WRENCHES ARE COMPACT, EASY TO USE AND VERSATILE.

The titanium-aluminium alloy and super high strength steel alloy construction means increased strength and durability while minimising weight. TW-Series torque wrenches are available in 3/4" to 2 1/2" square drive models, with a torque range from 112 to 72,000 Newton Metres (82 to 53,280 ft/lbs). All models are fitted with a 360° x 180° swivel coupler and screw couplings.

TITANIUM ALUMINIUM ALLOY

and super high strength steel construction

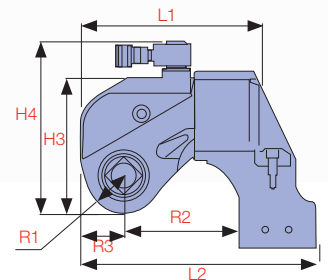
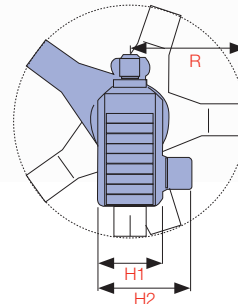
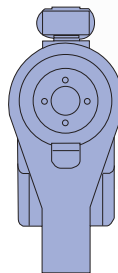
ACCURACY

within + / - 3%



EXTENDED REACTION ARM

available as an optional extra



Model No.	Square Drive	Range of Torque (Nm) @ 700 bar	Range of Torque (lbf.ft) @ 700 bar	Bolt Size Range (mm)	L1	L2	H1	H2	H3	H4	R	R1	R2	R3	Weight (kg)
TW07	3/4"	112-1,120	82-829	14-30	111	140	42	66	76	109	75.0	20.5	68.3	25.0	1.8
TW1	3/4"	183-1,837	135-1,359	16-36	145	174	50	72	96	131	91.5	26.0	85.0	33.5	2.5
TW3	1"	451-4,512	334-3,346	22-48	178	230	68	95	127	176	123.5	34.0	114.0	40.0	5.0
TW5	1-1/2"	752-7,528	557-5,571	27-56	211	271	80	123	149	199	140.0	39.0	137.0	46.5	8.0
TW8	1-1/2"	1,078-10,780	797-9,977	30-64	222	293	90	134	167	217	165.0	47.0	153.0	52.0	11.0
TW10	1-1/2"	1,551-15,516	1,148-11,482	36-72	246	318	100	142	182	232	178.0	51.0	154.0	58.5	15.0
TW15	2-1/2"	2,063-20,627	1,521-15,213	39-80	285	395	110	178	200	246	196.0	55.0	222.0	65.0	21.0
TW20	2-1/2"	2,666-26,664	1,973-19,731	42-90	308	384	120	183	220	270	213.0	59.0	186.0	71.0	26.5
TW25	2-1/2"	3,472-34,725	2,569-25,697	48-100	323	401	137	200	247	297	228.0	66.0	199.0	72.5	35.0
TW35	2-1/2"	4,866-48,666	3,601-36,013	64-120	373	466	153	216	282	332	243.5	77.0	241.0	89.5	50.0
TW50	2-1/2"	7,200-72,000	5,328-53,280	72-125	400	516	160	223	291	341	258.0	81.0	259.0	97.5	87.0

OIL COOLER

electric fan operated for continuous duty operation

ROLL CAGE

for portability and protection

DET-1114

THE **DET & DAT-SERIES** TORQUE WRENCH POWER UNITS ARE PERFECTLY DESIGNED FOR OPERATING THE TW AND LPC –SERIES HYDRAULIC TORQUE WRENCHES.

They have a three stage pump for faster operation under load and incorporate a hydraulic oil cooler providing cool operation under continuous use. A 6 metre remote hand pendant is standard and one or two tools can be operated at one time due to the multi outlet pump block.

