

# Catalog 5300

P&C HAND FORGED TOOL COMPANY  
BOX 5926, MILWAUKIE P.O.  
PORTLAND 22, OREGON



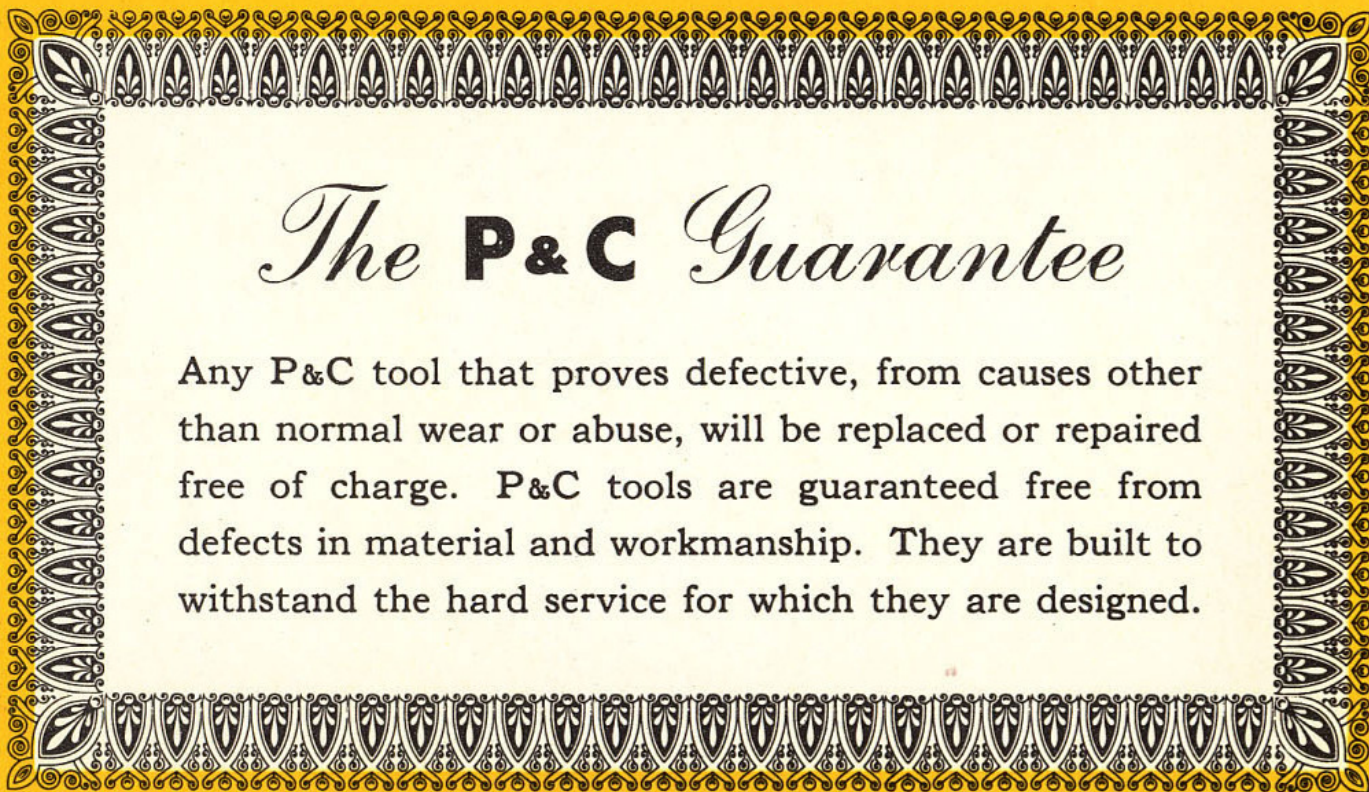


## "THE BEST TOOLS MONEY CAN BUY"

John Peterson and Charles Carlborg started making tools in their blacksmith shop for their own use back in 1920. Their tools were so superior that other mechanics and craftsmen who saw them asked for a chance to buy some for their own use. Each tool they purchased was expertly made for long life and designed for its particular job. That's the way P&C tools are still made today.

Close inspection assures that P&C tools meet rigid specifications. Hot forging and special analysis alloy steel makes them stronger and tougher. Perfect design makes them light weight and easy to handle. On every hand tool job, the best tool you can use is a P&C Hand Forged Tool.

### YOU CAN BUY WITH CONFIDENCE



#### *The P & C Guarantee*

Any P&C tool that proves defective, from causes other than normal wear or abuse, will be replaced or repaired free of charge. P&C tools are guaranteed free from defects in material and workmanship. They are built to withstand the hard service for which they are designed.

**NOTICE** Prices, design, finish, steel analysis and other specifications are subject to change, due to Government restrictions or other causes.

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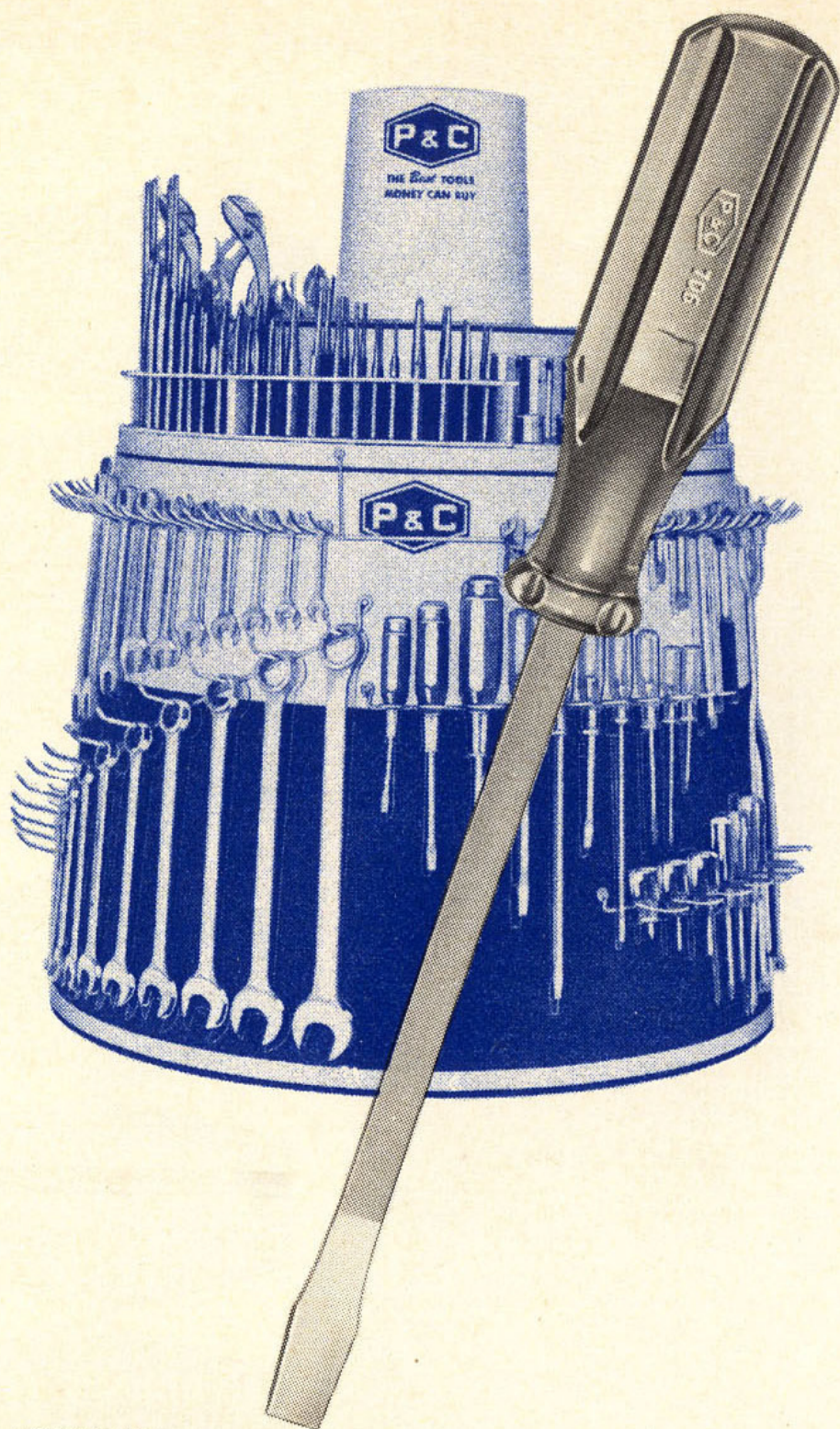
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P&C 5300 LITHO IN U.S.A.





## P & C SCREWDRIVERS

P & C Screwdrivers are both handsome and durable with heavily chrome plated blades and amber plastic handles.

Hand-fitting handles of P & C Screwdrivers are shock proof, fire resistant, uniformly clear plastic. Hammer proof, acid proof, they will not absorb grease. Rounded tops eliminate sore palms. Deeply fluted, they are tapered near bottom for good "feel," sure, easy grip with a knurled tip for "finger twirling."

Extra long P & C Screwdriver shanks and blades are forged from special analysis alloy steel, heat treated, oil tempered, and bits are highly polished to resist rust. They are torque tested against twisting. Tough, hardened, precision ground tip will not chip, and stays sharp.

### ELECTRICIANS' "ROUND SHANK" SCREWDRIVERS

Clear, amber plastic handle is perfect insulator. Slender, round shank extra long to reach tight places and manipulate easily. For light to medium electrical, telephone, radio-TV and general purpose use.

No.	Diam.	Blade	Length	Wt. Lbs.
402	1/8"	2 1/2"	5 1/4"	.05
404	1/8"	4 1/2"	7 1/4"	.06
501	3/16"	1 1/4"	3"	.07
504	3/16"	4"	7 1/2"	.10
508	3/16"	7 1/2"	11"	.13

### MECHANICS' "SQUARE SHANK" SCREWDRIVERS

Extra steel in square shank means added strength. Use a wrench on the square shank to turn the tough ones. From indestructible plastic handle to torque tested, rust resistant shank and oil tempered, heat treated bit, these screwdrivers can take it.

No.	Size	Blade	Length	Wt. Lbs.
601	1/4" square	1 1/2"	3 7/8"	.13
604	1/4"	4"	8"	.15
609	1/4"	9"	13"	.25
706	5/16"	6"	10 1/2"	.33
710	5/16"	10"	14 1/2"	.43
808	3/8"	8"	13"	.55
812	3/8"	12"	19"	.90
816	3/8"	16"	23"	1.05

**WOOD HANDLE SCREWDRIVERS** Octagon handles are made of seasoned, selected, clear Birch, with natural finish. Rounded metal cap protects top of handle. Steel rivet through cap, handle and blade holds them as one. Same tough, steel shank and tempered blade. Steel ferrule protects blade end of handle. Seven sizes for slotted screws.

