

Vermec Multi-Purpose Chisel Set User Manual

WTT-002 - 4 PIECE SET



This versatile range of tools consists of a handle, 2 straight shafts and 1 gooseneck shaft, all with cutting heads. Optional extras available are an Extension Handle, Side Handle, Cutter Head with Cutter, and a Sharpening Mandrel. These tools have been designed with safety in mind, and to a standard of quality that will last a lifetime. CAUTION: Any tool is potentially dangerous - the user should take every precaution to avoid injury. The purchaser is responsible for ensuring that the product is suited to their needs.

1. THE HANDLE

The handle is constructed of high quality Stainless Steel machined to a fine finish. It is weighted with lead shot for better balance and shock absorption and has a hard foam rubber grip. The 12mm bore of the handle will also fit most of the P&N range of chisels and gouges.



Handle

2. THE SHAFTS

The shafts are also made of Stainless Steel. The standard shafts are 19x220mm but heavy-duty version 320mm long are available.

- The round shaft is tapered at the tip to impart a safe downward angle when scraping.
- The small round shaft, also tapered, is 14x200mm and has a 10mm Tungsten Carbide (TC) Cutter.
- The gooseneck shaft has a 8mm Tungsten Carbide (TC) cutter

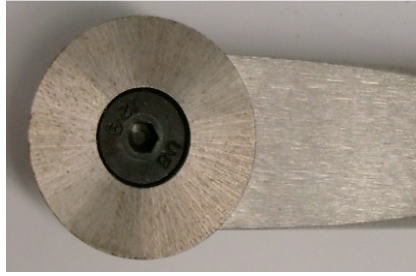


Shafts



3. THE CUTTER HEADS

3.1 THE SHEAR SCRAPER



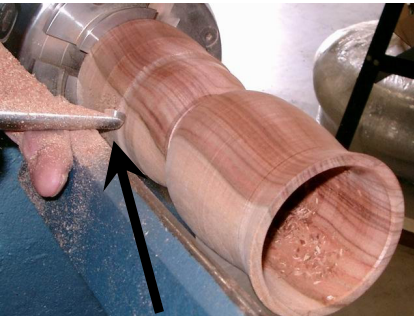
M41 HSS Shear Scraper (25mm dia)

The shear scraper is used on the round shaft. The High-Speed Steel cutter is 25mm diameter and will remove fine shavings.

Set the tool rest just below centre height so that with the tool horizontal, parallel to the lathe bed, the cutting edge is on the centreline.

The minimum cut is recommended for side cuts, and for hard timbers, the maximum cut is for bulk removal of softer woods. Rotating the shaft anti-clockwise between 30 and 45 degrees can also control the cut. This creates a shear cut and decreases the cutting angle. When hollowing end grain always start from the centre and cut outwards. The Shear Scraper is ideal for removing tool marks and producing an excellent finish. Store the cutter head carefully as edge can be easily damaged. It can be sharpened, using the optional sharpening mandrel.

3.2 THE 14mm SHAFT WITH 10mm TC CUTTER



14mm shaft with 10mm TC Cutter

This cutter can also be used as a roughing out and finishing tool for the internal and external turning of both larger and smaller work (e.g. goblets, potpourri bowls). Store the cutter head carefully as the brittle TC tip edge can be easily damaged

3.3 GOOSENECK SHAFT

The Gooseneck Shaft is made from 12.7mm (1/2") Stainless Steel and comes with an 8mm TC Cutter. When using the gooseneck:



◆ Make sure that the straight shaft remains in contact with the toolrest- do not use curved section for support.

◆ The Gooseneck shaft must remain horizontal at centre height at all times during use otherwise the cutting tool will not work properly.



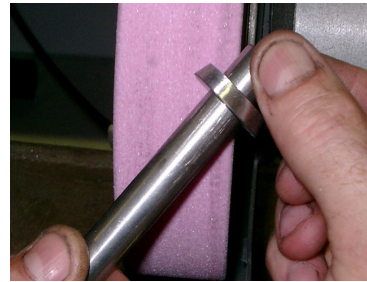
Gooseneck Shaft with cutter

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OPTIONAL ACCESSORIES:

4. SHARPENING MANDREL (WTT-020)

The sharpening mandrel is available as an optional accessory and facilitates the sharpening of the shear scraper disc.



Optional Sharpening Mandrel

5. EXTENSION HANDLE (WTT-016)

A 200mm extension to the handle is available for long and deep situations where extra leverage is required.



Optional Extension Handle

6. SIDE HANDLE (WTT-004)

The side handle fits on the front end of the main handle. Again made from Stainless Steel and encased in foam, it can be adjusted to any angle in relation to the cutting head.



Optional Side Handle

7. CUTTER HEAD WITH CUTTER (WTT-006)

This is used with the flat sided shaft, flat side down on the tool rest, which is set on the centre line again with the tool horizontal and parallel with the lathe bed.

The square HSS cutter is placed in the slot in the cutter head and screwed to the flat underside of the shaft. The inexpensive cutter can be ground to any shape required. The amount of cutter protruding from the cutter head can be adjusted to control the degree of cut. With only 1-3mm protruding it will not dig in which is beneficial for blind hollowing situations and for beginners. It is also very useful for cutting accurate chuck spigots and recesses, and fitting box lids, when ground for this purpose.



Cutter Head with Cutter