

1st PERIOD MILLWRIGHT APPRENTICE TOOL LIST

Effective September 1st, 2016

Required Tools:

All tools are English standard, unless otherwise specified.

Wrenches, Combination – 3/8” thru 1 1/4” by 1/16’s
Tape Measure (10’ or 12’) (Steel Recoiling)
1/2” Drive Socket & Ratchet Set 3/8” thru 1 1/4” 1/16’s
3/8” Drive Socket & Ratchet Set 3/8” thru 7/8”
Screwdrivers – Phillips and Flathead 2 each
Tongue and Groove Pliers (Channel Lock) 2 set
Ball Peen Hammer
Cold Chisel
Chalk Line Retractable (100’ in Chalk Box)
Hack Saw
Deep Well Sockets 3/8 and 1/2 Drive
Universal Joints 3/8 and 1/2 Drive

ALL TOOLS SHOULD BE AMERICAN MADE

2nd PERIOD MILLWRIGHT APPRENTICE TOOL LIST

Required Tools:

All tools are English standard, unless otherwise specified.

Wrenches, Combination – 3/8” thru 1 1/4” by 1/16”s

Tape Measure (10’ or 12’) (Steel Recoiling)

1/2” Drive Socket & Ratchet Set 3/8” thru 1 1/4” 1/16”s

3/8” Drive Socket & Ratchet Set 3/8” thru 7/8”

Screwdrivers – Phillips and Flathead 2 each

Tongue and Groove Pliers (Channel Lock) 2 set

Ball Peen Hammer

Cold Chisel

Chalk Line Retractable (100’ in Chalk Box)

Hack Saw

Deep Well Sockets 3/8 and 1/2 Drive

Universal Joints 3/8 and 1/2 Drive

Pry Bar 16”

Center Punch

Plumb Bob

Tin Snips (Left Right Straight)

Scraper

Drift Punch Long Taper Punch Line Up Bar (Available in various sizes)

Locking (Vise Grip) Pliers 6” & 10”

Needle Nose Pliers 4 1/2 & 7”

Precision/Semi Precision Tools

Feeler Gauges - Long & Short Sets Straight leaves

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3rd PERIOD MILLWRIGHT APPRENTICE TOOL LIST

REQUIRED TOOLS:

All tools are English standard, unless otherwise specified.

Hand Tools:

Wrenches, Combination – 3/8” thru 1 1/4” by 1/16’s
Tape Measure (10’ or 12’) (Steel Recoiling)
1/2” Drive Socket & Ratchet Set 3/8” thru 1 1/4” 1/16’s
3/8” Drive Socket & Ratchet Set 3/8” thru 7/8”
Screwdrivers – Phillips and Flathead 2 each
Tongue and Groove Pliers (Channel Lock) 2 set
Ball Peen Hammer
Cold Chisel
Chalk Line Retractable (100’ in Chalk Box)
Hack Saw
Deep Well Sockets 3/8 and 1/2 Drive
Universal Joints 3/8 and 1/2 Drive
Pry Bar 16”
Center Punch
Plumb Bob
Tin Snips (Left Right Straight)
Scraper
Drift Punch Long Taper Punch Line Up Bar (Available in various sizes)
Locking (Vise Grip) Pliers 6” & 10”
Needle Nose Pliers 4 1/2 & 7”

1/2” & 3/8” Drive Extension (2” 6” 8”)
Wrench Hex Key (Allen) 2 sets (.050 – 3/8 English Standard and (1.5 – 10mm Metric)
Adjust Wrench (8” & 10”)
Side Cutter Plier (Available 6 1/2, 7 5/16, 8 1/2)

Precision/Semi-Precision Tools

Feeler Gauges - Long & Short Sets Straight leaves
Level – Torpedo
Scribe (steel, carbide, etc.)
Scale (6” Steel Rule by 64th)

**THIS IS A MINIMUM LIST TO MEET 3RD PERIOD REQUIREMENTS. YOU
WILL FIND THAT ADDITIONAL HAND AND PRECISION TOOLS WILL
MAKE YOUR JOB TASK EASIER.**

ALL TOOLS SHOULD BE AMERICAN MADE

4th and 5th PERIOD MILLWRIGHT APPRENTICE TOOL LIST

REQUIRED TOOLS:

All tools are English standard, unless otherwise specified.

Hand Tools:

Wrenches, Combination – 3/8” thru 1 1/4” by 1/16’s
Tape Measure (10’ or 12’) (Steel Recoiling)
1/2” Drive Socket & Ratchet Set 3/8” thru 1 1/4” 1/16’s
3/8” Drive Socket & Ratchet Set 3/8” thru 7/8”
Screwdrivers – Phillips and Flathead 2 each
Tongue and Groove Pliers (Channel Lock)
Ball Peen Hammer
Cold Chisel 2 Small & Large
Chalk Line Retractable (100’ in Chalk Box)
Hack Saw
Deep Well Sockets 3/8 and 1/2 Drive
Universal Joints 3/8 and 1/2 Drive
Pry Bar 16”
Center Punch
Plumb Bob
Tin Snips (Left Right Straight)
Scraper
Drift Punch Long Taper Punch Line Up Bar (Available in various sizes)
Locking (Vise Grip) Pliers 6” & 10”
Needle Nose Pliers 4 1/2 & 7”
1/2” & 3/8” Drive Extension (2” 6” 8”)
Wrench Hex Key (Allen) 2 sets (.050 – 3/8 English Standard and (1.5 – 10mm Metric)
Adjust Wrench (8” & 10”)
Side Cutter Plier (Available 6 1/2, 7 5/16, 8 1/2)

