| t / | er | Technical Area | Ag Mechanics Equipment List | Recommended | *= |
|----------------------------|-------------|----------------|---|-------------|----------------------------|
| Equipment / Consumeable | ltem Number | <u>₹</u> | Item Description | en | Industry Certification* |
| ipm | Ž | آز | E=Equipment (life expectancy 5 or more years) | ᇤ | dus |
| duj | me | chr | C= Consumble (life expectancy less than 5 years) | 00 | er in |
| шЗ | ¥ | Ĕ | *Contact Region Agricultural Education office for Industry Certification | æ | ŭ |
| Е | 1 | Electricity | 600 Amp AC/DC TRMS Clamp Meter with Temperature | 1 | 0 |
| | | | Air Compressor - Two stage compressor on 60 gal. tank, 150 psi, 9/5 CFM , pressure | | |
| Е | 2 | General | switch with air release valve for "load-free" starting, 5 hp motor overload protection; unit | 1 | 1 |
| | 2 | General | complete with belt guard, remote inlet and oil bath air cleaner, with complete hose | • | ' |
| | | | assembly connect couplings | | |
| | | | Air Compressor, Gas Powered- 5 H.P gas compressor with twin four gallon tanks, twin | | |
| E | 3 | General | cylinder cast iron pumps to deliver in excess of 9.0 CFM at 90 PSI including 15' air | 1 | 0 |
| _ | 4 | | hose | | |
| Е | 4 | General | Air Hose Assembly | 4 | 11 |
| Е | 5 | Conoral | Air Pressure Regulator- For paint spray guns. Large capacity regulator, centrifugal | 4 | 4 |
| _ | 5 | General | oil/water eliminator, 2 outlet valves for clean air at regulated pressure, 1 outlet valve for clean air at main pressure 250 psi. | 1 | 1 |
| Е | 6 | General | Air Tank, Portable- Pressure gauge, shutoff valve, 4 ft. hose, 125 PSI maximum | 1 | 0 |
| _ | U | Octional | Antifreeze Tester- Glass tube with five floating balls, rubber bulb on top and rubber | 1 | <u> </u> |
| Е | 7 | Engines | hose on bottom of tester, to indicate protection from freezing from 0 degrees to minus | 1 | 1 |
| _ | • | Liigiiioo | 40 degrees | • | • |
| _ | _ | | Anvil, Blacksmith's- Type with stand, gray cast iron body, tool steel face, steel covered | | |
| E | 8 | Metals | horn, 100 lbs. total weight welded steel stand with maple top, 24" high | 1 | 1 |
| _ | 0 | NA-4-1- | Arc Welding Booths- Minimum size 48" X 48" X 76" with a see through vinyl fire | 40 | - |
| E | 9 | Metals | resistant curtain. | 10 | 5 |
| Е | 10 | Wood | Auger Bits- Solid center square shank type, set to include 13 bits ranging in graduations | 2 | 1 |
| | 10 | vvood | of 1/16" from number 4 to 16 | 2 | |
| Е | 11 | Engines | Bar Groove Cleaner- For use in cleaning grooves of chain saw bars; graduated 25, 35 | 1 | 1 |
| _ | • • • | Liigiiioo | and 45 degrees and 1/4", 3/8" and 7/16" depths | • | • |
| Е | 12 | General | Battery Booster Cables - Heavy duty copper cable encased in neoprene, insulated color | 1 | 1 |
| | | | coded clamps, 20 ft. long, No. 2 cable | | |
| Е | 13 | General | Battery Cable Puller- To remove battery cable clamps to consist of two jaws that can be | 1 | 0 |
| | | | inserted under clamp and a puller screw for lifting clamp Battery Charger-Tester- For 6 and 12 volt batteries, output 100 and 50 amps input 115 | | |
| E | 14 | General | volts at 10 amps. | 1 | 1 |
| | | | Battery Terminal Brush- Female end for cleaning terminals, male end for cleaning | | |
| E | 15 | General | clamps, contained in acid resistant case | 1 | 0 |
| Е | 16 | General | Benches- Work, hard maple laminated top, with metal base | 8 | 4 |
| _ | 47 | | Bit Extension- Designed to follow 11/16" bit, capacity 1", forged socket and shank, | 4 | |
| E | 17 | Wood | hardened and tempered, one-piece steel sleeve, 18" long | 1 | 0 |
| Е | 18 | General | Bit Set- Electrification, 3/8"-1" by 8ths | 1 | 1 |
| Е | 19 | General | Bits, High Speed Twist Drill- 29 fractional bits, 1/16 thru 1/2" by 64ths of an inch | 1 | 1 |
| E | 20 | General | Bits, Power Wood- Spade type, one piece tool steel, flared blade, complete set | 2 | 1 |
| E | 21 | Engines | Bits, Torqux Start, 8 piece set,T-10 - T-45 | 30 | 15 |
| Е | 22 | General | Bolt Cutter, 18"- Center cut type, compound lever action, 18" length, cushioned and | 1 | 1 |
| | | | insulated handle grips, capacity 3/8" in medium to hard metal | | |
| Е | 23 | General | Bolt Cutter, 30"- Center cut type, compound lever action, 30" length, cushioned and | 1 | 0 |
| | | | insulated handle grips, capacity 7/16" in hard metal | | |
| E | 24 | Masonry | Brick Chisel- Forged of vanadium alloy steel, edge beveled, baked finish with polished 4" bit. | 1 | 0 |
| | | | Brick Hammer- Oval shaped, chrome plated tubular steel shaft, 16 oz. forged steel | | |
| E | 25 | Masonry | head, neoprene grip handle | 1 | 0 |
| | | | Brick Jointer, 3/8" x 1/2" - Forged crucible steel, heat treated, ground and polished face, | | |
| E | 26 | Masonry | 3/8" x 1/2" | 1 | 0 |
| _ | 67 | | Brick Trowel- Taper ground from heel to point and from center to edges. Forged in one | | |
| E | 27 | Masonry | piece. 6" X 4 3/8" blade | 2 | 1 |
| | | | Brick Trowel, Narrow London, 10"- Narrow London pattern, one piece forged and heat | | |
| Е | 28 | Masonry | treated steel blade with 4 7/8" wide heel and 10" long, steel ferrule hardwood handle | 1 | 1 |
| | | | | | |
| Е | 29 | Masonry | Bricklayer's Hammer, 24 Oz Forged hammer steel, fitted wood handle | 1 | 0 |
| Е | 30 | Woods | Brush Duster- Soft Pliable bristles 2 1/2" long set in hardwood block with handle, | 12 | 4 |
| _ | 33 | | overall length 14 1/2" | | • |

| ~ <u>e</u> | <u>-</u> | e | Ag Mechanics Equipment List | pa | *- |
|----------------------------|-------------|--------------------|--|-------------|--|
| Equipment / Consumeable | ltem Number | Technical Area | Item Description | Recommended | Industry Certification* |
| E E | ٥ | <u>ca</u> | | шŧ | Industry |
| auil Inst | E | h | E=Equipment (life expectancy 5 or more years) C= Consumble (life expectancy less than 5 years) | on | r <u>i</u> |
| йδ | <u> </u> | ြို့ | *Contact Region Agricultural Education office for Industry Certification | Sec | င်္ |
| | | | Brush, Cup Type Carbon Removing - Brush diam. 1 5/8", crimped .013" steel wire | ш | |
| E | 31 | General | looped into hub, 1/4" stem for use in electric drill | 1 | 0 |
| _ | | | Brush, Parts Cleaning - Hard nylon brush fibers, round pattern, 12" long, 1" diameter | 4.0 | _ |
| E | 32 | Engines | head | 10 | 5 |
| Е | 33 | General | Brush, Solid Type Carbon Removing- End brush 3/4" diam., .006" wire size, 1/4" stem | 1 | 0 |
| | | | for use in electric drill Brush, Twist Type, Carbon Removing - Brush 1 1/8" in diam., tightly twisted spiral of | | |
| E | 34 | General | .020" steel wire, 1/4" stem for use in electric drill | 1 | 0 |
| Е | 35 | Metals | Brushes- Wire, 1" X 6" with handle | 12 | 5 |
| E | 36 | | Builders Calculator | 5 | 0 |
| | | | Cabinet, Flammable Liquid - 18 gauge steel panels, double wall top, bottom, sides and | | |
| E | 37 | General | back with 1 1/2" air space between inner and outer panels. Unit should include screen flame arrestor vent, leak-proof sill at bottom; leveling feet on all 4 corners, 3 point lock; must meet National Fire Protection Association requirements. | 1 | 1 |
| E | 38 | Woods | Cabinet, Stationary Tool- Wooden two door tool cabinet equipped with custom designed tool holding devices, individual hold devices painted to match tool color coding scheme | 7 | 0 unless no storage for wood fab. Tools is available |
| Е | 39 | Safety | Cabinet, Sterilization and Storage, for Safety Goggles- 40 pair capacity and safety glasses | 1 | 1 |
| Е | 40 | Electricity | Cable Cutter, High leverage, 9", for 4/0 aluminum, 2/0 soft copper, 100 - pair 24 AWG communications cable | 15 | 4 |
| Е | 41 | Electricity | Cable Cutter, Standard, 32" | 1 | 1 |
| Е | 42 | Electricity | Cable Ripper- For use in nonmetallic sheathed cable with outside diameter 5/8 inches | 30 | 0 |
| | | , | or smaller | | |
| E | 43 | Electricity | Cable-Splicer's Knife | 30 | 15 |
| E | 44 | Engines | Caliper, Dial Vernier - 0 to 6 inches, .100" graduation | 30 | 15 |
| E | 45 46 | Engines Engines | Calipers- Inside, 6", screw operated Calipers- Outside, 6", screw operated | 3 | 0 |
| E | 47 | General | Camera, Automatic with carrying case. | 1 | 0 |
| E | 48 | General | Camera, Digital, with screw on UV Filter | 1 | 0 |
| | | | Cement Edger- Cast aluminum, wooden handle, cuts 2 3/4" X 5 3/4" with 5/8" radius | | |
| E | 49 | Masonry | each end. | 1 | 1 |
| _ | 50 | | Cement Groover- Cast aluminum, both ends curved, wooden handle, cuts 1/2" deep X | 4 | 4 |
| Е | 50 | Masonry | 3/8" wide | 1 | 1 |
| Е | 51 | General | Chain Hoist, 1 1/2 ton - Differential type, 1 1/2 ton capacity, to lift 10 ft., electric pull, | 1 | 0 |
| | | | 7/16" chain, safety hooks | 4 | • |
| Е | 52 | Engines | Chain Saw Chaps Chain Saw File- Round blunt end, double cut various sizes. *Required with chainsaw. | 1 | 0 |
| E | 53 | Engines | Onam Daw I lie- Nound blunt end, double out various sizes. Required with challisaw. | 1 | 0 |
| Е | 54 | Engines | Chain Saw Gloves *Required with chainsaw. | 1 | 0 |
| | | .555 | Chain Saw Sharpening Kit- To include sharpening tool, guide, grinding wheels, | | - |
| E | 55 | Engines | spacers, adjustment gauge, and wrench. AC 120 volt or cordless. *Required with chainsaw. | 1 | 0 |
| Е | 56 | General | Chalk Line, 10'- Self-chalking reel, aluminum box, leak-proof, self-locking handle, 100' | 2 | 1 |
| E | 57 | Metals | length Chisel, Cape, 3/8"- High carbon hardened and tempered steel, 3/8" wide blade at | 5 | 1 |
| | 31 | iviciais | cutting edge | , | • |
| E | 58 | Metals | Chisel, Cold Cape, 1/4"- High carbon hardened and tempered steel, 1/4" wide blade at | 5 | 1 |
| | | | cutting edge Chisel, Diamond Point Cold - Forged from alloy steel hardened and tempered, 1/2" | | |
| E | 59 | Metals | hexagon stock, 3/8" point | 5 | 1 |
| Е | 60 | Metals | Chisel, Flat Cold, 1"- Alloy steel, hexagon stock, 1" size | 5 | 1 |
| | | | Chisels, Cold Flat- 4 to a set- Alloy steel, hexagon stock, each set to consist of one | | |
| E | 61 | Metals | each of the following sizes: 3/8", 1/2", 3/4" and 1" | 4 | 1 |
| Е | 62 | Wood | Chisels, Wood - Complete set | 4 | 2 |

| Item Description | - i | | Te a | Ag Mechanics Equipment List | per | *_ |
|---|----------|--------|-------------|---|-----|-------------|
| Circuit Tester - Delects wing configurations and indicates: correct wing, open ground, reverse polarity, open hot, open neutral, hot/ground reverse olarity, open to pen the pen of the ground fault Light sequence indicates corrections certification of the ground fault Light sequence indicates corrections of the ground fault sequence indicates correctly and land socket tip, frame made of high grade malleable iron E 65 Wood Cland, Bar. 6: Required individing from the fault of the ground fault with wood grip, 6 ft. opening. E 66 Wood Cland, Pack Sequence of the ground fault with the ground sequence of the ground fault with wood grip, 6 ft. opening. E 67 Wood Cland, Pack Sequence of the ground fault with the ground sequence of the ground fault with wood grip, 6 ft. opening. E 68 Metals Cleaners Tip, oxyacetylene welding clean sequence of the ground fault of the ground fault | ieak | g E | Ā | | enc | itry |
| Circuit Tester - Delects wing configurations and indicates: correct wing, open ground, reverse polarity, open hot, open neutral, hot/ground reverse olarity, open to pen the pen of the ground fault Light sequence indicates corrections certification of the ground fault Light sequence indicates corrections of the ground fault sequence indicates correctly and land socket tip, frame made of high grade malleable iron E 65 Wood Cland, Bar. 6: Required individing from the fault of the ground fault with wood grip, 6 ft. opening. E 66 Wood Cland, Pack Sequence of the ground fault with the ground sequence of the ground fault with wood grip, 6 ft. opening. E 67 Wood Cland, Pack Sequence of the ground fault with the ground sequence of the ground fault with wood grip, 6 ft. opening. E 68 Metals Cleaners Tip, oxyacetylene welding clean sequence of the ground fault of the ground fault | ipm | Ž | Jica | | E | dus fica |
| Circuit Tester - Delects wing configurations and indicates: correct wing, open ground, reverse polarity, open hot, open neutral, hot/ground reverse olarity, open to pen the pen of the ground fault Light sequence indicates corrections certification of the ground fault Light sequence indicates corrections of the ground fault sequence indicates correctly and land socket tip, frame made of high grade malleable iron E 65 Wood Cland, Bar. 6: Required individing from the fault of the ground fault with wood grip, 6 ft. opening. E 66 Wood Cland, Pack Sequence of the ground fault with the ground sequence of the ground fault with wood grip, 6 ft. opening. E 67 Wood Cland, Pack Sequence of the ground fault with the ground sequence of the ground fault with wood grip, 6 ft. opening. E 68 Metals Cleaners Tip, oxyacetylene welding clean sequence of the ground fault of the ground fault | nb: | eш | ch | | 00 | erti |
| reverse polarity, open hot, open neutral, holdground reversed, RT200 also works on GFI electricity outlets and confirms operation of the ground fault. Light sequence indicates correct/incorrect wiring. These receptacle testers are used to troubleshoot 120V AC grounded outlets and confirms operation of the ground fault. Light sequence indicates are correct/incorrect wiring. These receptacle testers are used to troubleshoot 120V AC grounded outlets. E 64 General Camp. Bar. 6*: Regular duly "I" bar. notches spaced 1/2" apart, quick action, steel handle with wood grip. 6*. Opening. E 66 Wood Andle with wood grip. 6*. Opening. Clamp, Bar. 6*: Regular duly "I" bar. notches spaced 1/2" apart, quick action, steel handle with wood grip. 6*. Opening. Clamp, Bar. 6*: Regular duly "I" bar. notches spaced 1/2" apart, quick action, steel handle with wood grip. 6*. Opening. Clamp, Bar. 6*: Regular duly "I" bar. notches spaced 1/2" apart, quick action, steel handle with wood grip. 6*. Opening. Clamp, Bar. 6*: Regular duly "I" bar. notches spaced 1/2" apart, quick action, steel handle with wood grip. 6*. Opening. Clamp, Bar. 6*: Regular duly "I" bar. notches spaced 1/2" apart, quick action, steel handle with wood grip. 6*. Opening. Clamp, Bar. 6*: Regular duly "I" bar. notches spaced 1/2" apart, quick action, steel handle with wood grip. 6*. Opening. Clamp, Bar. 6*: Regular duly "I" bar. notches spaced 1/2" apart, quick action, steel handle with wood grip. I bar. 4*. Opening aparts with a steel spaced to the steel with a steel spaced to the same and spaced placed opening aparts. I bar. 4*. Opening aparts. Opening aparts. Opening aparts. 10*. Steel spaced placed opening aparts. 10*. Opening aparts. 10*. Opening aparts. Op | шŏ | ž | Te | | & | ပ |
| E 63 Electricity outlets and confirms operation of the ground fault Light sequence indicates confirms operation of the ground fault Light sequence indicates confirms operation of the ground fault Light sequence indicates confirms operation of the ground fault Light sequence indicates confirms operation of the ground fault light sequence indicates confirms operation of the ground fault light sequence indicates confirms operation of the ground fault light sequence indicates confirmed in the ground fault light sequence in the ground fault light sequence in the ground fault indicates in the ground fault light sequence in the ground fault indicates in t | | | | | | |
| correct/incorrect wiring. These receptacle testers are used to troubleshoot 120V AC grounded outlets Clamp, "C". Set of 8, 2 12", 4", 6" and 8", siding pin handle, heat treated acme screw, B 4 and and scaket lipr, frame made of high grade malleable iron. E 65 Wood Clamp, Bar, 6". Regular duty "I bar, notches spaced 1/2" apart, quick action, steel handle with wood grip, 6 ft. opening. E 66 Wood Clamp, Hand Screw- One each of 6" and 10", hard maple jaws, steel spindles, maple handles protected by heavy steel ferrules Clamp, Quick Gip Bar- Positive rocking action to hold work tight, quick release trigger left go in a snap, high-tech resin construction is strong yet lightweight, instantily opening size; 6", 12", 18", 24" and 36". E 68 Metals Cleaners- Tipp, was pressure, large, plibable pads wornt mar work. Complete set- jaw opening size; 6", 12", 18", 24" and 36". E 69 Metals Cleaners- Tip, oxyacetylene welding Cleaning Gun Nozzele-Used for cleaning engines, machines and small parts; to operate from compressed air and capable of spraying most solvents, suction feet, 9" nozzle, 7" 1 0 strong and stream of the stream of | _ | | | | | _ |
| grounded outlets E 64 General Mann, "C"- Set of 6, 2 1/2", 4", 6" and 8", sliding pin handle, heat treated acme screw, ball and socket tip, frame made of high grade malleable iron E 65 Wood Clamp, Bart, 6"- Regular drily "I bar, nothes spaced 1/2" apart, quick action, steel handle with wood girp, 6 ft. opening. E 66 Wood Clamp, Bart, 6"- Regular drily "I bar, nothes spaced 1/2" apart, quick action, steel handle with wood girp, 6 ft. opening. Clamp, Duick Grig Bar. Positive rocking action to hold work tight, quick release trigger left go in a snap, high-tech resin construction is strong yet lightweight, instantly adjustable clamping pressure, large, pilable pads won't man work. Complete set-jaw opening size; 6", 12", 18", 24" and 36". Clamp, Welding - Piler type, vise grip, alloy steel, toggle action and positive lock, U-stable left go in a snap, high-tech resin construction is strong yet lightweight, instantly opening size; 6", 12", 18", 24" and 36". Clamp, Welding - Piler type, vise grip, alloy steel, toggle action and positive lock, U-stable plant parts, in opening size; 6", 12", 18", 24" and 36". Clamp, Welding - Piler type, vise grip, alloy steel, toggle action and positive lock, U-stable plant plants, in opening size; 6", 12", 18", 24" and 36". Clamp, Welding - Piler type, vise grip, alloy steel, toggle action and positive lock, U-stable plants, and the steel of the steel o | E | 63 | Electricity | | 6 | 1 |
| E 64 General Clamp, "C" - Set of 8, 2 1/2", 4", 6" and 6", siding pin handle, heat treated acme screw, and an acoket tip, rame made of high grade malleable iron | | | | | | |
