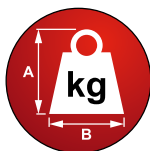




PROFESSIONAL TORQUE WRENCHES NLD SERIES

TORQUE HANDLE ADJUSTABLE - DUAL SCALE

14040	Pro 650, 22 mm spigot, 130 - 650 N·m, 100 - 480 lbf·ft
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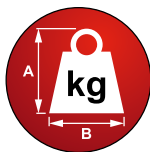


TORQUE HANDLE PRODUCTION 'P' TYPE

(Must be set using a Torque Tester)

14042	Pro 650, 22 mm spigot, 130 - 650 N·m, 100 - 480 lbf·ft
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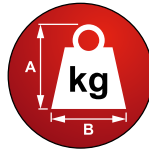
SQ2222	Pre-set, etch and certify (Allow 3 days delivery for this service)
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FEMALE TORQUE HANDLE ADJUSTABLE - DUAL SCALE

14041 Pro 650, 14 x 18 mm, 130 - 650 N·m,
100 - 480 lbf·ft

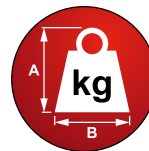


FEMALE TORQUE HANDLE PRODUCTION 'P' TYPE

(Must be set using a Torque Tester)

14043 Pro 650, 14 x 18 mm, 130 - 650 N·m,
100 - 480 lbf·ft

SQ2222 Pre-set, etch and certify
(Allow 3 days delivery for this service)



PRO 650 - 1500 ACCESSORY

14142 Extension Handle (included with Pro 800
- 1500 as standard)



INDUSTRIAL TORQUE WRENCHES - NEW GENERATION



A long-time customer favourite for their unmistakable signal and robustness but now simple to accurately set and split for ease of storage and transportation.



Key Features

TION

TORQUE WRENCHES





INDUSTRIAL TORQUE WRENCHES - NEW GENERATION



RATCHET ADJUSTABLE - DUAL SCALE

120101	3AR-N, $\frac{3}{4}$ ", 120 - 600 N·m, 100 - 450 lbf·ft
120101.01	3AR-N, 1", 120 - 600 N·m, 100 - 450 lbf·ft
120110	4AR-N, $\frac{3}{4}$ ", 200 - 800 N·m, 150 - 600 lbf·ft
120110.01	4AR-N, 1", 200 - 800 N·m, 150 - 600 lbf·ft
120115	5R-N, $\frac{3}{4}$ ", 300 - 1,000 N·m, 200 - 750 lbf·ft
120115.01	5R-N, 1", 300 - 1,000 N·m, 200 - 750 lbf·ft
120118	5AR-N, $\frac{3}{4}$ ", 700 - 1,500 N·m, 500 - 1,000 lbf·ft
120118.01	5AR-N, 1", 700 - 1,500 N·m, 500 - 1,000 lbf·ft
120120	6R-N, 1", 900 - 2,000 N·m, 700 - 1,500 lbf·ft

RATCHET ADJUSTABLE - N·m ONLY

120107	3AR-N, $\frac{3}{4}$ ", 120 - 600 N·m
120107.01	3AR-N, 1", 120 - 600 N·m
120114	4AR-N, $\frac{3}{4}$ ", 200 - 800 N·m
120114.01	4AR-N, 1", 200 - 800 N·m
120117	5R-N, $\frac{3}{4}$ ", 300 - 1,000 N·m
120117.01	5R-N, 1", 300 - 1,000 N·m
120119	5AR-N, $\frac{3}{4}$ ", 700 - 1,500 N·m
120119.01	5AR-N, 1", 700 - 1,500 N·m
120121	6R-N, 1", 900 - 2,000 N·m



TORQUE WRENCH DUAL SCALE

120102	3AR-N, 1", 120 - 600 N·m, 100 - 450 lbf·ft
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TORQUE WRENCH N·m ONLY