ELECTRIC MOTOR

1.5 kW/230 Volt 50Hz induction motor 9.2 amp

LIQUID FILLED PRESSURE GAUGE

has 1% accuracy and can be recalibrated. Scale is mpa/psi

ADJUSTABLE TORQUE CONTROL

for accurate torque settings

MULTIPLE TOOL OUTLETS

for operating one or two tools simultaneously

3 STAGE POWER UNIT

for increased speed under load

6M REMOTE PENDANT

through a 24 Volt transformer for safety. Incorporates motor ON/OFF button and ADV/AUTO RETRACT button



Model No.	Pressure Rating (bar)	Motor	Flow (Lpm)			Oil Capacity (L)	Dimension (mm)	Dry Weight (kg)
			1st Stage 0-100 bar	2nd Stage 100-250 bar	3rd Stage 250-700 bar			
DET-1114	700	230 Volt / 50Hz	8.5	2.2	1.1	5.5	340 W x 530 L x 500 H	28.0
DAT-1114	700	2.7 kW Air	7.0	1.6	0.8	7.0		31.5

LIQUID FILLED PRESSURE GAUGE

has 1% accuracy and can be recalibrated. Scale is mpa/psi

AIR MOTOR

2.7kW Ingersoll Rand®

ADJUSTABLE TORQUE CONTROL

for accurate torque settings

MULTIPLE TOOL OUTLETS

for operating one or two tools simultaneously

ROLL CAGE

for portability and protection

AIR FILTER/ LUBRICATOR

for efficient operation

3 STAGE PUMP

for increased speed under load

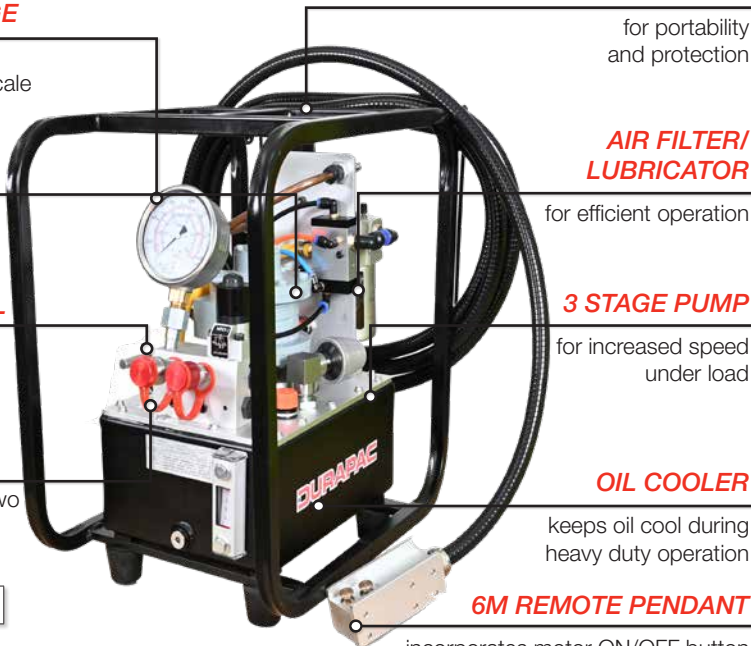
OIL COOLER

keeps oil cool during heavy duty operation

6M REMOTE PENDANT

incorporates motor ON/OFF button and ADV/AUTO RETRACT button

DAT-1114



POWER REQUIREMENT
Electric 230 Volt 50 Hz
Air 1,400 Lpm @ 6.2 bar

FLOW
3 stage

MAXIMUM OPERATING PRESSURE
700 bar

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BOLTING SOLUTIONS

Torque Wrench Hoses

Model No.	Length (m)	Description
TWH-04	4	Twin hose set to suit torque wrenches complete with male and female screw couplers at both ends. 700 bar working pressure. 2,800 bar min. burst.
TWH-06	6	
TWH-10	10	
TWH-15	15	



Did you know...

The **DET & DAT** hydraulic torque wrench power units are supplied with an oil cooler to allow continuous operation of hydraulic torque wrenches.



Torque Wrench Couplings

Model No.	Thread	Description	Suits Tool Model No.
CH-2	1/8"-NPT Male	Male half screw coupling complete with metal dust cap*	TW07, TW1, LPC2
CR-2	1/8"-NPT Male	Female half screw coupling complete with metal dust cap*	TW07, TW1, LPC2
CS-2	1/8"-NPT Male	Coupling set with metal dust caps* includes CH-2 and CR-2	TW07, TW1, LPC2
CH-4	1/4"-NPT Female	Male half screw coupling complete with metal dust cap*	TW3 THROUGH TW50 LPC4 THROUGH LPC30
CR-4	1/4"-NPT Male	Female half screw coupling complete with metal dust cap*	TW3 THROUGH TW50 LPC4 THROUGH LPC30
CS-4		Coupling set with metal dust caps* includes CH-4 and CR-4	TW3 THROUGH TW50 LPC4 THROUGH LPC30

Snap couplings available. Consult Durapac for further information.

* Dust cap/s not shown