| E 65 Wood clamp, Bar, 6** Regular duty "To bar, notches spaced 1/2* apart, quick action, steel handle with wood grip, 6** ft. opening. E 66 Wood clamp, Bar, 6** Regular duty "To bar, notches spaced 1/2* apart, quick action, steel handle with wood grip, 6** ft. opening. E 66 Wood clamp, Cluck Grip Bar. Positive rocking action to hold work tight, quick release trigger landles protected by heavy steel ferrules Clamp, Cluck Grip Bar. Positive rocking action to hold work tight, quick release trigger landles protected by heavy steel ferrules Clamp, Wood clamping pressure, large, pilable pads won't mar work. Complete set-law opening size: 6**; 12**; 18**; 24* and 36**. E 68 Metals Sapad Jaws, release lever in handle, jaw width 2 3/4**, length 9**, jaws adjustable to 1 \$5,8**. E 69 Metals Claanres Tip, oxyacetylene welding Cleaning Gun Nozzle- Used for cleaning engines, machines and small parts; to operate Cleaning Gun Nozzle- Used for cleaning engines, machines and small parts; to operate Cleaning Gun Nozzle- Used for cleaning engines, machines and small parts; to operate bearing assembly, moving parts, immersed in dampening liquid in sealed plastic container. Percent and Topographic scales to read to 150%. E 71 ENR Climenter- Housing of corrosion resistant lightweight metal, scale supported jeweled bearing assembly, moving parts, immersed in dampening liquid in sealed plastic container. Percent and Topographic scales to read to 150%. E 72 Wood sconsisting of one each of the following sizes: 3/4* N. No. 8, 11/4* N. No. 10 and 11/2* x. No. 12 Combination Drill and Countersinks- For flathead wood screws, adjustable, 5 to each 10 and 11/2* x. No. 12 Combination Drill and Countersinks- For flathead wood screws, adjustable of the consisting of one each of the following sizes: 3/4* N. No. 8, 11/4* N. No. 10 and 11/2* x. No. 12 Computer Cart- With casters, includes surge protector, electrical outlets, adjustable shelves E 75 General Computer Printer, color E 76 General Computer Printer, color Concrete Finishing | | | | | | |
| E 65 Wood Clamp, Bar, 6"- Regular duty," Par, notches spaced 1/2" apart, quick action, steel 8 4 | E | 64 | General | | 8 | 4 |
| E 66 Wood Clamp, Hand Screew One each of 6" and 10", hard maple jaws, steel spindles, maple handles protected by heavy steel ferrules Clamp, Quick Grip Bar- Positive rocking action to hold work tight, quick release trigger let go in a snap, high-tech resin construction is strong yet lightweight, instantly always the let go in a snap, high-tech resin construction is strong yet lightweight, instantly opening size: 6", 12", 18", 24" and 36". Clamp, Welding - Piler type, vise gip, alloy steel, toggle action and positive lock, Ushaped jaws, release lever in handle, jaw width 2 3/4", length 9", jaws adjustable to 1 5/8". E 69 Metals Cleaners-Tip, oxyacetylene welding Cleaning Gun Nozzie- Used for cleaning engines, machines and small parts; to operate Cleaning Gun Nozzie- Used for cleaning engines, machines and small parts; to operate Cleaning Gun Nozzie- Used for cleaning engines, machines and small parts; to operate General Cleaning Gun Nozzie- Used for cleaning engines, machines and small parts; to operate General Cleaning Gun Nozzie- Used for cleaning engines, machines and small parts; to operate General Cleaning Gun Nozzie- Used for cleaning engines, machines and small parts; to operate General Cleaning Gun Nozzie- Used for cleaning engines, machines and small parts; to operate General Cleaning assembly, moving parts, immersed in dampening liquid in sealed plastic container. Percent and Topographic scales to read to 150%, 200° at 66° baseline with leather carrying case. Combination Part and Topographic scales to read to 150%, 200° at 66° baseline with leather carrying case. Combination Square, 12"- Grooved steel blade graduated in eight, sixteenths and thirty seconds on both sides; cast fron head with machined faces and one level glass 30 15 E 74 General Computer Cart-With casters, includes surge protector, electrical outlets, adjustable shelves E 75 General Computer Printer, color Computer, pesktop or Tower Configuration, IBM compatible or Macintosh 14 1 E 78 Masonry Concrete Finishing Higher Stailers St | Е | GE | Wood | | 0 | 4 |
| E 67 Wood handles protected by heavy steel ferrules C C C C C C C C C | <u> </u> | 00 | vvoou | | 0 | 4 |
| E 67 Wood Size protected by Park y Steel terrules and services and services are supported to the steel by the | Е | 66 | Wood | | 8 | 4 |
| Let go in a snap, high-tech resin construction is strong yet lightweight, instantly adjustable camping pressure, large, pliable pads won't mar work. Complete set- jaw opening size: 6", 12", 18", 24" and 36". E 68 | | | | | | |
| adjustable clamping pressure, large, pliable pads won't mar work. Complete set- jaw opening size: 6", 12", 18", 24" and 36". E 68 Metals Clamp, Welding - Piler type, vise grip, alloy steel, toggle action and positive lock, U-shaped jaws, release lever in handle, jaw width 2 3/4", length 9", jaws adjustable to 1 shaped jaws, release lever in handle, jaw width 2 3/4", length 9", jaws adjustable to 1 shaped jaws, release lever in handle, jaw width 2 3/4", length 9", jaws adjustable to 1 shaped jaws, release lever in handle, jaw width 2 3/4", length 9", jaws adjustable to 1 shaped jaws, release lever in handle, jaw width 2 3/4", length 9", jaws adjustable to 1 shaped jaws, release lever in handle, jaw width 2 3/4", length 9", jaws adjustable to 1 shaped jaws, release lever in handle, jaw width 2 3/4", length 9", jaws adjustable to 1 shaped jaws, release lever in handle, jaw width 2 3/4", length 9", jaws adjustable to 1 shaped jaws, release lever in handle, jaw width 2 3/4", length 9", jaws adjustable to 1 shaped jaws, release lever in handle, jaw width 2 3/4", length 9", jaws adjustable to 1 shaped jaws, release lever in handle, jaw width 2 3/4", length 9", jaws adjustable to 1 shaped jaws, release lever in handle, jaw width 2 3/4", length 9", jaws adjustable to 1 shaped jaws, release lever in handle, jaw width 2 3/4", length 9", jaws adjustable to 1 shaped jaws, release lever in handle, in handle, in the shaped jaws, release lever in handle, in handle, in the shaped jaws, release lever in handle, in the shaped jaws, release lever in handle, in the shaped jaws, release lever in handle, and can be shaped jaws, release lever in handle, in the shaped jaws, release lever in handle, in the shaped jaws, release graph and shaped jaws, release grap | | | | | | |
| pening size- 6", 12", 18", 24" and 36". Clamp, Welding - Piler type, vise grip, alloy steel, toggle action and positive lock, Ushaped Jaws, release lever in handle, jaw width 2 3/4", length 9", jaws adjustable to 1 5/8". E 69 Metals Cleaners- Tip, oxyacetylene welding Cleaning Gun Nozzle- Used for cleaning engines, machines and small parts; to operate from compressed air and capable of spraying most solvents, suction feet, 9" nozzle, 7" 1 0 6" hose, air consumption 4 1/2 cfm at 50 psi Clinometer- Housing of corrosion resistant lightweight metal, scale supported jeweled bearing assembly, moving parts, immersed in dampening liquid in sealed plastic container. Percent and Topographic scales to read to 150%, 20" at 66" baseline with leather carrying case. E 72 Wood 10 and 11/2" x No. 12 Combination Drill and Countersinks- For flathead wood screws, adjustable, 5 to each set consisting of one each of the following sizes: 3/4" x No. 8, 1" with cast consisting of one each of the following sizes: 3/4" x No. 8, 1" x N | Е | 67 | Wood | | 4 | 2 |
| Clamp, Welding - Plier type, vise grip, alloy steel, toggle action and positive lock, U-shaped jaws, release lever in handle, jaw width 2 3/4", length 9", jaws adjustable to 1 5/8". E 69 Metals Cleaners-Tip, oxyacetylene welding Cleaning Gun Nozzle- Used for cleaning engines, machines and small parts; to operate from compressed air and capable of spraying most solvents, suction feet, 9" nozzle, 7" 1 0 6" hose, air consumption 4 1/2 ofm at 50 psi Clionerser-Housing of corrosion resistant lightweight metal, scale supported jeweled bearing assembly, moving parts, immersed in dampening liquid in sealed plastic container. Percent and Topographic scales to read to 150%, 200" at 66" baseline with leather carrying case. Combination Drill and Countersinks- For flathead wood screws, adjustable, 5 to each set consisting of one each of the following sizes: 3/4" x No. 8, 1" x No. 8, 1 1/4" x No. 4 2 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 | | | | | | |
| S/8" Size | | | | | | |
| E 69 Metals Cleaners- Tip. oxyacetylene welding Cicaning Gun Nozzle- Used for cleaning engines, machines and small parts; to operate from compressed air and capable of spraying most solvents, suction feet, 9" nozzle, 7" 6" hose, air consumption 4 1/2 cfm at 50 psi Clinometer- Housing of corrosion resistant lightweight metal, scale supported jeweled bearing assembly, moving parts, immersed in dampening liquid in sealed plastic container. Percent and Topographic scales to read to 150%, 200° at 66° baseline with leather carrying case. E 72 Wood Sessiene with leather carrying case. Combination Drill and Countersinks- For flathead wood screws, adjustable, 5 to each set consisting of one each of the following sizes: 3/4" x No. 8, 1" x No. 8, 1 1/4" x No. 4 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | E | 68 | Metals | | 8 | 4 |
| E 70 Engines from compressed air and capable of spraying most solvents, suction feet, 9" nozzle, 7" 1 0 6" hose, air consumption 4 1/2 cfm at 50 psi | | | | | | |
| E 70 Engines from compressed air and capable of spraying most solvents, suction feet, 9" nozzle, 7" 1 0 6 6" hose, air consumption 4 1/2 cfm at 50 psi Clinometer- Housing of corrosion resistant lightweight metal, scale supported jeweled bearing assembly, moving parts, immersed in dampening liquid in sealed plastic container. Percent and Topographic scales to read to 150%, 200" at 66" baseline with leather carrying case. Combination Drill and Countersinks- For flathead wood screws, adjustable, 5 to each set consisting of one each of the following sizes: 3/4" x No. 8, 1 1/4" x No. 10 and 1 1/2" x No. 12 Combination Square, 12"- Grooved steel blade graduated in eight, sixteenths and thirty seconds on both sides; cast iron head with machined faces and one level glass E 74 General Computer Cart- With casters, includes surge protector, electrical outlets, adjustable shelves Computer Printer, color Computer Printer, color Concrete Finishing (metal) Float- made of very hard magnesium, equipped with smooth wood handle, 16" x 3 1/8" Concrete Finishing (metal) Float- made of very hard magnesium, equipped with smooth wood handle, 16" x 3 1/8" Concrete Finishing (mod) Float- Clear seasoned wood, 3/4" thick, 12" x 5", finished smooth and equipped with hardwood handle. Concrete Finishing Groover- Bronze Body 6" long and 4 1/2" wide, natural wood handle, bit to be 3/8" wide at top and 1/2" deep. E 80 Masonry Concrete Finishing Groover- Bronze Body 6" long and 4 1/2" wide, natural wood handle, bit to be 3/8" wide at top and 1/2" deep. Construction Level- 20X magnification, accurate within 0 to 1/4" at 75'. Complete with carrying case, plumb bob, tripod and rod, 25 fiberglass rod. E 81 ENR Construction Level- 20X magnification, accurate within 0 to 1/4" at 75'. Complete with carrying case, plumb bob, tripod and rod, 25 fiberglass rod. Contrete Key Puller- Tough steel hook, plastic handle, 8" long Countersink Brace- Used in wood to countersink for screw heads, square shank, 3/4" 1 1 2 3 | E | 69 | Metals | | 6 | 1 |
| E 71 ENR Clinometer- Housing of corrosion resistant lightweight metal, scale supported jeweled bearing assembly, moving parts, immersed in dampening liquid in sealed plastic container. Percent and Topographic scales to read to 150%, 200° at 66° baseline with leather carrying case. Combination Drill and Countersinks- For flathead wood screws, adjustable, 5 to each set consisting of one each of the following sizes: 3/4" x No. 8, 1" x No. 8, 1 1/4" x No. 4 2 10 and 1 1/2" x No. 12 Combination Square, 12"- Grooved steel blade graduated in eight, sixteenths and thirty seconds on both sides; cast iron head with machined faces and one level glass 30 15 | _ | 70 | Engines | | 4 | 0 |
| E 71 ENR Clinometer- Housing of corrosion resistant lightweight metal, scale supported jeweled bearing assembly, moving parts, immersed in dampening liquid in sealed plastic container. Percent and Topographic scales to read to 150%, 200° at 66° baseline with leather carrying case. Combination Drill and Countersinks- For flathead wood screws, adjustable, 5 to each set consisting of one each of the following sizes: 3/4" x No. 8, 1" x No. 8, 11/4" x No. 4 2 (2 (2 (2 (2 (2 (2 (2 (2 (2 (2 (2 (2 (| L L | 70 | Lilgines | | • | · · |
| E 71 ENR bearing assembly, moving parts, immersed in dampening liquid in sealed plastic container. Percent and Topographic scales to read to 150%, 200° at 66° baseline with leather carrying case. Combination Drill and Countersinks- For flathead wood screws, adjustable, 5 to each set consisting of one each of the following sizes: 3/4" x No. 8, 1" x No. 8, 1 1/4" x No. 4 2 10 and 1 1/2" x No. 12 E 73 Wood Combination Square, 12". Grooved steel blade graduated in eight, sixteenths and thirty seconds on both sides; cast iron head with machined faces and one level glass 30 15 E 74 General Computer Cart- With casters, includes surge protector, electrical outlets, adjustable shelves Computer Printer, color 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | | | | |
| container. Percent and to lopgraphic scales to fead to 150%, 200° at 66° baseline with leather carrying case. Combination Drill and Countersinks- For flathead wood screws, adjustable, 5 to each set consisting of one each of the following sizes: 3/4" x No. 8, 1" x No. 8, 1 1/4" x No. 4 2 10 and 1 1/2" x No. 12 Combination Square, 12"- Grooved steel blade graduated in eight, sixteenths and thirty seconds on both sides; cast iron head with machined faces and one level glass 30 15 E 74 General Computer Cart- With casters, includes surge protector, electrical outlets, adjustable shelves Computer Printer, color 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | _ | 74 | END | | | 4 |
| Combination Drill and Countersinks- For flathead wood screws, adjustable, 5 to each set consisting of one each of the following sizes: 3/4" x No. 8, 1" x No. 8, 11/4" x No. 4 2 10 and 1 1/2" x No. 12 Combination Square, 12"- Grooved steel blade graduated in eight, sixteenths and thirty seconds on both sides; cast iron head with machined faces and one level glass 30 15 E 74 General Computer Cart- With casters, includes surge protector, electrical outlets, adjustable shelves Computer Printer, color 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | E | 7 1 | EINK | container. Percent and Topographic scales to read to 150%, | 4 | 1 |
| E 72 Wood set consisting of one each of the following sizes: 3/4" x No. 8, 1" x No. 8, 1 1/4" x No. 4 10 and 1 1/2" x No. 12 E 73 Wood scorost on both sides; cast iron head with machined faces and one level glass 30 15 E 74 General Computer Cart- With casters, includes surge protector, electrical outlets, adjustable shelves 1 0 shelves 1 0 0 15 E 75 General Computer Printer, color 2 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | | | | |
| E 73 Wood seconds on both sides; cast iron head with machined faces and one level glass 30 15 E 74 General Computer Cart- With casters, includes surge protector, electrical outlets, adjustable shelves (Computer Printer, color 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | _ | 70 | 147 | | | |
| Combination Square, 12"- Grooved steel blade graduated in eight, sixteenths and thirty seconds on both sides; cast iron head with machined faces and one level glass E 74 General Computer Cart- With casters, includes surge protector, electrical outlets, adjustable shelves Computer Cart- With casters, includes surge protector, electrical outlets, adjustable shelves Computer Printer, color E 76 General Computer, Desktop or Tower Configuration, IBM compatible or MacIntosh E 77 Masonry Concrete Finishing (metal) Float- made of very hard magnesium, equipped with smooth wood handle, 16" x 3 1/8" Concrete Finishing (wood) Float- Clear seasoned wood, 3/4" thick, 12" x 5", finished smooth and equipped with hardwood handle. Concrete Finishing Edger- Stainless steel, rivet free, wood handle, "L" long, 3" wide, 3/8" lip Concrete Finishing Groover- Bronze Body 6" long and 4 1/2" wide, natural wood handle, bit to be 3/8" wide at top and 1/2" deep. E 80 Masonry Concrete Mixer E 81 Masonry Concrete Mixer E 82 Electricity Conduit Bender- (EMT), One each of 1/2" and 3/4" E 83 Electricity Conduit Bender- Offset, One each of 1/2" and 3/4" E 84 ENR Construction Level- 20X magnification, accurate within 0 to 1/4" at 75'. Complete with carrying case, plumb bob, tripod and rod, 25' fiberglass rod. E 85 ENR Construction Farm Level, wicase, tripod E 86 Wood Contersink Brace- Used in wood to countersink for screw heads, square shank, 3/4" E 87 General Cotter Key Puller- Tough steel hook, plastic handle, 8" long Countersink Brace- Used in wood to countersink for screw heads, square shank, 3/4" 6 1 F 89 Wood Countersink, Machine, 3/8" Shank - High speed steel, 82 degree angle, 3/8" shank, 3/4" 50 Countersink, Machine, 3/8" Shank - High speed steel, 82 degree angle, 3/8" shank, 3/4" 6 1 | E | 72 | Wood | | 4 | 2 |
| E 73 Wood seconds on both sides; cast iron head with machined faces and one level glass 30 15 E 74 General Computer Cart- With casters, includes surge protector, electrical outlets, adjustable shelves 1 0 shelves 1 0 0 E 75 General Computer Printer, color 3 0 0 E 76 General Computer, Desktop or Tower Configuration, IBM compatible or MacIntosh 14 1 1 E 77 Masonry Concrete Finishing (metal) Float- made of very hard magnesium, equipped with smooth wood handle, 16" x 3 1/8" | | | | | | |
