

## Industrial Torque Wrench Adjustable Models

- Robust construction gives accurate results, to  $\pm 4\%$ , even in arduous working conditions.
- Every wrench supplied with a calibration certificate to satisfy requirements of ISO 9000:2000.
- The large break angle improves accuracy by reducing the possibility of over torquing.
- Cam control of the mechanism gives a controlled break which will not throw the operator off balance.
- Dual scaled, N.m and lbf.ft.
- Supplied in a carry case for storage and protection.
- If storage space is limited, for example in vehicle tool kits, models 4R to 5R can be supplied in two piece form where the longer of the pieces is 900mm (see page 27).
- For 2000 N.m, see 6R Split Industrial on page 27



Carry case standard (except 4 TH and 4 THP)



Adjusting Scale



### Ratchet Adjustables

Model	Part No.		Range		Ratchet Diameter mm	Engagements per revolution	Length † mm	Weight Kg
	3/4"	1"	N.m	lbf.ft				
3AR	12001	12001.01	100 – 500	70 – 350	70	36	910	5.2
4R	12006	12006.01	150 – 700	100 – 500	70	36	1150	6.3
4AR	12007	12007.01	200 – 800	150 – 600	70	36	1250	6.4
5R	12009	12009.01	300 – 1000	200 – 750	70	36	1475	7.3
5AR	12012	12012.01	700 – 1500	500 – 1000	70	36	1475	10.4

† Length with adjusting nut set to minimum torque.

## Industrial Torque Wrench Torque Handles, Production 'P' Type and Split Models

- Robust construction gives accurate results, to  $\pm 4\%$ , even in arduous working conditions.
- Every adjustable wrench supplied with a calibration certificate to satisfy requirements of ISO 9000:2000.
- The break angle improves accuracy by reducing the possibility of over torquing.
- All models listed are also available as Production 'P' types with no setting scale. These must be set against a torque testing device such as Norbar's Professional Torque Tester. See page 68.
- 'P' Type Wrenches can be set by the factory or distributor on request. Part code SQ2222.
- Supplied in a carry case for storage and protection (except 4TH and 4THP).



Split Industrial in Box.



### Adjustable and Production 'P' Type Torque Handles

Model	End Fitting	Part No.	Range		Length †	Weight
			N.m	lbf.ft		
4 TH	22mm Spigot	12003	130 – 550	100 – 400	935	4.6
4 THP	22mm Spigot	12017	130 – 550	100 – 400	835	4.6

† Length with adjusting nut set to minimum torque.

#### Available Fittings

See page 29



### Ratchet Torque Wrench Split Adjustables

Model	Part No.		Range		Ratchet Diameter	Engagements per revolution	Length †	Weight
	3/4"	1"	N.m	lbf.ft				
4R	12102	12102.01	150 – 700	100 – 500	70	36	1150	6.3
5R	12101	12101.01	300 – 1000	200 – 750	70	36	1475	7.3
6R	-	12100	900 – 2000	600 – 1500	70	36	1920	13

† Length with adjusting nut set to minimum torque.



'P' Type - Sealed Adjustment