120108	3AR-N, 1", 120 - 600 N·m
--------	--------------------------

RATCHET ADJUSTABLE - N·m ONLY

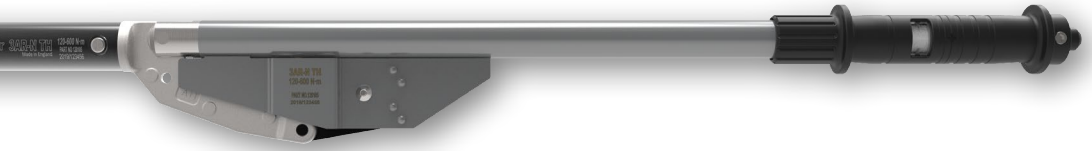
(Must be set using a Torque Wrench)

120104	3AR-N, 1", 120 - 600 N·m
120104.01	3AR-N, 1", 120 - 600 N·m
120111	4AR-N, 1", 200 - 800 N·m
120111.01	4AR-N, 1", 200 - 800 N·m
120116	5R-N, 1", 300 - 1,000 N·m
120116.01	5R-N, 1", 300 - 1,000 N·m
120130	5AR-N, 1", 700 - 1,500 N·m
120130.01	5AR-N, 1", 700 - 1,500 N·m

TORQUE WRENCHES



TION



HANDLE ADJUSTABLE - LE

AR-N, 22 mm Spigot, 120 - 600 N·m,
100 - 450 lbf·ft

HANDLE ADJUSTABLE - N·m ONLY

AR-N, 22 mm Spigot, 120 - 600 N·m



DUCTION 'P' TYPE

(Must be set using a Torque Tester)

AR-N, 3/4", 120 - 600 N·m, 100 - 450 lbf·ft

AR-N, 1", 120 - 600 N·m, 100 - 450 lbf·ft

AR-N, 3/4", 200 - 800 N·m, 150 - 600 lbf·ft

AR-N, 1", 200 - 800 N·m, 150 - 600 lbf·ft

AR-N, 3/4", 300 - 1,000 N·m, 200 - 750 lbf·ft

AR-N, 1", 300 - 1,000 N·m, 200 - 750 lbf·ft

AR-N, 3/4", 700 - 1,500 N·m, 500 - 1,000 lbf·ft

AR-N, 1", 700 - 1,500 N·m, 500 - 1,000 lbf·ft



TORQUE HANDLE PRODUCTION 'P' TYPE

(Must be set using a Torque Tester)

120105

3AR-N, 22 mm Spigot,
120 - 600 N·m, 100 - 450 lbf·ft



*5AR-N adjusting nut (left)
alongside the double-barrelled
6R-N adjusting nuts*

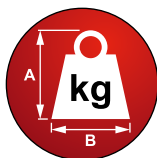


INDUSTRIAL TORQUE WRENCH - BI-SQUARE



BI-SQUARE - DUAL SCALE

12026 | $1\frac{11}{16}$ " Bi-Square,
300 - 1,000 N.m, 200 - 750 lbf.ft





The 1'1/16" Bi-square version of the Industrial Torque Wrench was developed specifically with rail track maintenance in mind. The critical need of the rail industry is to reduce the chance of any object being left on the track. Fitting directly onto rail fishplate bolts means that no socket or square drive is required, two components that could potentially be separated from the regular version of the Industrial Torque Wrench.

Other versions of this tool are available on request.





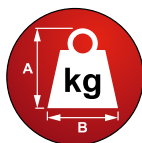
ELECTRODE WRENCHES



LOW RANGE

12506	8" (200 mm) 312 N·m
12530	10" (250 mm) 542 N·m
12531	12" (300 mm) 780 N·m

Other models available on request.



HIGH RANGE

12532	14" (350 mm) 1,140 N·m
12533	16" (400 mm) 1,300 N·m
12535	18" (450 mm) 1,500 N·m
12536	20" (500 mm) 2,000 N·m
12537	22" (550 mm) 2,370 N·m
12538	24" (600 mm) 2,370 N·m
12538.HD	24" (600 mm) 3,200 N·m



The correct tightening of carbon/graphite electrodes is known to increase the energy efficiency of electric arc furnaces and prevents electrode sections from being lost in the furnace.