| E 74 General Computer Cart- With casters, includes surge protector, electrical outlets, adjustable shelves E 75 General Computer, Desktop or Tower Configuration, IBM compatible or MacIntosh E 76 General Computer, Desktop or Tower Configuration, IBM compatible or MacIntosh Concrete Finishing (metal) Float- made of very hard magnesium, equipped with smooth wood handle, 16" x 3 1/8" E 78 Masonry Concrete Finishing (wood) Float- Clear seasoned wood, 3/4" thick, 12" x 5", finished smooth and equipped with hardwood handle. Concrete Finishing Edger- Stainless steel, rivet free, wood handle, "L" long, 3" wide, 3/8" lip Concrete Finishing Groover- Bronze Body 6" long and 4 1/2" wide, natural wood handle, bit to be 3/8" wide at top and 1/2" deep. E 80 Masonry Concrete Mixer E 81 Masonry Concrete Mixer Conduit Bender- (EMT), One each of 1/2" and 3/4" E 83 Electricity Conduit Bender- Offset, One each of 1/2" and 3/4" E NR Construction Level- 20X magnification, accurate within 0 to 1/4" at 75'. Complete with arranging case, plumb bob, tripod and rod, 25' fiberglass rod. E 86 Wood Coping Saw, 6 3/8" - Spring steel frame, hardwood handle complete with 6 3/8" blade E 87 General Cotter Key Puller- Tough steel hook, plastic handle, 8" long Countersink, Machine, 3/8" Shank - High speed steel, 82 degree angle, 3/8" shank, 3/4" 6 1 | Е | 73 | Wood | | 30 | 15 |
| E 75 General Computer Printer, color E 76 General Computer, Desktop or Tower Configuration, IBM compatible or MacIntosh E 77 Masonry Concrete Finishing (metal) Float- made of very hard magnesium, equipped with smooth wood handle, 16" x 3 1/8" E 78 Masonry Concrete Finishing (wood) Float- Clear seasoned wood, 3/4" thick, 12" x 5", finished smooth and equipped with hardwood handle. E 79 Masonry Concrete Finishing Edger- Stainless steel, rivet free, wood handle, "L" long, 3" wide, 3/8" lip Concrete Finishing Groover- Bronze Body 6" long and 4 1/2" wide, natural wood handle, bit to be 3/8" wide at top and 1/2" deep. E 81 Masonry Concrete Mixer 1 0 E 82 Electricity Conduit Bender- (EMT), One each of 1/2" and 3/4" 1 0 E 83 Electricity Conduit Bender- Offset, One each of 1/2" and 3/4" 1 0 E 84 ENR Construction Level- 20X magnification, accurate within 0 to 1/4" at 75". Complete with carrying case, plumb bob, tripod and rod, 25" fiberglass rod. E 86 Wood Coping Saw, 6 3/8" - Spring steel frame, hardwood handle complete with 6 3/8" blade 4 1 E 87 General Cotter Key Puller- Tough steel hook, plastic handle, 8" long Countersink Brace- Used in wood to countersink for screw heads, square shank, 3/4" 5 12 | _ | . • | | grace | | |
| E 75 General Computer Printer, color E 76 General Computer, Desktop or Tower Configuration, IBM compatible or MacIntosh E 77 Masonry Concrete Finishing (metal) Float- made of very hard magnesium, equipped with smooth wood handle, 16" x 3 1/8" E 78 Masonry Concrete Finishing (wood) Float- Clear seasoned wood, 3/4" thick, 12" x 5", finished smooth and equipped with hardwood handle. Concrete Finishing Edger- Stainless steel, rivet free, wood handle, "L" long, 3" wide, 3/8" lip Concrete Finishing Groover- Bronze Body 6" long and 4 1/2" wide, natural wood handle, bit to be 3/8" wide at top and 1/2" deep. E 80 Masonry Concrete Mixer E 81 Masonry Concrete Mixer E 82 Electricity Conduit Bender- (EMT), One each of 1/2" and 3/4" E 83 Electricity Conduit Bender- (EMT), One each of 1/2" and 3/4" E 84 ENR Construction Level- 20X magnification, accurate within 0 to 1/4" at 75'. Complete with carrying case, plumb bob, tripod and rod, 25' fiberglass rod. E 85 ENR Construction/Farm Level, w/case, tripod Coping Saw, 6 3/8" - Spring steel frame, hardwood handle complete with 6 3/8" blade E 87 General Cotter Key Puller- Tough steel hook, plastic handle, 8" long Countersink Brace- Used in wood to countersink for screw heads, square shank, 3/4" Size Countersink, Machine, 3/8" Shank - High speed steel, 82 degree angle, 3/8" shank, 3/4" 1 1 2 2 1 3 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | _ | 7/ | Conoral | Computer Cart- With casters, includes surge protector, electrical outlets, adjustable | 4 | 0 |
| E 76 General Computer, Desktop or Tower Configuration, IBM compatible or MacIntosh E 77 Masonry Concrete Finishing (metal) Float- made of very hard magnesium, equipped with smooth wood handle, 16" x 3 1/8" E 78 Masonry Concrete Finishing (wood) Float- Clear seasoned wood, 3/4" thick, 12" x 5", finished smooth and equipped with hardwood handle. Concrete Finishing Edger- Stainless steel, rivet free, wood handle, "L" long, 3" wide, 3/8" lip Concrete Finishing Groover- Bronze Body 6" long and 4 1/2" wide, natural wood handle, bit to be 3/8" wide at top and 1/2" deep. E 81 Masonry Concrete Mixer 1 0 E 82 Electricity Conduit Bender- (EMT), One each of 1/2" and 3/4" 1 0 E 83 Electricity Conduit Bender- Offset, One each of 1/2" and 3/4" 1 0 E 84 ENR Construction Level- 20X magnification, accurate within 0 to 1/4" at 75'. Complete with carrying case, plumb bob, tripod and rod, 25' fiberglass rod. E 85 ENR Construction/Farm Level, w/case, tripod 4 1 E 86 Wood Coping Saw, 6 3/8" - Spring steel frame, hardwood handle complete with 6 3/8" blade 4 1 E 87 General Cotter Key Puller- Tough steel hook, plastic handle, 8" long Countersink Brace- Used in wood to countersink for screw heads, square shank, 3/4" 6 1 E 89 Wood Countersink Brace- Used in wood to countersink for screw heads, square shank, 3/4" 6 1 | | | | | | |
| E 77 Masonry Concrete Finishing (metal) Float- made of very hard magnesium, equipped with smooth wood handle, 16" x 3 1/8" E 78 Masonry Concrete Finishing (wood) Float- Clear seasoned wood, 3/4" thick, 12" x 5", finished smooth and equipped with hardwood handle. E 79 Masonry Concrete Finishing Edger- Stainless steel, rivet free, wood handle, "L" long, 3" wide, 3/8" lip E 80 Masonry Concrete Finishing Groover- Bronze Body 6" long and 4 1/2" wide, natural wood handle, bit to be 3/8" wide at top and 1/2" deep. E 81 Masonry Concrete Mixer 1 0 E 82 Electricity Conduit Bender- (EMT), One each of 1/2" and 3/4" 1 0 E 83 Electricity Conduit Bender- Offset, One each of 1/2" and 3/4" 1 0 E 84 ENR Construction Level- 20X magnification, accurate within 0 to 1/4" at 75'. Complete with carrying case, plumb bob, tripod and rod, 25' fiberglass rod. E 85 ENR Construction/Farm Level, w/case, tripod 4 1 E 86 Wood Coping Saw, 6 3/8" - Spring steel frame, hardwood handle complete with 6 3/8" blade 4 1 E 87 General Cotter Key Puller- Tough steel hook, plastic handle, 8" long 2 0 Countersink Brace- Used in wood to countersink for screw heads, square shank, 3/4" 6 1 E 89 Wood Countersink, Machine, 3/8" Shank - High speed steel, 82 degree angle, 3/8" shank, 3/4" 3 1 | | | | | | |
| E 77 Masonry wood handle, 16" x 3 1/8" E 78 Masonry Concrete Finishing (wood) Float- Clear seasoned wood, 3/4" thick, 12" x 5", finished smooth and equipped with hardwood handle. E 79 Masonry Concrete Finishing Edger- Stainless steel, rivet free, wood handle, "L" long, 3" wide, 3/8" lip E 80 Masonry Concrete Finishing Groover- Bronze Body 6" long and 4 1/2" wide, natural wood handle, bit to be 3/8" wide at top and 1/2" deep. E 81 Masonry Concrete Mixer E 82 Electricity Conduit Bender- (EMT), One each of 1/2" and 3/4" E 83 Electricity Conduit Bender- Offset, One each of 1/2" and 3/4" E 84 ENR Construction Level- 20X magnification, accurate within 0 to 1/4" at 75'. Complete with carrying case, plumb bob, tripod and rod, 25' fiberglass rod. E 85 ENR Construction/Farm Level, w/case, tripod E 86 Wood Coping Saw, 6 3/8" - Spring steel frame, hardwood handle complete with 6 3/8" blade E 87 General Cotter Key Puller- Tough steel hook, plastic handle, 8" long E 88 Wood Countersink Brace- Used in wood to countersink for screw heads, square shank, 3/4" size Countersink, Machine, 3/8" Shank - High speed steel, 82 degree angle, 3/8" shank, 3/4" 3 | E | 76 | General | | 14 | 1 |
| E 78 Masonry Concrete Finishing (wood) Float- Clear seasoned wood, 3/4" thick, 12" x 5", finished smooth and equipped with hardwood handle. E 79 Masonry Concrete Finishing Edger- Stainless steel, rivet free, wood handle, "L" long, 3" wide, 3/8" lip E 80 Masonry Concrete Finishing Groover- Bronze Body 6" long and 4 1/2" wide, natural wood handle, bit to be 3/8" wide at top and 1/2" deep. E 81 Masonry Concrete Mixer E 82 Electricity Conduit Bender- (EMT), One each of 1/2" and 3/4" E 83 Electricity Conduit Bender- Offset, One each of 1/2" and 3/4" E 84 ENR Construction Level- 20X magnification, accurate within 0 to 1/4" at 75'. Complete with carrying case, plumb bob, tripod and rod, 25' fiberglass rod. E 85 ENR Construction/Farm Level, w/case, tripod E 86 Wood Coping Saw, 6 3/8" - Spring steel frame, hardwood handle complete with 6 3/8" blade E 87 General Cotter Key Puller- Tough steel hook, plastic handle, 8" long Countersink Brace- Used in wood to countersink for screw heads, square shank, 3/4" size Countersink, Machine, 3/8" Shank - High speed steel, 82 degree angle, 3/8" shank, 3/4" 3 | Е | 77 | Masonry | | 2 | 1 |
| E 79 Masonry Smooth and equipped with hardwood handle. E 79 Masonry Si lip Concrete Finishing Edger- Stainless steel, rivet free, wood handle, "L" long, 3" wide, 3/8" lip Concrete Finishing Groover- Bronze Body 6" long and 4 1/2" wide, natural wood handle, bit to be 3/8" wide at top and 1/2" deep. E 81 Masonry Concrete Mixer 1 0 E 82 Electricity Conduit Bender- (EMT), One each of 1/2" and 3/4" 1 0 E 83 Electricity Conduit Bender- Offset, One each of 1/2" and 3/4" 1 0 E 84 ENR Construction Level- 20X magnification, accurate within 0 to 1/4" at 75'. Complete with carrying case, plumb bob, tripod and rod, 25' fiberglass rod. E 85 ENR Construction/Farm Level, w/case, tripod 4 1 E 86 Wood Coping Saw, 6 3/8" - Spring steel frame, hardwood handle complete with 6 3/8" blade 4 1 E 87 General Cotter Key Puller- Tough steel hook, plastic handle, 8" long 2 0 Countersink Brace- Used in wood to countersink for screw heads, square shank, 3/4" size Countersink, Machine, 3/8" Shank - High speed steel, 82 degree angle, 3/8" shank, 3/4" 3 1 | _ | _ | | | | |
| E 79 Masonry Concrete Finishing Edger- Stainless steel, rivet free, wood handle, "L" long, 3" wide, 3/8" lip E 80 Masonry Concrete Finishing Groover- Bronze Body 6" long and 4 1/2" wide, natural wood handle, bit to be 3/8" wide at top and 1/2" deep. E 81 Masonry Concrete Mixer 1 0 E 82 Electricity Conduit Bender- (EMT), One each of 1/2" and 3/4" 1 0 E 83 Electricity Conduit Bender- Offset, One each of 1/2" and 3/4" 1 0 E 84 ENR Construction Level- 20X magnification, accurate within 0 to 1/4" at 75'. Complete with carrying case, plumb bob, tripod and rod, 25' fiberglass rod. E 85 ENR Construction/Farm Level, w/case, tripod 4 1 E 86 Wood Coping Saw, 6 3/8" - Spring steel frame, hardwood handle complete with 6 3/8" blade 4 1 E 87 General Cotter Key Puller- Tough steel hook, plastic handle, 8" long 2 0 Countersink Brace- Used in wood to countersink for screw heads, square shank, 3/4" size Countersink, Machine, 3/8" Shank - High speed steel, 82 degree angle, 3/8" shank, 3/4" 3 1 | E | 78 | Masonry | | 2 | 1 |
| E 80 Masonry Concrete Finishing Groover- Bronze Body 6" long and 4 1/2" wide, natural wood handle, bit to be 3/8" wide at top and 1/2" deep. E 81 Masonry Concrete Mixer E 82 Electricity Conduit Bender- (EMT), One each of 1/2" and 3/4" E 83 Electricity Conduit Bender- Offset, One each of 1/2" and 3/4" E 84 ENR Construction Level- 20X magnification, accurate within 0 to 1/4" at 75'. Complete with carrying case, plumb bob, tripod and rod, 25' fiberglass rod. E 85 ENR Construction/Farm Level, w/case, tripod E 86 Wood Coping Saw, 6 3/8" - Spring steel frame, hardwood handle complete with 6 3/8" blade E 87 General Cotter Key Puller- Tough steel hook, plastic handle, 8" long Countersink Brace- Used in wood to countersink for screw heads, square shank, 3/4" E 89 Wood Countersink, Machine, 3/8" Shank - High speed steel, 82 degree angle, 3/8" shank, 3/4" 3 1 | Е | 70 | Masanni | | 4 | 4 |
| E 80 Masonry handle, bit to be 3/8" wide at top and 1/2" deep. E 81 Masonry Concrete Mixer E 82 Electricity Conduit Bender- (EMT), One each of 1/2" and 3/4" E 83 Electricity Conduit Bender- Offset, One each of 1/2" and 3/4" E 84 ENR Construction Level- 20X magnification, accurate within 0 to 1/4" at 75'. Complete with carrying case, plumb bob, tripod and rod, 25' fiberglass rod. E 85 ENR Construction/Farm Level, w/case, tripod E 86 Wood Coping Saw, 6 3/8" - Spring steel frame, hardwood handle complete with 6 3/8" blade E 87 General Cotter Key Puller- Tough steel hook, plastic handle, 8" long E 88 Wood Countersink Brace- Used in wood to countersink for screw heads, square shank, 3/4" E 89 Wood Countersink, Machine, 3/8" Shank - High speed steel, 82 degree angle, 3/8" shank, 3/4" 1 0 1 1 1 0 1 1 1 0 1 1 2 0 4 1 5 2 0 Countersink Brace- Used in wood to countersink for screw heads, square shank, 3/4" 6 1 E 89 Wood Countersink, Machine, 3/8" Shank - High speed steel, 82 degree angle, 3/8" shank, 3/4" 1 1 | | 19 | iviasoriiy | | 4 | ' |
| E 81 Masonry Concrete Mixer E 82 Electricity Conduit Bender- (EMT), One each of 1/2" and 3/4" E 83 Electricity Conduit Bender- Offset, One each of 1/2" and 3/4" E 84 ENR Construction Level- 20X magnification, accurate within 0 to 1/4" at 75'. Complete with carrying case, plumb bob, tripod and rod, 25' fiberglass rod. E 85 ENR Construction/Farm Level, w/case, tripod E 86 Wood Coping Saw, 6 3/8" - Spring steel frame, hardwood handle complete with 6 3/8" blade E 87 General Cotter Key Puller- Tough steel hook, plastic handle, 8" long E 88 Wood Countersink Brace- Used in wood to countersink for screw heads, square shank, 3/4" E 89 Wood Countersink, Machine, 3/8" Shank - High speed steel, 82 degree angle, 3/8" shank, 3/4" 1 0 1 1 1 1 1 2 1 1 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 3 1 1 1 1 | F | 80 | Masonry | | 1 | 1 |
| E 82 Electricity Conduit Bender- (EMT), One each of 1/2" and 3/4" E 83 Electricity Conduit Bender- Offset, One each of 1/2" and 3/4" E 84 ENR Construction Level- 20X magnification, accurate within 0 to 1/4" at 75'. Complete with carrying case, plumb bob, tripod and rod, 25' fiberglass rod. E 85 ENR Construction/Farm Level, w/case, tripod E 86 Wood Coping Saw, 6 3/8" - Spring steel frame, hardwood handle complete with 6 3/8" blade E 87 General Cotter Key Puller- Tough steel hook, plastic handle, 8" long E 88 Wood Countersink Brace- Used in wood to countersink for screw heads, square shank, 3/4" E 89 Wood Countersink, Machine, 3/8" Shank - High speed steel, 82 degree angle, 3/8" shank, 3/4" 1 0 1 0 1 1 1 0 1 0 1 1 1 1 1 | | | - | · | 4 | |
| E 83 Electricity Conduit Bender- Offset, One each of 1/2" and 3/4" E 84 ENR Construction Level- 20X magnification, accurate within 0 to 1/4" at 75'. Complete with carrying case, plumb bob, tripod and rod, 25' fiberglass rod. E 85 ENR Construction/Farm Level, w/case, tripod E 86 Wood Coping Saw, 6 3/8" - Spring steel frame, hardwood handle complete with 6 3/8" blade E 87 General Cotter Key Puller- Tough steel hook, plastic handle, 8" long E 88 Wood Countersink Brace- Used in wood to countersink for screw heads, square shank, 3/4" E 89 Wood Countersink, Machine, 3/8" Shank - High speed steel, 82 degree angle, 3/8" shank, 3/4" 1 0 1 1 1 0 1 1 1 1 1 1 1 1 1 | | | • | | | |
| E 84 ENR Construction Level- 20X magnification, accurate within 0 to 1/4" at 75'. Complete with carrying case, plumb bob, tripod and rod, 25' fiberglass rod. E 85 ENR Construction/Farm Level, w/case, tripod E 86 Wood Coping Saw, 6 3/8" - Spring steel frame, hardwood handle complete with 6 3/8" blade E 87 General Cotter Key Puller- Tough steel hook, plastic handle, 8" long E 88 Wood Countersink Brace- Used in wood to countersink for screw heads, square shank, 3/4" E 89 Wood Countersink, Machine, 3/8" Shank - High speed steel, 82 degree angle, 3/8" shank, 3/4" 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | | | _ |
| E 84 ENR carrying case, plumb bob, tripod and rod, 25' fiberglass rod. E 85 ENR Construction/Farm Level, w/case, tripod E 86 Wood Coping Saw, 6 3/8" - Spring steel frame, hardwood handle complete with 6 3/8" blade E 87 General Cotter Key Puller- Tough steel hook, plastic handle, 8" long E 88 Wood Countersink Brace- Used in wood to countersink for screw heads, square shank, 3/4" E 89 Wood Countersink, Machine, 3/8" Shank - High speed steel, 82 degree angle, 3/8" shank, 3/4" 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | | | - |
| E 85 ENR Construction/Farm Level, w/case, tripod E 86 Wood Coping Saw, 6 3/8" - Spring steel frame, hardwood handle complete with 6 3/8" blade E 87 General Cotter Key Puller- Tough steel hook, plastic handle, 8" long E 88 Wood Countersink Brace- Used in wood to countersink for screw heads, square shank, 3/4" E 89 Wood Countersink, Machine, 3/8" Shank - High speed steel, 82 degree angle, 3/8" shank, 3/4" 1 1 | E | 84 | ENR | , | 1 | 1 |
| E 86 Wood | Е | 85 | ENR | | 4 | 1 |
| E 87 General Cotter Key Puller- Tough steel hook, plastic handle, 8" long E 88 Wood Countersink Brace- Used in wood to countersink for screw heads, square shank, 3/4" 6 1 E 89 Wood Countersink, Machine, 3/8" Shank - High speed steel, 82 degree angle, 3/8" shank, 3/4" 3 1 | Е | 86 | Wood | Coping Saw, 6 3/8" - Spring steel frame, hardwood handle complete with 6 3/8" blade | 4 | 1 |
| E 88 Wood Countersink Brace- Used in wood to countersink for screw heads, square shank, 3/4" 6 1 E 89 Wood Countersink, Machine, 3/8" Shank - High speed steel, 82 degree angle, 3/8" shank, 3/4" 3 1 | | | | Cotton Koy Dullar, Toyah ataal baak mlaatia barrilla Oli barri | | |
| size Solution Size Solution Size Solution | | 8/ | General | | 2 | U |
| E 89 Wood Countersink, Machine, 3/8" Shank - High speed steel, 82 degree angle, 3/8" shank, 3/4" 3 | Е | 88 | Wood | | 6 | 1 |
| 1 F 89 WOOD | _ | 00 | 144 : | | | _ |
| <u>. </u> | E | 89 | VVood | cutting edge | 3 | 1 |

| t / | e | rea | Ag Mechanics Equipment List | Recommended | *= |
|-------------|-------------|------------------------|---|-------------|----------------------------|
| Equipment / | Item Number | Technical Area | Item Description | eu | Industry Certification* |
| ipu | Ž | يَ | E=Equipment (life expectancy 5 or more years) | E | dus |
| nb: | eш | chr | C= Consumble (life expectancy less than 5 years) | 5 | erië |
| шö | ÷ | Te | *Contact Region Agricultural Education office for Industry Certification | & | Ö |
| | | | Crane, Portable Shop- Hydraulically operated, 1/2 ton capacity with boom extended | | |
| E | 90 | General | 41", wide stabilized base with roller bearing front wheels and swivel ball bearing rear | 1 | 0 |
| _ | 00 | Conorai | casters, multiple boom length adjustments, removable pump handle, release from any | • | · · |
