

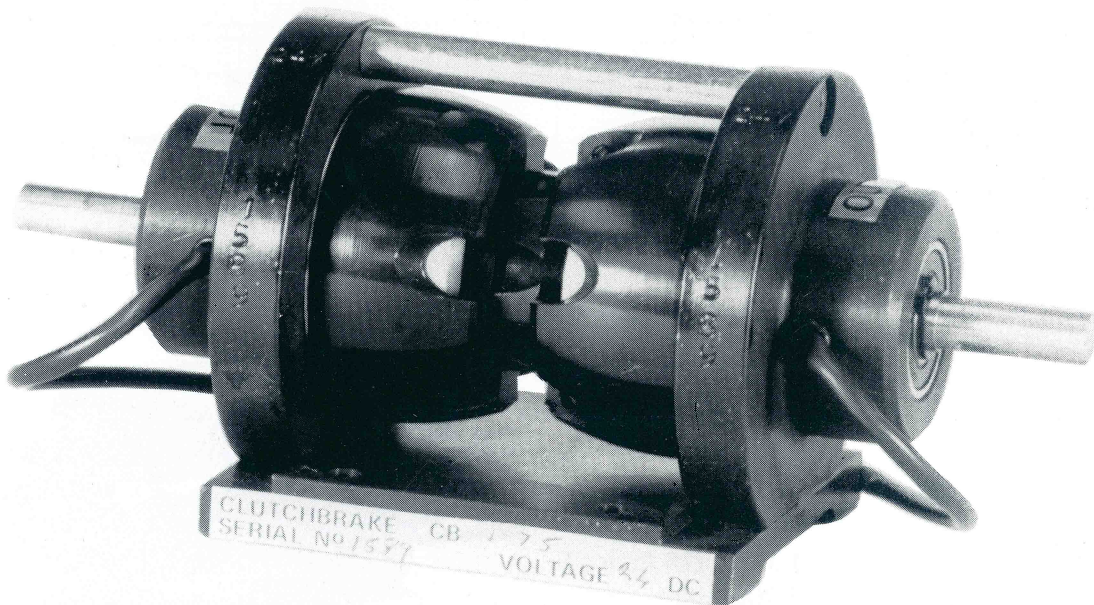
ALL
BRITISH
COMPANY

**COMPOSITE
ELECTROMAGNETIC
CLUTCHBRAKE**

DATA
SHEET

MODEL
CB 175

- TORQUE 1.1 Nm. (10 lb.ins.) MAXIMUM
- UP TO $\frac{1}{8}$ H.P. AT 1440 R.P.M.
- CYCLE RATES CAN EXCEED 10,000 STARTS/STOPS PER HOUR WHERE LOAD INERTIA PERMITS
- FULLY SELF-ADJUSTING NO MAINTENANCE REQUIRED
- CHOICE OF SHAFT DIAMETERS $\frac{5}{16}$ " or 8mm.



The **Clark Composite Clutchbrake** unit is a combination assembly of the well proven Clark model 175 **Clutch and Brake**. Integral input and output shafts running in substantial sealed bearings reduce fitting to the ultimate in simplicity and low cost.

The Clutch and Brake torque may be fixed at maximum or preset to a reduced value. For exceptionally smooth starting, the Clark **Power Unit type 1024/2R** incorporates an inexpensive "**Silkstart**" electronic control which raises the clutch voltage from zero to 24V over a period which can be preset between $\frac{1}{4}$ second and 10 seconds. "**Boost**" circuits can provide very high acceleration and stopping rates i.e. for high cycle rate indexing drives.