Norbar Electrode wrenches are based on two well proven torque wrench designs; electrodes up to 8 inches use the 'Professional' type, 9 inches and upwards are based on the 'Industrial' wrench.



Key Features





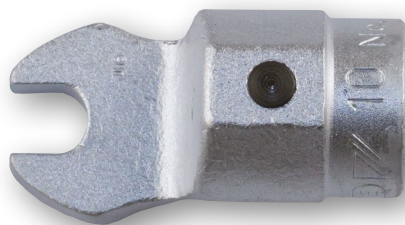
OPEN END FITTINGS FOR 16 mm TORQUE HANDLE

OPEN ENDS METRIC

29841	7 mm, 9 N·m*
29842	8 mm, 13 N·m*
29843	9 mm, 19 N·m*
29844	10 mm, 25 N·m*
29845	11 mm, 32 N·m*
29846	12 mm, 41 N·m*
29847	13 mm, 51 N·m*
29848	14 mm, 63 N·m*
29849	15 mm, 77 N·m*
29850	16 mm, 92 N·m*
29851	17 mm, 107 N·m*
29876	18 mm, 128 N·m*
29877	19 mm, 149 N·m*
29852	20 mm, 172 N·m*
29853	21 mm, 198 N·m*
29854	22 mm, 225 N·m*
29855	23 mm, 255 N·m*
29856	24 mm, 287 N·m*
29857	25 mm, 322 N·m*
29858	26 mm, 330 N·m*
29878	27 mm, 330 N·m*
29860	29 mm, 330 N·m*
29861	30 mm, 330 N·m*
29863	32 mm, 330 N·m*
297100	36 mm, 330 N·m*

OPEN ENDS IMPERIAL

29701	$\frac{1}{4}$ " , 7 N·m*
29702	$\frac{5}{16}$ " , 13 N·m*
29703	$\frac{3}{8}$ " , 21 N·m*
29704	$\frac{7}{16}$ " , 32 N·m*
29705	$\frac{1}{2}$ " , 48 N·m*
29706	$\frac{9}{16}$ " , 67 N·m*
29707	$\frac{5}{8}$ " , 90 N·m*
29708	$\frac{11}{16}$ " , 118 N·m*
29709	$\frac{3}{4}$ " , 150 N·m*
29710	$\frac{13}{16}$ " , 187 N·m*
29711	$\frac{7}{8}$ " , 230 N·m*
29712	$\frac{15}{16}$ " , 281 N·m*
29713	1" , 330 N·m*
29714	1 $\frac{1}{16}$ " , 330 N·m*
29715	1 $\frac{1}{8}$ " , 330 N·m*
29716	1 $\frac{3}{16}$ " , 330 N·m*
29717	1 $\frac{1}{4}$ " , 330 N·m*
29718	1 $\frac{5}{16}$ " , 330 N·m*



* Max torque values listed are proof torques quoted in BS 192:1982 & BS 3555:1990 (tested on hardened hexagon test stud).





RING END FITTINGS FOR 16 mm TORQUE HANDLE



RING E

29881

29882

29883

29884

29885

29886

29887

29888

29889

29890

29891

29913

29914

29892

29893

29894

29895

29896

29915

* Max t
(teste

S
NDS METRIC

7 mm, 25 N·m*
8 mm, 35 N·m*
9 mm, 45 N·m*
10 mm, 52 N·m*
11 mm, 73 N·m*
12 mm, 89 N·m*
13 mm, 107 N·m*
14 mm, 128 N·m*
15 mm, 150 N·m*
16 mm, 175 N·m*
17 mm, 201 N·m*
18 mm, 230 N·m*
19 mm, 261 N·m*
20 mm, 294 N·m*
21 mm, 330 N·m*
22 mm, 330 N·m*
23 mm, 330 N·m*
24 mm, 330 N·m*
27 mm, 330 N·m*

