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OUT OF TIGHTENING

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Torqueleader is a partner in the  Group

TORQUELEADER “MINOR” & “STANDARD” PVC GRIPS

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BACKGROUND

For many years MHH Engineering have manufactured a very successful and full range of Torque Screwdrivers. All are constructed using colour coded polished and anodised aluminium handles.

On occasion, and under high volume applications, requests have been received for additional handle grips to ease User operation, especially for the Minor and Standard Screwdriver models.

In response to this demand, and after full evaluation of commercially available grips, MHH are pleased to announce the availability of custom made Grips specially for the Torqueleader Minor and Standard Torque Screwdrivers.

MODELS

<u>Model</u>	<u>Ordering Code</u>	<u>Weight</u>
Grip for Minor Torque Screwdriver	P19030	15 gms
Grip for Standard Torque Screwdriver	P19040	24 gms

DESCRIPTION

The Grips are moulded from clear PVC and are custom shaped internally to exactly match each screwdriver handle profile. This design feature eliminates any possibility of “slip” between Grip and Screwdriver handle.

Externally the grips again replicate the screwdriver profile - but with a softer semi-cushioned feel.

Using transparent clear PVC enables the screwdriver label and serial numbers to be clearly visible and readable through the grip.

Likewise, any pre-set value and re-calibration date marked on the tool handle is protected, but can easily be read through the grip.

One of the useful features of the Minor and Standard screwdriver is the colour coding of the anodised handle. Again the clarity of the PVC grip enables easy identification of each colour of torque screwdriver.

GRIP PERFORMANCE

Comparative Operator tests have been carried out using the Minor and Standard with and without the new PVC grips. On the Minor it was estimated from the test results that Operators could achieve a minimum of 50% more torque with the grip - which conversely means that 50% less effort would be required for the same torque pre-set value.

On the Standard the performance was even more marked with a doubling of torque output using the grip. When the grip was used with both screwdrivers the maximum design capacity of each of the tools was easily attainable by the least strong of the test Operators.

GRIP FITTING

As described the grips are internally moulded to mate with the external profile of each of the screwdrivers. This means that fitting is a precise operation and the following procedures should be adopted-

1. Wash the supplied grips to ensure any transit dirt or mould release agent is removed, especially from the inside.
2. Ensure the Minor or Standard torque screwdriver is pre-set and marked with this value and re-calibration date - if required.
3. Degrease the screwdriver anodised handle surface - do not immerse in degreasing fluid as this will affect the tools internal lubrication.
4. Holding the screwdriver firmly in a vice or similar - by its shaft or end fitting, sparingly apply "P80 temporary lubricating emulsion" * (or similar lubricant) to the handle.
5. Slide the grip onto the handle ensuring the internal grip ribs mate with the handle flutes.
6. To achieve complete drying of the temporary lubricating emulsion, allow 24 hours before using the torque screwdriver to its maximum design capacity. This drying process can be accelerated by the use of warm (not hot) air.

* P80 Temporary Lubricating Emulsion is a silicon free solution designed to aid the fitting of close tolerance rubber and plastic grips. It dries out after use and lubricity will not return even in the presence of moisture.

* P80 Temporary Lubricating Emulsion is manufactured by:-

International Product Corporation
PO Box 70
Burlington
New Jersey 08016
USA
Tel: ** 001 (609) 386 8770
Fax: ** 001 (609) 386 8438

or is obtainable from MHH Engineering in 100 ml containers (suitable for several hundred fittings).

GRIP REMOVAL

Grips may be removed from torque screwdriver handles by holding the screwdriver shaft securely in a vice and by carefully applying a jet of compressed air under the rim of the grip, temporarily expanding the grip and allowing it to be withdrawn from the handle.

PRICES

See Torqueleader General Price List.

AVAILABILITY

Both Minor and Standard Grips are available ex stock from MHH.
Minor and Standard Torque Screwdrivers may be ordered factory fitted with Grips, but pre-set and marking details must be specified at the time of ordering.