

# Torqueleader Torque Limiting Screwdrivers

Pre-set slipping torque screwdrivers for the application of low torque values.

## ■ Wide range

Twenty models covering a torque range of 0.5 cN.m to 13.6 N.m.

## ■ Eliminates overtightening

Smooth, bi-directional, 'slipping' mechanism signals when the set torque has been achieved and completely eliminates overtightening.

## ■ Automatic resetting

Precision radial ball clutch and cam design gives automatic re-setting.

## ■ Ideal for production use

Tamper proof adjustment, compact, lightweight construction with colour coded aluminium handles.

## ■ Easy to set

No adjustment scale - must be pre-set using ETCA, TCA or similar torque analyser - see pages 38-41. Adjustment by hexagon key.

## ■ Options

Single direction and electro-static discharge handle options available.

Minor, Standard and TLS 1360 available with 'Impact Free' Resetting (IFR) option.

## ■ Accessories

Wide range of accessories available - see page 53.

## ■ TLS 0022 and Micro models

Supplied with 1/4" Female Hex (FH) bit holder for use with 'screwdriver' blades and accessories.

End cap features a 'finger dimple' enabling the tool to be used as a jewellers screwdriver.

TLS 0022 finished in gold and black, TLS 0022 Micro finished in red and black.

## ■ Minor and Standard models

Available with either 1/4" Square Drive (SD) spindle for use with nut sockets or 1/4" Female Hex (FH) to suit screwdriver bits.

Choice of four handle colours on Minor and Standard models for identification - Blue, Green, Red and Gold.

PVC Handle Grips available - see page 50.

## ■ TLS 1360 models

Available with either 1/4" Square Drive (SD) spindle for use with nut sockets or 1/4" Female Hex (FH) to suit screwdriver bits.

TLS 1360 is supplied with black anodised handle and removable Tee Bar to provide extra leverage where required.

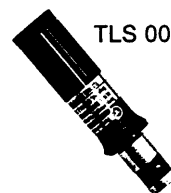
**Note:** Does not affect torque setting or accuracy.



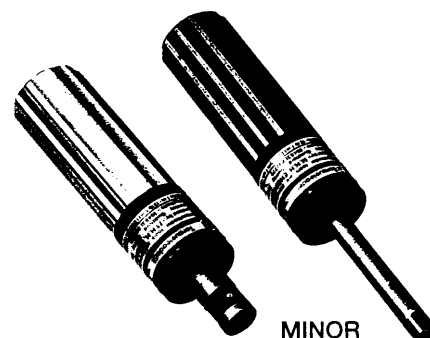
Designed and manufactured to meet the accuracy and repeatability requirements of ISO 6789 : 1992.



