

## SQUARE DRIVE HYDRAULIC TORQUE WRENCHES

T

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

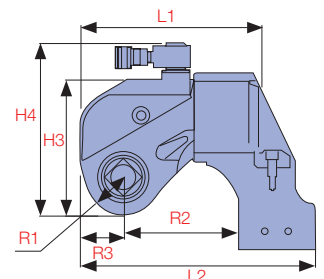
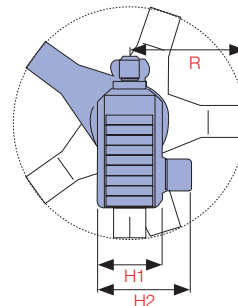
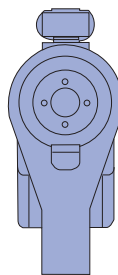
### ACCURACY

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                   | 797-7,977                          | 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        |

**OIL COOLER**

electric fan operated for continuous duty operation

**ROLL CAGE**

for portability and protection

**ADJUSTABLE TORQUE CONTROL**

for accurate torque settings

**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

**MULTIPLE TOOL OUTLETS**

for operating one or two tools simultaneously

**3 STAGE POWER UNIT**

for increased speed under load

DET-1114

**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            |