

# Zygology

## Data Sheet

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## NUTSERT HAND TOOL TYPE Z100

The Z100 Nutsert Hand Tool is a high quality tool carefully designed to ensure the easy placing of a wide variety of Nutserts and other blind thread inserts.

This heavy duty tool incorporates a roller bearing and low friction bushing to minimise the effort required to place Nutserts.

Nose equipment, which can be changed over very easily, is available to place inserts from M3 to M10 thread sizes



### PLACING NUTSERTS WITH THE Z100

1. Screw the Nutsert on to the threaded mandrel of the tool.
2. Insert the Nutsert into the pre-prepared hole in the workpiece.
3. Holding the tool in one hand by the side handle, turn the placing wheel with the other hand in a clockwise direction until the Nutsert is correctly placed. Downwards pressure on the placing wheel will keep it engaged with the threaded mandrel. Assistance with larger sizes may be obtained with the use of the tommy bar inserted in the top of the placing wheel.
4. Turn the placing wheel anti-clockwise to remove the threaded mandrel from the Nutsert. To assist placing and reduce wear, lubricate the mandrels threads frequently.

### CHANGING THREAD SIZES

1. Grasping the tool in one hand, pull the nose piece off the tool
2. Unscrew the delrin bush, and withdraw the placing wheel assembly. The threaded mandrel may now be removed.
3. Drop the new threaded mandrel into the tool, replace the placing wheel assembly and refit the delrin bush.
4. Push the new nose piece onto the tool, correctly aligning its slot with the spring pin on the tool body.

### SPECIAL NOTE ON PLACING M10 SIZES

The M10 mandrel is made up from two parts and to insert or remove it from the tool it is necessary to unscrew the mandrel body from the threaded section using the spanner provided on the flats.

Because of the two part construction, care must be taken not to over tighten when setting M10 nutserts. It is recommended that only Avdel 9698-1025 M10 Large Flange and Standard nutserts are placed with this tool.

### PART NUMBERS OF TOOLS AND SPARES

#### BASIC TOOL—Z100

Thread Size	Nose Kit	Mandrel
M3	Z100-0310	Z100-0320
M4	Z100-0410	Z100-0420
M5	Z100-0510	Z100-0520
M6	Z100-0610	Z100-0620
M8	Z100-0810	Z100-0820
M10	Z100-1010	Z100-1020

### NUTSERTS THAT CAN BE PLACED WITH THE Z100

The Z100 nose pieces have been carefully designed to enable a very wide range of nutserts to be placed correctly.

The following sizes are suitable for use with the Z100 tool.

Thinsheet Nutserts M3 to M8  
Large flange head Nutserts M3 to M10  
Standard Nutserts series 9508- M3 to M10  
Stainless Steel Nutserts M3 to M5