No.	Diam.	Blade	Length	Wt. Lbs.
551	3/16"	1 1/2"	4 1/2"	.10
553	3/16"	2 1/2"	6 5/8"	.12
559	3/16"	9"	13 1/4"	.17
654	1/4"	4"	9 1/8"	.22
660	1/4"	9 1/2"	14 1/2"	.30
756	5/16"	6"	12"	.42
760	5/16"	10"	16"	.50

**PHILLIPS SCREWDRIVERS** Precision machined, heat treated bits give exact fit in Phillips cross-slot screws. Five screwdriver sizes will fit 25 Phillips head screw sizes. Tough, plastic handles, chrome plated shank.

No.	Phillips Blade Size	Blade	Length	Wt. Lbs.
573	1	3"	6 1/2"	.10
670	2	9/16"	2 1/2"	.08
674	2	4"	8"	.15
776	3	6"	10 1/2"	.28
878	4	8 1/2"	13 1/2"	.50

**WOOD HANDLE SCREWDRIVER** For Phillips head screws, without metal cap on handle.

No.	Phillips Blade Size	Blade	Length	Wt. Lbs.
523	1	3"	6 1/4"	.08
624	2	4"	8 7/8"	.18
726	3	6"	12"	.30
828	4	8"	14 1/2"	.52

**DOUBLE END OFFSET SCREWDRIVERS** Blades at right angles to each other on opposite sides of handle. Heat treated bits highly polished, over-all rust resistant. Works fine in close quarters.

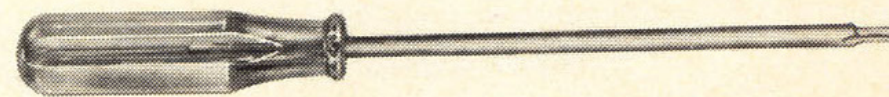
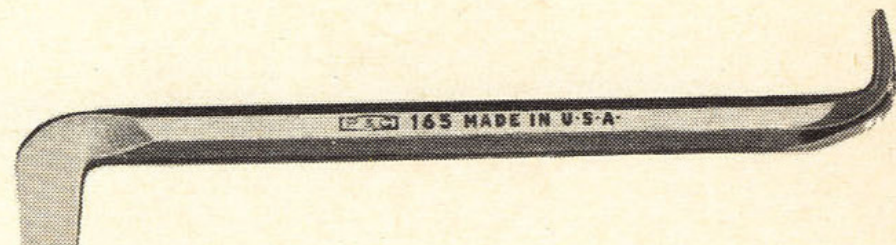
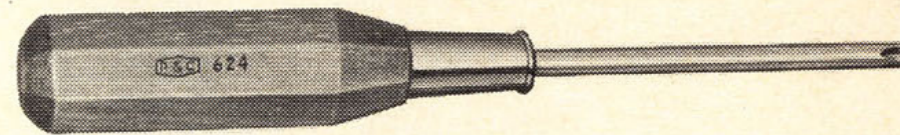
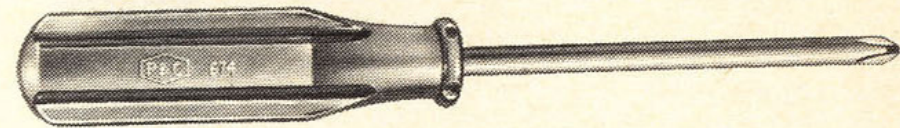
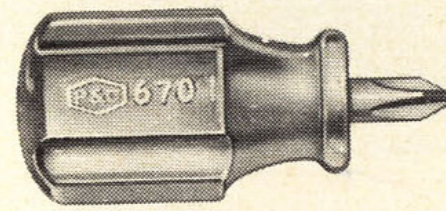
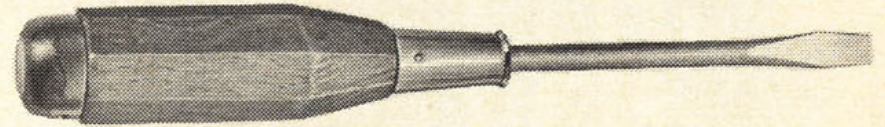
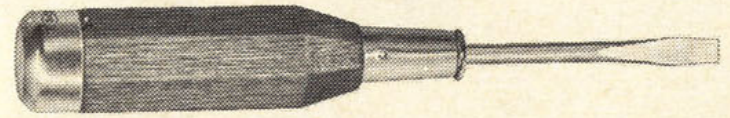
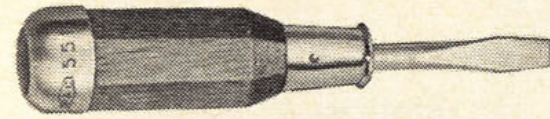
No.	Stock	Blade	Length	Wt.
164	1/4"	4 3/4"	4 3/4"	.07 lbs.
165	5/16"	5"	5"	.11
166	3/8"	6 1/8"	6 1/8"	.19

**CLUTCH HEAD SCREWDRIVERS** P&C Clutch head Screwdrivers are engineered to the most efficient sizes and shapes for assembly, maintenance or repair work where this type screw is used.

Type G design bits are precisely machined for accurate fit on screws with "Figure 8" or "Butterfly" type heads.

Same durable, amber plastic handles and round, chrome plated, torque tested shanks found on other P&C Screwdrivers.

No.	Bit Size	Blade	Length	Wt. lbs.
483	5/32"	5 1/8"	9 1/8"	.19
584	3/16"	5 7/8"	9 7/8"	.20
685	1/4"	6 1/8"	10 1/2"	.32
786	5/16"	6 1/8"	11 1/8"	.38





## P&C PUNCHES and CHISELS

Beveled heads, sandblasted, grey satin finish, large octagon handles, highly polished taper or bevel and precision ground point or cutting edge make P & C Punches and Chisels the finest money can buy.

Hot forged from special analysis alloy steel of the highest quality, they are scientifically tempered to cut any metal that can be filed. The big octagon handles are easy to hold, easier to hit, and will not chip. Every tool is lacquer-dipped to resist rust.

### P&C CHISELS

#### COLD CHISELS

No.	Stock Size	Cut Size	Length	Wt. Lbs.
10	1/4"	9/32"	4 1/2"	.08
11	5/16"	3/8"	5"	.13
12	3/8"	7/16"	5 1/2"	.18
13	1/2"	9/16"	6"	.33
14	5/8"	11/16"	6 1/2"	.53
15	3/4"	13/16"	7"	.78
17	3/4"	7/8"	12"	1.43
18	7/8"	1"	12"	1.93
19	1"	1 3/16"	12"	2.4

**CAPE CHISELS** Keen, highly tempered cutting edge precision ground to most efficient cutting angle. All other P & C Chisel features, too.

No.	Stock Size	Cut Size	Length	Wt. Lbs.
30	1/4"	3/16"	4 1/2"	.08
31	5/16"	1/4"	5 1/4"	.13
32	3/8"	5/16"	5 3/4"	.18
33	1/2"	3/8"	6 1/4"	.33
34	5/8"	7/16"	7"	.50

**DIAMOND POINT CHISELS** Precisely ground, highly tempered point. Polished taper, grey finish, beveled head. Resists rust.

No.	Stock Size	Cut Size	Length	Wt. Lbs.
40	1/4"	5/32"	4 1/2"	.08
41	5/16"	3/16"	5"	.13
42	3/8"	7/32"	5 1/2"	.18
43	1/2"	9/32"	6"	.33

**RIVET SHEAR** Has all features of P & C Chisels plus special offset design for shearing rivets. Long wearing edge precision ground to correct cutting angle.

No.	Stock Size	Cut Size	Length	Wt. Lbs.
92	3/4"	7/8"	12"	1.4

**ROUND NOSE CHISELS** Cuts round or semi-circular grooves rapidly with precision ground, long wearing point. Very handy for hand working metal.

No.	Stock Size	Cut Size	Length	Wt. Lbs.
50	1/4"	3/32"	4 1/2"	.08
51	5/16"	5/32"	5 1/4"	.13
52	3/8"	3/16"	5 3/4"	.18
53	1/2"	1/4"	6 1/4"	.33



**P&C PUNCHES**

**CENTER PUNCHES**

No.	Stock Size	Length	Wt. Lbs.
20	1/4"	4"	.05
21	5/16"	4 1/2"	.10
22	3/8"	4 3/4"	.15
23	1/2"	5"	.25
24	5/8"	6"	.45



**PRICK PUNCHES** An ideal tool for marking metal. Has extremely tough, sharp, precision ground point. Highly polished taper, satin grey finish, beveled head. Lacquer dipped to resist rust.

No.	Stock Size	Length	Wt. Lbs.
27	1/4"	4 1/2"	.08
28	5/16"	5"	.10
29	3/8"	5 1/2"	.15



**PIN PUNCHES**

No.	Stock Size	Point Diam.	Point Length	Length	Wt. Lbs.
58	1/4"	1/16"	1 1/4"	4 1/4"	.05
60	1/4"	3/32"	1 1/4"	4 1/4"	.05
61	5/16"	1/8"	1 3/8"	4 1/2"	.08
62	5/16"	5/32"	1 3/8"	5"	.10
63	3/8"	3/16"	1 3/8"	5 1/4"	.13
64	7/16"	7/32"	2 5/8"	5 1/2"	.18
64-1	1/2"	1/4"	2 5/8"	5 3/4"	.23



**STARTER PUNCHES** A serviceable tool made of tough tempered steel. Polished taper, beveled head, grey finish, lacquer dipped to resist rust.

No.	Stock Size	Point Diam.	Point Length	Length	Wt. Lbs.
66	3/8"	5/32"	2 3/8"	5"	.15
67	1/2"	3/16"	2 3/8"	5"	.25



**DRIFT PUNCHES**

No.	Stock Size	Point Diam.	Length	Wt. Lbs.
70	1/4"	3/32"	10"	.10
71	5/16"	1/8"	10"	.15
72	3/8"	3/16"	10"	.23
73	7/16"	7/32"	10"	.33
74	1/2"	1/4"	10"	.43
75	5/8"	5/16"	10"	.68
76	3/4"	3/8"	10"	1.00



**ALIGNING PUNCH**

No.	Stock	Point	Length	Wt. Lbs.
88	5/8"	3/16"	16"	.98





## P&C PLIERS

Scientifically designed P&C Pliers are forged from highest quality alloy steel. Deeply milled teeth are oil tempered to retain their sharpness and insure positive grip under long, hard use.

Tempered joint-bolts hold the job-shaped jaws in perfect alignment. All P&C Pliers have polished heads and slip-joint pliers are chrome plated against rust and for ease of manipulation. Cutting edges are induction hardened against chipping and dulling.

The scientifically engineered leverage and balance of all P&C Pliers assures the user of doing a job faster, with a firmer grip and least effort.

There is a pair of P&C Pliers for every job where pliers are used, and they are fully guaranteed.

### **P&C** SLIP JOINT PLIERS

**SLIP JOINT COMBINATION PLIERS** Fine balance, sturdy, rounded nose, sharply milled teeth. Hardened steel joint bolt keeps perfect alignment. Shear type cutter in throat. Aligned holes near joint for precise shear cutting take wire up to  $\frac{1}{8}$ ". Two position slip joint precision cut for easy adjusting.

