

## Electrode Wrenches

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.

- Positive torque control increases energy efficiency.
- Self-clamping action speeds the tightening operation.
- Unmistakable signal when the set torque is reached.
- A wide range of electrode sizes, 8 to 24 inches, can be tightened.



### 200mm to 300mm Electrodes

Diameter		Part No.	Max Torque		Length	Torque Radius	Weight
mm	in		N.m	lbf.ft			
200	8	12506	312	230	928	723	3.2
250	10	12530	542	400	1140	890	6.8
300	12	12531	780	575	1280	990	8.4

### 350mm to 600mm Electrodes - High Range Torques

Diameter		Part No.	Max Torque		Length	Torque Radius	Weight
mm	in		N.m	lbf.ft			
350	14	12532	1140	840	1767	1451	13.8
400	16	12533	1300	950	1810	1480	14.3
450	18	12535	1500	1110	1720	1355	16.5
500	20	12536	2000	1475	2200	1805	20
550	22	12537	2370	1750	2555	2135	25.4
600	24	12538	2370	1750	2590	2135	26.1
600.HD	24	12538.HD	3200	2360	3335	2880	31.7