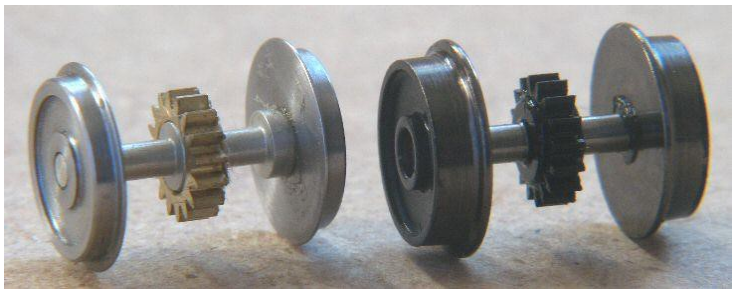
DROP IN WHEELSETS

- Easy to install drop in wheelsets for converting N gauge ready to run diesel locos and DMUs to 2mm track/wheel standards.
- Designed as replacement axles for the N-gauge items and including control bosses on the rear of the wheels to limit side-play movement.
- The range covers Bachmann-Farish though some may be suitable for Dapol items. The fully assembled axle consists of steel wheels, insulated axles, brass gear wheel.

Since 2018 the engineering on Farish locomotives has become less consistent. We have introduced a number of new items to facilitate conversions, but the permutations are now quite complex. While we have produced a guide, the best way to ensure that you get the right items is to measure your existing N gauge wheels:

- **Driving Wheels – diameter of wheel and number of teeth on driving gear.**
- **Carrying Wheels – diameter of wheel and diameter of axle.**
- **Pinpoint Wheels – length of axle over pinpoints, does it need to be split axle to facilitate current collection?**



Drop In Wheelset 7.5mm wheel, 16t gear on left, Farish N Gauge original from Class 24 on right

Drop in wheel range from Shop 3:

- **Geared Wheelsets**

Part No	Wheel Size	Gear Size	Suits
3-301	**6.0mm**	**15t**	Farish DMU classes 101, 108, 150, 158, 159, 170, GWR Flying Banana
3-305	**7.0mm**	**16t**	Farish diesel classes 20, 31, 37, HST, 55, 60, 66 (not post 2019 classes 31 or 55)
3-306	**7.5mm**	**14t**	Post 2019 Farish diesel Class 31
3-308	**7.5mm**	**16t**	Farish diesel classes 24, 25, 40, 44, 45, 46, 47, 56

- **Ungeared Wheelsets**

Part No	Wheel Size	Axle	Suits
3-310	**6.0mm**	**14.2mm split pinpoint**	Farish DMU classes for electrical pick up on undriven wheels.
3-312	**6.0mm**	**1.0mm dia**	Farish diesel classes 40, 44, 45, 46 undriven lead wheels (not Post 2018 Class 40)
3-313	**6.0mm**	**1.5mm dia**	Post 2018 Class 40 undriven lead wheels (but see below)
3-317	**7.0mm**	**1.0mm dia**	Farish diesel classes 40, 44, 45, 46 undriven lead wheels (not Post 2018 Class 40)
3-318	**7.0mm**	**1.5mm dia**	Post 2019 Class 31 undriven centre wheels Post 2018 Class 40 undriven lead wheels (but see below)

Also useful from Shop 2:

Part No	Wheel Size	Axle	Suits
2-020	**6.0mm**	**15.2mm pinpoint**	Farish DMU classes 101, 108, 158, 159, 170 for undriven

Prototype Data

Data on diesel wheel sizes, bogie dimensions, etc. is available on the Clag Website.

Scale Diameters of Wheels

- Classes 40, 44, 45, 46

Prototype specifications for the 1Co-Co1 BR designs had 3ft undriven lead wheels and 3ft 9in driving wheels. So, prototype scale diameters would be 6mm and 7.5mm, respectively.

On all of the models, and on the Class 40 up to 2018, the N gauge wheels are 6.3mm and 6.85mm, respectively. With scale driving wheels (7.5mm 16t), scale undriven lead wheels (6.0mm) will hover above the track. The recommended compromise is to fit an oversize set of lead wheels (7.0mm on 1.0mm axle). A scale solution using the 6.0mm wheel on a 1.0mm axle requires modification to the Farish bogies to make the undriven wheel ride lower; this may be possible but hasn't been tested.

The post 2018 design of the class 40 model appears to have some variants. The 7.5mm 16t wheels are suitable. The undriven lead axle needs to be on a 1.5mm axle. Some models will need a 6.0mm wheel, some a 7.0mm one. Check the wheels on your model before ordering.

- Class 31

Prototype specification for this A1A-A1A design had 3ft 7in outer driving wheels and 3ft 3.5in undriven centre wheels. So, prototype scale diameters would be 7.16mm and 6.58mm, respectively.

The post 2019 design of this model is supplied with N gauge wheels of 7.4mm for the outer driving wheels and 6.8mm for the centre carrying wheels. The recommended solution is to fit the 7.5mm 14t wheelset for driving wheels and the 7.0mm wheelset on 1.5mm axle for the centre carrying wheels. While this is a little overscale, it facilitates the prototypically smaller centre wheel, something not possible on previous versions of the model.