No. 1275	Length 5"	Wt. .26 lbs.
1276	6"	.41
1278	8"	.50
1280	10"	.88

**THIN JAW COMBINATION PLIERS** Ideal for close, intricate work. Tapered jaws effective in tight places. Sharp teeth for solid grip. Shear-type cutter in throat. Wide capacity, two position slip joint.

No. 1201	Length 5"	Wt. .25 lbs.
1202	6"	.35

**MEDIUM DUTY WATER PUMP PLIERS** Has same versatile features and adjustments of No. 1240, but is only  $\frac{9}{32}$ " thick. Special alloy steel and pipe wrench gripping power make this tool more than strong enough for light and medium jobs.

No. 1241	Length 9 $\frac{1}{2}$ "	Wt. .58 lbs.
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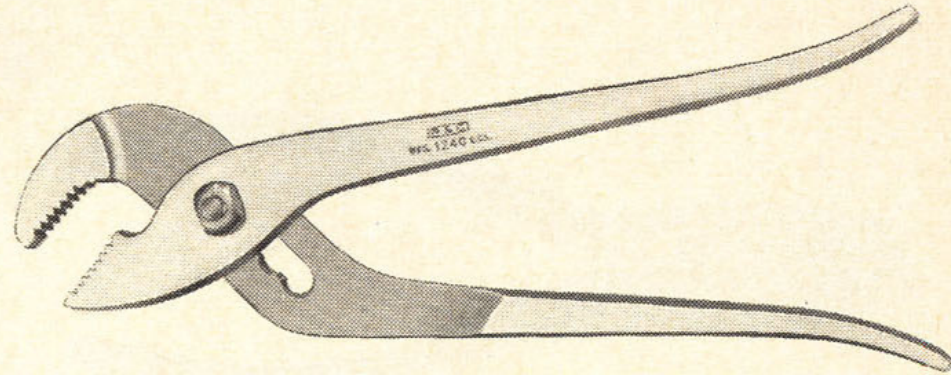
**MULTIPLE-GROOVE UTILITY PLIERS** Five tongue-and-groove adjustments, plus slip joint, provide wide range of openings. Grooves hold jaws securely in desired position, taking strain off bolt. Heavy duty with many uses.

No. 1243	Length 9 $\frac{1}{2}$ "	Wt. .81 lbs.
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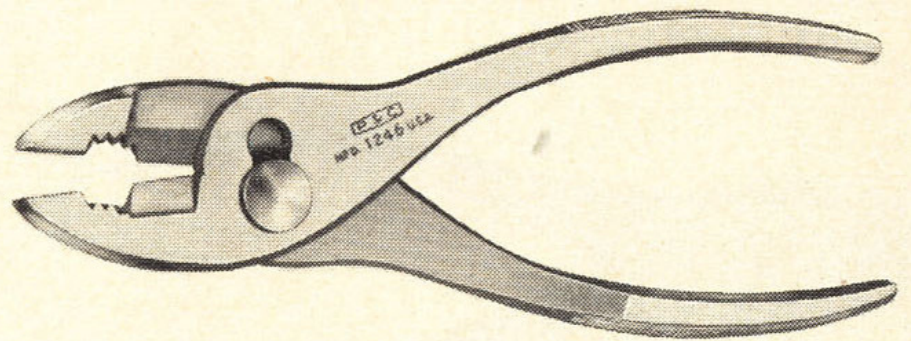
**HEAVY DUTY WATER PUMP PLIERS** Five jaw positions, long, sturdy handles and offset jaws make this tool ideal for most plier or pipe wrench jobs. Wide jaw radius, deeply milled, oil tempered teeth, perfect balance, powerful leverage.

No. 1240 Length 9½" Wt. .58 lbs.



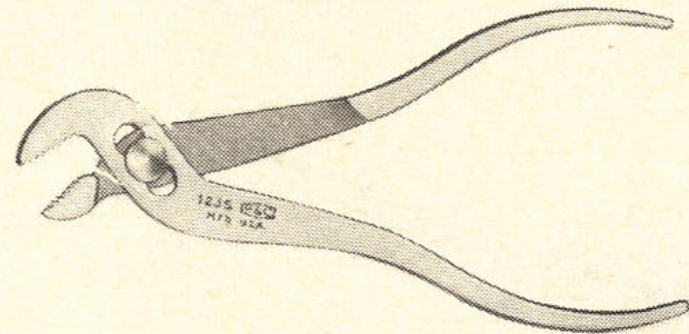
**SIDE CUTTING SLIP JOINT COMBINATION PLIERS** All the features of slip joint combination pliers plus durable, induction hardened side cutter and extra strong tempered bolt for easy, positive cutting on most wire and nails.

No. 1246 Length 6" Wt. .49 lbs.



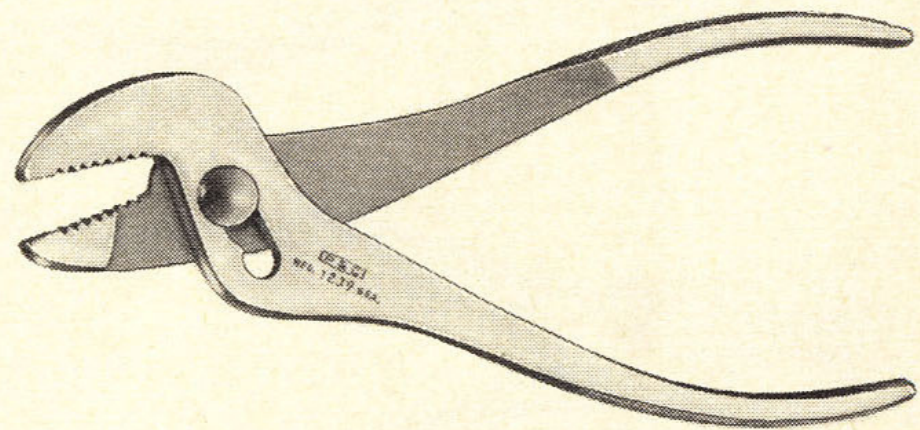
**SLIP JOINT IGNITION PLIERS** Three slip joint positions allow parallel opening up to 3/8". Designed for ignition and electrical work, ideal for any intricate, hard-to-reach job. Handles give good leverage, make adjustments and use easy.

No. 1235 Length 4½" Wt. .07 lbs.



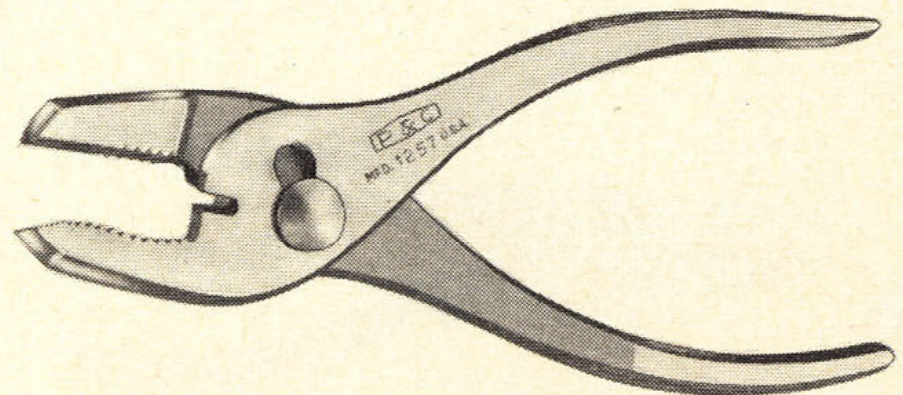
**LONG NOSE WRENCH PLIERS** Milled teeth and powerful leverage make this a popular tool. Long, slender nose, offset 20°, holds objects in front of center, gives extra grip for holding, turning, etc. Three position slip joint adapts them to wide range of sizes.

No. 1239 Length 8" Wt. .54 lbs.



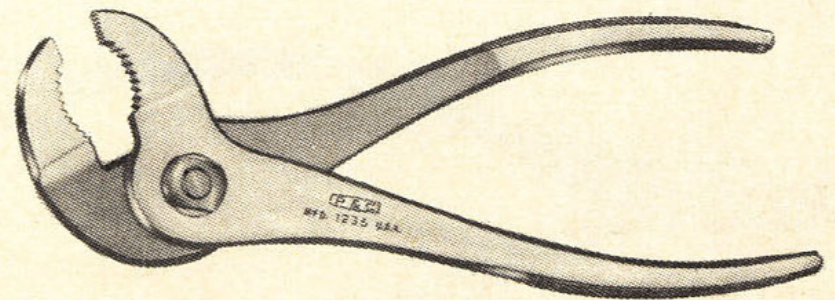
**HEAVY DUTY-UNIVERSAL PLIERS** Husky pliers designed for a wide range of jobs. One jaw curved to grip round or irregular objects, other jaw straight with groove for gripping wire, pins or nails. Deep milled teeth, heavy, induction hardened shear-type cutter, tempered bolt in two position slip joint.

No. 1257 Length 7" Wt. .58 lbs.



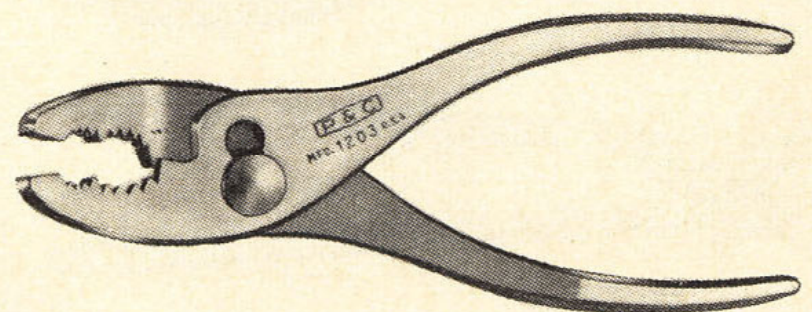
**PARROT NOSE WRENCH PLIERS** Ideal for pipe, shaft and tubing work. Pipe wrench design gives firm grip. Powerful leverage from four slip joint positions gives wide capacity. Nose offset 75° to reach awkward jobs.

No. 1236 Length 6" Wt. .41 lbs.  
1238 7½" .61

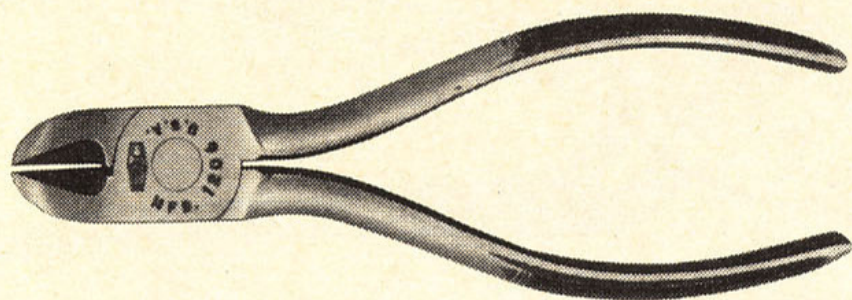


**BENT NOSE THIN JAW COMBINATION PLIERS** Excellent for motor work and overhauls. Will reach places with ease that other pliers can't. Thin jaws offset 30° make handy nail or staple puller. Other features same as thin jaw combination pliers.

No. 1203 Length 7" Wt. .43 lbs.

