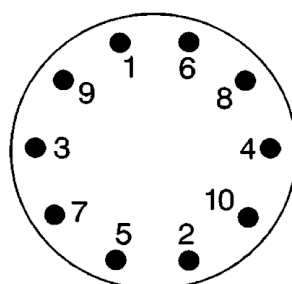
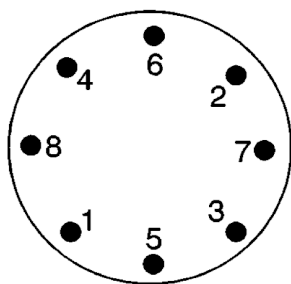


## Disc-Lock™ Safety Wheel Nut - M20 - Installation Guide

### Introduction

1. Check the socket, Disc-Lock™ Safety Wheel Nut and wheel surfaces are clean, undamaged and free of debris especially the stud threads.
2. Carefully fit the wheel over the hub & studs avoiding damage to the stud threads.
3. Apply 2 drops of light engine oil to just the threads of each stud. This is important to maintain the torque/tension relationship. **Do not oil the nut.**
4. Fit and run-up Disc-Lock™ Safety Wheel Nuts by hand initially. If using power tools, then only use for **initial fit-up** and just run up to wheel centre to avoid over-tightening.
5. Only use deep six-point hex sockets which do not have a chamfer on the inside edge. The socket must be placed over the entire wheel nut to engage both the top and bottom sections.
6. After initial fit-up, fit the deep socket onto a calibrated, well maintained torque wrench.
7. Set the calibrated torque wrench to the recommended settings found on the reverse of this installation guide and tighten the nuts using a recognised tightening sequence (example illustrated below).
8. Never be tempted to over-tighten as this will stretch the stud, crack the nut or strip the threads leading to failure.
9. If Disc-Lock™ Safety Wheel Nuts have been over-tightened during the initial fit-up, there will be no movement of the nut during the torquing procedure. If this is the case, the nuts must be slacked off, re-fitted and re-torqued in the correct sequence.
10. As with all other wheel nuts, Disc-Lock™ Safety Wheel Nuts must be re-torqued for tightness preferably after travelling 25 to 50 miles or, if this is impractical to carry out, after the vehicle has stood for 30 minutes.



Example 8 and 10 stud wheel nut tightening sequences

Non chamfered socket

## Disc-Lock™ Safety Wheel Nut - M20 - Installation Guide

### General Information

1. Disc-Lock™ Safety Wheel Nuts, like any other wheel nut, need to be fitted correctly. Careless fitting methods can lead to nut and stud failure.
2. Air guns can deliver well over 1200 Nm of torque which may lead to nut failure during installation therefore restrict the airflow to the minimum setting.
3. When Disc-Lock™ Safety Wheel Nuts are removed, use a bar to initially loosen the nut then an air gun can be used to remove completely.
4. Always ensure the correct six point hex socket is placed over the entire Disc-Lock™ Safety Wheel Nut. Failure to comply can result in splitting the nut or damaging the ramps between the top and bottom sections.
5. Install Disc-Lock™ Safety Wheel Nuts as a complete set.
6. Before re-installing Disc-Lock™ Safety Wheel Nuts, check there is no damage by rotating the top section against the bottom to ensure the ramps are not flat.
7. Some manufacturers do not recognise the 30 minute re-torque procedure. Always refer to the specific manufacturers instructions.

Recommended torque values		
Nut size	Nm	lb/ft
M20 x 1.5p	410 ± 10	300 ± 5