



## Professional Torque Wrench Models 650 - 1500

- Accuracy of  $\pm 3\%$  of reading.
- Traceable calibration certificate supplied.
- Non length dependent. Extension handle can be used to reduce operator effort (handle supplied as standard with Model 800, 1000 and 1500).
- Positive 'click' can be heard, seen and felt.
- Low weight - Model 1000 just 5.8kg.
- Long scale length in N.m and lbf.ft allows error free setting.
- Fine 60 tooth ratchet allows the wrench to be used in confined areas.
- Supplied in carry case for storage and protection.



Extension Handle Part No. 14142 - supplied as standard with Models 800 to 1500

### Ratchet Adjustables

Model	Square Drive	Part No.	Range		Ratchet Diameter	Engagements per revolution	Length	Length inc ext handle	Weight*
	in		N.m	lbf.ft	mm		mm	mm	Kg
650	$\frac{3}{4}$	14037	130 – 650	100 – 480	61	60	886	-	4.0
800	$\frac{3}{4}$	14015	200 – 800	150 – 600	75	60	1035	1535	5.2
800	1	14016	200 – 800	150 – 600	75	60	1035	1535	5.2
1000	$\frac{3}{4}$	14002	300 – 1000	220 – 750	75	60	1250	1750	5.8
1000	1	14003	300 – 1000	220 – 750	75	60	1250	1750	5.8
1500	$\frac{3}{4}$	14004	500 – 1500	370 – 1100	75	60	1570	2070	6.7
1500	1	14005	500 – 1500	370 – 1100	75	60	1570	2070	6.7

\*Weight excluding extension handle. Extension handle, length 700 mm, weight 1.6 kg



## Adjustable Torque Handles

Model	End Fitting	Part No.	Range		Length mm	Weight Kg
			N.m	lbf.ft		
650 TH	14x18mm Female	14041	130 – 650	100 – 480	831	3.6
650 TH	22mm Male	14040	130 – 650	100 – 480	821	3.6

### Available Fittings

See page 29



## Torque Handles Production 'P' Type

Model	End Fitting	Part No.	Range		Length mm	Weight Kg
			N.m	lbf.ft		
650THP	14x18mm Female	14043	130 – 650	100 – 480	831	3.6
650THP	22mm Male	14042	130 – 650	100 – 480	821	3.6



End Cap Kit and Locking Tool  
Part No. 14166

## Ratchet Torque Wrench Production 'P' Type

Model	Square Drive	Part No.	Range		Ratchet Diameter	Engagements per revolution	Length	Length inc ext handle	Weight*
	in		N.m	lbf.ft	mm		mm	mm	
650 'P'	3/8	14039	130 – 650	100 – 480	61	60	886	-	4.0
800 'P'	3/8	14017	200 – 800	150 – 600	75	60	1035	1535	5.2
800 'P'	1	14018	200 – 800	150 – 600	75	60	1035	1535	5.2
1000 'P'	3/8	14007	300 – 1000	220 – 750	75	60	1250	1750	5.8
1000 'P'	1	14008	300 – 1000	220 – 750	75	60	1250	1750	5.8
1500 'P'	3/8	14009	500 – 1500	370 – 1100	75	60	1570	2070	6.7
1500 'P'	1	14010	500 – 1500	370 – 1100	75	60	1570	2070	6.7

\*Weight excluding extension handle. Extension handle, length 700 mm, weight 1.6 kg