| _ | 04 | □14-i -i4 | position | _ | 4 |
| E E | 91 92 | Electricity General | Crimping/cutting tool, non-insulated/insulated conductors Disc, Angle Grinder- 4 1/2". Handle that mounts on either side. | 8 | 1 4 |
| | | General | Disc, Angle Grinder- 9" 2 H.P. minimum, 4600 RPM, no load speed, spindle lock, spiral | | 4 |
| E | 93 | General | bevel gears, ball and roller bearings. Handle that mounts on either side | 2 | 1 |
| | | | goard, same and some some some and the same and some some some | | |
| | | | Drawing Instruments- Professional grade contained in foam padded metal and to | | |
| _ | 04 | Conoral | consist of the following items: 1ea. Big bow combination, center wheel, compass 11" | 20 | 45 |
| E | 94 | General | maximum circle; 1 ea. Small bow pencil, center wheel, compass 5" maximum circle; 1 | 30 | 15 |
| | | | ea. Friction divider, 6" capacity; 1 ea. Square beam bar to fit big bow compass that | | |
| | | | will accept pen, pencil and technical pen attachments. *Required for landscape. | | |
| | | | Drawing Kit- 1 ea. 18" x 24" Drawing board; 1 ea. 24" T-square; 1 ea. 30 x 60 degrees | | |
| _ | 0.5 | | 10" Triangle; 45 degrees 8" Triangle; Architects Scale; 1 ea. Semicircular Protractor; | | |
| E | 95 | General | Irregular Curve; 3/4" 1 roll Drafting Tape; 2H + 4H pencil; 1 ea. Pink Eraser; 1 ea. 1" x | 30 | 15 |
| | | | 1" x 2" 1 Lettering Chart. *Required for landscape. | | |
| | | | Drawing Supply Cabinet- A special landscape drafting materials storage unit for class | | |
| | | | of 24. Heavy duty construction. Overall size 48" W x 22" D x 84" H. Includes: 24 | | |
| | | | drawing boards, 24 T-squares, 24 Pencil pointers, 24 Rolls drafting tape, 24 Bottles | | |
| E | 96 | General | black ink, 24 scales, 24 6" Bow compasses, 24 Metal erasing shields, 24 curves, 24 | 1 | 1 |
| | | | protractors, 24 10" 30-60 angles, 24 10" 45 angles, 24 gum erasers, 3 Lettering sets, | | |
| | | | 12 doz. 2H and 12 doz. 4H pencils. | | |
| | | | Drill Press Vise- Adjustable from 0 degrees to 90 degrees. Grooved steel jaws for | | |
| Ε | 97 | | holding round or tapered pieces, steel, adjustable support screws with slotted bolt | 2 | 1 |
| | | General | down base. | | |
| E | 98 | General | Drill press Vise, cross slide, 4" | 1 | 1 |
| | | | Drill Press, Variable Speed,15 "- Floor model, round steel column 2 3/4" OD (min) cast | | |
| E | 99 | General | iron base with slots, tilting table 10" to 14" (min) with slots. Ball bearing spindle with 6" | 2 | 1 |
| | | | stroke and provided with depth stop, capable of drilling to center of 15" diameter 0"-1/2" Jacobs chuck, variable speeds 475 to 4700 rpm, 1/2 hp. | | |
| Е | 100 | General | Drill Set- High speed twist, 1/16"- 1/2" | 4 | 1 |
| | | | Drill, Portable Electric Hammer-1/2" with steel carrying case. Heavy duty, pistol grip, | | <u> </u> |
| E | 101 | General | 1/2" chuck capacity, trigger speed control, two speed gear shift reversing | 1 | 1 |
| | | | Drill, Portable Electric, 1/2"- With piston grip, spade handle and pipe handle; ball and | | |
| Е | 102 | General | needle bearings; reversible; 450 RPM; 1/2" heavy duty geared chuck; 115 bolt | 2 | 1 |
| | | | AC/DC; complete with cord and plug; double insulated | | |
| | | | Drill, Portable Electric, 3/8"- Pistol grip handle, balland roller bearings, variable speed | | |
| E | 103 | General | from 0 to 1000 RPM, reversible, 3/8" Jacobs chuck, 115 volt AC, complete with cord | 8 | 4 |
| | | | and plug; double insulated | | |
| Е | 104 | General | Drill, Portable Electric/Cordless- Heavy duty, 550 RPM no load speed, 3/8" chuck, | 4 | 4 |
| | | | variable speed, reversible. Drills Set, Carbon Steel - High speed steel, straight shank, jobbers length, fractional | | |
| E | 105 | General | sizes from 1/16" to 1/4" by 32nds | 4 | 1 |
| | | | Drills, Spur Machine - Designed for use in power-feed wood boring machines and in | | |
| Е | 106 | Wood | portable electric drills using 1/2" round shank drills, 1/2" x 2" shank, 4" twist length, 12 | 1 | 0 |
| _ | .00 | | pcs. to set in sizes 1/4" to 1" by 16ths | • | v |
| Е | 107 | Metals | Drills, Wire Gauge Sizes- Wire gauge sizes from No. 1 to 60 | 4 | 1 |
| Е | 108 | General | Drivers, Hex Nut - Tempered sockets, chrome finished, 3" shaft length, plastic color | | |
| | ΙŪδ | General | coded handles, drivers to set in metric sizes | 1 | 1 |
| Е | 109 | General | Drivers, Hex Nut Set- tempered sockets, chrome finished, 3" shaft length, plastic color | 4 | 1 |
| _ | 108 | Gerierai | coded handles, nine drivers to set in sizes from 1/4" to 1/2". | 7 | • |
| | | | Drivers, Impact, 3/8"- Delivers rotary impact in either direction, set to consist of: Impact | | _ |
| Е | 110 | General | Driver, Hex sockets; Clutch head drivers; Phillips head driver;; Long head drivers; and | 1 | 1 |
| | | | straight screw driver. | | |

| t/ sle | er | Technical Area | Ag Mechanics Equipment List | Recommended | *_ |
|----------------------------|-------------|------------------|---|-------------|----------------------------|
| Equipment / Consumeable | ltem Number | ₹ | Item Description | enc | Industry Certification* |
| | Ν̈́ | ica | E=Equipment (life expectancy 5 or more years) | Ē | lus |
| ns us | E | Ę | C= Consumble (life expectancy 5 of more years) | Ö | 를 를 |
| ပ္သ | Ite | ြို | *Contact Region Agricultural Education office for Industry Certification | Sec | ပိ |
| | | | Dual Non-Metallic Cable Stripper/Cutter Combination Wiring Tool- Strips, cuts, bends | ш. | |
| | | | and pulls electrical wire.12/2 and 14/2 stripping slots quickly remove outer jacket of | | |
| Е | 111 | | Type NM-B sheathed cable. Stripping holes easily remove insulation on 12 and 14 AWG | 30 | 15 |
| _ | 111 | | lead wire. Wire-looping, bending and screw-shearing holes, insulated grips. | 30 | 13 |
| | | Electricity | liead wife. Wife-looping, bending and screw-shearing holes, insulated grips. | | |
| | | Liectricity | Electric Extension Cord- Heavy duty, three conductor, single outlet, No. 12 wire, Type | | |
| Е | 112 | General | JFT, 125 volts, 15 amp., 50 ft. and/or 100 ft. long, complete with male and female | 4 | 1 |
| _ | | Contrai | plugs, GFCI protected | • | • |
| | | | Electric Extension Cords, 50 Ft All vinyl, molded on plug and single outlet connector, | | |
| Е | 113 | General | flat parallel blades, wired with 3 AWG 12 copper conductors | 2 | 1 |
| Е | 114 | Electricity | Electric Motor- 1/2 hp, split phase | 4 | 0 |
| E | 115 | Electricity | Electric Motor- 1/3 - 1/2 hp, capacitator start | 4 | 1 |
| _ | | | Electrician's Tool Holster- Tape holder, knife clip, saddle leather with natural cowhide | | - |
| E | 116 | Electricity | finish, brass rivets, pliable belt slots complete with saddle leather belt and metal buckle | 30 | 15 |
| _ | 4.4= | E 1 | Electrician's Wire Strippers, Strips 10-20 gauge wire | | |
| Ε | 117 | Electricity | Spring-action motion helps increase leverage and reduces hand fatigue | 4 | 1 |
| | | | Electronic Tachometer- For use on magneto, battery or solid state ignition systems, | | |
| Ε | 118 | Engines | measure 0-10,000 rpm. Meter displays rpm while running, when engine is stopped, | 8 | 4 |
| | | | meter displays elasped time.(TinyTach) | | |
| | | | Emergency Eye Wash Station- Flash flood, lightweight unit, can be hung anywhere in | | |
| Ε | 119 | General | shops, no plumbing required. Completely self contained, includes one gallon container | 2 | 1 |
| | | | of special solution | | |
| Е | 120 | Engines | Engine - Gasoline, two-stroke-cycle | 1 | 0 |
| Е | 121 | Engines | Engine Compression Leakdown Tester- Used to test the sealing capabilities of the | 4 | 1 |
| | 121 | Engines | compression components of all engines. Comes with crankshaft clamp. | 4 | |
| Е | 122 | Engines | Engine- Gasoline, four-stroke-cycle, Overhead Cam | 30 | 4 |
| Е | 123 | Engines | Engine- Gasoline, four-stroke-cycle, Overhead Valve | 30 | 15 |
| | | | Engine Stand, Universal- Twin-post design, to handle engines up to 2000 lbs. with | | |
| Е | 124 | Engines | standard attachments, 6 to 1 gear ratio to turn the engine in a 360 degree radius and | 1 | 0 |
| | | | stop in any position, equipped with heavy floor casters | | |
| Е | 125 | General | Expansion Bit- Solid head, positive adjustment, 9 1/2" length 2 interchangeable | 1 | 0 |
| | 120 | Contrai | hardened tool steel cutters, 7/8" to 3" diam. range of holes. | • | |
| | | _ | Extractors, Screw and Bolt - Spiral left-hand thread type, square shank for turning. Set | | |
| Е | 126 | General | to remove broken screws and bolts from 3/16" to 3/4" and to consist of one each Nos. | 1 | 1 |
| _ | 407 | | 1, 2, 3, 4, and 5. | | |
| Ē | 127 | General | File Cabinet- Metal four drawers, letter size with lock. | 2 | 1 |
| E | 128 | Metals | File Card and Brush- Brush one side. card other side, 1 1/2" X 5" | 2 | 1 |
| E | 129 | Metals | File Handle- Softwood, brass ferrule, various sizes | 2 | 0 |
| E | 130 | Metals Metals | File, High Quality Triangular Taper, 6" | 4 | 1 |
| E | 131 | ivietais | File, Mill Bastard, 10" File, Thread- Used for restoring damaged threads, plastic covered handle, blade 5" | 8 | 2 |
| Е | 132 | Metals | long and about 1/8" thick | 2 | 1 |
| Е | 133 | General | Fire Extinguishers- Type A, B, C, industrial type, rechargeable | 4 | 1 |
| | 100 | Conciai | First Aid Kit- Industrial type, for use by up to 30 people, to contain the items which | 7 | |
| Е | 134 | General | comply with State School Standards. *One for lab, and one for the classroom. | 4 | 1 |
| _ | 107 | Contoral | The following the state of the | - | • |
| Е | 135 | General | Flexible Spout- 5 oz. oiler pump | 30 | 15 |
| Ē | 136 | Engines | Flywheel Holder Strap Wrench | 30 | 15 |
| Ē | 137 | Engines | Flywheel Puller - large, hole distance 2 - 13/16" | 30 | 15 |
| E | 138 | Engines | Flywheel Puller - medium, hole distance 2" | 30 | 15 |
| Е | 139 | Engines | Flywheel Puller - small, hole distance 1 5/8" | 30 | 15 |
| | | | Flywheel Puller, Small Engine type- Slide hammer type, for removing flywheels from | | |
| _ | 140 | | small engines. Adapter to have holes threaded 1/2" - 20 and 7/16" - 20 threads per | | _ |
| Е | 140 | Engines | inch and an unthreaded .510" hold for Briggs and Stratton shafts, also, adapter for | 1 | 0 |
| | | | outboard engines. | | |

| t / | er | rea | Ag Mechanics Equipment List | Recommended | *= |
|----------------------------|-------------|----------------|--|-------------|----------------------------|
| Equipment / Consumeable | Item Number | Technical Area | Item Description | enc | Industry Certification* |
| ipm um | Ž | ica | E=Equipment (life expectancy 5 or more years) | шu | dus |
| dui | ш | chr | C= Consumble (life expectancy less than 5 years) | cor | erti |
| S | 프 | _ L | *Contact Region Agricultural Education office for Industry Certification | Re | ŏ |
| | | | Framing Square, 24"- Blued steel, 24" x 2" body with 1/16" and 1/8" graduations on | | |
| Е | 141 | Wood | face and 1/16" graduations on back, 16" x 1 1/2" tongue with 1/16" and 1/8" graduations | 30 | 15 |
| _ | | 11000 | on face and 1/12" and 1/10" graduations on back, rafter tables, brace measure, octagon | | .0 |
| | | | scale, board measure and 100th scale | | |
| Е | 142 | Engines | Funnel - for adding oil/fuel/etc to small engines | 4 | 1 |
| Е | 143 | Engines | Gasoline Can, 2 1/2 Gallon- Safety type spout controlled by spring to hold cap closed tightly. Filtered pouring spout. Red with yellow precautionary lettering. | 2 | 1 |
| E | 144 | Engines | Gasoline Can, 5 Gallon Safety Type- Non flashback brass flame arrestor screen, red with yellow precautionary lettering | 1 | 1 |
| | | | Gauge, Screw & Wire- Screw gauge 0 to 30, wire gauge (English Std.) 17 to 0000, wire | | |
| Е | 145 | General | gauge (Am. Std.) 15 to 0000, spring tempered steel, 4 1/2" long, 1 7/16" wide, polished finish | 1 | 1 |
| E | 146 | Metals | Gauge, Screw Pitch- V American National and U.S. Standard 60 degree threads, 30 pitches from 6 to 60 threads per inch and 11 1/2 and 27 pipe thread pitches, positive stop | 1 | 1 |
| Е | 147 | Metals | Gauge, Sheet Metal- US Standard, range 0 to 36, hardened, satin finish | 2 | 1 |
| Ē | 148 | Engines | Gauge, Spark Plug | 4 | 4 |
| _ | | | Gauge, Steel Wire- American Steel and Wire Co., range 0 to 36, hardened, satin finish | | |
| Е | 149 | Metals | Gauge, Thickness- 25 leaves ranging from .0015 to .040 inches thick, leaves 1/2" wide | 1 | 1 |
| Е | 150 | Engines | and 3 1/16" long, locking device | 30 | 15 |
| Е | 151 | General | Gauge, Tire- For cars and light trucks, calibrated in 1 lb. units to 100 lbs., round head with button to depress valve core, 5 3/4" long | 1 | 1 |
| | | | Gauges, Small Hole- Adjustable to size, hardened contacts, accurate gauging by two | | |
| Е | 152 | Engines | point contact, safety stop, approximately 2" long, five to set, one each in the following | 1 | 0 |
| _ | 132 | Engines | ranges: .125" to .150", .150" to .200", .200" to .300", .300" to .400", and .400" to .500" | • | U |
| | | | | | |
| | | | Gauges, Telescoping- To consist of a handle on a fixed contact within which a contact | | |
| Ε | 153 | Engines | plunger telescopes under spring tension, contacts are locked by a turn of the knurled | 4 | 1 |
| _ | | gee | screw, five to set: 1/2" to 3/4" to 1 1/4", 1 1/4" to 2 1/8", 2 1/8" to 3 1/2" and 3 1/3" to 6" | • | • |
| E | 154 | Engines | Gear and Wheel Puller- Reversible jaws, up to 6", reach 3 1/4" | 1 | 0 |
| E | 155 | General | Generator, Portable- 8000 w, 120/240 volt output | 1 | 0 |
| E | 156 | General | Gloves, Chemical Resistant | 12 | 1 |
| | | | Gloves, Welding - Made of leather, with insulated liner, min. overall length 13" with wide | 30 | |
| E | 157 | Metals | cuff for protection | 30 | 30 |
| | 158 | General | Glue Gun- Heat-resistant plastic housing, handle, 110-120 volt, 60 cycle, AC, UL listed | 4 | 1 |
| _ | 450 | 0 | Goggles, Chemical Splash - Soft frame, single lens, stack strap vents, clear lens, | 40 | |
| Е | 159 | General | elastic headband. May be worn over glasses. Meets ANSI Spec Z87.1. | 12 | 1 |
| Е | 160 | General | Goggles, Safety, flexible mask, face shield | 8 | 4 |
| Е | 161 | Metals | Goggles, Welding - Rubber fixable frame, adjustable headband, ventilated, with 2" x 4 1/4" shade, No. 5 filter plate | 30 | 30 |
| | | | Grease Gun- Lever type, 10,000 PSI pressure, 14 oz. standard grease cartridge refill, | | |
| Е | 162 | General | built-in ball check, with hydraulic extension and 1/8" P.T. female hydraulic type coupler | 2 | 1 |
| | | | Grinder, Pedestal, 10"- Cast iron pedestal, 12" x 2" wheels, 1 1/4" diameter arbor, ball | | |
| E | 163 | Metals | bearings, 23" wheel center distance; complete with one 30 grit and one 46 grit wheel, | 1 | 1 |
| | | | tool rests, water pot, two tool trays and lighted type eye shields. | | |
| | | | Grinder, Pedestal, 12" - Cast iron pedestal, 12" x 2" wheels, 1 1/4" diameter arbor, ball | | |
| Е | 164 | Metals | bearing motor; Complete with one 30 grit wheel and one 46 grit wheel, tool rests, water | 1 | 0 |
| _ | | | pot, two tool trays and lighted eye shields; 3 hp TEFC motor, 1725 rpm, three phase. | • | v |
| | | | Crinder Dedected 7" Cost iron pedected 7" v 4" vibagle 5/0" diameter and an in- | | |
| | | | Grinder, Pedestal, 7" - Cast iron pedestal, 7" x 1" wheels, 5/8" diameter arbor, ball | | |
| Ε | 165 | Metals | bearing motor, Complete with one 60 grit wheel and one 36 grit wheel, tool rests, water pot, two tool trays and lighted eye shields; 1/2 hp TEFC motor, 3450 rpm, single phase | 1 | 0 |
| | | | 115 volts with magnetic controls. | | |
| Е | 166 | Metals | Grinding Wheel Dresser- Carbon steel cutters, 12" handle | 1 | 1 |
| _ | | | 1- Comment of the control of the con | • | • |

| t / | | Technical Area | Ag Mechanics Equipment List | Recommended | *= |
|----------------------------|-------------|----------------|--|-------------|----------------------------|
| Equipment / Consumeable | ltem Number | ₹ = | Item Description | enc | Industry Certification* |
| ud un | Ž | <u>ica</u> | E=Equipment (life expectancy 5 or more years) | шu | dus |
| qui | Ē | l ri | C= Consumble (life expectancy 5 of more years) | cor | lnc erti |
| ш 8 | 뀰 | Tec | *Contact Region Agricultural Education office for Industry Certification | Re | ŏ |
| _ | 407 | | Hacksaw, Adjustable - Nickel plated steel frame, adjustable for 8", 10", or 12" blades, | | |
| Е | 167 | Metals | plastic pistol grip handle, complete with one blade | 7 | 1 |
| Е | 168 | General | Hammer- Dead blow, one each 14 and 24 oz. | 15 | 4 |
| Е | 169 | | Hammer, Ball Peen- Set of 4, one each if approximate 12, 16, 24, and 48 oz.; drop | 4 | 1 |
| | | General | forged ally steel, polished face and peen, wood handle | | |
| Е | 170 | General | Hammer, Brass- Round brass head 1 1/2 lbs. in weight, wood handle | 2 | 0 |
| Е | 171 | Metals | Hammer, Chipping - Standard duty cone and chisel head brazed to spiral steel handle | 15 | 5 |
| Е | 172 | General | Hammer, Cross Peen, 2 lb High carbon steel, heat treated, wood handle 16" long, 2 lb. head | 2 | 1 |
| Е | 173 | Wood | Hammer, Curved Claw, 16 Oz. | 30 | 14 |
| Е | 174 | General | Hammer, Double Faced Sledge , 8 Lbs. | 1 | 1 |
| Е | 175 | Electricity | Hammer, Electrician's - Ripping claw bell head 4" long and 18 oz. in weight, fiberglass handle 14" long | 30 | 15 |
| Е | 176 | Wood | Hammer, Framing, 24 Oz. | 10 | 5 |
| E | 177 | Wood | Hammer, Ripping Claw, 16 Oz Drop forged head treated head, octagonal face, tubular steel chrome plated handle with rubber cushioned grip | 10 | 5 |
| Е | 178 | General | Hammer, Soft Face- One each 8 oz. and 16 oz., plastic replaceable tips, wood handle, head weight 16 oz. | 8 | 4 |
| Е | 179 | Metals | Hammer, Tinner's Riveting, 12 Oz Used in sheet metal work, polished head with "rimtempered" face, wood handle | 1 | 0 |
| Е | 180 | Wood | Hand Saw, Crosscut, 8 Pt Hardened and tempered steel blade, taper ground, wood handle, 8 points per inch, 26" blade | 8 | 4 |
| Е | 181 | General | Hand Truck | 1 | 0 |
| Е | 182 | General | Handheld Sharpener- Carbide tip with finger protector. | 6 | 0 |
| Е | 183 | General | Hearing Protectors- Liquid or foam filled, multi-position. Minimum NPR of 28. | 2 | 1 |