Precision/Semi-Precision Tools:

Feeler Gauges - Long & Short Sets Straight leaves
Level – Torpedo
Scribe (steel, carbide, etc.)
Scale (6” Steel Rule by 64th)
0-1” Micrometer
Snap Ring Pliers Set
Drill Point Gauge

**THIS IS A MINIMUM LIST TO MEET 4th and 5th PERIOD REQUIREMENTS.
YOU WILL FIND THAT ADDITIONAL HAND AND PRECISION TOOLS WILL
MAKE YOUR JOB TASK EASIER.**

ALL TOOLS SHOULD BE AMERICAN MADE

6th PERIOD MILLWRIGHT APPRENTICE TOOL LIST

REQUIRED TOOLS:

All tools are English standard, unless otherwise specified.

Hand Tools:

Wrenches, Combination – 3/8” thru 1 1/4” by 1/16”s
Tape Measure (10’ or 12’) (Steel Recoiling)
1/2” Drive Socket & Ratchet Set 3/8” thru 1 1/4” 1/16”s
3/8” Drive Socket & Ratchet Set 3/8” thru 7/8”
Screwdrivers – Phillips and Flathead 2 each
Tongue and Groove Pliers (Channel Lock)
Ball Peen Hammer
Cold Chisel 2 Small & Large
Chalk Line Retractable (100’ in Chalk Box)
Hack Saw
Deep Well Sockets 3/8 and 1/2 Drive
Universal Joints 3/8 and 1/2 Drive
Pry Bar 16”
Center Punch
Plumb Bob
Tin Snips (Left Right Straight)
Scraper
Drift Punch Long Taper Punch Line Up Bar (Available in various sizes)
Locking (Vise Grip) Pliers 6” & 10”
Needle Nose Pliers 4 1/2 & 7”
1/2” & 3/8” Drive Extension (2” 6” 8”)
Wrench Hex Key (Allen) 2 sets (.050 – 3/8 English Standard and (1.5 – 10mm Metric)
Adjust Wrench (8” & 10”)
Side Cutter Plier (Available 6 1/2, 7 5/16, 8 1/2)

Precision/Semi-Precision Tools:

Feeler Gauges - Long & Short Sets Straight leaves
Level – Torpedo
Scribe (steel, carbide, etc.)
Scale (6” Steel Rule by 64th)
0-1” Micrometer
Snap Ring Pliers Set
Drill Point Gauge
Combination Square Set with 12” grooved, ruled blade
Calipers, inside/outside 6”
Chain Clamps 2 sets
Magnet with Telescoping Handle
Mirror with Telescoping Handle
Dividers 6”

THIS IS A MINIMUM LIST TO MEET 6TH PERIOD REQUIREMENTS. YOU WILL FIND THAT ADDITIONAL HAND AND PRECISION TOOLS WILL MAKE YOUR JOB TASK EASIER.

7th and 8th PERIOD – JOURNEYMAN TOOL LIST

REQUIRED TOOLS:

All tools are English standard, unless otherwise specified.

Hand Tools:

- Wrenches, Combination – 3/8” thru 1 1/4” by 1/16’s
- Tape Measure (10’ or 12’) (Steel Recoiling)
- 1/2” Drive Socket & Ratchet Set 3/8” thru 1 1/4” 1/16’s
- 3/8” Drive Socket & Ratchet Set 3/8” thru 7/8”
- Screwdrivers – Phillips and Flathead 2 each
- Tongue and Groove Pliers (Channel Lock)
- Ball Peen Hammer
- Cold Chisel 2 Small & Large
- Chalk Line Retractable (100’ in Chalk Box)
- Hack Saw
- Deep Well Sockets 3/8 and 1/2 Drive
- Universal Joints 3/8 and 1/2 Drive
- Pry Bar 16”
- Center Punch
- Plumb Bob
- Tin Snips (Left Right Straight)
- Scraper
- Drift Punch Long Taper Punch Line Up Bar (Available in various sizes)
- Locking (Vise Grip) Pliers 6” & 10”
- Needle Nose Pliers 4 1/2 & 7”
- 1/2” & 3/8” Drive Extension (2” 6” 8”)
- Wrench Hex Key (Allen) 2 sets (.050 – 3/8 English Standard and 1.5 – 10mm Metric)
- Adjust Wrench (8” & 10”)
- Side Cutter Plier (Available 6 1/2, 7 5/16, 8 1/2)

Precision/Semi-Precision Tools:

- Feeler Gauges - Long & Short Sets Straight leaves
- Level – Torpedo
- Scribe (steel, carbide, etc.)
- Scale (6” Steel Rule by 64th)
- 0-1” Micrometer
- Snap Ring Pliers Set
- Drill Point Gauge
- Combination Square Set with 12” grooved, ruled blade
- Calipers, inside/outside 6”
- Chain Clamps 2 sets
- Magnet with Telescoping Handle
- Mirror with Telescoping Handle
- Dividers 6”
- Dial Caliper 6”
- Dial Indicator (2 Sets)
- Mag Bases
- 2 Wedges (non-sparking) Brass or Copper
- 6” Starrett Precision Level 98
- Jack Screw

**THIS IS A MINIMUM LIST TO MEET JOURNEYMAN REQUIREMENTS.
YOU WILL FIND THAT ADDITIONAL HAND AND PRECISION TOOLS WILL
MAKE YOUR JOB TASK EASIER.**

ALL TOOLS SHOULD BE AMERICAN MADE