

## MOTORS

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|---------------|---|
| 1. Canon 1833 | Suitable for all but the heaviest Expresses.          |
| 2. Maxon 2w   | Suitable for small & light mixed traffic locomotives. |
| 3. Maxon 6w   | Suitable for all locomotives.                         |
| 4. Maxon 10w  | Suitable for heaviest locomotives.                    |
| 5. Maxon 2.5w | Suitable for small and mixed traffic locomotives.     |
| 6. Escap 3.8w | Suitable for small and mixed traffic locomotives.     |
| 7. Canon 1620 | Suitable for very small locomotives                   |

## PRICE LIST

(Gearbox prices includes motor fitting)

VML2	2 Stage Gearbox	£70.00
VMS2	2 Stage Gearbox	£70.00
VML2C	2 Stage Gearbox for Maxon motors	£70.00
VMS2C	2 Stage Gearbox for Maxon motors	£70.00
VML1	3 Stage Gearbox	£80.00
VMS1	3 Stage Gearbox	£80.00
VML5/VMS5	3 Stage Gearbox	£80.00
MINI GOOCH	3 Stage Gearbox	£80.00
MINI	3 Stage Gearbox	£80.00
MINI-S	3 Stage Gearbox	£80.00
MINI-7 S or E (ex RG7)	3 Stage Gearbox	£80.00
PUG SPEC	3 Stage Gearbox including motor	£85.00

\* Customer supplied motors – charge to be agreed

Canon 1620 – only used on Pug	(16 x 20)	£10.00
Canon 1833 Double Ended Hi-speed	(18 x 33)	£26.00
10w Maxon Single Ended 12v Motor (leadwires)	(24 x 32)	£75.00
6w Maxon Double Ended 6v or 12v Motor	(22 x 32)	£48.00
6w Maxon Single Ended 6v or 12v Motor	(22 x 32)	£45.00
2w Maxon Single Ended 12v Motor	(16 x 26)	£42.00
2.5w Maxon Single Ended 12v Motor	(19 x 29)	£44.00
2.5w Maxon Single Ended 6v Surplus Motor	(21 x 28)	£13.00
3.8w Escap Single Ended 12v Motor	(22 x 32)	£45.00

Postage & Packing (2<sup>nd</sup> class - Recorded Delivery) £ 7.00

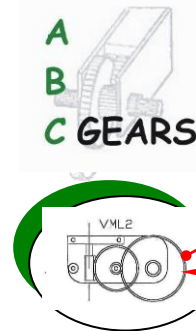
## OPTIONAL EXTRAS

Insulated bearings for split axle systems	£ FREE
Motor turning plate to turn Mashima motors 90 deg	£ 1.50
Ball Races for 2 Stage Gearboxes	£22.00
Ball Races for 3 Stage Gearboxes	£33.00
Pot of Oil	£ 3.00
Fork for mounting gearbox to chassis	£ 2.00

Technical advice can be given for a suitable motor and ratio for your requirements.

**All prices are inclusive of VAT.**

**Payment is by Cash or Cheque only – we cannot accept Credit Card payments at this time.**



From the shelf to you we've got it boxed



## IT'S AS SIMPLE AS A B C

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Hours of Business:  
Mon - Thurs 10am – 4pm

ABC Gears supplies a range of gearboxes for the 'O' Gauge modeller who demands better performance from his models. Our aim is to create small, powerful and reliable units that are still affordable.

The efficiency of a worm and wheel can be less than 25%. Our gearboxes use precision spur and helical gears for quiet running and give efficiency above 75%. This enables them to transmit three times the power from a given motor to the track, or put another way, use a motor developing a third of the power to do the same job. The motors we use are smaller so the motor gearbox can be fitted easily, leaving more space in the firebox for adhesive weight. The higher efficiency also reduces the current drawn by the motor. This means that pick-ups can be much lighter, reducing drag. It also makes our units suitable for battery operation.

The gearboxes are very narrow, only 16mm overall, to leave space for compensation beams and springing gear. All gearboxes are also fitted with a 4mm pillar at the back under the motor. A fork piece can be attached to the chassis and fitted over this pillar to support and restrain the rotational movement of the gearbox while allowing it to float with the locomotives suspension. An optional second pillar can be ordered for the other end of the gearbox for compensation systems.

We currently offer a range of standard motors but we can fit a motor supplied by you if it is suitable. \*There is a small charge for this service, depending on the motor.