| Е | 184 | General | Heavy Duty Creeper- Hardwood construction or plastic, roll and pivot in all directions, padded headrest, four swivel type casters, 15 3/4" X 36" | 1 | 1 |
| Е | 185 | General | Heavy Duty Puller, Gear - Manually operated, 20 ton capacity, 9 1/2" jaw reach, 13" jaw spread, 3-jaw, 15" pressure screw of 1" diameter and 14 threads per inch | 1 | 0 |
| Е | 186 | Wood | Hole Saw- High speed steel, knockout holes for easy core removal, complete set | 1 | 1 |
| Е | 187 | Engines | Ignition Spark Tester | 6 | 1 |
| Е | 188 | Metals | Iron Worker | 1 | 0 |
| E | 189 | Wood | Jointer,- Adjustable infeed and outfeed tables; Full length self-aligning fence to tilt and lock at any angle, plunger-type lock at 90 degrees, positive stops at 45 degrees right and left, single lever adjustment to full width of tables; Jackscrew type cutter head; 3 high speed steel knives. | 1 | 1 For woods programs |
| Е | 190 | General | Key Set, Torx Folding- T9- T30 sizes. Ladder, Fiberglass Extension - 24 ft. nonconductive, interlocking solid channel | 2 | 1 |
| Е | 191 | General | fiberglass side rails with UV resistant polyester vail. 300 lbs. rating with rope and pulley | 1 | 0 |
| Е | 192 | General | Ladder, Fiberglass, Step, 6 Ft 300 lb. rating, high strength extended channel rails with slip resistant safety shoe, 6' standing height | 1 | 1 |
| Е | 193 | General | Level, 24" | 8 | 4 |
| Е | 194 | General | Level, 48"- Brass bound mahogany 48 in. fitted with four plumb and two level vials with etched markings, glass lenses, hand holes | 2 | 1 |
| Е | 195 | ENR | Leveling Rod- Fiberglass, 25' extended, increments of feet, tenths and hundredths. | 4 | 1 |
| Е | 196 | General | Log Chain, 20 Ft Breaking test 5600 lbs., 3/8" X 20', grab hook on one end, slip hook on other end | 1 | 0 |
| Е | 197 | Wood | Lumber and Plywood Rack, Vertical - Heavy duty metal construction | 1 | 1 For woods programs |
| Е | 198 | General | Machine, Finishing- Combination 12" disc and 6" belt sander; capable of performing compound angle, contour edge angle and compound mitering operations on wood, metal, plastic, compositions and other materials. | 1 | 1 For woods programs |
| Е | 199 | Wood | Mallet, Carpenter's Wood - Barrel shaped head 2 1/2" x 3" diameter and 6" long, wood handle | 8 | 4 |

| ### Ag Mechanics Equipment List tem Description ### Beautiful Control of the September of | r' ele | e e | Te a | Ag Mechanics Equipment List | peg | *= |
|--|--------|-----|-------------|---|-----|--------------|
| Barbing Gauge - For metal or wood, single face head, single har with adjustable point and adjustable in left for 5 in, nickel-plated finish micrometer Depth Gauge - graduated in thousands of an inch, ratchet stop and lock but, range of 'to 3", base length 3", with three round rods and contained in case 1 0 | nent | ш | E E | | enc | stry atio |
| Barbing Gauge - For metal or wood, single face head, single har with adjustable point and adjustable in left for 5 in, nickel-plated finish micrometer Depth Gauge - graduated in thousands of an inch, ratchet stop and lock but, range of 'to 3", base length 3", with three round rods and contained in case 1 0 | ipu | Ž | یّز | • | E | dus |
| Barbing Gauge - For metal or wood, single face head, single har with adjustable point and adjustable in left for 5 in, nickel-plated finish micrometer Depth Gauge - graduated in thousands of an inch, ratchet stop and lock but, range of 'to 3", base length 3", with three round rods and contained in case 1 0 | nb: | em | 당 | | 0 | erti |
| Beauty Comment Comme | шö | = | Te | | æ | ၁ |
| E 201 Engines Micrometer (Septing Segretary 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 | E | 200 | General | | 1 | 0 |
| E 202 Engines Micrometer, (set), Outside (0-1*, 1*-2*-2*-3*, 3*-4**) E 202 Engines Micrometer, (set), Outside (0-1*, 1*-2*-2*-3*, 3*-4**) E 203 Engines Micrometer, Set, Inside Type- Graduted in thousands of an inch, 1 1/2** to 8* range, 5 tubular measuring rods, sathro-throme finish on head, hardened threads, handle for use in reaching deep notes, packed in box. E 204 Masonry Mortar Board-Fiberglass 30* X 30* X 1 1/4** lip, raised edge complete with tubular steel folding stand 21* high Mortar Board-Fiberglass 30* X 30* X 1 1/4** lip, raised edge complete with tubular steel folding stand 21* high Mortar Board-Fiberglass 30* X 30* X 1 1/4** lip, raised edge complete with tubular steel folding stand 21* high Masonry Mortar Board-Fiberglass 30* X 30* X 1 1/4** lip, raised edge complete with tubular steel folding stand 21* high Masonry Masonry Mortar Board-Fiberglass 30* X 30* X 1 1/4** lip, raised edge complete with tubular steel folding stand 21* high Masonry Masonry Masonry Mortar Board-Fiberglass 30* X 30* X 1 1/4** lip, raised edge complete with tubular steel folding stand 21* high Masonry Mortar Board-Fiberglass 30* X 30* X 1 1/4** lip, raised edge complete with tubular steel folding stand 21* high Masonry Mortar Board-Fiberglass 30* X 30* X 1 1/4** lip, raised edge complete with tubular steel folding stand 21* high Masonry | _ | | 001.010. | | • | |
| E 202 Engines Micrometer (set), Outside (0-1*, 1*-2*, 2*-3*, 3*-4*-) Micrometers, Set, Inside Type- Graduated in thousands of an inch, 1 1/2* to 8* range, 5 in reaching deep holes, packed in box. E 204 Masonry Mortar Boxes - Subside Masonry Mortar Move - Forged steel blade 10* wide with 2 holes, 5 1/2 ft. wood handle 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | _ | 201 | Engines | | 4 | 0 |
| Micrometers, Set, Inside Type- Graduated in thousands of an inch. 1.1/2* to 8* range, 5 to 1 conjugate the property of the p | _ | 201 | Liigiiles | ind, range of to 5, base length 5, with three round rous and contained in case | • | U |
| E 203 Engines in Lubular measuring rods, salari-chrome finish on head, hardened threads, handle for use in reaching deep holes, packed in box. E 204 Masonry Mortar Board-Fiberglass 30'x 30" x 31" x 11/4" lip, raised edge complete with tubular steel folding stand 21" high Mortar Boxes-9 cubic feet E 205 Masonry Mortar Boxes-9 cubic feet E 206 Masonry Masonry Mortar Boxes-9 cubic feet E 207 Masonry Masonry Mortar Boxes-9 cubic feet E 208 Engines E glines E 209 Engines E 209 Engines E 209 Engines E 210 Electricity Multimeter, Digital, Hand-field- General purpose model for a wide range of application; high resolution count display; protective holster with flex stand; Voltage AC-DC, Current Amps Ac-DC, Resistence (Ohms) Automatic touch hold; diode test, Audible Continuity beeper. Voltage- AC range 32.13 2; 320 / 600; Current Amps Ac-DC, Resistence (Ohms) Automatic touch hold; diode test, Audible Continuity beeper. Voltage- AC range 32.13 2; 320 / 600; De range 320m/1/3 2; 32/30 / 600; Current Amps Ac-DC, Resistence (Ohms) Automatic touch hold; diode test, Audible Continuity beeper. Voltage- AC range 32.13 2; 320 / 600; De range 320m/1/3 2; 32/30 / 600; Current Amps Ac-DC, Resistence (Ohms) Automatic touch hold; diode test, Audible Continuity beeper. Voltage- AC range 32.13 2; 320 / 600; De range 320m/1/3 2; 32/30 / 600; Current Amps Ac-DC, Resistence (Ohms) Automatic touch hold; diode test, Audible Continuity beeper. Voltage- AC range 32.13 / 320 / 300; The Acromatic Automatic | Е | 202 | Engines | | 15 | 5 |
| in reaching deep holes, packed in box. Masonry Mortar Boart Fiberglass 30" x 30" x 11/4" jip, raised edge complete with tubular steel folding stand 21" high folding stand 21" high folding stand 21" high as 20% Masonry Mortar Boxes-9 cubic feet E 20% Masonry Mortar Hoe- Forged steel blade 10" wide with 2 holes, 5 1/2 ft. wood handle 1 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | _ | 202 | Enginee | | 4 | 0 |
| E 204 Masonry Mortar Board-Fiberglass 30" x 30" x 1 1/4" lip, raised edge complete with tubular steel 1 0 0 1 0 1 0 1 0 1 0 0 | _ | 203 | Engines | | 1 | U |
| E 205 Masonry Mortar Boxes - Quibr feet E 206 Masonry Mortar Boxes - Quibr feet E 207 Masonry Mortar Boxes - Quibr feet E 208 Engines E 208 Engines Mower, Rotary, Kiding Lawn Tractor, 40-48" Deck: , 4-cycle air cooled engine with electric starter. Mower, Rotary, Kiding Lawn Tractor, 40-48" Deck: , 4-cycle air cooled engine with electric starter. Mower, Rotary, Kiding Lawn Tractor, 40-48" Deck: , 4-cycle air cooled engine with electric starter. Mower, Rotary, Kiding Lawn Tractor, 40-48" Deck: , 4-cycle air cooled engine with electric starter. E 209 Engines E 210 Electricity Electricity Land-Held-General purpose model for a wide range of application; high resolution count display; protective holster with flox stand: Voltage AC-DC, Current Amps Ac-DC, Resistence (Ohms) A20' 321' 320' 730m' 10 Resistence (Ohms) 320' 321' 320' 320' 132m' 10 Amps DC 32m' 132m' 10; Resistence (Ohms) 320' 32k' 132k' 320k' 132m' 132m' 10 Amps DC 32m' 132m' 10; Resistence (Ohms) 320' 32k' 132k' 320k' 132m' 132m' 10 Amps DC 32m' 132m' 10; Resistence (Ohms) 320' 32k' 132k' 320k' 132m' 132m' 10; Resistence (Ohms) 320' 32k' 132k' 320k' 132m' 132m' 10; Resistence (Ohms) 320' 32k' 132k' 320k' 132m' 132m' 10; Resistence (Ohms) 320' 32k' 132k' 32k' 32k' 32k' 32k' 32k' 32k' 32k' | _ | | | | | |
| E 206 Masonry Mortar Neer - 1 bag capacity E 207 Masonry Mortar Micra - 1 bag capacity E 208 Engines Engines E 209 Engines E 209 Engines Mower, Rotary, Riding Lawn Tractor, 40-48" Deck-: , 4-cycle air cooled engine with electric starter. E 209 Engines Mower, Rotary, Zero Turn Radius, 54" - 72" Deck-: , 4-cycle air cooled engine with electric starter. Multimeter, Digital, Hand-Held- General purpose model for a wide range of application; high resolution count display; protective holster with filex stand; Voltage AC-DC, Current high resolution count display; protective holster with filex stand; Voltage AC-DC, Current - Amps AC-DC, Resistence (Ohms) Automatic touch hold; diode test, Audible Continuity beeper, Voltage - AC range 3.2/ 32 / 320 / 600; Dc range 320mW/ 3.2 / 32/ 320 / 600; Current - Amps AC-DC, Resistence (Ohms) Alloradic touch hold; diode test, Audible Continuity beeper, Voltage - AC range 3.2/ 32 / 320 / 600; Dc range 320mW/ 3.2 / 32/ 320 / 600; Current - Amps AC-DC, Resistence (Ohms) 320 / 3.2k / 32k / 320k / 3.2m / 320m / 10 Amps DC 32m / 320m / 10; Resistence (Ohms) 320 / 3.2k / 32k / 320k / 3.2m / 320m / 10 Amps DC 32m / 320m / 10; Resistence (Ohms) 320 / 3.2k / 32k / 320k / 3.2m / 320m / 32m / 320m / 10; Resistence (Ohms) 320 / 3.2k / 32k / 320k / 3.2m / 32m / 32m / 320m / 10; Resistence (Ohms) 320 / 3.2k / 32k / 320k / 3.2m / 32m / 32m / 320m / 10; Resistence (Ohms) 320 / 3.2k / 32k / 320k / 3.2m / 32m / 32m / 320m / 10; Resistence (Ohms) 320 / 3.2k / 32k / 320k / 3.2m / 32m / 32m / 32m / 320m / 320m / 32m / 32m / 320m / 320m / 32m / 32m / 320m / 320m / 32m / 32m / 320m / 32m / 32m / 320m / 32m / 3 | E | 204 | Masonry | | 1 | 0 |
| E 208 Engines Mower, Rotary, Riding Lawn Tractor, 40-48" Deck-: , 4-cycle air cooled engine with electric starter. E 209 Engines Mower, Rotary, Zero Turn Radius, 54" - 72" Deck-: , 4-cycle air cooled engine with electric starter. Mower, Rotary, Zero Turn Radius, 54" - 72" Deck-: , 4-cycle air cooled engine with electric starter. Mower, Rotary, Zero Turn Radius, 54" - 72" Deck-: , 4-cycle air cooled engine with electric starter. Multimeter, Digital, Hand-Held- General purpose model for a wide range of application; high resolution count display, protective holster with flex stand; Voltage Ac-DC, Current hamps Ac-DC, Resistence (Ohms) Automatic touch hold; diode test, Audible Continuity beeper. Voltage - AC range 3.2/ 32 / 320 / 600; Dc range 320mV/ 3.2 / 32 / 320 / 32 | | | | | | |
| E 209 Engines Mower, Rotary, Riding Lawn Tractor, 40-48" Deck-: , 4-cycle air cooled engine with electric starter. Mower, Rotary, Zero Turn Radius, 54" - 72" Deck-: , 4-cycle air cooled engine with electric starter. Mower, Rotary, Zero Turn Radius, 54" - 72" Deck-: , 4-cycle air cooled engine with electric starter. Multimeter, Digital, Hand-Held- General purpose model for a wide range of application; high resolution count display; protective holster with flex stand; Voltage AC-DC, Current Amps Ac-DC, Resistence (Ohms) Automatic touch hold; diode test, Audible Continuity beeper. Voltage - AC range 3.2/ 32 / 320 / 600; Dc range 320ml/ 3.2/ 32 / 320 / 600; Current - Amps Ac 3.2m / 320m / 10 Amps DC 32m / 320m / 10; Resistence (Ohms) 32 / 13.2k / 320k / 3.2m / 32m. E 211 Wood Nail Set, 1/16" and 4/32"- Square head, round knurled shank, alloy steel hardened and tempered, cupped tip 1/16" in diameter, 4" long E 213 General Nut spitter. Heavy "C" frame, hardened cutter, for nuts up to 7/8" across flats 1 0 0 1 (and the start of the | | | • | | | |
| E 209 Engines electric starter. B 209 Engines Mower, Rotary, Zero Turn Radius, 54" - 72" Deck-: , 4-cycle air cooled engine with electric starter. Multimeter, Digital, Hand-Held- General purpose model for a wide range of application; high resolution count display; protective holster with flex stand; Voltage AC-DC, Current Amps Ac-DC, Resistence (Ohms) Automatic touch hold; diode test, Audible Continuity beeper. Voltage - AC range 32/ 23/ 23/ 20/ 600; Dc range 320m/l 3.2 / 3.2 / 3.0 / 600; Dc range 320m/l 3.2 / 3.2 / 3.0 / 600; Dc range 320m/l 3.2 / 3.2 / 3.0 / 600; Dc range 320m/l 3.2 / 3.2 / 3.0 / 600; Dc range 320m/l 3.2 / 3.2 / 3.0 / 600; Dc range 320m/l 3.2 / 3.2 / 3.0 / 600; Dc range 320m/l 3.2 / 3.2 / 3.0 / 600; Dc range 320m/l 3.2 / 3.2 / 3.0 / 600; Dc range 320m/l 3.2 / 3.2 / 3.0 / 600; Dc range 320m/l 3.2 / 3.2 / 3.0 / 600; Dc range 320m/l 3.2 / 3.2 / 3.0 / 600; Dc range 320m/l 3.2 / 3.2 / 3.0 / 600; Dc range 320m/l 3.2 / 3.2 / 3.0 / 600; Dc range 320m/l 3.2 / 3.2 / 3.0 / 600; Dc range 320m/l 3.2 / 3.2 / 3.0 / 600; Dc range 320m/l 3.2 / 3.2 / 3.0 / 600; Dc range 320m/l 3.2 / 3.2 / 3.0 / 600; Dc range 320m/l 3.2 / 600; Dc range 320m/l | E | 207 | Masonry | | 1 | 0 |
| E 209 Engines electric starter. Multimeter, Digital, Hand-Held- General purpose model for a wide range of application; high resolution count display; protective holster with flex stand; Voltage AC-DC, Current Amps AC-DC, Current Amps Ac-DC, Cerrent Amps Ac-DC, Cerr | E | 208 | Engines | | 1 | 0 |
| E 210 Electricity | _ | 200 | | | | _ |
| Belectricity | E | 209 | Engines | | 1 | 0 |
| E 210 Electricity September (Ohms) Automatic touch hold; diode test, Audible Continuity beeper. Voltage - AC range 3.2/ 32 / 320 / 800, Dc range 320mV/ 3.2/ 320 / 800; 600; Current - Amps AC 32m / 320m / 10 Amps DC 32m / 320m / 10; Resistence (Ohms) 320 / 3.2k / 32k / 32k / 32m / 32m. E 211 Wood Nail Set, 1/16° and 4/32"- Square head, round knurled shank, alloy steel hardened and tempered, cupped tip 1/16° in diameter, 4° long E 213 General Nut splitter - Heavy "C" frame, hardened cutter, for nuts up to 7/8" across flats 1 0 Nailer, Pneumatic Framing- Drives nails up to 3 1/2" long 1 1 0 0 15 interview. Nutdriver, Magnetic, 5/16" x 9" shank 30 15 interview. Nutdriver, Magnetic, 5/16" x 9" shank 30 15 interview. Nutdriver, Magnetic, 5/16" x 9" shank 30 15 interview. Nutdriver, Magnetic, 5/16" x 9" shank 30 15 interview. Nutdriver, Magnetic, 5/16" x 9" shank 30 interview. Pagnetic for use with cordless drill 4 1 oil Filler (Mench- For removal of all types disposable oil filters, used with 3/8" drive ratchet wrench, 2 standard sizes 2 2 interview. Network of the standard sizes 2 2 interview. Network of the standard sizes 3 interview. Network of the standard sizes 3 interview. Network of the standard sizes 4 interview. Network of the standard sizes 4 interview. Network of the standard sizes 5 interview. Network of the standard sizes 5 interview. Network of the standard sizes 5 interview. Network of the standard sizes 6 interview. Network of the standard driver of the standard driver interview. Network of the standard sizes 6 interview. Network of the standard driver interview. Network of the standard driver interview. Network of the standar | | | | | | |
| beeper, Voltage - AC range 3.2/ 32 / 320 / 600; De range 320mV/ 3.2 / 32 / 320 / 600; Current - Amps AC 32m / 320m / 10 Amps DC 32m / 320m / 10; Resistence (Ohms) 320 / 3.2k / 32k / 320k / 3.2m / 32m. E 211 Wood Isset, 1/16" and 4/32"- Square head, round knurled shank, alloy steel hardened and tempered, cupped tip 1/16" in diameter, 4" long E 213 General Nut splitter- Heavy "C" frame, hardened cutter, for nuts up to 7/8" across flats 1 0 0 15 | | | | | | |
| E 211 Wood Nailer, Presumatic Framing- Drives nails up to 3 1/2" long 1 1 0 1 0 1 1 0 1 1 0 1 1 1 0 1 1 1 0 1 | Е | 210 | Electricity | | 4 | 1 |
| E 211 Wood Nail Set, 1/16" and 4/32"- Square head, round knurled shank, alloy steel hardened and tempered, cupped tip 1/16" in diameter, 4" long E 212 Wood Nailer, Preumatic Framing- Drives nails up to 3 1/2" long E 213 General Nutghitter- Heavy "C" frame, hardened cutter, for nuts up to 7/8" across flats E 214 Electricity Nutsetiter, 5/16", 5" synank E 215 Electricity Nutsetiter, 5/16", 6" long, magnetic for use with cordless drill C 216 Engines E 217 General Oilstone- Silicon carbide crystals, 6" X 2" X 1", combination coarse and fine C 218 Metals Metals Metals At 1 O 2 2 2 C 2 2 2 C 3 3 2 3 3 3 15 C 3 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | Í | | | |
| E 211 Wood Nail Set, 1/16" and 4/32"- Square head, round knurled shank, alloy steel hardened and tempered, cupped tip 1/16" in diameter, 4" long 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 0 0 0 0 1 0 | | | | | | |
| E 211 Wood kempered, cupped tip 1/16" in diameter, 4" long E 212 Wood Nailer, Pneumatic Framing- Drives nails up to 3 1/2" long E 213 General Nut splitter- Heavy "C" frame, hardened cutter, for nuts up to 7/8" across flats 1 0 E 214 Electricity Nutsetter, 5/16" x 9" shank 2 15 Electricity Nutsetter, 5/16" x 9" shank 2 16 Engines E 216 Engines E 217 General Oilstone- Silicon carbide crystals, 6" X 2" X 1", combination coarse and fine C 2 Cyacetylene Welding & Cutting Outfit- to consist of torch body; cutting attachment; set welding tips 1/16" to 1/8", 1/8" to 3/16" and 1/4" to 3/8" range; 1 set cutting tips 1/8" to 1/2", 1/4" to 7/8" and 1/2" to 1 1/2" range; 2 stage; 2 stage; 1 25 ft. hose; lighter, 10 pr. shields, winyl cover, combination wrench E 219 General General Panel Router Combination Machine- With 2 1/2 hp, 13 amp saw motor and 2 1/4 hp, 12 amp router motor, two hand clamps, two adjustable blind dado stops, midway fence system, cord holder, includes: wheel kit, tripod stand and hold down bar. E 221 Engines Parts Washer- minimum15 gal. capacity E 222 General Pick-Up Tool- Designed to position and retrieve small objects, two claw finger that will open to 1", flexible section 8" long, overall length 17 3/4" E 223 Engines Pipe Cutter- Heavy duty, 1/8" to 2" - Adjustable guide ratchet type, solid dies, 4" x 4" die blocks. | | | | | | |
