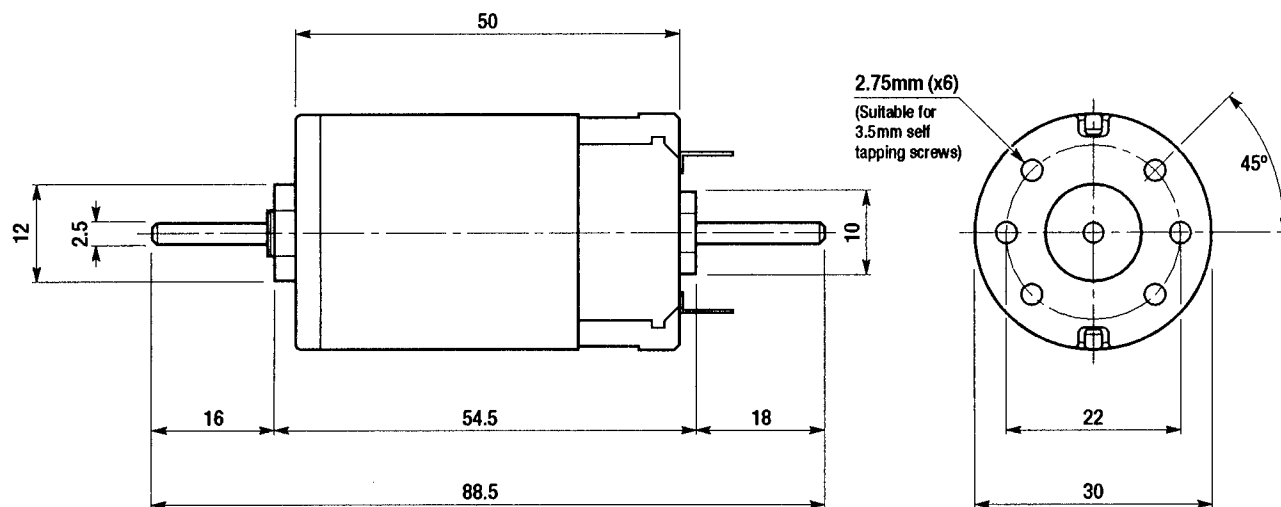
**Bühler - Type 1.13.021.101**

Manufacturer - Bühler

Supplier - MSC Models Ltd. and agents.

Crailcrest**Construction:**

Cylindrical totally enclosed frame, double shaft extension, end mounting screws.



Nominal voltage: 12

Note: Voltage is at the motor terminals. It is recommended that the supply voltage be 2V higher to allow for feeder and contact drop.

<i>Performance at</i>	<i>12V</i>	<i>16V</i>	<i>22V</i>
No-load speed (rpm)	6100	8130	11180
Stalled torque (g.cm)	592	789	1085
No-load current (A)	0.14	0.18	0.20
Stalled current (A)	3.2	4.2	5.8
Power output at 75% no-load speed (W)	7.0	12.0	23.0

<i>Nominal gear ratios</i>			
Express passenger and mixed traffic steam locos	13/1	17/1	23/1
Steam freight locos	17/1	23/1	31/1
Diesel and electric locos	7/1	10/1	13/1

Data source: Manufacturer's Data Sheet (1994)

Up-dates 1981 Guild test data.

Comment:

A powerful medium speed motor suitable for all Gauge O applications on supply voltages from 14 to 24 if the appropriate gear ratio is used.

Available with 14/1, 24/1 and 33.3/1 gearboxes.

This motor is available from other traders either under its Bühler Type Number or by the MSC name Crailcrest.