

## Dynamic Cone Penetrometer—DCP

### Standard Model Parts List

The Geo-Con standard model Dynamic Cone Penetrometer (DCP) is used for the determination of resistance of soils to the penetration of a steel cone of 30 degrees angle driven with a 9 kg mass, dropping 510mm.

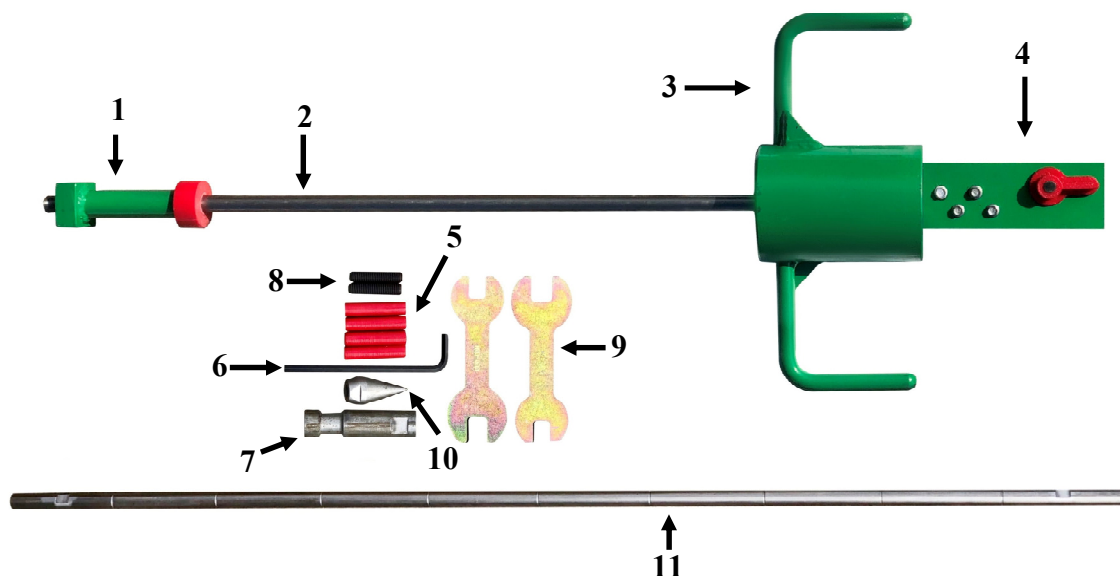
Our unique design features a special quick release anvil cam mechanism, which allows easy removal of the hammer assembly for the addition of extra penetration rods during use.

The anvil incorporates replaceable shear pins which reduce wear and tear of the DCP components, and also as a safeguard to avoid a back hammering effect, which can adversely affect test results.

A feature of this DCP is the reversible top nut, which allows for conversion of the mass drop height to the Perth Penetrometer standard for sands.

#### PARTS KEY

- |           |                             |            |                                       |
|-----------|-----------------------------|------------|---------------------------------------|
| <b>1.</b> | Reversible Top Nut          | <b>7.</b>  | Helmet                                |
| <b>2.</b> | Slide Bar                   | <b>8.</b>  | Grub Screws                           |
| <b>3.</b> | Hammer                      | <b>9.</b>  | Spanners to suit Rods and Helmet      |
| <b>4.</b> | Anvil Assembly              | <b>10.</b> | DCP Standard Cone                     |
| <b>5.</b> | Spare Set of Shear Pins (4) | <b>11.</b> | 1m Extension Rod (also in 1.2 & 1.5m) |
| <b>6.</b> | Long Series Allen Key       |            |                                       |



A complete DCP unit comprises the Hammer/Anvil assembly, Helmet, 1x1m Extension Rod, Standard DCP Cone, Grub Screws, a spare set of 4 Shear Pins, and 2 Spanners.