TLS 0022

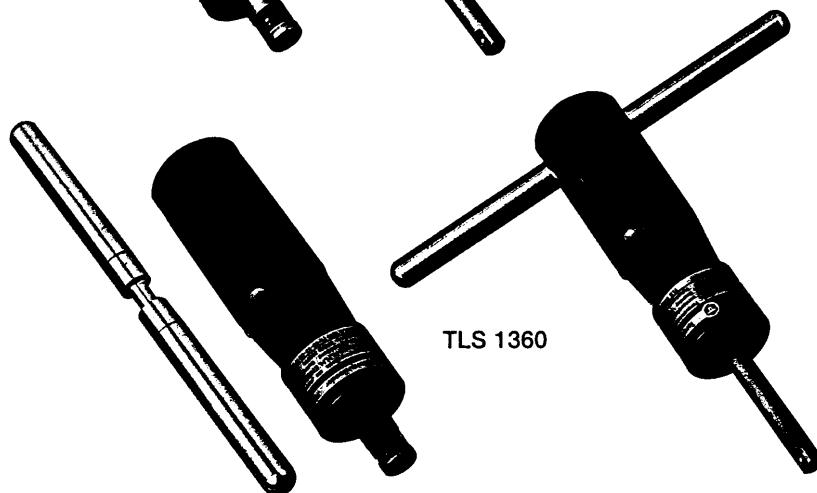


TLS 0022 MICRO



STANDARD

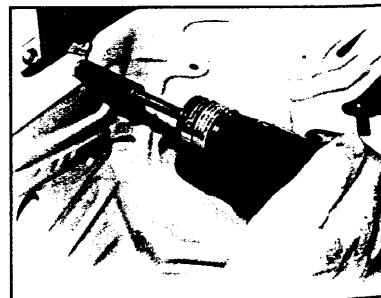
MINOR



TLS 1360

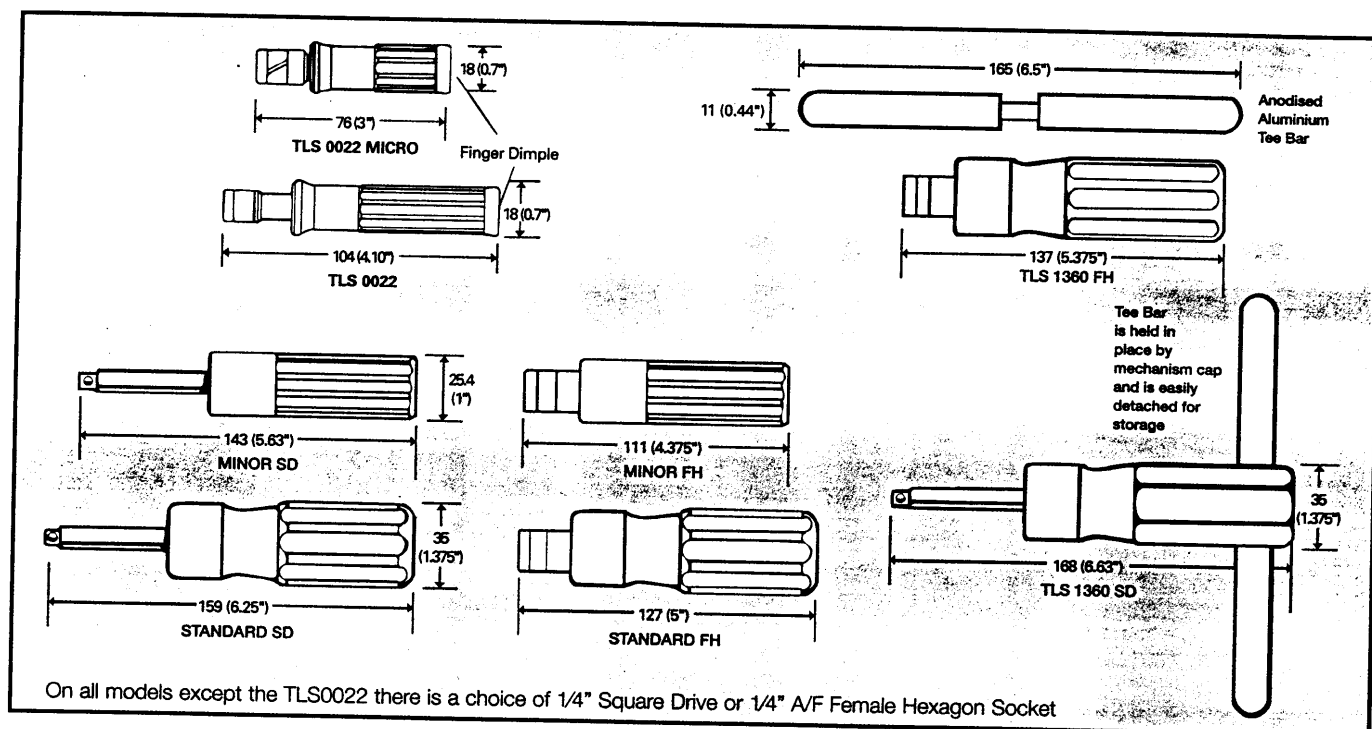


A 'Minor' Screwdriver tightening fasteners on delicate electronic equipment.



A 'Standard' Screwdriver being used by Vauxhall Motors in the assembly of an Astra rear light cluster.