| E 212 Wood Nailer, Pneumatic Framing- Drives nails up to 3 1/2" long | E | 211 | Wood | | 8 | 2 |
| E 214 Electricity E 215 Electricity E 216 Electricity E 216 Electricity E 216 Electricity E 217 General B 217 General C 218 Metals Metals Metals B 219 General C 219 C 210 General C 210 C 210 Genera | | | Wood | | 1 | 0 |
| E 215 Electricity Nutsetter, 5/16", 6" long, magnetic for use with cordless drill E 216 Engines E 217 Engines E 217 General Oilstilter Wrench- For removal of all types disposable oil filters, used with 3/8" drive ratchet wrench, 2 standard sizes Oilstone- Silicon carbide crystals, 6" X 2" X 1", combination coarse and fine Oxyacetylene Welding & Cutting Outfit- to consist of torch body; cutting attachment; set welding tips 1/16" to 1/8", 1/8" to 3/16" and 1/4" to 3/8" range; 1 set cutting tips 1/8" to 1/2", 1/4" to 7/8" and 1/2" to 1 1/2" range; 2 stage; 2 stage; 1 25 ft. hose; lighter, 10 pr. shields, vinyl cover; combination wrench Paint Spray Gun- Standard duty, aluminum body, plated drop forged head, adjustable floating fluid needle valve, stainless steel air valve catridge, trigger with hardened steel wear plate and bronze brushings, controls at back of gun, complete with clamp type one quart siphon cup Panel Saw/Panel Router Combination Machine- With 2 1/2 hp, 13 amp saw motor and 2 1/4 hp, 12 amp router motor, two hand clamps, two adjustable blind dado stops, midway fence system, cord holder, includes: wheel kit, tripod stand and hold down bar. E 221 Engines Parts Washer- minimum15 gal. capacity E 222 General Pick-Up Tool- Designed to position and retrieve small objects, two claw finger that will open to 1", flexible section 8" long, overall length 17 3/4" E 223 Engines Pinch and Lining Bar, 20"- One end chisel point, other end tapered, 20" long, 3/4 stock E 224 Metals Pipe Cutter- Heavy duty, 1/8" to 2" capacity, single tough blade cutter wheel, tow rollers, large handle for quick adjustment, malleable iron frame Pipe Dies, 6 Piece- Exposed ratchet type, drop head dies, head locks in or releases by pull of ratchet knob, set to consist of ratchet handle and one each 1/4", 3/8", 1/2", 3/4" and 1" solid dies. Pipe Threaders, 1/2" to 2" - Adjustable guide ratchet type, solid dies, 4" x 4" die blocks. | | | | | | - |
| E 216 Engines Oil Filter Wrench- For removal of all types disposable oil filters, used with 3/8" drive ratchet wrench, 2 standard sizes E 217 General Oilstone- Silicon carbide crystals, 6" X 2" X 1", combination coarse and fine Oxyacetylene Welding & Cutting Outfit- to consist of torch body; cutting attachment; set welding tips 1/16" to 1/8", 1/8" to 3/16" and 1/4" to 3/8" range; 1 set cutting tips 1/8" to 1/2", 1/4" to 7/8" and 1/2" to 1 1/2" range; 2 stage; 2 stage; 1 25 ft. hose; lighter, 10 pr. shields, vinyl cover; combination wrench Paint Spray Gun- Standard duty, aluminum body, plated drop forged head, adjustable floating fluid needle valve, stainless steel air valve catridge, trigger with hardened steel wear plate and bronze brushings, controls at back of gun, complete with clamp type one quart siphon cup Panel Saw/Panel Router Combination Machine- With 2 1/2 hp, 13 amp saw motor and 2 1/4 hp, 12 amp router motor, two hand clamps, two adjustable blind dado stops, midway fence system, cord holder, includes: wheel kit, tripod stand and hold down bar. E 221 Engines Parts Washer- minimum15 gal. capacity Fick-Up Tool- Designed to position and retrieve small objects, two claw finger that will open to 1", flexible section 8" long, overall length 17 3/4" E 223 Engines Pinch and Lining Bar, 20"- One end chisel point, other end tapered, 20" long, 3/4 stock B 4 E 224 Metals Pipe Cutter- Heavy duty, 1/8" to 2" capacity, single tough blade cutter wheel, tow rollers, large handle for quick adjustment, malleable iron frame Pipe Dies, 6 Piece- Exposed ratchet type, drop head dies, head locks in or releases by pill of ratchet knob, set to consist of ratchet handle and one each 1/4", 3/8", 1/2", 3/4" Pipe Threaders, 1/2" to 2" - Adjustable guide ratchet type, solid dies, 4" x 4" die blocks. | | | | | | |
| E 217 General Oilstone-Silicon carbide crystals, 6" X 2" X 1", combination coarse and fine Cyacetylene Welding & Cutting Outfit- to consist of torch body; cutting attachment; set welding tips 1/16" to 1/8", 1/8" to 3/16" and 1/4" to 3/8" range; 1 set cutting tips 1/8" to 1/2", 1/4" to 7/8" and 1/2" to 1 1/2" range; 2 stage; 2 stage; 1 25 ft. hose; lighter, 10 pr. shields, vinyl cover; combination wrench Paint Spray Gun- Standard duty, aluminum body, plated drop forged head, adjustable floating fluid needle valve, stainless steel air valve catridge, trigger with hardened steel wear plate and bronze brushings, controls at back of gun, complete with clamp type one quart siphon cup Panel Saw/Panel Router Combination Machine- With 2 1/2 hp, 13 amp saw motor and 2 1/14 hp, 12 amp router motor, two hand clamps, two adjustable blind dado stops, midway fence system, cord holder, includes: wheel kit, tripod stand and hold down bar. E 221 Engines Parts Washer- minimum15 gal. capacity E 222 General Pick-Up Tool- Designed to position and retrieve small objects, two claw finger that will open to 1", flexible section 8" long, overall length 17 3/4" E 223 Engines Pinch and Lining Bar, 20"- One end chisel point, other end tapered, 20" long, 3/4 stock B 4 E 224 Metals Pipe Cutter- Heavy duty, 1/8" to 2" capacity, single tough blade cutter wheel, tow rollers, large handle for quick adjustment, malleable iron frame Pipe Dies, 6 Piece- Exposed ratchet type, drop head dies, head locks in or releases by pull of ratchet knob, set to consist of ratchet handle and one each 1/4", 3/8", 1/2", 3/4" Pipe Threaders, 1/2" to 2" - Adjustable guide ratchet type, solid dies, 4" x 4" die blocks. | E | 215 | Electricity | Nutsetter, 5/16", 6" long, magnetic for use with cordless drill Oil Filter Wrangh, For ramoval of all types disposable ail filters, used with 2/9" drive | 4 | 1 |
| E 217 General Oilstone-Silicon carbide crystals, 6" X 2" X 1", combination coarse and fine Oxyacetylene Welding & Cutting Outfit- to consist of torch body; cutting attachment; set welding tips 1/16" to 1/8", 1/8" to 3/16" and 1/4" to 3/8" range; 1 set cutting tips 1/8" to 1/2", 1/4" to 7/8" and 1/2" to 1 1/2" range; 2 stage; 2 stage; 1 25 ft. hose; lighter, 10 pr. shields, vinyl cover; combination wrench E 219 General General Paint Spray Gun- Standard duty, aluminum body, plated drop forged head, adjustable floating fluid needle valve, stainless steel air valve catridge, trigger with hardened steel wear plate and bronze brushings, controls at back of gun, complete with clamp type one quart siphon cup Panel Saw/Panel Router Combination Machine- With 2 1/2 hp, 13 amp saw motor and 2 1/4 hp, 12 amp router motor, two hand clamps, two adjustable blind dado stops, midway fence system, cord holder, includes: wheel kit, tripod stand and hold down bar. E 221 Engines Parts Washer- minimum15 gal. capacity E 222 General Pick-Up Tool- Designed to position and retrieve small objects, two claw finger that will open to 1", flexible section 8" long, overall length 17 3/4" E 223 Engines Pinch and Lining Bar, 20"- One end chisel point, other end tapered, 20" long, 3/4 stock E 224 Metals Pipe Cutter- Heavy duty, 1/8" to 2" capacity, single tough blade cutter wheel, tow rollers, large handle for quick adjustment, malleable iron frame Pipe Dies, 6 Piece- Exposed ratchet type, drop head dies, head locks in or releases by pull of ratchet knob, set to consist of ratchet handle and one each 1/4", 3/8", 1/2", 3/4" and 1" solid dies. Pipe Threaders, 1/2" to 2" - Adjustable guide ratchet type, solid dies, 4" x 4" die blocks. | E | 216 | Engines | | 2 | 2 |
| Comparison of the consist of torch body; cutting attachment; set welding tips 1/16" to 1/8", 1/8" to 3/16" and 1/4" to 3/8" range; 1 set cutting tips 1/8" to 1/2", 1/4" to 7/8" and 1/2" to 1 1/2" range; 2 stage; 2 stage; 1 25 ft. hose; lighter, 10 pr. shields, vinyl cover; combination wrench Paint Spray Gun- Standard duty, aluminum body, plated drop forged head, adjustable floating fluid needle valve, stainless steel air valve catridge, trigger with hardened steel wear plate and bronze brushings, controls at back of gun, complete with clamp type one quart siphon cup Panel Saw/Panel Router Combination Machine- With 2 1/2 hp, 13 amp saw motor and 2 1/4 hp, 12 amp router motor, two hand clamps, two adjustable blind dado stops, midway fence system, cord holder, includes: wheel kit, tripod stand and hold down bar. E 221 Engines Parts Washer- minimum15 gal. capacity 1 | Е | 217 | General | | 1 | 0 |
| E 218 Metals 1/2", 1/4" to 7/8" and 1/2" to 1 1/2" range; 2 stage; 2 stage; 1 25 ft. hose; lighter, 10 pr. shields, vinyl cover; combination wrench Paint Spray Gun- Standard duty, aluminum body, plated drop forged head, adjustable floating fluid needle valve, stainless steel air valve catridge, trigger with hardened steel wear plate and bronze brushings, controls at back of gun, complete with clamp type one quart siphon cup Panel Saw/Panel Router Combination Machine- With 2 1/2 hp, 13 amp saw motor and 2 1/4 hp, 12 amp router motor, two hand clamps, two adjustable blind dado stops, midway fence system, cord holder, includes: wheel kit, tripod stand and hold down bar. E 221 Engines Parts Washer- minimum15 gal. capacity E 222 General Pick-Up Tool- Designed to position and retrieve small objects, two claw finger that will open to 1", flexible section 8" long, overall length 17 3/4" E 223 Engines Pinch and Lining Bar, 20"- One end chisel point, other end tapered, 20" long, 3/4 stock E 224 Metals Pipe Cutter- Heavy duty, 1/8" to 2" capacity, single tough blade cutter wheel, tow rollers, large handle for quick adjustment, malleable iron frame Pipe Dies, 6 Piece- Exposed ratchet type, drop head dies, head locks in or releases by pull of ratchet knob, set to consist of ratchet handle and one each 1/4", 3/8", 1/2", 3/4" and 1" solid dies. Pipe Threaders, 1/2" to 2" - Adjustable guide ratchet type, solid dies, 4" x 4" die blocks. | | | | | | |
| E 219 General Paint Spray Gun- Standard duty, aluminum body, plated drop forged head, adjustable floating fluid needle valve, stainless steel air valve catridge, trigger with hardened steel wear plate and bronze brushings, controls at back of gun, complete with clamp type one quart siphon cup Panel Saw/Panel Router Combination Machine- With 2 1/2 hp, 13 amp saw motor and 2 1/4 hp, 12 amp router motor, two hand clamps, two adjustable blind dado stops, midway fence system, cord holder, includes: wheel kit, tripod stand and hold down bar. E 221 Engines Parts Washer- minimum15 gal. capacity E 222 General Pick-Up Tool- Designed to position and retrieve small objects, two claw finger that will open to 1", flexible section 8" long, overall length 17 3/4" E 223 Engines Pinch and Lining Bar, 20"- One end chisel point, other end tapered, 20" long, 3/4 stock E 224 Metals Pipe Cutter- Heavy duty, 1/8" to 2" capacity, single tough blade cutter wheel, tow rollers, large handle for quick adjustment, malleable iron frame Pipe Dies, 6 Piece- Exposed ratchet type, drop head dies, head locks in or releases by pull of ratchet knob, set to consist of ratchet handle and one each 1/4", 3/8", 1/2", 3/4" 1 0 1 1 1 0 1 0 1 1 1 0 1 0 1 | _ | 218 | Motale | | 6 | 2 |
| E 219 General Paint Spray Gun- Standard duty, aluminum body, plated drop forged head, adjustable floating fluid needle valve, stainless steel air valve catridge, trigger with hardened steel wear plate and bronze brushings, controls at back of gun, complete with clamp type one quart siphon cup Panel Saw/Panel Router Combination Machine- With 2 1/2 hp, 13 amp saw motor and 2 1/4 hp, 12 amp router motor, two hand clamps, two adjustable blind dado stops, midway fence system, cord holder, includes: wheel kit, tripod stand and hold down bar. E 221 Engines Parts Washer- minimum15 gal. capacity 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | _ | 210 | Metals | | 0 | 2 |
| E 219 General floating fluid needle valve, stainless steel air valve catridge, trigger with hardened steel wear plate and bronze brushings, controls at back of gun, complete with clamp type one quart siphon cup Panel Saw/Panel Router Combination Machine- With 2 1/2 hp, 13 amp saw motor and 2 1/4 hp, 12 amp router motor, two hand clamps, two adjustable blind dado stops, midway fence system, cord holder, includes: wheel kit, tripod stand and hold down bar. E 221 Engines Parts Washer- minimum15 gal. capacity E 222 General Pick-Up Tool- Designed to position and retrieve small objects, two claw finger that will open to 1", flexible section 8" long, overall length 17 3/4" E 223 Engines Pinch and Lining Bar, 20"- One end chisel point, other end tapered, 20" long, 3/4 stock E 224 Metals Pipe Cutter- Heavy duty, 1/8" to 2" capacity, single tough blade cutter wheel, tow rollers, large handle for quick adjustment, malleable iron frame Pipe Dies, 6 Piece- Exposed ratchet type, drop head dies, head locks in or releases by pull of ratchet knob, set to consist of ratchet handle and one each 1/4", 3/8", 1/2", 3/4" and 1" solid dies. Pipe Threaders, 1/2" to 2" - Adjustable guide ratchet type, solid dies, 4" x 4" die blocks. | | | | | | |
| wear plate and bronze brushings, controls at back of gun, complete with clamp type one quart siphon cup Panel Saw/Panel Router Combination Machine- With 2 1/2 hp, 13 amp saw motor and 2 1/4 hp, 12 amp router motor, two hand clamps, two adjustable blind dado stops, midway fence system, cord holder, includes: wheel kit, tripod stand and hold down bar. E 221 Engines Parts Washer- minimum15 gal. capacity E 222 General Pick-Up Tool- Designed to position and retrieve small objects, two claw finger that will open to 1", flexible section 8" long, overall length 17 3/4" E 223 Engines Pinch and Lining Bar, 20"- One end chisel point, other end tapered, 20" long, 3/4 stock E 224 Metals Pipe Cutter- Heavy duty, 1/8" to 2" capacity, single tough blade cutter wheel, tow rollers, large handle for quick adjustment, malleable iron frame Pipe Dies, 6 Piece- Exposed ratchet type, drop head dies, head locks in or releases by pull of ratchet knob, set to consist of ratchet handle and one each 1/4", 3/8", 1/2", 3/4" and 1" solid dies. Pipe Threaders, 1/2" to 2" - Adjustable guide ratchet type, solid dies, 4" x 4" die blocks. | | | | | | |
| one quart siphon cup Panel Saw/Panel Router Combination Machine- With 2 1/2 hp, 13 amp saw motor and 2 1/4 hp, 12 amp router motor, two hand clamps, two adjustable blind dado stops, midway fence system, cord holder, includes: wheel kit, tripod stand and hold down bar. E 221 Engines Parts Washer- minimum15 gal. capacity E 222 General Pick-Up Tool- Designed to position and retrieve small objects, two claw finger that will open to 1", flexible section 8" long, overall length 17 3/4" E 223 Engines Pinch and Lining Bar, 20"- One end chisel point, other end tapered, 20" long, 3/4 stock E 224 Metals Pipe Cutter- Heavy duty, 1/8" to 2" capacity, single tough blade cutter wheel, tow rollers, large handle for quick adjustment, malleable iron frame Pipe Dies, 6 Piece- Exposed ratchet type, drop head dies, head locks in or releases by pull of ratchet knob, set to consist of ratchet handle and one each 1/4", 3/8", 1/2", 3/4" and 1" solid dies. Pipe Threaders, 1/2" to 2" - Adjustable guide ratchet type, solid dies, 4" x 4" die blocks. | Е | 219 | General | | 1 | 1 |
| Panel Saw/Panel Router Combination Machine- With 2 1/2 hp, 13 amp saw motor and 2 1/4 hp, 12 amp router motor, two hand clamps, two adjustable blind dado stops, midway fence system, cord holder, includes: wheel kit, tripod stand and hold down bar. E 221 Engines Parts Washer- minimum15 gal. capacity E 222 General Pick-Up Tool- Designed to position and retrieve small objects, two claw finger that will open to 1", flexible section 8" long, overall length 17 3/4" E 223 Engines Pinch and Lining Bar, 20"- One end chisel point, other end tapered, 20" long, 3/4 stock E 224 Metals Pipe Cutter- Heavy duty, 1/8" to 2" capacity, single tough blade cutter wheel, tow rollers, large handle for quick adjustment, malleable iron frame Pipe Dies, 6 Piece- Exposed ratchet type, drop head dies, head locks in or releases by pull of ratchet knob, set to consist of ratchet handle and one each 1/4", 3/8", 1/2", 3/4" Netals Pipe Threaders, 1/2" to 2" - Adjustable guide ratchet type, solid dies, 4" x 4" die blocks. | | | | | | |
| E 220 Wood 2 1/4 hp, 12 amp router motor, two hand clamps, two adjustable blind dado stops, midway fence system, cord holder, includes: wheel kit, tripod stand and hold down bar. E 221 Engines Parts Washer- minimum15 gal. capacity E 222 General Pick-Up Tool- Designed to position and retrieve small objects, two claw finger that will open to 1", flexible section 8" long, overall length 17 3/4" E 223 Engines Pinch and Lining Bar, 20"- One end chisel point, other end tapered, 20" long, 3/4 stock E 224 Metals Pipe Cutter- Heavy duty, 1/8" to 2" capacity, single tough blade cutter wheel, tow rollers, large handle for quick adjustment, malleable iron frame Pipe Dies, 6 Piece- Exposed ratchet type, drop head dies, head locks in or releases by pull of ratchet knob, set to consist of ratchet handle and one each 1/4", 3/8", 1/2", 3/4" Netals Pipe Threaders, 1/2" to 2" - Adjustable guide ratchet type, solid dies, 4" x 4" die blocks. | | | | | | |
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| E 222 General Pick-Up Tool- Designed to position and retrieve small objects, two claw finger that will open to 1", flexible section 8" long, overall length 17 3/4" E 223 Engines Pinch and Lining Bar, 20"- One end chisel point, other end tapered, 20" long, 3/4 stock E 224 Metals Pipe Cutter- Heavy duty, 1/8" to 2" capacity, single tough blade cutter wheel, tow rollers, large handle for quick adjustment, malleable iron frame Pipe Dies, 6 Piece- Exposed ratchet type, drop head dies, head locks in or releases by pull of ratchet knob, set to consist of ratchet handle and one each 1/4", 3/8", 1/2", 3/4" and 1" solid dies. Pipe Threaders, 1/2" to 2" - Adjustable guide ratchet type, solid dies, 4" x 4" die blocks. | | 220 | vvoou | midway fence system, cord holder, includes: wheel kit, tripod stand and hold down bar. | ' | U |
