



### Adjustable - 16mm Spigot

Model	Part No.	Range		Length mm	Weight Kg
		N.m	lbf.ft		
60 TH	13018	8 – 60	5 – 45	301	0.55
100 TH	13019	20 – 100	15 – 80	340	0.6
200 TH	13020	40 – 200	30 – 150	423	0.78
300 TH	13021	60 – 300	45 – 220	548	1.13



### Female Ended Adjustable - 9 x 12mm and 14 x 18mm

Model	Part No.		Range		Length mm	Weight Kg
	9x12	14x18	N.m	lbf.ft		
60 TH	13022	-	8 – 60	5 – 45	300	0.55
100 TH	13023	-	20 – 100	15 – 80	340	0.6
200 TH	13024	13025	40 – 200	30 – 150	421/431	0.78
300 TH	-	13026	60 – 300	45 – 220	546.5	1.13
400 TH	-	13028	80 – 400	60 – 300	658	1.78

## Professional Torque Wrench Torque Handles

Norbar Torque Handles are based on the 'Professional' wrench range and share the same high precision engineering.

Two end fitting styles are catered for: 16mm diameter spigot type and the 9 x 12mm and 14 x 18mm rectangular type.

For many applications a spanner end fitting rather than a socket is the best or, often, the only solution. Typically this will be because the joint is a pipe union (such as a brake pipe).

### Production 'P' Type - 16mm Spigot

Model	Part No.	Range		Length mm	Weight Kg
		N.m	lbf.ft		
60 THP	11167	8 – 60	5 – 45	280	0.55
100 THP	11143	20 – 100	15 – 80	320	0.6
200 THP	11144	40 – 200	30 – 150	402	0.78
300 THP	11117	60 – 300	45 – 220	640	1.13

### Female Ended Production 'P' Type - 9 x 12mm & 14 x 18mm

Model	Part No.		Range		Length mm	Weight Kg
	9x12	14x18	N.m	lbf.ft		
60 THP	11170	-	8 – 60	5 – 45	280	0.55
100 THP	11150	-	20 – 100	15 – 80	319	0.6
200 THP	11151	11152	40 – 200	30 – 150	400/410	0.78
300 THP	-	11153	60 – 300	45 – 220	528	1.13
400 THP	-	13068	80 – 400	60 – 300	640	1.75

Available Fittings

See pages 28 & 29





End Cap Kit and Locking Tool  
Part No. 11698



'P' Type wrenches have no scale. They must be set against a torque testing device such as Norbar's Professional Torque Tester (see page 68).



## Professional Torque Wrench Production 'P' Types

'P' Type wrenches are designed for the production environment where they will be set and then dedicated to a particular application. There is no scale, the wrench must be set against a torque testing device such as Norbar's Professional Torque Tester (see page 68).

'P' Type wrenches are available with two ratchet types – 'Industrial' and 'Automotive' (see explanation on pages 18 and 19) and as 'Torque Handles' for interchangeable end fittings.

### Ratchet Torque Wrench Production 'P' Type - Automotive Ratchet

Model	Square Drive	Part No.	Range		Ratchet Diameter	Engagements per revolution	Length	Weight
	in		N.m	lbf.ft	mm		mm	Kg
60 'P'	$\frac{3}{8}$	11164	8 – 60	5 – 45	31	72	286	0.6
60 'P'	$\frac{1}{2}$	11171	8 – 60	5 – 45	31	72	286	0.6
100 'P'	$\frac{3}{8}$	11138	20 – 100	15 – 80	31	72	326	0.69
100 'P'	$\frac{1}{2}$	11139	20 – 100	15 – 80	31	72	326	0.69
200 'P'	$\frac{1}{2}$	11140	40 – 200	30 – 150	41	72	423	1.0

### Ratchet Torque Wrench Production 'P' Type - Industrial Ratchet

Model	Square Drive	Part No.	Range		Ratchet Diameter	Engagements per revolution	Length	Weight
	in		N.m	lbf.ft	mm		mm	Kg
60 'P'	$\frac{3}{8}$	13051	8 – 60	5 – 45	35	72	291	0.62
60 'P'	$\frac{1}{2}$	13052	8 – 60	5 – 45	40	72	299	0.69
100 'P'	$\frac{3}{8}$	13053	20 – 100	15 – 80	35	72	332	0.68
100 'P'	$\frac{1}{2}$	13054	20 – 100	15 – 80	40	72	338	0.74
200 'P'	$\frac{1}{2}$	13055	40 – 200	30 – 150	42	72	422	0.96
300 'P'	$\frac{1}{2}$	13057	60 – 300	45 – 220	49	60	663	1.45
400 'P'	$\frac{3}{4}$	13056	80 – 400	60 – 300	49	60	663	2.04