RING ENDS IMPERIAL

29726	$\frac{1}{4}"$, 25 N·m*
29727	$\frac{5}{16}"$, 35 N·m*
29728	$\frac{3}{8}"$, 42 N·m*
29729	$\frac{7}{16}"$, 73 N·m*
29730	$\frac{1}{2}"$, 115 N·m*
29731	$\frac{9}{16}"$, 170 N·m*
29732	$\frac{5}{8}"$, 226 N·m*
29733	$1\frac{1}{16}"$, 260 N·m*
29734	$\frac{3}{4}"$, 305 N·m*
29735	$1\frac{3}{16}"$, 330 N·m*
29736	$\frac{7}{8}"$, 330 N·m*
29737	$1\frac{5}{16}"$, 330 N·m*
29738	1", 330 N·m*
29739	$1\frac{1}{16}"$, 330 N·m*



torque values listed are proof torques quoted in BS 192:1982 & BS 3555:1988 (based on hardened hexagon test stud).



FLARE END FITTINGS FOR 16 mm TORQUE HANDLE



FLARE ENDS METRIC	
29921	7 mm, 7 N·m*
29922	8 mm, 6 N·m*
29923	9 mm, 5 N·m*
29924	10 mm, 26 N·m*
29926	12 mm, 13 N·m*
29927	13 mm, 34 N·m*
29928	14 mm, 24 N·m*
29929	15 mm, 18 N·m*
29930	16 mm, 66 N·m*

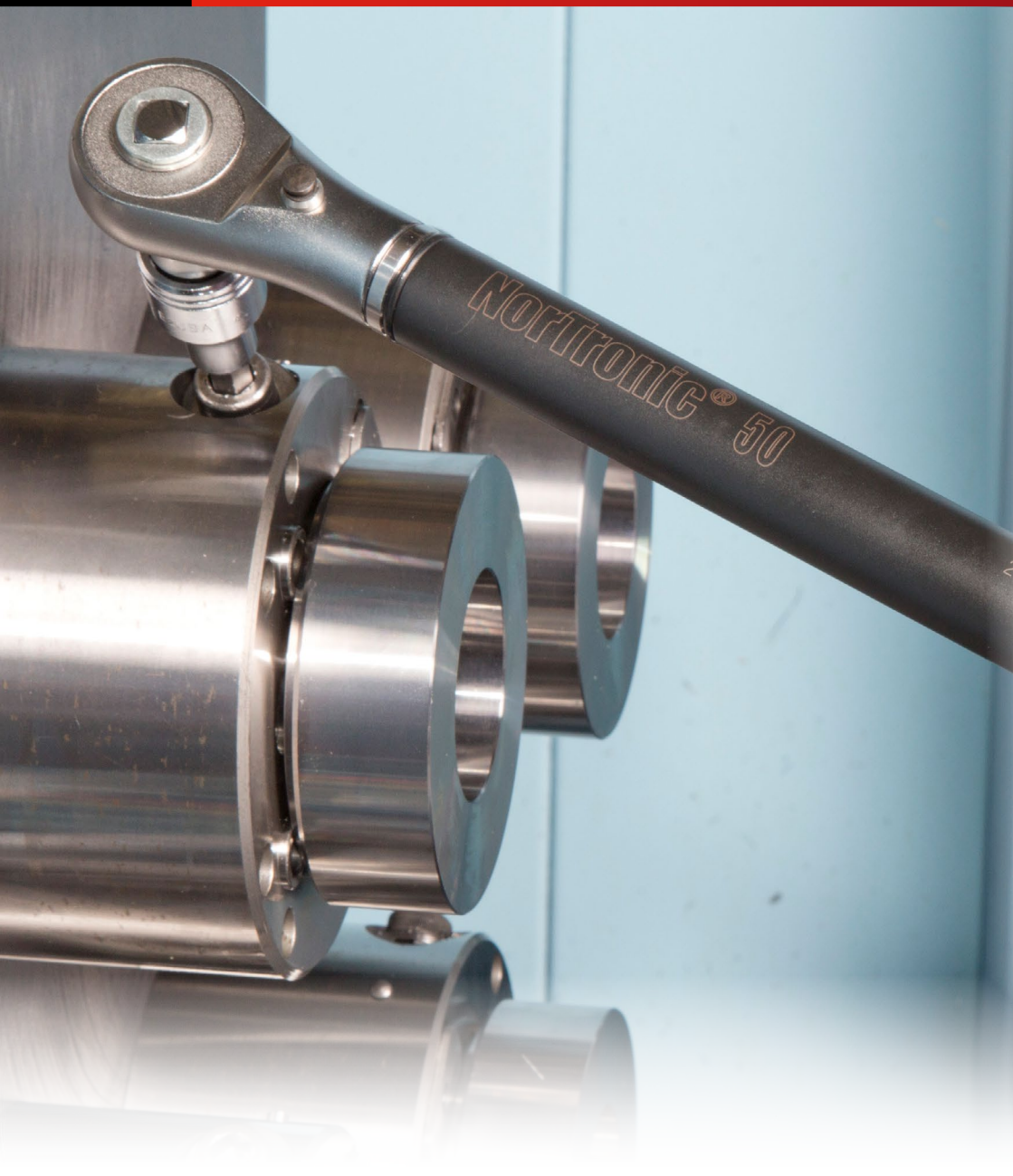
FLARE ENDS METRIC	
29931	17 mm, 56 N·m*
29953	18 mm, 45 N·m*
29954	19 mm, 80 N·m*
29932	20 mm, 60 N·m*
29933	21 mm, 43 N·m*
29934	22 mm, 172 N·m*
29935	23 mm, 153 N·m*
29936	24 mm, 118 N·m*
29955	27 mm, 76 N·m*

