



## GAUGE '1'

### TRACTION MOTORS



The **ABC** Traction Motor is a two stage spur reduction unit designed for diesel locomotives and multiple units. The unit consists of a motor, gears and wheels ready to be fitted into your bogie.

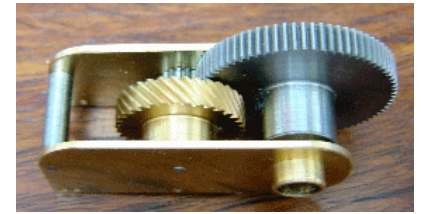
It comes complete with outside stub axles which fit into your bogie bearings and must be anchored to prevent the unit rotating. It is fitted with Slater's wheels, which are insulated. One pick-up is fitted to each axle unit. Two units fitted back to back will, therefore, pick up power from opposite sides. This makes it possible to power all wheels on the locomotive.

We can supply Slaters wheels - sizes of 3'7" and 3'9" or we can fit them to your wheel sets. The two stage gear set reduces the top speed to a little over 100 mph and gives excellent control at low speeds. A bogie fitted with two of these units has proved more than adequate on a ten coach train, although we expect that fitting only one on a five coach train may cause wheel slipping problems.

#### Price List

(Please specify wheel diameter)

Traction with 6v/12v 6W Maxon motor (22 x 32)	£75.00
Slaters wheels 3'7" or 3'9"	£10.50
Pick-ups (each)	£ 2.50
Pot of oil	£ 2.00
Postage and Packing (1 <sup>st</sup> Class Recorded Delivery)	£ 4.00



## IT'S AS SIMPLE AS **ABC**

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## GAUGE '1'

The **ABC** Gauge '1' Gearbox has been designed for the Gauge '1' locos and uses a much more robust version of our precision spur and helical gears than those used in our 'O' Gauge range.

The efficiency of the worm and wheel can be up to 25% less. Our gearbox has an efficiency of over 70% which means we can use a motor developing a third of the power to do the same job. The motors used can be smaller so the unit is easily fitted and leaves more space in the firebox for adhesive weight. The higher efficiency reduces motor current so that pick up can be lighter, reducing drag and enables them to be used in battery operations.

The gearboxes are narrow, only 23.6mm overall leaving plenty of space for compensation and springing. At present we can offer 3 ratios – 24.5:1, 20.7:1 & 11.5:1 but we will be expanding our range. If you have a particular enquiry please feel free to ask. A 6BA allen screw secures the final drive gear to the axle.

#### Gearbox

VML4	2 Stage Gearbox	£58.00
VMS4	2 Stage Gearbox	£58.00

#### Motors

8w Pittman	Single Ended 12v Motor (19 x 39)	£32.00
6w Maxon (leadwires)	Single Ended 12v Motor (22 x 32)	£35.00
10w Maxon (leadwires)	Single Ended 12v Motor (24 x 32)	£50.00
11w Maxon	Single Ended 12v Motor (26 x 45)	£75.00
20w Maxon	Single Ended 12v Motor (32 x 60)	£85.00

Postage & Packing (1<sup>st</sup> Class Recorded Delivery) £ 4.00