



TOOL ID

Horticulture



Disc Harrow

Common Name: Disc

Definition/description: A disc harrow is a harrow whose cutting edges are a row of concave metal discs, which may be scalloped or set at an oblique angle.

What it is used for: It is an agricultural implement that is used to till the soil where crops are to be planted. It is used to chop up unwanted weeds or crop residue.



Pipe Cutter

Common Name: Pipe Cutter, Tubing Cutter

Definition/description: A pipe cutter is a handheld tool designed to make clean, straight cuts in pipes or tubing. Instead of using a saw, a pipe cutter uses a sharp cutting wheel and pressure to slice through material smoothly.

What it is used for: Pipe cutters are used to cut pipes made of copper, PVC, PEX, steel (with heavy-duty versions)



Aerator

Common Name: Lawn Aerator, Spike Aerator, Core Aerator

Definition/description: A turf aerator is a tool or machine used to create small holes in the soil of a lawn or sports field. This helps air, water, and nutrients reach the grass roots more easily.

What it is used for: Turf aerators are used to loosen compacted soil and create small openings that let air, water, and nutrients reach grass roots. This helps improve drainage, encourages deeper root growth, and keeps lawns, sports fields, and other turf areas healthy and thick.

Sources: https://en.wikipedia.org/wiki/Disc_harrow, <https://tameson.com/pages/pipe-cutter>, <https://www.ndsu.edu/agriculture/extension/extension-topics/gardening-and-horticulture/lawn-and-yard/should-you-aerate-your-lawn>



TOOL ID

Horticulture



Auger PTO

Common Name: Auger, Post-hole Auger, Earth Auger

Definition/description: An auger is an implement that mounts to a tractor's three-point hitch and uses the rear PTO (power take-off) drive to power a rotating, vertical screw bit for drilling holes.

What it is used for: Designed for one-person operation, it leverages the tractor's power to drill into soil.



Cordless Drill

Common Name: Drill, Handheld Drill

Definition/description: A cordless drill is a portable, battery-powered hand tool used for drilling holes and driving screws. It offers maximum mobility without needing a power socket, using rechargeable batteries to drive a rotating shaft and a chuck that holds various bits.

What it is used for: Drills are primarily used for drilling circular holes in material, or for inserting screws and other threaded fasteners into material.



GPS Unit

Common Name: GPS

Definition/description: The Global Positioning System (GPS) is a navigation system using satellites, a receiver and algorithms to synchronize location, velocity and time data for air, sea and land travel.

What it is used for: GPS is a powerful and dependable tool for businesses and organizations in many different industries. Surveyors, fleet drivers, scientists, pilots, boat captains, first responders and workers in mining and agriculture are just some of the people who use GPS on a daily basis for work.

Source(s):

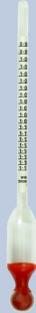
<https://library.georgetown.edu/equipment/cordless-drills#:~:text=A%20cordless%20drill%20is%20an,in%20much%20the%20same%20way.>

<https://www.geotab.com/blog/what-is-gps/>, <https://ohioline.osu.edu/factsheet/aex-5931>



TOOL ID

Horticulture

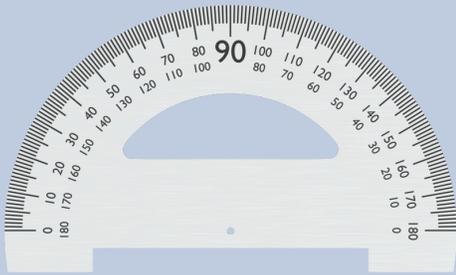


Hydrometer

Common Name: Hydrometer

Definition/description: A hydrometer is usually made of glass and consists of a cylindrical stem and a bulb weighted with mercury or lead shot to make it float upright.

What it is used for: A hydrometer is an instrument used to measure the specific gravity (or relative density) of liquids; that is, the ratio of the density of the liquid to the density of water. It is commonly used in brewing to measure sugar content for alcohol calculation, as well as in testing automotive coolant, milk (lactometer) and acids.



Protractor

Common Name: Protractor

Definition/description: A semicircular instrument for measuring and constructing angles. It looks like a half-circle (or sometimes a full circle) with numbers around the curved edge showing degrees from 0° to 180° (or 360° for full-circle protractors).

What it is used for: A protractor is a tool used in geometry to measure and draw angles. Protractors are also useful in engineering, design, art and architecture.



Shop Vacuum

Common Name: Workshop Vac, Wet/dry Vac

Definition/description: A shop vacuum is a heavy-duty vacuum designed for cleaning debris commonly found in workshops, garages, and construction sites. It typically features a stronger motor and wider hose, allowing it to handle heavier, bulkier materials than a standard household vacuum.

What it is used for: Shop vacuums are ideal for picking up nails, sawdust, wood scraps, and other workshop debris, and many models can also collect liquids when used as a wet/dry vac. They're commonly used in job-site cleanup, garage maintenance, and general workshop dust and debris removal.

Source(s): <https://www.familyhandyman.com/article/shop-vacuums/>
<https://www.camlab.co.uk/blog/hydrometers-a-guide-to-applications-and-usage>
<https://www.mathnasium.com/math-terms/protractor>