* Max torque values listed are proof torques quoted in BS 192:1982 & BS 3555:1988 (tested on hardened hexagon test stud).





SPIGOT ACCESSORIES



TORQUE WRENCHES



16 mm SPIGOT ACCESSORIES

44509	$\frac{3}{8}$ " Ratchet with Push-through square
29825	$\frac{1}{2}$ " Ratchet with Push-through square
44510	$\frac{1}{2}$ " Ratchet with Push-through square for NorTronic
29828	$\frac{3}{8}$ " Fixed Square Drive
29827	$\frac{1}{2}$ " Fixed Square Drive
29829	$\frac{3}{8}$ " Reversible Ratchet Head
29830	$\frac{1}{2}$ " Reversible Ratchet Head
29832	Blank End Fitting
85242	Blank End Fitting for Open End
11343	Blank End Fitting for Ring End
72000	Spigot Adaptor 16 mm female to 22 mm male

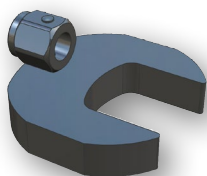
22 mm SPIGOT ACCESSORIES

29969	$\frac{3}{4}$ " Square Drive Fixed Head
29972	$\frac{3}{4}$ " Ratchet with Push-through square
85719	Blank End Fitting for Open End
85720	Blank End Fitting for Ring End

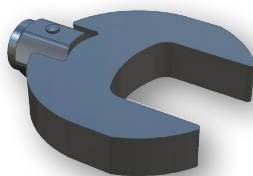


MANUFACTURED TO ORDER LARGE END FITTINGS

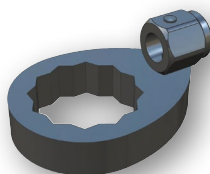
Where standard product do not fit the needs of a specific requirements Norbar are able to manufacture a wide range of different styled end fittings to better suit.



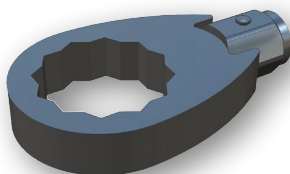
Open Offsets



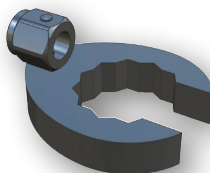
Open Inline



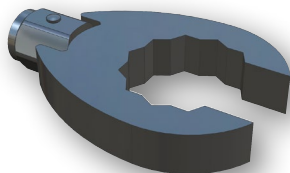
Ring Offsets



Ring Inline



Flare Offsets



Flare Inline



TORQUE WRENCHES





Norbar Torque Tools offers a range of high-precision electronic torque tools including a screwdriver and an extensive selection of torque wrenches to cover torque values from 0.45 to 800 N.m.