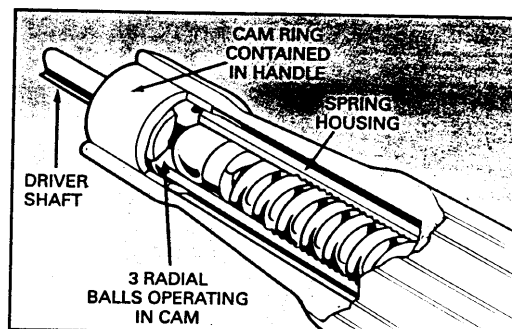
# Torqueleader Torque Limiting Screwdrivers



| MODEL             | COLOUR | ORDERING CODE | ← RANGE →     |                      | gm  | oz   |
|-------------------|--------|---------------|---------------|----------------------|-----|------|
| TLS 0022 MICRO FH | Red    | 015000        | 2 – 22 cN.m   | 3 – 32 ozf.in        | 50  | 1.8  |
| TLS 0022 FH       | Gold   | 015080        | 0.5 – 22 cN.m | 0.7 – 32 ozf.in      | 72  | 2.5  |
| MINOR SD          | Blue   | 015100        | 2 – 135 cN.m  | 3 ozf.in – 12 lbf.in | 210 | 7.4  |
| MINOR FH          | Blue   | 015200        | 2 – 135 cN.m  | 3 ozf.in – 12 lbf.in | 210 | 7.4  |
| MINOR SD          | Green  | 015120        | 2 – 135 cN.m  | 3 ozf.in – 12 lbf.in | 210 | 7.4  |
| MINOR FH          | Green  | 015220        | 2 – 135 cN.m  | 3 ozf.in – 12 lbf.in | 210 | 7.4  |
| MINOR SD          | Red    | 015140        | 2 – 135 cN.m  | 3 ozf.in – 12 lbf.in | 210 | 7.4  |
| MINOR FH          | Red    | 015240        | 2 – 135 cN.m  | 3 ozf.in – 12 lbf.in | 210 | 7.4  |
| MINOR SD          | Gold   | 015160        | 2 – 135 cN.m  | 3 ozf.in – 12 lbf.in | 210 | 7.4  |
| MINOR FH          | Gold   | 015260        | 2 – 135 cN.m  | 3 ozf.in – 12 lbf.in | 210 | 7.4  |
| STANDARD SD       | Blue   | 015500        | 6 – 406 cN.m  | 8 ozf.in – 36 lbf.in | 280 | 9.9  |
| STANDARD FH       | Blue   | 015600        | 6 – 406 cN.m  | 8 ozf.in – 36 lbf.in | 280 | 9.9  |
| STANDARD SD       | Green  | 015520        | 6 – 406 cN.m  | 8 ozf.in – 36 lbf.in | 280 | 9.9  |
| STANDARD FH       | Green  | 015620        | 6 – 406 cN.m  | 8 ozf.in – 36 lbf.in | 280 | 9.9  |
| STANDARD SD       | Red    | 015540        | 6 – 406 cN.m  | 8 ozf.in – 36 lbf.in | 280 | 9.9  |
| STANDARD FH       | Red    | 015640        | 6 – 406 cN.m  | 8 ozf.in – 36 lbf.in | 280 | 9.9  |
| STANDARD SD       | Gold   | 015560        | 6 – 406 cN.m  | 8 ozf.in – 36 lbf.in | 280 | 9.9  |
| STANDARD FH       | Gold   | 015660        | 6 – 406 cN.m  | 8 ozf.in – 36 lbf.in | 280 | 9.9  |
| TLS 1360 SD       | Black  | 015900        | 1 – 13.60 N.m | 10 – 120 lbf.in      | 325 | 11.5 |
| TLS 1360 FH       | Black  | 015920        | 1 – 13.60 N.m | 10 – 120 lbf.in      | 325 | 11.5 |



Setting a 'Standard' on a TCA Calibration Analyser



Screwdriver clutch mechanism