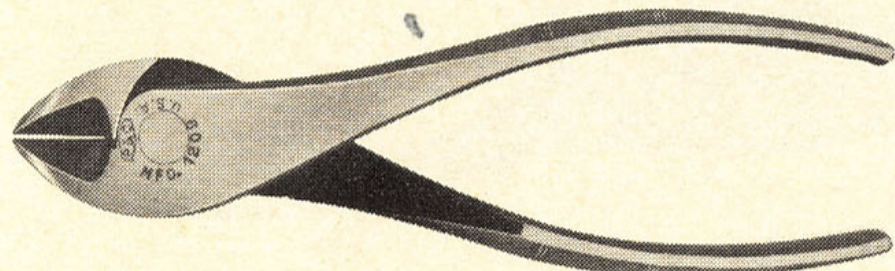


## P & C CUTTING AND SPECIAL PLIERS



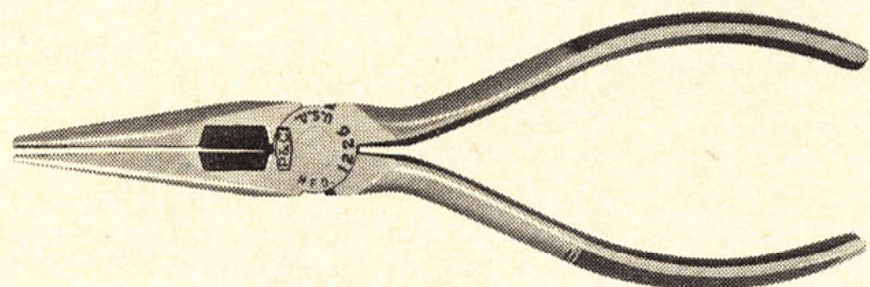
**DIAGONAL CUTTING PLIERS** Cutting edges are induction hardened and hand honed after assembly for lasting sharpness. Three sizes for economical, light and medium switchboard, telephone, ignition and general electrical use.

No. 1204	Length 4½"	Wt. .20 lbs.
1206	6"	.37
1207	7"	.54



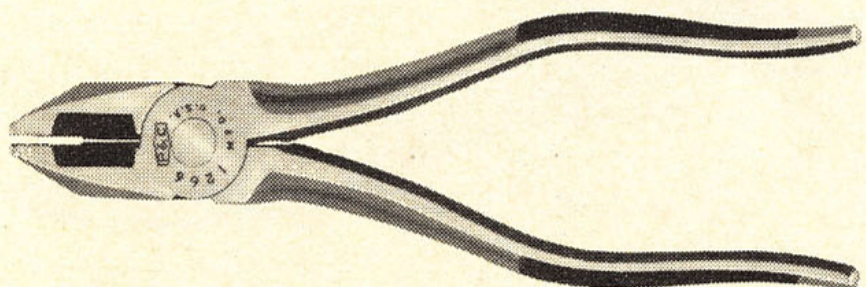
**HEAVY DUTY DIAGONAL CUTTING PLIERS** Tremendous leverage from short, powerful jaws set very close to solidly riveted joint. Perfect alignment, leverage, and balance make difficult cutting jobs fast and effortless. Other features same as No. 1207.

No. 1209 Length 7" Wt. .49 lbs.



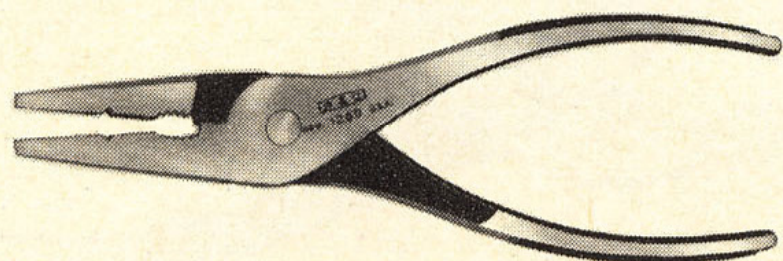
**NEEDLE NOSE SIDE CUTTING PLIERS** Electricians, radio men, telephone men and mechanics all prefer the long, thin taper, firm grip and spring tempered jaws of these pliers. Flush joint is precision fitted for wobble-free action and keeps keen edges of hand honed side cutters aligned perfectly.

No. 1226 Length 6" Wt. .28 lbs.



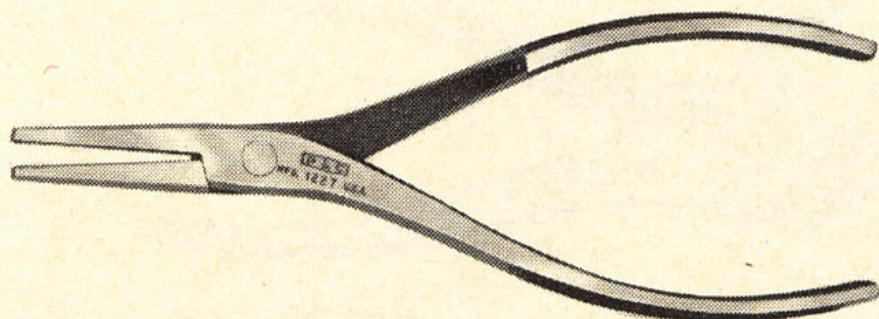
**LINEMAN'S SIDE CUTTING PLIERS** Although designed for heavy duty line work, they're valuable to all mechanics and men doing wiring and electrical equipment installation and maintenance. Hand honed edges of induction hardened cutters are kept perfectly aligned by extremely heavy and tempered flush steel joint bolt.

No. 1266	Length 6"	Wt. .43 lbs.
1268	8"	.81



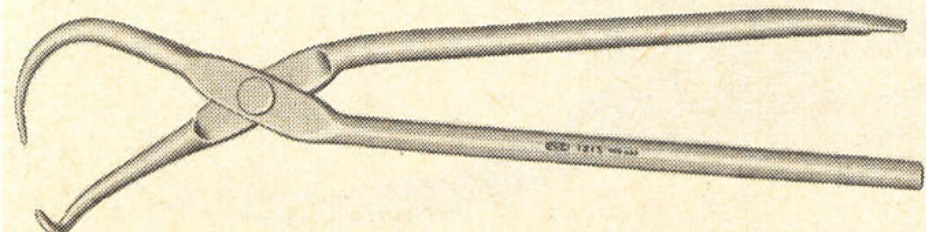
**TELEPHONE PLIERS** Telephone, TV, radio and electrical installation and repair work are easier with these pliers. Excellent for manipulating wire and wiring. Heavy, flush riveted joint and shear-type wire cutter.

No. 1260 Length 6" Wt. .25 lbs.



**DUCK BILL PLIERS** An excellent tool for office machines, carburetors, radio-TV sets, or refrigerators. Tapered jaws 1½" and long handles give powerful leverage. Deeply milled, oil tempered teeth give extra grip. Solid riveted joint.

No. 1227 Length 8" Wt. .44 lbs.



**BRAKE SPRING PLIERS** The curved jaw clears the brake shoe for close adjustment with center line of spring. Thin hooked jaw slips easily under spring. Tempered rivet and long handles give powerful leverage and extra strength.

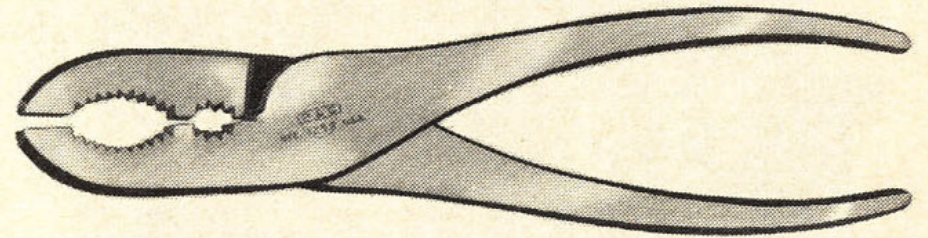
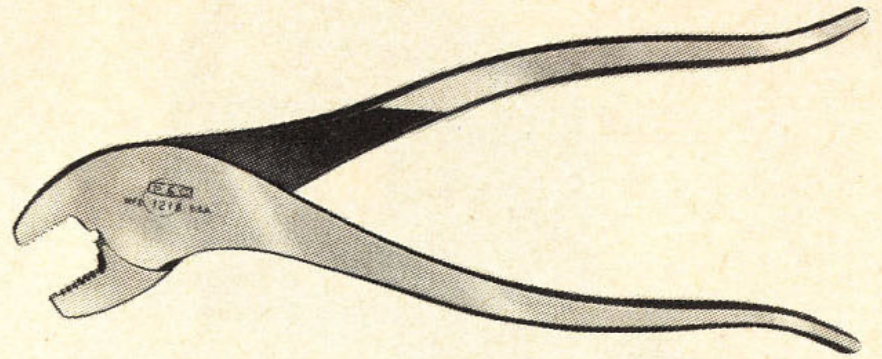
No. 1215 Length 12" Wt. .71 lbs.

**ANGLE NOSE BATTERY PLIERS** Terminal nuts manipulate easily with these thin, 30° offset jaws and long, hand fitting handles. Jaws are shaped for maximum grip regardless of nut condition. Riveted joint for extra strength. Jaw openings 5/16" to 1 1/8".

No. 1218 Length 8" Wt. .49 lbs.

**GAS PLIERS** Deep, sharp teeth are milled in two sizes on the sturdy jaws to hold a wide range of tubing sizes without adjustment. Lengthwise teeth at end of jaws give positive grip on wire and pins. Heavy, flush rivet joint insures perfect alignment.

No. 1258 Length 6" Wt. .25 lbs.



**P&C SPECIAL TOOL SETS**

**24 piece PUNCH and CHISEL set**

One each of the following:

Cold Chisels Nos. 10, 11, 12, 13, 14

Cape Chisels Nos. 30, 31, 32, 33

Diamond Chisels Nos. 40, 41, 42

Round Nose Chisels Nos. 50, 52

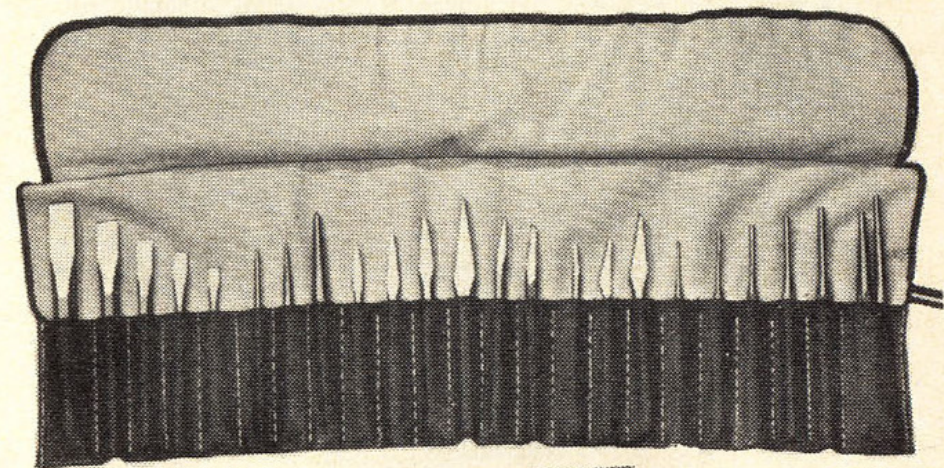
Center Punches Nos. 21, 23

Prick Punch No. 27

Pin Punches Nos. 60, 61, 62, 63, 64

Starter Punches Nos. 66, 67

Set No. 1 . . . . . Wt. 3.8 lbs.