Many of the options in this section have the capability to connect to software that more easily manages data and configures settings. These highly accurate electronic torque and angle tools are the perfect solution for applications that require precision and control.



CONTENTS

- ProTronic® Electronic Torque Wrenches
-ProTronic® Plus Electronic Torque Wrenches
- ProTronic® Plus Electronic Screwdriver
- ProTronic® Plus Model 10 and Model 30
-ProTronic® Plus Torque App
-NorTronic® Electronic Torque Wrenches



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PROTRONIC® ELECTRONIC TORQUE WRENCHES



The ProTronic® is a high precision electronic torque wrench with a large backlit LCD display, that measures accurate and consistent torque readings. It also features an audible alarm when pre-set torque/angle value is reached.



Key Features



Large backlit LCD display

ELECTRONIC TORQUE WRENCHES



*Dual progressive
LEDs positioned both
sides of the wrench
provide an easy visual
representation of torque
progress*

wrench
rate and
e buzzer





PROTRONIC® ELECTRONIC TORQUE WRENCHES



ELECTRONIC TORQUE WRENCHES



PROTRONIC

130517	ProTronic 100, $\frac{3}{8}$ ", 5 - 100 N·m
130518	ProTronic 100, $\frac{1}{2}$ ", 5 - 100 N·m
130519	ProTronic 200, $\frac{1}{2}$ ", 10 - 200 N·m
130520	ProTronic 340, $\frac{1}{2}$ ", 17 - 340 N·m





PROTRONIC® PLUS ELECTRONIC TORQUE WRENCH



The ProTronic® Plus retains all the features available in the ProTronic® standard versions and then adds more. Equipped with Bluetooth®, the ProTronic® Plus works alongside a specially created app that allows uploading of wrench configurations and logging of streamed torque and angle readings.



Key Features

ELECTRONIC TORQUE WRENCHES



HES





PROTRONIC® PLUS ELECTRONIC TORQUE WRENCH

Dual progressive LEDs positioned both sides of the wrench provide an easy visual representation of torque progress





PROTRONIC PLUS

130512	ProTronic Plus 100, $\frac{3}{8}$ ", 5 - 100 N·m
130513	ProTronic Plus 100, $\frac{1}{2}$ ", 5 - 100 N·m
130514	ProTronic Plus 200, $\frac{1}{2}$ ", 10 - 200 N·m
130515	ProTronic Plus 340, $\frac{1}{2}$ ", 17 - 340 N·m
130516	ProTronic Plus 800, $\frac{3}{4}$ ", 40 - 800 N·m



ProTronic® Plus 100 shown with an open end fitting attached (not included)





PROTRONIC® PLUS ELECTRONIC SCREWDRIVER



The ProTronic® Plus Screwdriver retains all the features of the ProTronic® standard and Plus Wrench in a smaller package with flush fitted buttons to avoid accidental activation during use.



Key Features

PROTRONIC PLUS

130524 ProTronic Plus 9,
1/4" Female Hex, 0.45 - 9 N·m



*ProTronic® Plus 9 comes supplied with L shaft
for easier torque application*

ELECTRONIC TORQUE WRENCHES



shaped handle



PROTRONIC® PLUS MODEL 10 AND MODEL 30





The ProTronic® Plus Model 10 and Model 30 retain all the features of the ProTronic® standard and Plus Wrench in a more compact design allowing for lower torque and access to more space limited applications.



Key Features



PROTRONIC PLUS

130522 ProTronic Plus 10, $\frac{1}{4}$ ", 0.5 - 10 N·m

130523 ProTronic Plus 30, $\frac{1}{4}$ ", 1.5 - 30 N·m