| E 222 General Pick-Up Tool- Designed to position and retrieve small objects, two claw finger that will open to 1", flexible section 8" long, overall length 17 3/4" E 223 Engines Pinch and Lining Bar, 20"- One end chisel point, other end tapered, 20" long, 3/4 stock E 224 Metals Pipe Cutter- Heavy duty, 1/8" to 2" capacity, single tough blade cutter wheel, tow rollers, large handle for quick adjustment, malleable iron frame Pipe Dies, 6 Piece- Exposed ratchet type, drop head dies, head locks in or releases by pull of ratchet knob, set to consist of ratchet handle and one each 1/4", 3/8", 1/2", 3/4" and 1" solid dies. Pipe Threaders, 1/2" to 2" - Adjustable guide ratchet type, solid dies, 4" x 4" die blocks. | _ | 004 | F | Darla Washing minimum 45 and a second to | | 4 |
| E 222 General open to 1", flexible section 8" long, overall length 17 3/4" E 223 Engines Pinch and Lining Bar, 20"- One end chisel point, other end tapered, 20" long, 3/4 stock B 4 E 224 Metals Pipe Cutter- Heavy duty, 1/8" to 2" capacity, single tough blade cutter wheel, tow rollers, large handle for quick adjustment, malleable iron frame Pipe Dies, 6 Piece- Exposed ratchet type, drop head dies, head locks in or releases by pull of ratchet knob, set to consist of ratchet handle and one each 1/4", 3/8", 1/2", 3/4" and 1" solid dies. Pipe Threaders, 1/2" to 2" - Adjustable guide ratchet type, solid dies, 4" x 4" die blocks. | E | 221 | ∟ngines | | | 1 |
| E 223 Engines Pinch and Lining Bar, 20"- One end chisel point, other end tapered, 20" long, 3/4 stock E 224 Metals Pipe Cutter- Heavy duty, 1/8" to 2" capacity, single tough blade cutter wheel, tow rollers, large handle for quick adjustment, malleable iron frame Pipe Dies, 6 Piece- Exposed ratchet type, drop head dies, head locks in or releases by pull of ratchet knob, set to consist of ratchet handle and one each 1/4", 3/8", 1/2", 3/4" and 1" solid dies. Pipe Threaders, 1/2" to 2" - Adjustable guide ratchet type, solid dies, 4" x 4" die blocks. | E | 222 | General | | 1 | 0 |
| E 224 Metals Pipe Cutter- Heavy duty, 1/8" to 2" capacity, single tough blade cutter wheel, tow rollers, large handle for quick adjustment, malleable iron frame Pipe Dies, 6 Piece- Exposed ratchet type, drop head dies, head locks in or releases by pull of ratchet knob, set to consist of ratchet handle and one each 1/4", 3/8", 1/2", 3/4" and 1" solid dies. Pipe Threaders, 1/2" to 2" - Adjustable guide ratchet type, solid dies, 4" x 4" die blocks. | _ | 000 | F | | | |
| Pipe Dies, 6 Piece- Exposed ratchet type, drop head dies, head locks in or releases by pull of ratchet knob, set to consist of ratchet handle and one each 1/4", 3/8", 1/2", 3/4" ond 1" solid dies. Pipe Threaders, 1/2" to 2" - Adjustable guide ratchet type, solid dies, 4" x 4" die blocks. | E | 223 | Engines | | 8 | 4 |
| Pipe Dies, 6 Piece- Exposed ratchet type, drop head dies, head locks in or releases by pull of ratchet knob, set to consist of ratchet handle and one each 1/4", 3/8", 1/2", 3/4" and 1" solid dies. Pipe Threaders, 1/2" to 2" - Adjustable guide ratchet type, solid dies, 4" x 4" die blocks. | F | 224 | Metals | | 2 | n |
| E 225 Metals pull of ratchet knob, set to consist of ratchet handle and one each 1/4", 3/8", 1/2", 3/4" and 1" solid dies. Pipe Threaders, 1/2" to 2" - Adjustable guide ratchet type, solid dies, 4" x 4" die blocks. | | | iviolais | | _ | . |
| and 1" solid dies. Pipe Threaders, 1/2" to 2" - Adjustable guide ratchet type, solid dies, 4" x 4" die blocks. | _ | 205 | NA-4-1 | | | _ |
| Pipe Threaders, 1/2" to 2" - Adjustable guide ratchet type, solid dies, 4" x 4" die blocks. | E | 225 | ivietals | | 1 | U |
| | | | | | - | |
| | Е | 226 | Metals | | 1 | 0 |
| | | | | • | | |

| t / | -e | rea | Ag Mechanics Equipment List | ped | *= |
|----------------------------|-------------|----------------|--|-------------|----------------------------|
| Equipment / Consumeable | ltem Number | Technical Area | Item Description | Recommended | Industry Certification* |
| ipn sur | Ž | nica | E=Equipment (life expectancy 5 or more years) | ш | dus |
| 뺭 | E m | chi | C= Consumble (life expectancy less than 5 years) | ၁င | ln Sert |
| ш _О | = | Te | *Contact Region Agricultural Education office for Industry Certification | 2 | 0 |
| E | 227 | Metals | Pipe Wrench- Straight pattern, alloy steel jaws, adjusting nut that will spin easily. Set of 6", 8", 10" and 14". | 2 | 1 |
| E | 228 | Engines | Piston Groove Cleaner- Suitable for pistons from 1" to 5" in diameter; two cutter wheels with five blade sizes for each; one wheel to have blade sizes of: 5/64", 3/32", 1/8", 5/32" and 3/16"; the other wheel to have sizes of: 1/16", 5/64", 3/32", 5/32" and 3/16" | 2 | 1 |
| Е | 229 | Engines | Piston Ring, Compressor, Small Engine - Made especially for small engines, 1 1/2" to 3" diameter pistons, 2" high blue steel compression band, single tension band. | 30 | 15 |
| Е | 230 | Wood | Plane, Block, 6"- Cast iron, smooth bottom, sides and bottom machined, adjustable mouth cutter adjusts for thickness and evenness of shavings, handle and knob cast and machined, 6" length, 1 5/8" width | 2 | 0 |
| Е | 231 | Wood | Plane, Jack, 14"- Cast iron, smooth bottom, sides and bottom machined, adjustable mouth, cutter adjusts for thickness and evenness of shavings, handle and knob of hardwood, 14" length, 2" width | 6 | 0 |
| Е | 232 | Wood | Plane, Smooth, 9"- Cast iron, smooth bottom, sides and bottom machined, adjustable mouth, cutter adjusts for thickness and evenness of shavings, handle and knob of hardwood, 9" length, 2" width cutter | 2 | 0 |
| Е | 233 | Wood | Planer, capable of surfacing stock- Rounded cutter head safety type; high speed steel helical cutter head. | 1 | 1 For woods programs |
| Е | 234 | Metals | Plasma Arc Cutting Outfit- With wheels attached, torch with 25 ft. hose, ground clamp with cable, air regulator, air filter, air hose and primary input cable, 1/2" max. cutting capacity, 200 volt single or three-phase power. | 1 | 0 |
| E | 235 | Electricity | Pliers, 6", Standard Diagonal Cutting | 30 | 15 |
| Е | 236 | General | Pliers, Combination, 6"- Slip joint, chrome plated, flat and curved jaws with sharp matching teeth, 6" long | 10 | 5 |
| Е | 237 | General | Pliers, Diagonal Cutting, 8"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth, long nose | 15 | 5 |
| Е | 238 | General | Pliers, Fence and Staple Puller - Designed for metal and wood posts; to be capable of driving and pulling staples and post lugs and to cut, splice and stretch wire; nickel plated, plastic coated handles, 10 1/2" long | 1 | 0 |
| Е | 239 | General | Pliers, Hose Clamp - For installing and removing wire spring tension clamps, two position jaws that will grip full range of clamp sizes, chrome plated | 1 | 0 |
| Е | 240 | General | Pliers, Interlocking Channel, 10"- Seven parallel jaw positions up to 2", chrome finish, 10" long | 6 | 1 |
| Е | 241 | General | Pliers, Interlocking Channel, 16"- Eleven parallel jaw positions up 4", chrome finish, 16" long | 1 | 1 |
| Е | 242 | General | Pliers, Interlocking Channel, 6"- Five parallel jaw positions up to 1", chrome finish, 6" long | 1 | 1 |
| Е | 243 | Electricity | Pliers, Lineman's, 9"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth | 30 | 15 |
| Е | 244 | Metals | Pliers, Locking - 7 1/2" straight serrated jaws, cold forged steel. | 8 | 4 |
| Е | 245 | Electricity | Pliers, Long Nose, 7"- Long nose with side cutter, natural steel finish with full polish, 7" long | 30 | 15 |
| Е | 246 | General | Pliers, Needle Nose, 5"- Short chain nose, serrated tips, natural steel finish with full polish. | 2 | 1 |
| Е | 247 | Engines | Pliers, Retaining Ring- Combination internal and external, straight pattern, for shaft diameters 1" - 1 7/16" and bore diameters 1 1/16" - 1 3/4". | 2 | 2 |
| Е | 248 | Metals | Pliers, Vise Grip, 10"- Lever action to hold jaws in holding position, quick release for removing pressure, straight jaws, 1 5/8" | 8 | 4 |
| Е | 249 | Metals | Pocket Scriber- Made from steel tubing, knurled and nickel plated, tempered steel point held in handle by a knurled chuck | 7 | 0 |
| E | 250 | Metals | Pop Riveter and Rivets- hand pop riveter with interchangeable nosepiece for large sizes | 2 | 1 |
| Е | 251 | Metals | Power Hacksaw, endless blade, 1/2 h.p. | 1 | 0 |

| t / | e. | rea | Ag Mechanics Equipment List | Recommended | *= |
|----------------------------|-------------|----------------|--|-------------|----------------------------|
| Equipment / Consumeable | ltem Number | Technical Area | Item Description | enc | Industry Certification* |
| igi Tu | Ž | ٦ | E=Equipment (life expectancy 5 or more years) | Ε | dus Fic |
| nb: | eш | chr | C= Consumble (life expectancy less than 5 years) | <u> </u> | er in |
| шЗ | ž | Ē | *Contact Region Agricultural Education office for Industry Certification | Re | ŭ |
| E | 252 | Metals | Press, Hand Hydraulic, 24 Ton- Capacity 25 tons, screw-type ram, large pump, stationary self-contained work head, work width 33", work height 39", ram travel 5", complete with work head, pressure gauge, table hoist, table plates, v-blocks and round and v-ram noses | 1 | 1 |
| Е | 253 | General | Pressure Washer | 1 | 0 |
| E | 254 | Metals | Prick Punch- Forged from high grade octagon alloy steel, properly hardened and tempered, body finished in black, polished taper and head. 1/2" stock and 6" long | 1 | 0 |
| _ | 204 | Wictais | tempered, body initiation in black, polished taper and head. 1/2 stock and o long | • | · |
| Е | 255 | General | Printer | 1 | 1 |
| Е | 256 | General | Projection Screen | 1 | 1 |
| Е | 257 | Metals | Propane Torch- Ram jet principle, all-purpose orifice; complete with torch, flame | 2 | 0 |
| | | | spreader, soldering tip, heavy duty burner head and flint spark lighter. Punch- Complete set with sizes 3/16", 1/4", 5/16", 3/8" and 1/2" by 6". Forged from | | |
| Е | 258 | Metals | high grade octagon alloy steel, properly hardened and tempered, body finished in black, polished taper and head. | 2 | 1 |
| Е | 259 | Metals | Punch and Chisel (12 pieces)- Set consisting of one each of 1/16", 3/32", 3/16", 1/8" pin punches, 3/8" center punch, 3/8" prick punch, 3/16" x 9" aligning punch, 5/32" x 7" | 2 | 0 |
| | 209 | IVICIAIS | aligning punch, 1/4", 1/2", 5/8" and 3/4" cold chisels,Chrome steel. | 2 | U |
| | | | Punch Pin- 1/4" X 1/2" X 6"- Forged from high grade octagon alloy steel, properly | | |
| Е | 260 | Metals | hardened and tempered, body finished in black, polished taper and head. 1/4" diameter | 2 | 0 |
| | | | point, 1/2" stock and 6" long | | |
| _ | 004 | | Punch Pin- 3/16" X 3/8" X 6"- Forged from high grade octagon alloy steel, properly | | _ |
| Е | 261 | Metals | hardened and tempered, body finished in black, polished taper and head. 3/16" | 2 | 0 |
| | | | diameter point, 3/8" stock and 6" long Punch Pin- 3/8" X 8"- Forged from high grade octagon alloy steel, properly hardened | | |
| Е | 262 | Metals | and tempered, body finished in black, polished taper and head. 3/8" diameter point, 5/8" | 2 | 0 |
| _ | | ····ctaic | stock and 8" long | - | · |
| | | | Punch Pin- 5/16" X 1/2" X 6"- Forged from high grade octagon alloy steel, properly | | |
| E | 263 | Metals | hardened and tempered, body finished in black, polished taper and head. 5/16" | 2 | 0 |
| _ | 004 | NA GA | diameter point, 1/2" stock and 6" long | _ | |
| Е | 264 | Metals | Punch, Brass- 8" long, 5/8" stock, 3/8" point Punch, Center- Forged from high grade octagon alloy steel, properly hardened and | 2 | 1 |
| Е | 265 | Metals | tempered, body finished in black, polished taper and head, 1/2" sock, 6" long | 8 | 1 |
| | | | Punch, Light Duty Metal- Capacity 1/4" hole through 16 gauge mild steel, one each | | |
| E | 266 | Metals | 3/32", 1/8", 5/32", 3/16", 7/32", 1/4" and 9/32" round punches and dies, metal box and | 1 | 1 |
| | | | bench mounting base | | |
| _ | 007 | | Punch, Long Taper - Forged from high grade octagon alloy steel, hardened and | | |
| Е | 267 | Metals | tempered, body finished in black, taper and head polished, 5/164" diameter point, 5/8" diameter stock, 16" | 2 | 1 |
| | | | Punches, Assorted- Consists of 1/8" and 3/16" pin punches, 3/8" center punch, 3/8" | | |
| E | 268 | Metals | prick punch and 5/32" solid punch | 4 | 0 |
| | | | Punches, Starter- 6 to each set. All are 6" in length and 1 each of the following: 1/16" | | |
| Е | 269 | Metals | with 1/4" stock diameter, 1/8" with 5/16" stock diamter, 3/16" with 3/8" stock diameter, | 2 | 0 |
| _ | 209 | IVICIAIS | 1/4" with1/2" stock diameter, 3/8" with 5/8" stock diameter, 1/2" with 5/8" stock | _ | U |
| | | | diameter. | | |
| _ | 270 | Wood | Putty Knife,1 1/4" - Flexible high carbon 1 1/4" steel blade, tempered and ground; | 40 | 4 |
| E | 270 | vvood | blade in one piece extending through end of handle; shatter-proof plastic handle with large hole to hang tool | 12 | 4 |
| Е | 271 | Structures | PVC Cutter- Ratchet action | 2 | 1 |
| | | | Router- All ball and roller bearing constructed, minimum of 1 1/2 H.P., adjustment ring | | |
| Е | 272 | Wood | or leaver for setting cutter heights, includes router, motor, min. of 1/4" collect and | 2 | 1 |
| | | | wrenches for adjustments | | |
| Е | 273 | Wood | Router Bits- Straight pattern, double flute, high speed steel, 1/4" shank; set to consist of | 1 | 1 |
| _ | | \\/s = -! | four bits, one each of the following sizes: 1/8", 1/4", 3/8" and 1/2" Ruler, Extension Type, Folding, having a sliding part equal in length to one section so | 40 | 4 |
| Е | 274 | Wood | as to permit exact measurement of internal dimensions. | 12 | 4 |
| Е | 275 | General | Safety Glasses- 1 per each student, safety glasses which meet ASAE standards | 30 | 30 |

| t / | e | rea | Ag Mechanics Equipment List | pec | *= |
|----------------------------|-------------|----------------|--|-------------|----------------------------|
| Equipment / Consumeable | ltem Number | Technical Area | Item Description | Recommended | Industry Certification* |
| ipn sur | ž | nica | E=Equipment (life expectancy 5 or more years) | mr | dus |
| Equ | ten | чэе | C= Consumble (life expectancy less than 5 years) | oce | E F |
| - 8 | | ĭ | *Contact Region Agricultural Education office for Industry Certification | ď | J |
| Е | 276 | General | Safety Hat- Plastic with rigid rolled-edge brim, vertically ribbed for extra strength, leatherette sweatband. | 28 | 0 |
| | | | Safety Jack Stand, 5 Ton- Ratchet type, to support 5 tons from 14 5/8" to 24 7/8" in | | |
| E | 277 | General | height, pressed steel construction, rack bar for positive contact, carrying handle | 8 | 4 |
| E | 278 | Wood | Sander, Orbital Finishing- Direct motor-to-pad design, orbital sanding action, dependable abrasive clamp, cord strain-relief protection, universal 120 volt motor, pad size 4 1/2" x 9 3/8", pad speed 10,000 OMP, complete with 3-conductor cord and plug | 8 | 4 |
| E | 279 | Wood | Sander, Portable Belt-, universal type 120 volt motor, chain/worm gear drive, trigger switch, strain-relief protection, alumiumun alloy housing, belt tensioning device, positive control, on load speed 1600 SFPM, ball and needle bearings, complete with 3-conductor cord and plug | 4 | 2 |
| Е | 280 | Wood | Saw Horse Brackets- For use with standard 2" X 4" lumber, tool steel zince coated, holes for screws and bolts, 1 tone capacity | 12 | 0 |
| E | 281 | Wood | Saw, Band, Wood Cutting, - Floor model, precision machined and dynamically balanced upper and lower wheels with crowned rubber tires, cast iron table with groove for miter guage and guard rails for rip fence, table to tilt 45 degrees to right and 10 degrees (min) to left with positive stop at 90 degrees. | 2 | 1 For woods programs |
| Е | 282 | Engines | Saw, Chain, Direct Drive - Light duty, diaphragm carburetor, automatic rewind starter, spark arresting muffler, atomatic oiling complete with boot or scabbard. | 1 | 0 |
| Е | 283 | Metals | Saw, Cold - Metal cutting circular saw operates at 22 and 44 rpm with 12 1/2" carbide heat tempered blade, capactiy of 5 1/2" x 3 1/2" rectangular metal, 90 degree and 45 degree cutting angle, w/machine base and cooling oil tank and pump, w/dual joined vise | 1 | 0 |
| Е | 284 | Wood | Saw, Compound Miter- 2 H.P., 120 volt, 10" blade, precission table to cut 90 degree, 45 degree and 22 1/2 degree miters, left or right, with blade brake, including 12" carbide tooth finishing blade | 2 | 1 |
| E | 285 | General | Saw, Electric Sabre - Heavy duty, variable-speed from 0 to 3000 strokes per min., length of stroke 5/8", capacity in wood 2 1/2" and in mild steel 1/4", trigger switch with speed control button, air flow for visible cutting, tilting shoe for cutting up to 45 degrees, rated 2.5 amps., complete with cord and plug | 8 | 4 |
| E | 286 | Metals | Saw, Horizontal Metal Band- Type: Cut off, wet and dry metal cutting, hydraulic control, 3 point suspension. Capacity: 10" round, 18" flat, variable speeds. Accessories to be furnished: 1 ea. Stock stand equipped with rollers and adjustable for height, 6 ea. blades 3/4" | 1 | 1 |
| E | 287 | Wood | Saw, Key Hole - Hardened and tempered steel blade 10" long, 10 points per inch, wing nut and bolt locking device, wood handle | 2 | 1 |
| E | 288 | Metals | Saw, Metal Cutting Circular, 7 -1/4", | 1 | 0 |
| E | 289 | Wood | Saw, Portable Electric, 7 1/4" - Circular blade, continuous duty rating, ball-needle bearing, 5500 R.P.M. no-load speed, electric brake, 2 1/2" depth of cut at 90 degree blade setting, blade guard, complete with one combination blade. Electrical: 12.5 AMPS, 120V, 60 cycle A.C. | 8 | 4 |
| E | 290 | Wood | Saw, Radial Arm- Heavy duty wood saw with 12" to 16" cutting capabilities, minimum cutting length 32". Push button magnetic starting located on the end of arm. Heavy duty steel base with legs and wooden top. Adjustable arm angle and head angle. Retractable shield to protect user. | 1 | 1 For woods programs |