**ALL-PURPOSE SCREWDRIVER SET** Ideal for home, office or shop, contains four most-used screwdrivers, two round shank, one square shank, one Phillips, all with shockproof plastic handles. Set includes:

No.	Shank	Blade	Length
402	Diam. 1/8"	2 1/2"	5 1/4"
504	Diam. 3/16"	4"	7 1/2"
674	Phillips No. 2	4"	8"
706	5/16" square	6"	10 1/2"

Set No. 4—All-Purpose Screwdriver Set—Wt. 1.0 lbs.

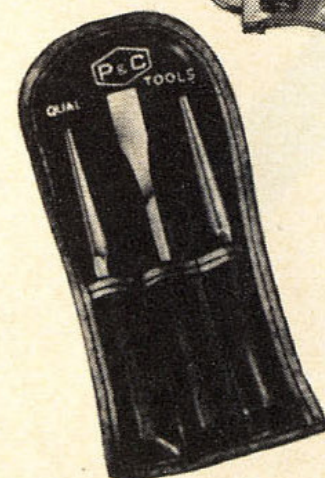
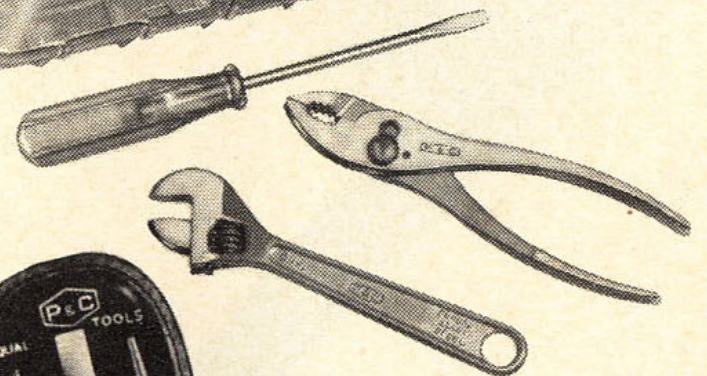
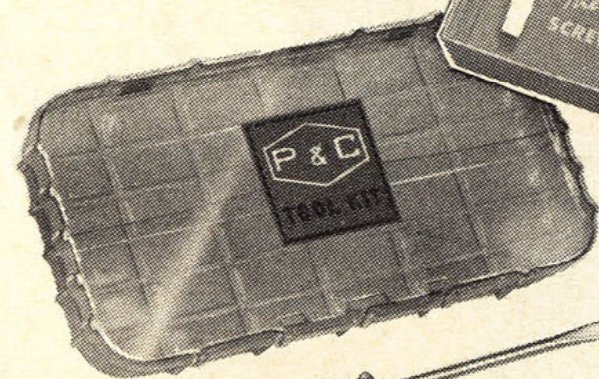
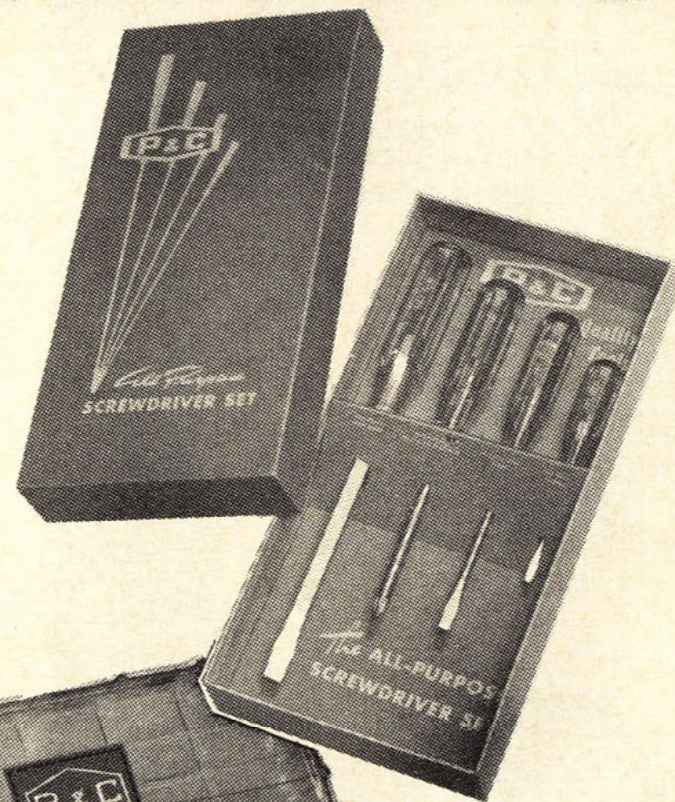
**P&C TOOL KIT No. 5** You will find the tools needed most frequently around the home, shop, car, boat or any other place in this P&C Kit No. 5. It includes a No. 1706 6" adjustable wrench, No. 1276 6" slip-joint combination pliers and a No. 504 plastic handle screwdriver with 4" blade.

These P&C tools are the highest quality, forged from finest alloy steel. For detail of tool design and construction, see the appropriate catalog section. Kit No. 5, in 8 1/4" x 4 1/4" x 1 1/2" Plastic box. Wt. 1 lb.

**3 piece PUNCH and CHISEL set**

- Includes: Cold Chisel No. 12
- Center Punch No. 22
- Starter Punch No. 66
- Plastic Kit

Set No. 9 . . . . . Wt. .45 lbs.

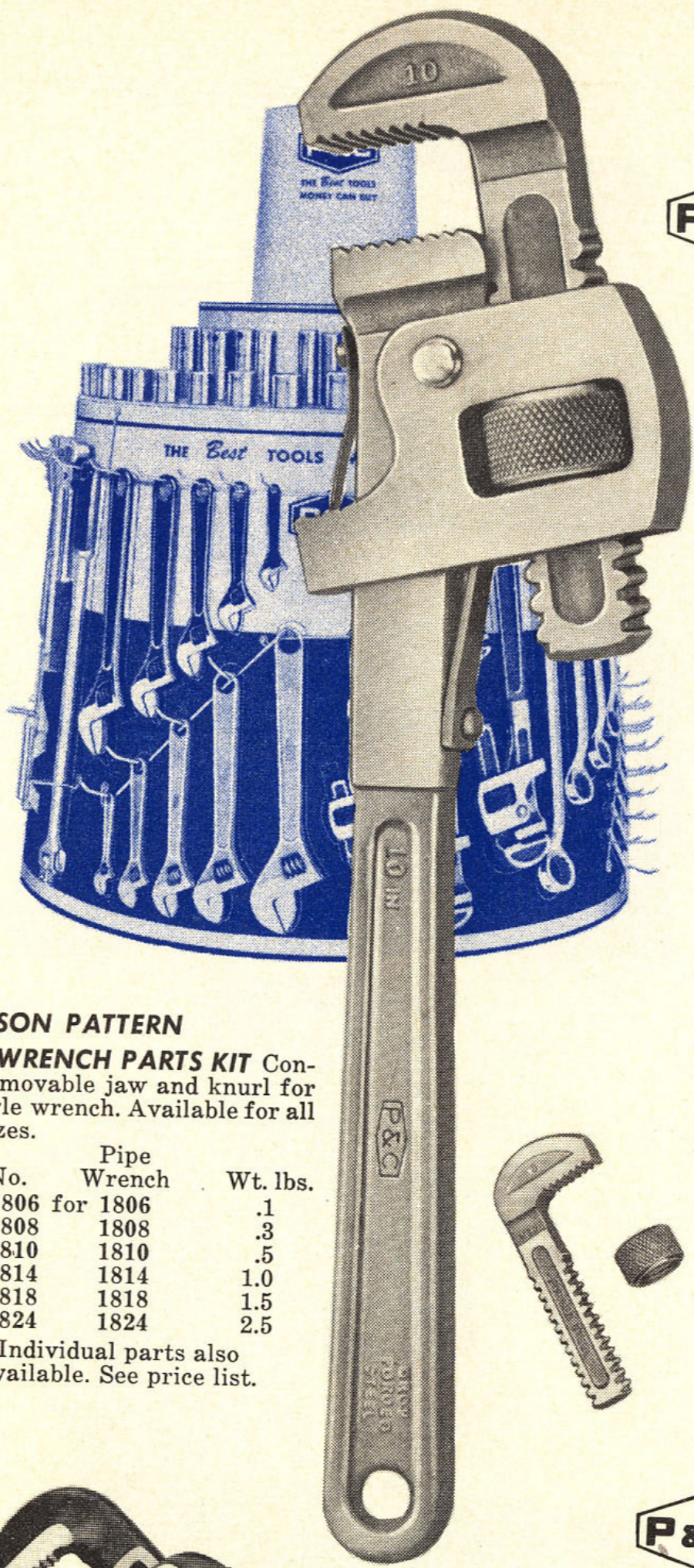


# P & C PIPE WRENCHES

## P & C Stillson Pattern

Expertly made, they substantially exceed rigid Government specifications. Forged from the finest, special analysis alloy steel. Deeply milled teeth are oil tempered, will stay sharp for years of sure grip. Rugged, hot-forged handle designed for powerful leverage. Tough, tempered rivet withstands stress. Highest quality spring steel keeps movable jaw in engaging position.

Precisely milled, burr-free threads on the moveable jaw, and easy turning, close meshed knurl, allows quick, sure adjustments. Faces and sides of jaws and frame are highly polished. The handles are painted distinctive P & C Blue. There is a P & C Pipe Wrench to fit any pipe from 1/4" to 2 1/2". It will stay on the job longer too because P & C tools are built to do the toughest jobs.



