DURAPAC

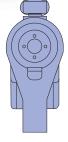
SOUARE DRIVE HYDRAULIC TOROUE WRENCHES

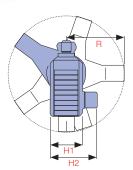


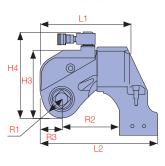


TW8

available as an optional extra







| Model No. | Square Drive | Range of Torque @ 700 bar (Nm) | Range of Torque @ 700 bar (ft/lb) | Bolt Size Range (mm) | L1 | L2 | H1 | H2 | НЗ | 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 - 7,977 | 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 |

DET & DAT | SERIES

DURAPAC

TOROUE WRENCH POWER UNITS



OIL COOLER

electric fan operated for continuous duty operation

ROLL CAGE

for portability and protection 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 M remote hand pendant is standard. Standard (-1114) models can operate one or two tools at one time due to the multi outlet pump block. The DET-1114-4 four outlet version allows 1 - 8 tools to be operated at one time.

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

DET-1114-4

for operating 1 - 4 tools simultaneously





6 M REMOTE PENDANT

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

DET-1114

| | | Pressure | | Flow (Lpm) | | Oil | Dry | Dimensions W x L x H (mm) | |
|------------|---------------------------------------|-----------------|------------------------|--------------------------|--------------------------|-----------------|----------------|---------------------------------|--|
| Model No. | Motor | Rating (bar) | 1st Stage 0-100 bar | 2nd Stage 100-250 bar | 3rd Stage 250-700 bar | Capacity (L) | Weight (kg) | | |
| DAT-1114 | 2.7 kW Air | 700 | 7.0 | 1.6 | 0.8 | 7.0 | 31.5 | | |
| DET-1114 | 230 Volt / 1 Ph. / 50 Hz [†] | 700 | 8.5 | 2.2 | 1.1 | 5.5 | 28.0 | 340 x 530 x 500 | |
| DET-1114-4 | 230 Volt / 1 Ph. / 50 Hz [†] | 700 | 8.5 | 2.2 | 1.1 | 5.5 | 28.0 | | |

[†] Standard motor supplied is 230V, 50 Hz, should 115V, 60 Hz be required; add "-115V" to the end of the model number, eg. "DET-1114-4-115V"

DET & DAT | SERIES

ROLL CAGE

TOROUE WRENCH POWER UNITS



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

AIR MOTOR

2.7 kW Ingersoll Rand®

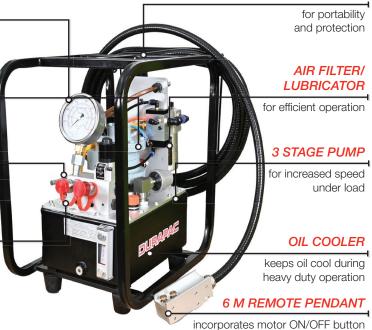
ADJUSTABLE TORQUE CONTROL

for accurate torque settings

MULTIPLE TOOL OUTLETS

for operating one or two tools simultaneously

DAT-1114





POWER REQUIREMENT

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

FLOW

3 stage

MAXIMUM OPERATING PRESSURE

700 bar

Torque Wrench Hoses

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



and ADV/AUTO RETRACT button

Hose burst sleeve available. Consult Durapac for further information

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 | | | |

CH-2







Snap couplings available. Consult Durapac for further information

^{*} Dust cap/s not shown

CALIBRATION

DURAPAC

TOROUE WRENCH CALIBRATION



TORQUE CALIBRATION SYSTEM

HYDRAULIC TORQUE WRENCH TOOLS ARE A WIDELY ACCEPTED AND USED DEVICE FOR TIGHTENING AND LOOSENING MEDIUM TO LARGE BOLTS WITH UP TO 72,000 NM OF TORQUE.

The range of applications is very diverse and hydraulic torque wrench tools can be seen in operation in almost every part of industry. Many of these applications are of a critical nature and demand a tool that is not only accurate and reliable, but also certified to be accurate. To ensure all Durapac TW and LPC-Series torque wrenches meet our clients' high expectations, each tool is supplied with a calibration certificate of accuracy that is traceable to international standards. Each test is performed on a calibration rig that has an accuracy of 0.1% and the tool serial number is cross referenced to the test certificate.





CALIBRATION

CERTIFICATE OF ACCURACY

CERTIFICATE OF ACCURACY

BELOW IS A SAMPLE CERTIFICATE THAT IS TRACEABLE TO INTERNATIONAL STANDARDS. ALL TW & LPC HYDRAULIC TORQUE WRENCHES ARE SUPPLIED WITH A CERTIFICATE OF ACCURACY.

