



Products and Price list – 23 May 2014

Gearboxes

All the gearboxes are etched in 28thou" (0.7mm) nickel-silver and use ball-races to support any shafts and the axles. A considerable amount of reinforcing is included in the designs to ensure the gearbox is very rigid and so gear mesh is consistent and quiet. Input on all gear sets is for a 2mm dia. shaft and all require a 3/16" dia. axle. Following feedback received from existing customers the etches are now supplied reamed ready for the bearings.

Motor choice depends upon the fixing centres of the mounting screws; 10mm suits Mashima 14xx and 16xx motors, 12mm suits Mashima 18xx motors and 15mm is for the Canon 1833.

Mkits range (coming soon)

This range includes a variety of ratios and motor fixings to provide a core range of gearboxes which I would usually recommend as suitable for general use, before considering the other ranges (below). In most cases a 40:1 gearbox will be the preferred option, other ratios are available to suit particular requirements. The 13:1 motor mount, for example, is particularly useful for diesel locos incorporating Delrin chain drive. The 'Long' gearboxes have an additional idler gear stage and are similar in size to the well-known Escap RG7 gearbox when combined with a Mashima or Canon 1833. Gears are a steel worm and brass pinion(s).

Application note link (to follow)

Planning template link (to follow)

13:1 motor mount 12mm fixings kit (inc fret, bearings, gearset)	£18.25
13:1 motor mount 15mm fixings kit (inc fret, bearings, gearset)	£18.25
13:1 stand-alone gearbox kit (inc fret, bearings, gearset, input shaft)	£22.45
20:1 motor mount 10mm fixings kit (inc fret, bearings, gearset)	£18.25
20:1 motor mount 12mm fixings kit (inc fret, bearings, gearset)	£22.45
20:1 motor mount 15mm fixings kit (inc fret, bearings, gearset)	£18.25
26:1 motor mount 12mm fixings kit (inc fret, bearings, gearset)	£18.25
26:1 motor mount 15mm fixings kit (inc fret, bearings, gearset)	£18.25
26:1 stand-alone gearbox kit (inc fret, bearings, gearset, input shaft)	£22.45
40:1 motor mount 10mm fixings kit (inc fret, bearings, gearset)	£18.25
40:1 motor mount 12mm fixings kit (inc fret, bearings, gearset)	£18.25
40:1 motor mount 15mm fixings kit (inc fret, bearings, gearset)	£18.25
40:1 Long motor mount 12mm fixings kit (inc fret, bearings, idler shaft, gearset)	£31.50
40:1 Long motor mount 15mm fixings kit (inc fret, bearings, idler shaft, gearset)	£31.50
13:1 motor mount ex-works assembled (please provide motor and axle)	£40.00
13:1 stand-alone gearbox ex-works assembled (please provide axle)	£45.00
20:1 motor mount ex-works assembled (please provide motor and axle)	£40.00
26:1 motor mount ex-works assembled (please provide motor and axle)	£40.00
26:1 stand-alone gearbox ex-works assembled (please provide axle)	£45.00
40:1 motor mount ex-works assembled (please provide motor and axle)	£40.00
40:1 Long motor mount ex-works assembled (please provide motor and axle)	£55.00

Blines range

Primarily designed for use in diesel drive bogies, the 'Power' version is a gear/motor mount with 12mm and 15mm motor fixings, the 'Remote' version is a stand-alone gearbox. To drive two axles of one bogie you will need a 'Power', a 'Remote', motor of your choice and a drive shaft to connect the two gearboxes. Gears are an acetal worm and brass pinion providing exceptional smoothness and low noise.

Application note:

http://www.euram-online.co.uk/stephdale/downloads/sdmp_blines_13:1_application_note_v0,1.pdf

Planning template link

http://www.euram-online.co.uk/stephdale/downloads/sdmp_blines_planning_templates_v0,3.pdf

13:1 Power kit (inc fret, bearings, gearset)	£23.00
13:1 Remote kit (inc fret, bearings, gearset, input shaft)	£25.00
13:1 Power ex-works assembled (please provide motor and axle)	£40.00
13:1 Remote ex-works assembled (please provide axle)	£40.00



Steph Dale Model Products
Flat 8 Western Grange, Glebelands Road, Filton, BRISTOL, BS34 7BA
07714602606, steph@stephdale.co.uk, www.stephdale.co.uk

Rford range

For smaller, older and industrial locos, these are available in three ratios to suit a variety of applications. All three include motor fixings at 10mm, 12mm and 15mm through the use of a choice of two motor mounting plates, both of which are provided. Gears are a steel worm and brass pinion.

Application note link (to follow)

Planning template link:

http://www.euram-online.co.uk/stephdale/downloads/sdmp_rford_planning_templates_v0.1.pdf

30:1 kit (inc fret, bearings, gearset)	£18.25
40:1 kit (inc fret, bearings, gearset)	£18.25
54:1 kit (inc fret, bearings, gearset)	£18.25
30:1 ex-works assembled (please provide motor and axle)	£40.00
40:1 ex-works assembled (please provide motor and axle)	£40.00
54:1 ex-works assembled (please provide motor and axle)	£40.00

Chassis/drive sundries

A small range of useful bits and pieces which may not be easy to obtain from other sources.

Ball races

We carry the ball races below in stock for our gearboxes. Other types are available to order.

FR156zz 3/16" id, 5/16" od, flanged, double shielded, each	£1.20
MF52 2mm id, 5mm od, flanged, double shielded, each	£1.60
MF62 2mm id, 6mm od, flanged, double shielded, each	£1.40

Constant velocity joints

These can be used as part of our Blines gearbox system to provide the coupling between two gearboxes in a bogie. They comprise a 2cm length of flexible silicone tubing and a ball bearing.

Constant velocity joint	£1.00
Extra ball bearing	£0.50
Extra length of tubing (per cm)	£0.25

Hornguides

Known as '47961', these are designed for use with Slater's 7961 'Insulated Square Bearings' and provide an easy to adjust, insulated, sprung hornblock system which is particularly useful for split axle or 'American' pick up approaches. These are a simple assembly in 28thou" (0.7mm) etched brass. To complete you will need a set of springs (such as Slater's 7164) and the 7961 bearings. Axle cut out required is 7.5mm above axle centre line and 11mm wide.

47961 six guides for three axles (inc fret, screws)	£7.75
---	-------