



## Wheel Measurements, Hubs and Tyres

### Pitch Circle Diameter (PCD)

Look at the stud pattern on the wheel. The PCD is the measurement for the distance between the centre of a stud hole to the centre of the stud hole directly opposite.

The majority of models have a PCD of 4".  
(WHL103NW)

Generally 1952-53 onwards.

These have the 9" hubcap with "M" Motif.  
(WHL104)

Vans after 1968 often have a Plain 9" hubcap  
(WHL104A 1968-72)

No brake adjuster hole

Stud diameter smaller than earlier wheels  
below. Uses 3/8 UNF nuts (SUS176) to  
attach wheel to studs in hub.

Tyres - 145 X 14,

155 x 14 NB: these will not fit the spare  
wheel compartment of a saloon/convertible.



Some later Series II cars have a  
4" PCD with the larger 9" "M" Motif hubcap  
that fit over the turrets.

This wheel has a brake adjuster hole so that  
you don't need to take the wheel off when  
adjusting the brakes

Uses Studs as above

Tyres - 145 X 14,

155 x 14 NB: these will not fit the spare  
wheel compartment of a saloon/convertible.



The first cars (Series MM and some Series II –  
1948 - 1953) have a PCD of 4.5". (WHL103PE)

This has the smaller 8.5" Plain hubcap  
(WHL105) that fits over the turrets.

This also has the brake adjuster hole.

Uses Bolts to attach wheel to hub

Tyres – 145 x 14



The Series MM before car no. 131858 uses BSF wheel  
bolt threads. After 131858 the MM uses wheel bolts  
with 7/16 UNF threads and normally 5/8 A/F heads  
which cause problems as they are too small and wear  
the holes in the wheels. Also available were 7/16 UNF  
bolts with 3/8 Whitworth heads (= 11/16-3/4 A/F)  
which solved the problem.



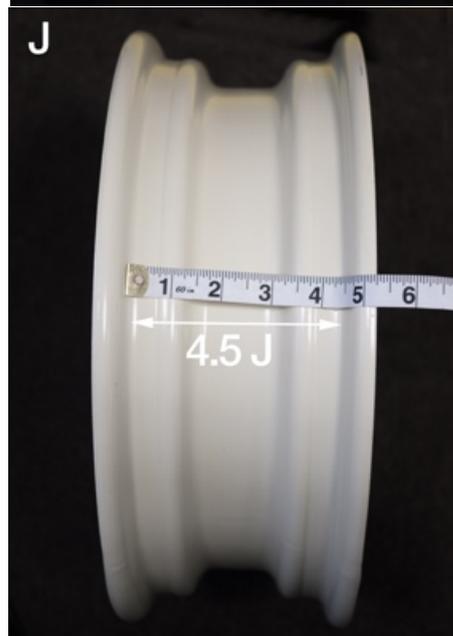
### "J" Measurement

The standard Morris Minor wheel for Cars and Vans is 14" Diameter.  
The difference lies in their thickness. The inside width between the rims is called the "J" measurement. This determines the type of tyres you can put on the car and the types of wheel trim.

The standard Saloon, Traveller and Convertible wheel (WHL103 and variations) all have a 3 J measurement  
3" from inner rim to rim.  
Tyres - 145 X 14,  
155 x 14 NB: these will not fit the spare wheel compartment of a saloon/convertible.



The Van wheels (VANWHEEL) have a 4.5 J measurement  
4 ½" from inner rim to inner rim.  
Tyres – 155 X 14



We can supply brand new wheels or we can provide original wheels: blasted, primed and painted. Those wanting original wheels will need to provide us with exchange units and contact the restoration department for a quote.