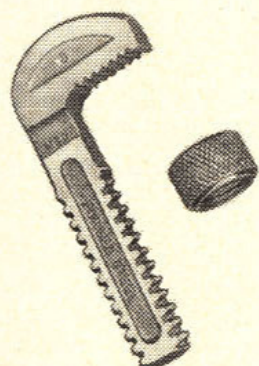
### STILLSON PATTERN

**PIPE WRENCH PARTS KIT** Contains movable jaw and knurl for a single wrench. Available for all six sizes.

No.	Pipe Wrench	Wt. lbs.
X1806	for 1806	.1
X1808	1808	.3
X1810	1810	.5
X1814	1814	1.0
X1818	1818	1.5
X1824	1824	2.5

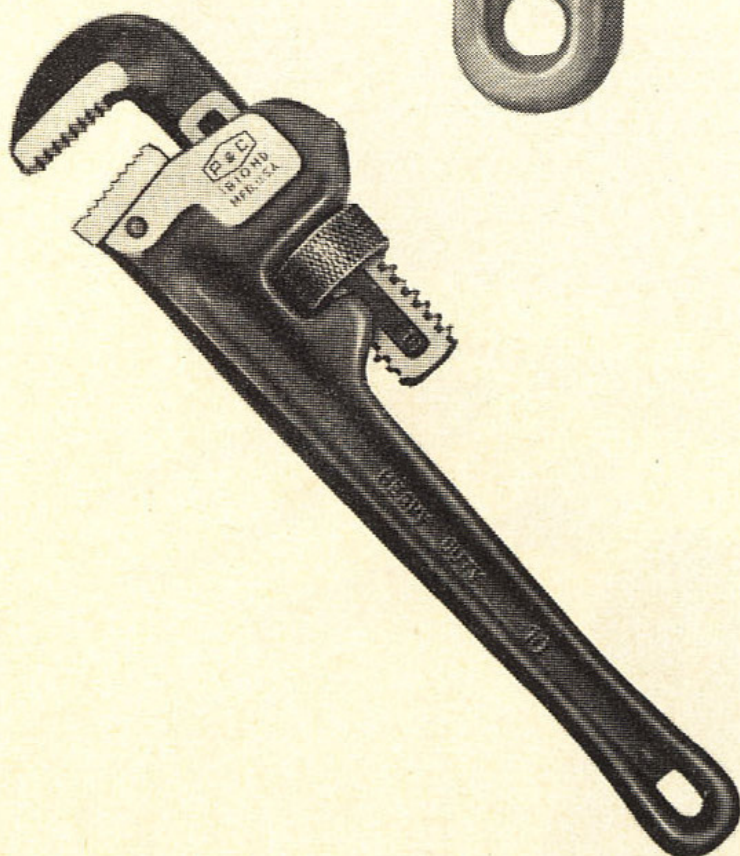
Individual parts also available. See price list.

No.	Max. Opening	Length	Wt. Lbs.
1806	1/2"	6"	.31
1808	3/4"	8"	.64
1810	1"	10"	1.36
1814	1 1/2"	14"	2.80
1818	2"	18"	4.00
1824	2 1/2"	24"	7.20



## P & C HEAVY DUTY PIPE WRENCHES

A powerful wrench, perfectly engineered for tough pipe and plumbing jobs—that's P & C's heavy duty pipe wrench. Features include special alloy steel; heat-treated, precision ground teeth; tapered, "I-beam" type handle; pipe sizes on moveable jaw; simple design, only 4 parts; light weight and perfect balance; P & C Blue handle.



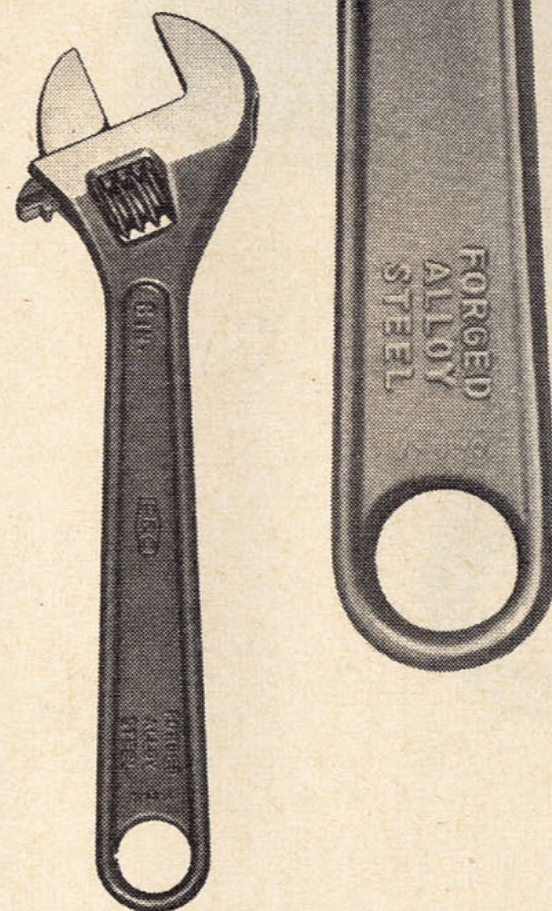
No.	Length	Wt.
1806 HD	6"	.4 lbs.
1808 HD	8"	.7
1810 HD	10"	1.5
1814 HD	14"	3.0
1818 HD	18"	5.0
1824 HD	24"	8.3

# P&C ADJUSTABLE WRENCHES

Because P & C has eliminated the corner lip on the movable jaw, more jaw surface bears on all nuts—even square nuts—and results in greater adaptability to nut sizes, firmer grip and more powerful leverage. “Knuckle busting” due to slippage is eliminated.

Oil tempered at points of stress, the strong jaws are thin, light and 22½° offset. The moveable jaw is hand fitted to insure smooth, positive action. Four heat treated threads on the screw are deeply knurled and accurately mesh with the moveable jaw, assuring firm adjustment under any pressure.

Available in 5 sizes with satin chrome finish and highly polished, rust resisting heads and handles; 7 sizes in semi-finished handles and highly polished heads. Handles designed for positive grip. Forged from special analysis alloy steel.

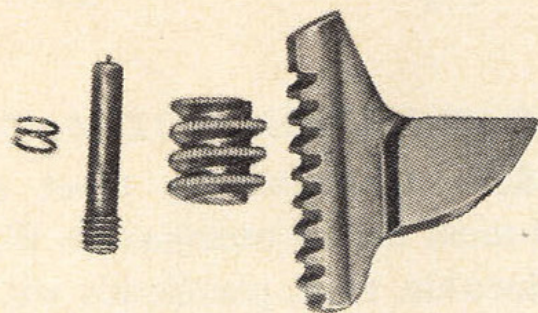


## FULL CHROME PLATED

No.	Length	Maximum Opening	Wt. lbs.
1704	4"	1/2"	.08
1706	6"	3/4"	.25
1708	8"	15/16"	.53
1710	10"	1 1/8"	.85
1712	12"	1 3/16"	1.61

## SEMI-FINISH

No.	Length	Maximum Opening	Wt. lbs.
1704-S	4"	1/2"	.08
1706-S	6"	3/4"	.25
1708-S	8"	15/16"	.53
1710-S	10"	1 1/8"	.85
1712-S	12"	1 3/16"	1.61
1716-S	16"	1 7/8"	3.60
1720-S	20"	2 1/2"	6.00



**REPLACEMENT PARTS KIT** Contains movable jaw, knurl, pin and spring for a single wrench. Available for all sizes in both finishes.

No.	For Adj. Wrench	Wt. lbs.
X1704	1704	.03
X1704-S	1704-S	.03
X1706	1706	.06
X1706-S	1706-S	.06
X1708	1708	.1
X1708-S	1708-S	.1
X1710	1710	.2
X1710-S	1710-S	.2
X1712	1712	.3
X1712-S	1712-S	.3
X1716-S	1716-S	.8
X1720-S	1720-S	1.3

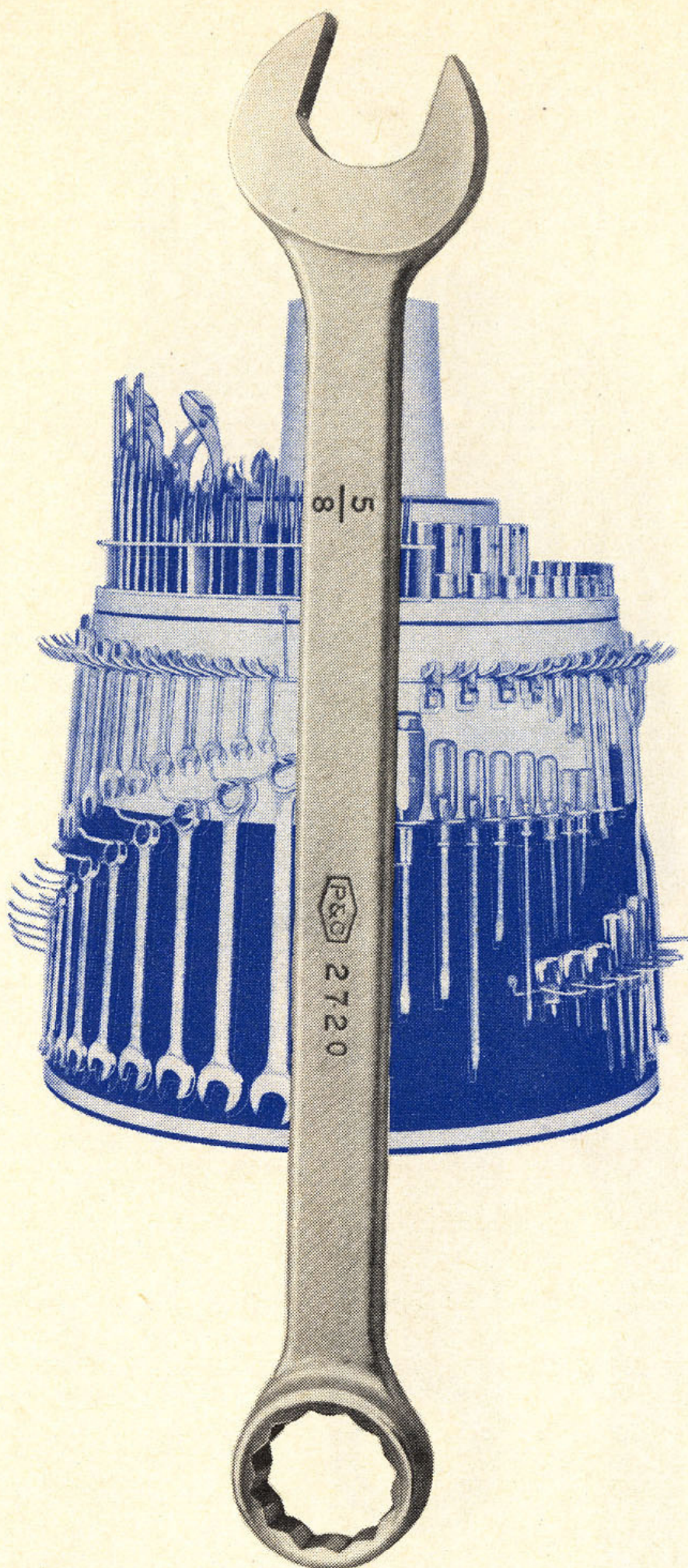
Individual parts also available. See price list.

## P & C COMBINATION WRENCHES—

### Box and Open End

The most popular type wrench made, it combines the advantages of open end and box wrenches in one tool. Box ends are offset 15° for knuckle clearance and their 12 point design turns a hex nut with only 15° swing. Open ends at 15° angle to shank need only 30° swing. Long handles give extra leverage, have rounded edges for easy, firm grip.

P & C Combination Wrenches are drop forged from special analysis alloy steel and oil tempered for long service. Polished heads and satin finish handles protected by heavy chrome plate. Each wrench has same size on both ends.