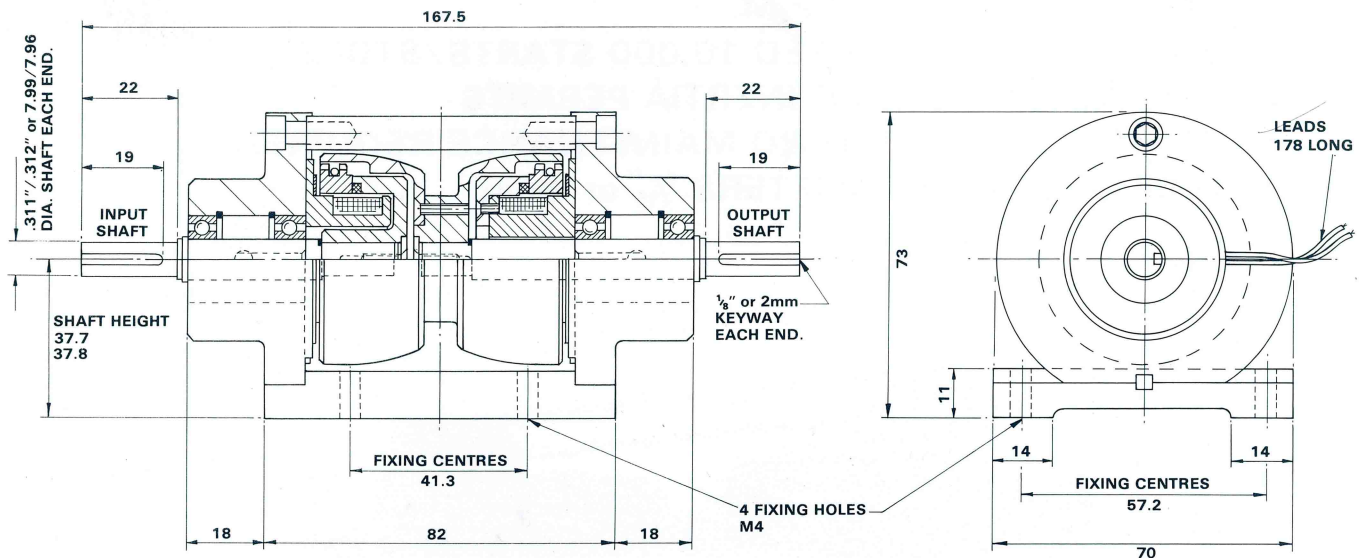
Comprehensive applications advice from address overleaf.

DATA
SHEET

MODEL
CB 175

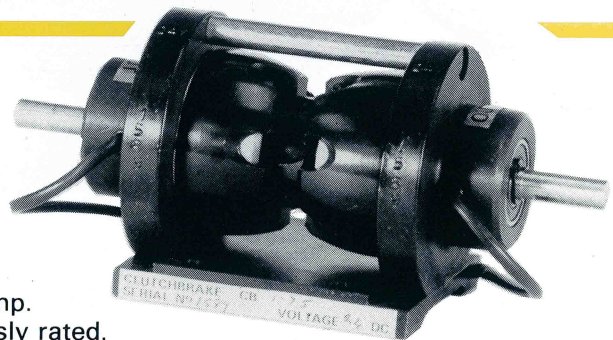
COMPOSITE
ELECTROMAGNETIC
CLUTCHBRAKE

ALL
BRITISH
COMPANY



General Specification

Maximum Static Torque	:	1.1 Nm (10 lb. ins.).
Maximum Speed	:	8,000 r.p.m.
Standard Coil Windings	:	24 volts D.C. 0.25 Amp. 97 Ohms. Continuously rated.
Other Voltages available	:	6, 12, 50, 90 Volts D.C.
Weight	:	0.9 Kg (2 lb)
Maximum Heat Dissipation (Slipping)	:	
Input Speed	0-500 r.p.m. :	870 Nm/min (640 ft.lb/min)
	1000 r.p.m. :	1333 Nm/min (980 ft.lb/min)
	1500 r.p.m. :	1500 Nm/min (1100 ft.lb/min)
	3000 r.p.m. :	1800 Nm/min (1325 ft.lb/min)



CLARK ELECTRIC CLUTCH AND CONTROLS Ltd

28 Victory Park, Trident Close, Medway City Estate, Rochester, Kent, ME2 4ER
Tel.: +44 (0)1634 297408 Fax.: +44 (0)1634 739136 e-mail: sales@clarkelectric.co.uk