| Е | 291 | Wood | Saw, Rip Hand , 5 1/2 Pt Hardened and tempered steel blade, taper ground, wood handle, 5 1/2 points per inch, 26" blade | 8 | 4 |
| Е | 292 | Wood | Saw, Scroll - with standard equipment for variable, or set speeds, 1/3 hp, 115 volt motor and manual switch | 1 | 0 |
| E | 293 | Wood | Saw, Shank Reciprocating Sawzall- Heavy duty ball and roller bearing construction, 1" stroke, cuts any cuttable material, includes wrenches, holder, carrying case and assorted blades for cutting wood and metal | 4 | 2 |
| Е | 294 | Wood | Saw, Table - Tilting arbor, 10"-12" blade, with bessemer fence, guard and rail system. Meter guage, guide rails, blade guard, splitter with anti-kickback pawls. | 1 | 1 |
| E | 295 | General | Screwdriver - Assorted set (flat/phillips) | 8 | 4 |

| ~ <u>e</u> | | ea | Ag Mechanics Equipment List | led | *_ |
|-------------|---------------|----------------|---|-------------|----------------------------|
| Equipment / | Item Number | Technical Area | Item Description | Recommended | Industry Certification* |
| md m | 5 Z | ica | E=Equipment (life expectancy 5 or more years) | шu | Industry |
| qui | Ē | l H | C= Consumble (life expectancy 5 of more years) | con | ir. |
| ய் பூ | 활 | Tec | *Contact Region Agricultural Education office for Industry Certification | Rec | ပိ |
| Е | 296 | General | Screwdriver Bits, Square Shank- For slotted screws and with square shanks for use | 8 | 0 |
| Е | 297 | Electricity | with hand brace, each set to consist of 1 ea.: 1/4"., 5/16" and 3/8" wide tips Screwdriver, # 2 Phillips | 30 | 15 |
| E | 298 | Electricity | Screwdriver, 3/16" Cabinet tip | 30 | 15 |
| E | 299 | Engines | Screwdriver, Carburetor Jet, Large Jets | 30 | 15 |
| Е | 300 | Engines | Screwdriver, Carburetor Jet, Small Jets | 30 | 15 |
| Е | 301 | General | Screwdriver, Industrial Cordless - Quality, reversible, variable speed, with rechargable kit | 8 | 4 |
| Е | 302 | General | Screwdrivers, Torx - Assorted set, T8 - T30 sizes | 8 | 4 |
| Е | 303 | General | Service Floor Jack, 5 Ton- Hydraulic operated, heavy metal construction, with 5 ton | 1 | 1 |
| | | | minimum capacity | - | |
| Е | 304 | Metals | Shear- Metal cutting bar, with lever, 1/4" X 4 1/2" capacity | 1 | 1 |
| Е | 305 | Metals | Shear, Metal Cutting- Bevel pattern, 3/16" mild steel capacity, alloy steel rack and pinion, removable handle, alloy steel body, high grade blades adjustable for wear and quickly interchangeable, alloy steel pivot point, steel base drilled for mounting on bench | 1 | 1 |
| Е | 306 | Metals | Shears, Straight Pattern Sheet Metal- Straight pattern, 3" cut, 13" overall length, crucible steel blades, precision ground and tempered | 6 | 1 |
| Е | 307 | General | Shop Vacuum Cleaner- Industrial type | 1 | 1 |
| Е | 308 | General | Shovel, Round Point D Handle - Heat treated steel blade 9 1/4" X 1/2" with forward turned step. 47" fiberglass handle. | 8 | 4 |
| Е | 309 | General | Shovel, Square Point, 12"- 47", "D" fiberglass handle with rivets. | 8 | 4 |
| Е | 310 | Metals | Simulator- Welding, computer controlled, simulates MIG, TIG and ARC welding conditions. Complete unit for English language, other languages available | 0 | 0 |
| Е | 311 | Wood | Sliding T Bevel, 8"- Blade 8" long, iron handle, blade hardened and tempered, locking device located in end of handle | 8 | 4 |
| Е | 312 | Engines | Socket Set, Metric - 1/2" drive - to include ratchet, extension, and sockets up to a minimum of 21mm | 4 | 2 |
| Е | 313 | Engines | Socket Set, Metric - 3/8" drive - to include ratchet, extension, and sockets up to a minimum of 19mm | 8 | 4 |
| Е | 314 | Engines | Socket Set, Metric- 1/4" drive - to include ratchet, extension, and sockets up to a minimum of 15mm | 30 | 15 |
| Е | 315 | Engines | Socket Set, SAE - 1/2" drive - to include ratchet, extension, and sockets up to a minimum of 1 1/16" | 4 | 2 |
| Е | 316 | Engines | Socket Set, SAE - 3/8" drive - to include ratchet, extension, and sockets up to a minimum of 7/8" | 8 | 4 |
| Е | 317 | Engines | Socket Set, SAE 1/4" drive - to include ratchet, extension, and sockets up to a minimum of 1/2" | 30 | 15 |
| Е | 318 | Engines | Socket sets, deepwell metric and standard | 8 | 4 |
| Е | 319 | General | Socket Sets, Impact 1/2" drive, standard and metric | 1 | 1 |
| E | 320 | Electricity | Soldering Gun- Heavy duty construction, 260/200 watts, pistol grip design, lighted, high efficiency copper tips | 1 | 1 |
| Е | 321 | Engines | Solvent Can, 5 Gallon- Made from material that will not be attacked by solvents, safety type equipped with non-flash-back flame arrestor, 5 gal. capacity. | 1 | 1 |
| Е | 322 | Engines | Spark Plug Socket Set- One each 3/4", 5/8" and 13/16", 3/8" drive, chrome plated | 8 | 4 |
| Е | 323 | Metals | Spats, Welding - Durable high quality leather constructed | 1 | 0 |
| Е | 324 | Engines | Spreader, Piston Ring - to install piston rings from 3/64" to 1/4" thick, ring opening in jaws of tool and closing handles to expand ring | 30 | 15 |
| Е | 325 | General | Staple Gun- Electric or manual, safety on/off trigger lock, impact resistant heavy duty plastic/metal construction, uses staples 1/4" to 9/16" long | 1 | 1 |
| Е | 326 | Wood | Stapler, Pneumatic - Contact trip safety, drives 16 gauge, 1/2" crown staples, requires 70-80 psi, 100 plus staple capacity | 1 | 1 For woods programs |
| Е | 327 | General | Stopwatch- Water and impact resistant. Displays hours down to 1/100 seconds. Lanyard and battery included. Digital display. | 1 | 0 |
| Е | 328 | Structures | Stud Finder, Magnetic- Designed to point to nails in order to locate studs behind wallboard, plaster or paneling | 1 | 0 |
| Е | 329 | Engines | Tachometer, Electronic | 1 | 1 |

| t/ ble | er | rea | Ag Mechanics Equipment List | pep | * |
|----------------------------|-------------|----------------|---|-------------|----------------------------|
| Equipment / Consumeable | Item Number | Technical Area | Item Description | Recommended | Industry Certification* |
| ipn sun | ž | ٦٠ | E=Equipment (life expectancy 5 or more years) | m l | gr g |
| :dn | em | ᅙ | C= Consumble (life expectancy less than 5 years) | 8 | ert e |
| шö | ÷ | 1e | *Contact Region Agricultural Education office for Industry Certification | 8 | Ö |
| | | | Tap and Die Set (SAE and Metric)- Includes tap and reamer wrench, diestock, T-handle | | |
| Е | 330 | Metals | wrench, crew pirch guage, screwdriver. 17 taps and 17-1" hex dies: | 2 | 1 |
| _ | 550 | Wictars | NC: 4-40; 6-32; 8-32; 10-24; 12-24; 1/4-20; 5/16-18; 3/8-16; 7/16-14; 1/2-13. | - | • |
| | | | NF: 10-32; 1/4-28; 5/16-24; 3/8-24; 7/16-20; 1/2-20 | | |
| Ε | 331 | General | Tape, 100 Ft Fiberglass with reel 1/2" wide complete with folding end hook. Easily | 4 | 1 |
| | | | visible continuous graduations in feet, inches, and 1/8". | | |
| Ε | 332 | Electricity | Tape, Fish,100 Ft Reel type, 1/8" x .060" x 100', reel to serve as handle for pulling | 1 | 0 |
| | | | Tape, measuring, 12' min chrome plated plastic case with belt clip. Manual operation | | |
| Ε | 333 | Electrical | with spring blade action return. Blade locking device, 3/4" wide blade, graduated in | 30 | 15 |
| _ | 333 | Liectrical | inches on 1/64's. | 30 | 13 |
| | | | Tape, Measuring, 3/4" x 25' - Polished chrome case, togglelock control positioned on | | |
| | | | front of case, 3/4" wide steel blade on bearing supported nylon spool, black numerals | | |
| Е | 334 | General | oin white background, divided feet and inches to 16ths, foot marks and 16" centers | 30 | 15 |
| | | | clearly indentified. | | |
| Е | 335 | General | Television Monitor- 25" screen cable ready 120 volts | 1 | 1 |
| _ | | | Test Dial Indicator- Range 0" to .100, universal shank, swiveling tubualr body, | _ | • |
| Е | 336 | General | reversible action, hard chrome plated ratchet contact point, in case. | 3 | 0 |
| Е | 337 | Metals | TIG Welder | 1 | 0 |
| Е | 338 | Engines | Timing Light, Small Engine- Solid state design, for use on all 12 volt engines from idle | 1 | 0 |
| | 330 | Engines | to 8000 RPM, inductive pickup for hook up without stopping engine | | U |
| Е | 339 | General | Tire Valve Tool- One end to habe tapered left-hand thread for removal of broken valve | 1 | 1 |
| | | | cores, other end to be slotted for removal and replacement of valve core | | |
| E | 340 | Engines | Torque Wrench- 3/8" drive, inch lbs. | 30 | 15 |
| Е | 341 | Engines | Torque Wrench, 1/2" Drive - 0 to 200 ft. lb capacity. | 8 | 4 |
| Е | 342 | General | Trammel Points- Designed for attaching to straight bar, one point to have socket for | 1 | 0 |
| | | | pencil, high carbon steel points, nickel plated | _ | |
| _ | 0.40 | 0 | Trouble Lamp- Three-conductor 16 gauge rubber covered cord 25' long, equipped with | | • |
| Е | 343 | General | three-prong grounding plug, contoured rubber handle, swing-open guard with hook, 13 | 1 | 0 |
| | | | amps, 125 volts Trowel, Cementer's - Spring steel blade, smooth turned natural finish wood handle, | | |
| Е | 344 | Masonry | tang extends through handle, 14" long, 4" wide, 23 gauge | 1 | 1 |
| | | | Trowel, Pointing, 5 1/2"- One piece forged and heat treated steel blade with 2 3/4" wide | | |
| Е | 345 | Masonry | heel and 5 1/2" long, steel ferruled hardwood handle. | 1 | 0 |
| | | | Tubing Bender- Spiral spring type, cadmium plated, one each for the following OD sizes | | |
| Е | 346 | Metals | of tubing: 1/4", 5/16", 3/8", 7/16", 1/2", and 5/8". | 1 | 0 |
| | | | Tubing Cutting and Flaring Kit - To cut and form 45 degree flares on soft copper, | | |
| Ε | 347 | Metals | aluminum, and brass tubing in sizses: 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8", and | 1 | 0 |
| | | | 3/4" OD, complete in plastic box. | | |
| _ | 240 | General | Utility Cart- 26" pneumatic wheels, 16 to 18.6 cu. ft., 450 lb. capacity, 73" X 43" X 32 | 1 | ^ |
| Е | 348 | General | overall dimension, 1/2" exterior plywood construction. | 1 | 0 |
| | | | Valve Grinder, Small Engine- Lapping tool, designed to give short smooth and quick | | |
| Ε | 349 | Engines | forward and back movements, ball thrust bearing on spindle; complete with long and | 30 | 15 |
| | | | short self-locking stems, universal bit, vaccum cup and grinding spring. | | |
| | | | Valve Spring Compressor- Universal type, "C" - clamp, self-locking cam handle, full | | |
| Ε | 350 | Engines | length threaded screw adjusting post, 7/8" through 2 12" spring diameters, 10 1/2" high, | 30 | 15 |
| _ | | g | 9 1/2" wide; complete with low offset, medium offset and large straight jaws. | | |
| | | | | | |
| | | | Vise, Machinist 4" - Combination pipe and bench swivel base, interchangeable heat | | |
| Ε | 351 | Metals | treated jaws, pipe jaws that will hold pipe down to 1/8", malleable iron castings, steel | 6 | 2 |
| | | | handle with ball ends, self-lubricating graphite bronze bearing, jaw width 4", jaw opening 6". | | |
| E | 352 | Metals | Vise, Machinist- 4" jaws, 6" opening | 6 | 2 |
| | | | Vise, Pipe Bench Yoke - Yoke and base of strong malleable iron, hardened tool steel | J | |
| Е | 353 | Metals | jaws, pipe rest and bander, 1/8" through 2 1/2" capacity. | 1 | 0 |
| | | | Vise, Pipe, Tristand - Portable, integral legs, folding tray, hanging slots for tools, pipe | | |
| Е | 354 | Metals | rest, 3 pipe benders, ceiling brace screw, 1/8" to 2 1/2" capacity vise. | 1 | 0 |
| Е | 355 | Engines | Vise, Saw Chain- Adjustable for holding chain for accurate filing. | 1 | 0 |

| t / | e | rea | Ag Mechanics Equipment List | pec | *= |
|----------------------------|-------------|----------------|--|-------------|----------------------------|
| Equipment / Consumeable | Item Number | Technical Area | Item Description | Recommended | Industry Certification* |
| ipm | Ž | ازي | E=Equipment (life expectancy 5 or more years) | E | dus fica |
| nb: | em | chr | C= Consumble (life expectancy less than 5 years) | <u> </u> | erti |
| шЗ | ž | Ť. | *Contact Region Agricultural Education office for Industry Certification | Re | Ö |
| | | | Vise, Woodworking, 4" x 10" - Heavy semi-steel castings, solid aluminum handle, | | |
| E | 356 | Wood | continuous screw type, size of jaws 4" x 10", maxium jaw opening 12", dog type front | 16 | 4 |
| | | | jaw. | | |
| _ | 0.5-7 | | Welder- Electric arc, 225 amp. AC, Transformer type, portable with wheels, machine to | | _ |
| E | 357 | Metals | be furnished with the following accessories: input cable with wall plug, output cables, | 8 | 0 |
| | | | ground clamp, electrode holder and headshield Welder, AC/DC, 225/125 Amps- Transformer type, portable with wheels to increase | | |
| | | | portability, equipped with welding current selector switch and on-off switch, output | | |
| E | 358 | Metals | ampere range from 40 to 225 AC or 30-125 DC, to operate on 230 volt, 60 cycle, single | 8 | 5 |
| | | | phase current, input required at 230 volts to be 50 amps. | | |
| | | | Welder, Mig - Power source with wire feed, 200 amp. Mig gun, power cord and | | |
| _ | 050 | | receptable, drive rolls and contact tubes for .023", .030", .035" wire size rating output | | _ |
| E | 359 | Metals | 200 amps, duty cycle 60%. Input power 200/230 volts, input amps 44/38, wire speed | 6 | 5 |
| | | | 60 to 585 inches/minute single or three phase | | |
| | | | Welder, Portable Spot - Resistance type equipped with weld timer control panel, to | | |
| Е | 360 | Metals | operate on 115 volt, 60 cycle, single phase AC, capacity 1/8" in mild steel, output 1.5 | 1 | 0 |
| _ | 300 | Wetais | KVA, timer panel to be equipped with an 0-3 switch, one pair of 18" 90 degree standard | • | Ū |
| | | | tongs with No. 1 Morse taper | | |
| _ | | | Welder's Helmet- Fiberglass, fixed front lens, 4 1/2" x 5 1/4" lens, with floating headgear | | |
| E | 361 | Metals | and sweat band with minimum number 10 shade lens (number 12 preferred) | 30 | 30 |
| | | | | | |
| Е | 362 | Metals | Welding Apron- Durable high quality leather constructed | 30 | 30 |
| E | 363 | Metals | Welding Cylinder Cart- For standard size cylinders, tubular steel construction, 12" semi- | 6 | 2 |
| Е | 364 | Metals | pneumatic tired wheels, complete with chain and tool box Welding Jacket- Durable high quality leather constructed | 12 | 4 |
| E | 365 | Metals | Welding Screen with a 6' x 8' tubular steel frame | 1 | 0 |
| E | 366 | Metals | Welding Tongs | 10 | 5 |
| E | 367 | Metals | Welding Torch Lighters | 6 | 2 |
| E | 368 | General | Wheelbarrow, Heavy duty | 1 | |
| Е | 369 | General | Wing Dividers, 6"- High grade steel, hardened points, highly polished, 6: size | 1 | 0 |
| Е | 270 | | Work Stool, Mechanic's- Heavy gauge steel frame and base, metal tool tray, plywood | 1 | 0 |
| | 370 | General | seat, to pivot on steel casters, 17 3/4" X 13 3/4" X 11 3/4" | 1 | 0 |
| Е | 371 | Structures | Wrecking Bar- Forged in one piece from high carbon steel, heat treated and tempered, | 2 | 1 |
| | 37 1 | Structures | 1 1/4" stock, 60" long, pinch point | | • |
| E | 372 | Structures | Wrecking Bar- Forged octagon steel, polished point and claw, standard bend, 3/4" x | 2 | 1 |
| _ | | Oli dotal oc | 30". | _ | • |
| E | 373 | Structures | Wrecking Bar, 18"- Forged from high carbon octagon steel, standard bend, polished | 2 | 1 |
| - | | | point and claw, 18 in. long, 3/4" hex stock | | |
| Е | 374 | General | Wrench Set, Adjustable- One each 6", 8" and 10" | 4 | 2 |
| Е | 27E | General | Wrench, Air Impact - Ball bearing construction, built-in oiler and air regulator, 1/2" | 4 | 4 |
| | 375 | General | square drive, 5/8" bolt capacity, 1/4" hose connection FPT, operating pressure 90 PSI, finger tip control, forward and reverse | 1 | 1 |
| | | | Wrench, Combination Metric (12) - 12- pc. set to include 8 x 10, 10 x 11, 12 x 14, 13 x | | |
| Е | 376 | Engines | 15, 16 x 18, 17 x 19, 20 x 22, 21 x 23, 22 x 24, 25 x 26, 25 x 27, 28 x 30, 30 x 32, mm | 12 | 4 |
| _ | 0.0 | 900 | sizes. | | • |
| | | | Wrenches, Angle Head, Open End - hot forged, heat treated, chrome plated 30 degree | | |
| _ | 67- | | angle head on one end, 60 degree angle head on the other end; nine in set consisting | | 4 |
| Е | 377 | Engines | of one each of the following: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16" and 7/8" | 1 | 1 |
| | | | - | | |
| Е | 370 | Engines | Wrenches, Box End, 12 Point- Hot forged and heat treated, standard pattern, 15 | 4 | 1 |
| | 378 | Engines | degree offset, chrome finished, 6 to set in sizes from 1/4" to 1 1/8" by 16ths | 4 | <u> </u> |
| Е | 379 | Engines | Wrenches, Combination (14)- Hot forged alloy steel, chrome plated 14 pcs. consisting | 1 | 1 |
| ١ | 318 | Ligites | of one each from 3/8" to 1 1/4" by 1/16ths. | 1 | <u>'</u> |
| | | | Wrenches, Hex Key - In plastic pouch, eleven (11) to set consisting of one each of the | | |
| Е | 380 | Engines | following sizes: .050", 1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 5/16", and 3/8" | 4 | 1 |
| | | | | | |
| Е | 381 | Engines | Wrenches, Metric Hex - Set of 10 wrenches, 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, | 4 | 1 |
| | | J | 6mm, 8mm, 10mm, 12mm. | - | - |

| Equipment / | Item Number | Technical Area | Ag Mechanics Equipment List Item Description E=Equipment (life expectancy 5 or more years) C= Consumble (life expectancy less than 5 years) *Contact Region Agricultural Education office for Industry Certification | Recommended | Industry Certification* |
|-------------|-------------|----------------|--|-------------|----------------------------|
| E | 382 | Engines | Wrenches, Midget Open End- Used for ignition work and small mechanical units, hot forged and heat treated, 15 degree and 60 degree angle heads, chrome finished, 9 to set in sizes from 1/8" to 3/8" | 4 | 1 |
| E | 383 | Engines | Wrenches, Open End (6) - Hot forged alloy steel, chrome plated, 6 pieces, consisting of one each of the following: 1/4" x 5/16", 3/8" x 7/16", 1/2" x 9/16", 5/8" x 11/16", 3/4" x 13/16", 7/8" x 15/16". | 4 | 1 |
| E | 384 | Engines | Wrenches, Ratchet min. 7 piece 3/16" - 3/4". | 1 | 0 |
| E | 385 | Engines | Wrenches, Tappet- Thin open end, 15 degree angle heads, 10" long, five to set consisting of one each as follows: 7/16" X 1/2"; 1/2" X 9/16"; 9/16" X 5/8"; 11/16" X 3/4" and 13/16" X 7/8". | 8 | 4 |