No.	Opening	Length	Wt. lbs.
2708	1/4" (6 point)	3"	.02
2710	5/16" (12 point)	3 3/8"	.05
2712	3/8"	4 1/2"	.07
2714	7/16"	5 1/2"	.10
2716	1/2"	6 1/4"	.14
2718	9/16"	7"	.20
2720	5/8"	7 3/4"	.26
2722	11/16"	8 3/8"	.32
2724	3/4"	9 1/8"	.41
2726	13/16"	10 3/8"	.50
2728	7/8"	11 1/4"	.59
2730	15/16"	12 1/4"	.62
2732	1"	13 3/8"	.86
2734	1 1/16"	14 1/2"	1.03
2736	1 1/8"	15 1/2"	1.23
2740	1 1/4"	17"	1.70
2742	1 5/16"	18"	1.95
2744	1 3/8"	19 3/8"	2.2
2746	1 7/16"	20 5/8"	2.5
2748	1 1/2"	21 3/4"	2.9
2752	1 5/8"	23"	3.2



**6 piece COMBINATION BOX AND OPEN END WRENCH SET** Contains six most popular, most wanted and most used Combination Wrenches. Sizes labeled on durable, blue, plastic kit with transparent pockets. Includes Nos. 2714, 2716, 2718, 2720, 2722, and 2724.

No. 2700-B Combination Wrench Set Wt. 1.7 lbs.

# P & C OPEN-END WRENCHES

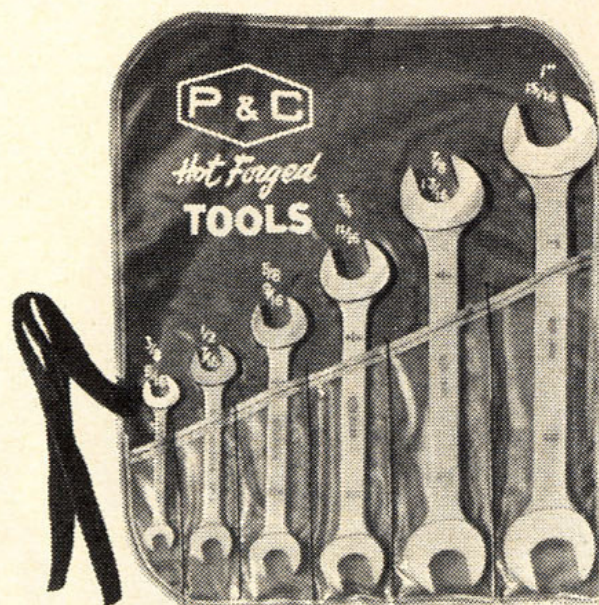
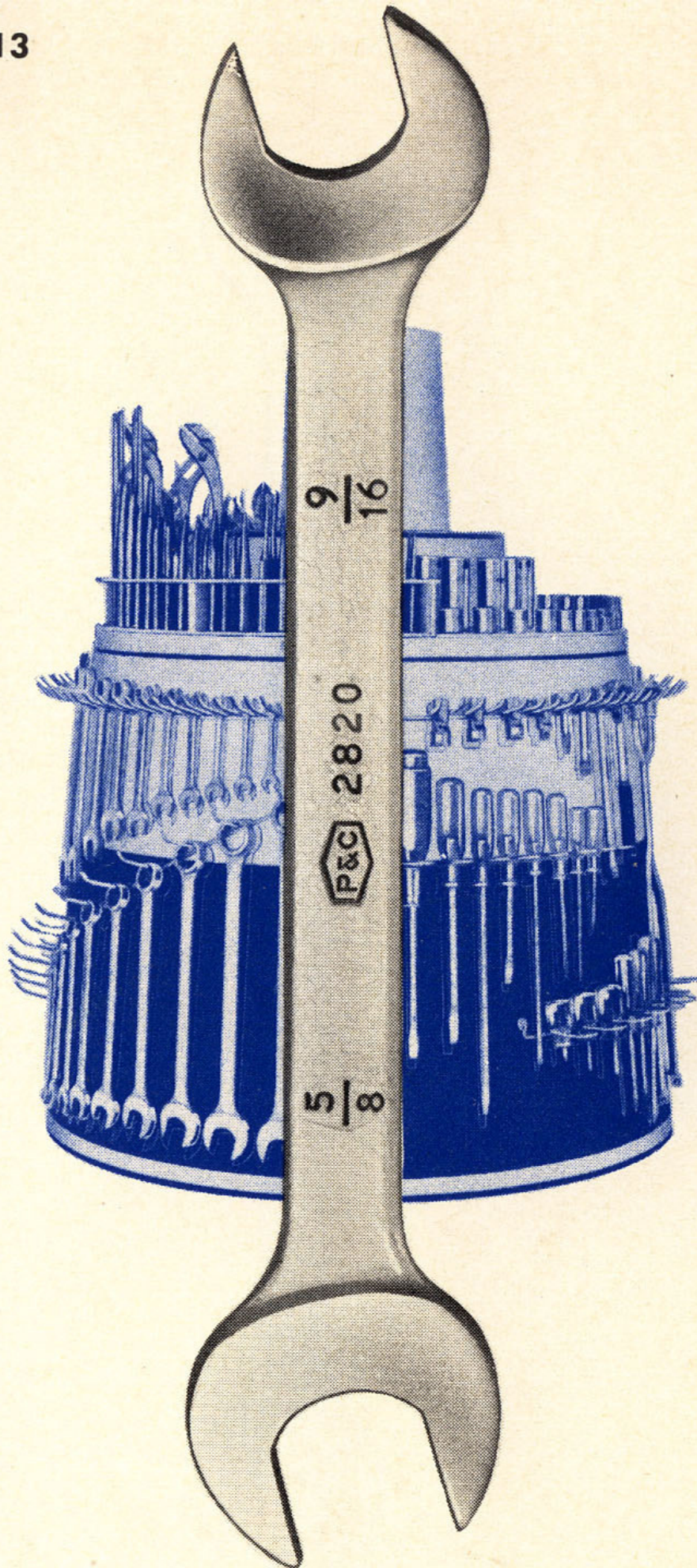
Drop forged from our special analysis alloy steel with thin, tapered jaws, thin, round-edged handles. Jaw openings precisely milled for positive fit without slipping. The 15° jaw angle, by "flopping" wrench, allows continuous turning of hex nut in 30° swing.

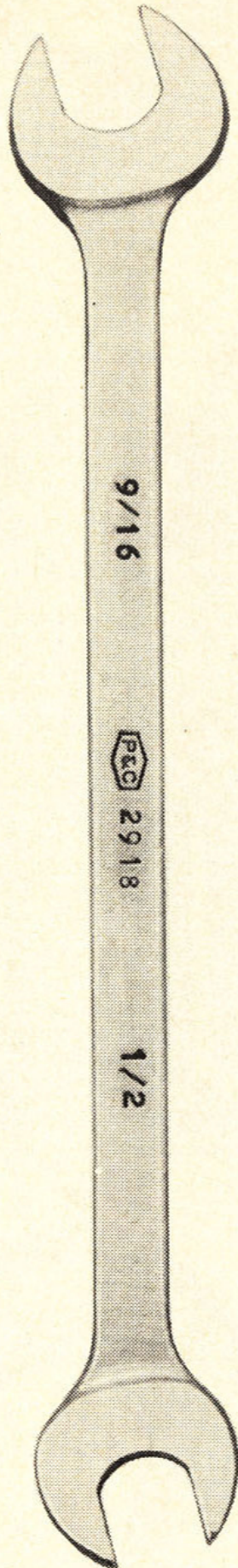
The perfect balance of P & C Open End Wrenches is achieved by scientifically calculated handle length to give maximum leverage in proportion to jaw capacity. Chrome plated, they resist rust. Traditional P & C quality makes them last longer under hard use.

No.	Openings	Length	Wt. lbs.
2810	1/4" and 5/16"	3 1/2"	.05
2812	5/16" and 3/8"	4"	.06
2814	3/8" and 7/16"	4 1/2"	.08
2816	7/16" and 1/2"	5"	.11
2818	1/2" and 9/16"	5 1/2"	.15
2819	1/2" and 19/32"	6 3/8"	.15
2820	9/16" and 5/8"	6 1/4"	.21
2821	19/32" and 11/16"	7 5/8"	.26
2822	5/8" and 11/16"	8 1/8"	.28
2824	5/8" and 3/4"	8"	.30
2825	11/16" and 3/4"	8"	.33
2828	3/4" and 7/8"	9 1/8"	.46
2829	13/16" and 7/8"	9 3/4"	.59
2832	15/16" and 1"	11 1/4"	.85
2834	15/16" and 1 1/16"	13"	.86
2836	1 1/16" and 1 1/8"	11 3/4"	1.30
2840	1 1/16" and 1 1/4"	14 7/8"	1.50
2842	1 1/4" and 1 5/16"	16 1/4"	2.1
2846	1 3/8" and 1 7/16"	17 3/4"	2.4
2852	1 1/2" and 1 5/8"	19 1/2"	3.8

**6 piece OPEN END WRENCH SET** Six wrenches in most popular and most-used sizes—from 5/16" to 1" without duplication. Blue plastic kit with transparent plastic pockets. Opening sizes printed above each pocket. Includes Nos. 2812, 2816, 2820, 2825, 2829, and 2832.

No. 2800-B Open End Wrench Set Wt. 2.5 lbs.





### Open End

## TAPPET WRENCHES

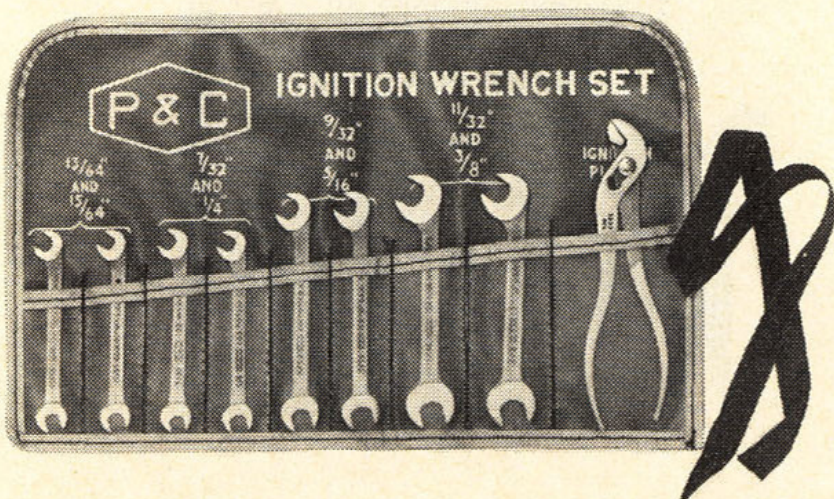
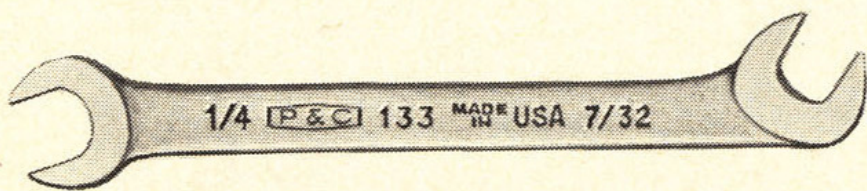
Special alloy steel gives extra strength to very thin, tapered jaws. Long handles keep hands away from hot manifolds, increase leverage. Minimum jaw overhang speeds adjustment time, less lost motion. Jaws set at 15° angle, only 30° swing needed.

No.	Opening Sizes	Length	Wt. lbs.
2916	7/16" and 1/2"	9"	.18
2918	1/2" and 9/16"	9"	.18

## P&C IGNITION WRENCHES

One jaw at 15°, other at 60° on each wrench. Opening sizes duplicated at other angle on companion wrench. Drop forged from finest quality alloy steel and heat treated for additional strength. Openings accurately milled for sure fit. Heads polished, wrenches protected by attractive chrome plate.

No.	15° End	60° End	Length	Wt. Lbs.
130	13/64"	15/64"	3"	.02
131	15/64"	13/64"	3"	.02
132	7/32"	1/4"	3"	.02
133	1/4"	7/32"	3"	.02
134	9/32"	5/16"	3 1/2"	.03
135	5/16"	9/32"	3 1/2"	.03
136	11/32"	3/8"	3 3/4"	.05
137	3/8"	11/32"	3 3/4"	.05



**IGNITION WRENCH SET** Eight wrenches from 13/64" to 3/8" jaw openings in both 15° and 60° angles plus No. 1235 Ignition Pliers gives complete range for most ignition, distributor and magneto jobs. Opening sizes labeled on blue plastic kit over transparent plastic pockets.

No. 140-D Ignition Wrench Set Wt. .60 lbs.



# P & C 12 point BOX WRENCHES

The thin walls provide the extra clearance to reach difficult jobs. P&C's hot broaching process produces extremely tough, long wearing, accurate openings and sharp points. Special alloy steel has high tensile strength.

The box openings are chamfered to guide the wrench onto nut and bolt heads. Once on, it cannot slip or spread, and needs only a 15° swing to turn a nut. The heads of all P & C Box Wrenches are offset 15° from the shank to provide knuckle clearance.

Thin, flat shank with rounded corners is easy to grip and a pleasure to manipulate. Heavily chrome plated all over to resist rust.

### FLAT HANDLE SERIES

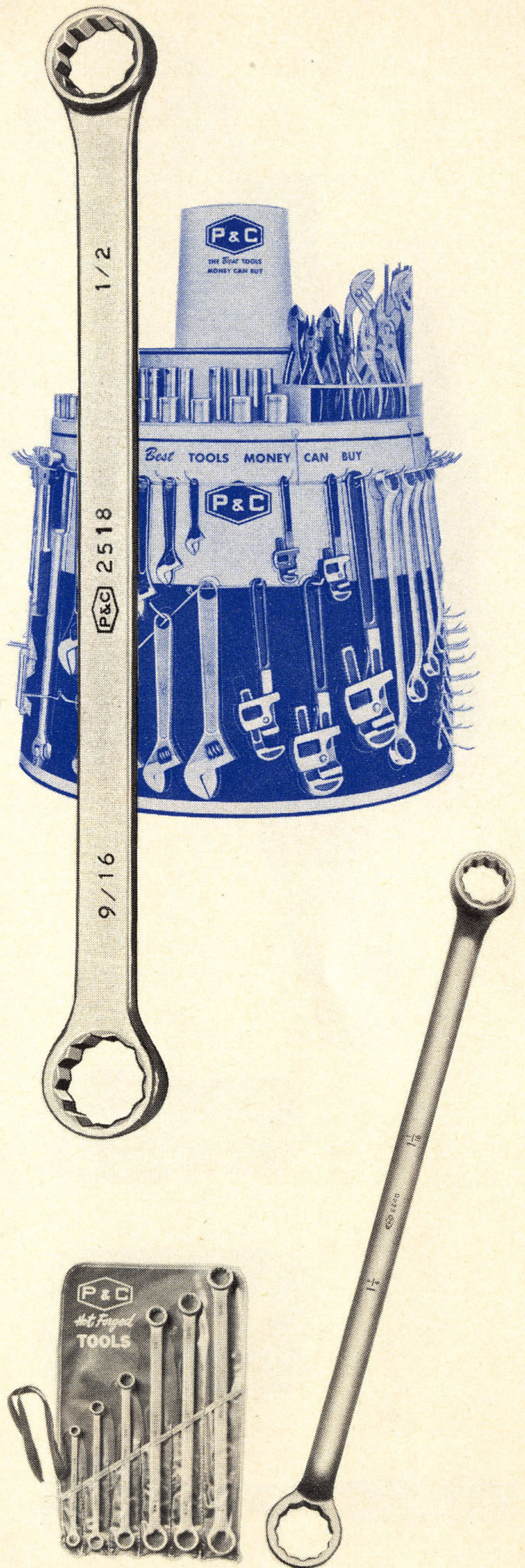
No.	Opening Size	Length	Wt. Lbs.
2514	3/8" and 7/16"	6 1/2"	.1
2516	7/16 and 1/2"	7"	.15
2518	1/2" and 9/16"	8"	.2
2520	9/16 and 5/8"	8 1/2"	.25
2522	5/8" and 11/16"	9 1/2"	.6
2528	3/4" and 7/8"	13 1/8"	.8
2529	13/16" and 7/8"	13 7/8"	.7
2532	15/16" and 1"	15 1/2"	.9
2536	1 1/16" and 1 1/8"	17 1/4"	1.3

### ROUND HANDLE SERIES

2234	7/8" and 1 1/16"	16"	1.33
2240	1 1/16" and 1 1/4"	19"	2.33
2242	1 1/4" and 1 5/16"	19"	2.40
2244	1 1/4" and 1 3/8"	19"	2.45
2246	1 1/4" and 1 7/16"	19 1/2"	2.60
2248	1 7/16" and 1 1/2"	20"	3.50
2250	1 7/16" and 1 5/8"	22"	3.80
2264	1 13/16" and 2"	25 3/4"	8.30

**6 piece BOX WRENCH Set** Six P&C 12 point Box Wrenches in the most needed and most used opening sizes. Blue plastic case has wrench opening sizes printed by each transparent pocket. Includes Nos. 2514, 2518, 2522, 2528, 2529, and 2532.

No. 2500-B BOX WRENCH SET Wt. 3.3 lbs.



## P & C Square Drive

# SOCKETS

### Attachments and Sets

P & C Sockets are hot broached from special alloy steel and precision machined to give precise, accurate fit. They are light, and thin-walled, yet extremely tough and long wearing. Chamfered openings slip on nuts and bolt heads easily. Heavy chrome plate resists rust and wipes clean instantly. Square drive openings receive the same accurate machining for positive drive and fit. Sizes are plainly and permanently marked on each socket.

Attachments for P & C Sockets are skillfully designed and accurately forged from the same strong alloy steel. Square drives are precisely machined for accurate fit; knurled handles insure easy, positive grip; each attachment is scientifically balanced for maximum utility. Friction ball on all square drive attachments holds socket securely—it can't slip or drop off.

## 1/4" "MIDGET" SOCKETS

### ATTACHMENTS AND SETS

Designed to withstand the toughest demands of light to medium jobs. Ideal for Ignition, Carburetor, Radio, or T-V assembly, maintenance and repair.

#### 6 point SOCKETS (All 1" in length)

No.	Size	Wt. lbs.	No.	Size	Wt. lbs.
0206	3/16"	.02	0210	5/16"	.03
0207	7/32"	.02	0211	11/32"	.03
0208	1/4"	.02	0212	3/8"	.04
0209	9/32"	.03	0214	7/16"	.05

#### 8 point SOCKETS

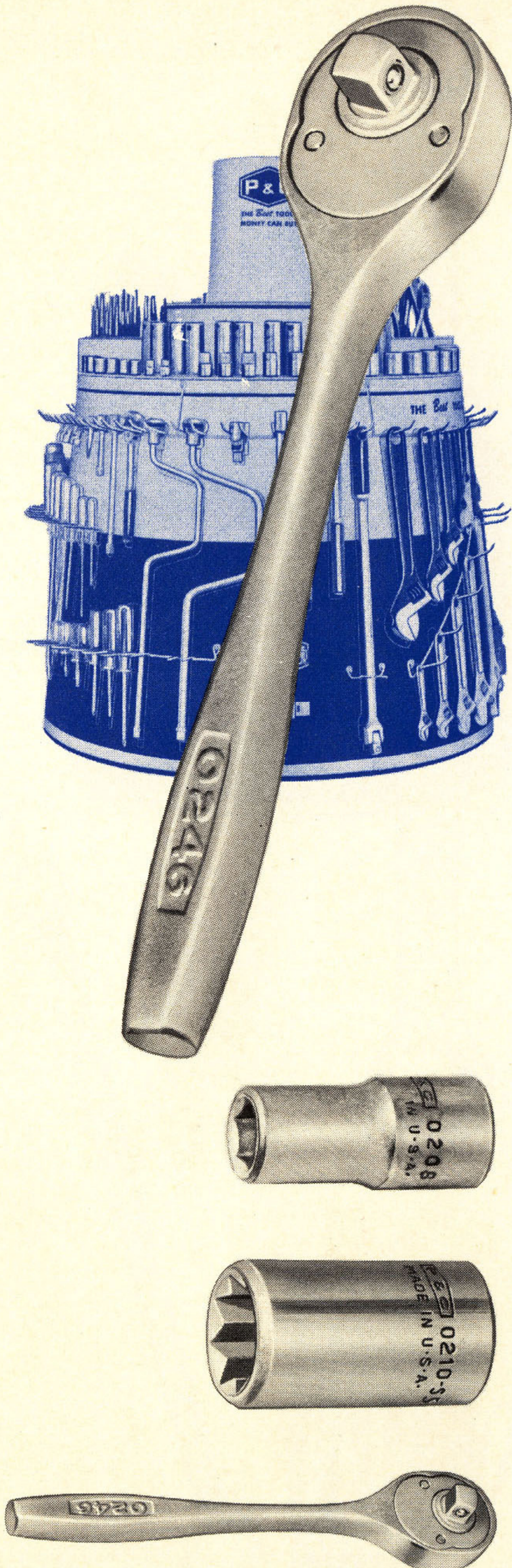
No.	Size	Length	Wt.
0208-S	1/4"	1"	.02 lbs.
0210-S	5/16"	1"	.04
0212-S	3/8"	1"	.05

#### 12 point SOCKET

No. 0216	Size 1/2"	Length 1"	Wt. .05 lbs.
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**REVERSIBLE RATCHET** Ratchet wheel has 24 teeth to turn socket continuously with only 15° arc. Compact, chrome plated, ideal for small to medium jobs.

No.	Length	Head Thickness	Wt. lbs.
0246	5"	3/8"	.18



**SLIDING T-HANDLE**

No. 0253 Length 4 1/2" Wt. .08 lbs.

**SPINNER HANDLE**

No. 0259 Length 5 7/8" Wt. .13 lbs.

**FLEX HANDLE**

No. 0251 Length 5 5/16" Wt. .16 lbs.

**EXTENSIONS**

No. 0247 Length 3 1/2" Wt. .06 lbs.  
 ' 0248 6" .10

**UNIVERSAL JOINT**

No. 0252 Length 1 7/8" Wt. .03 lbs.

**SPEEDER HANDLE**

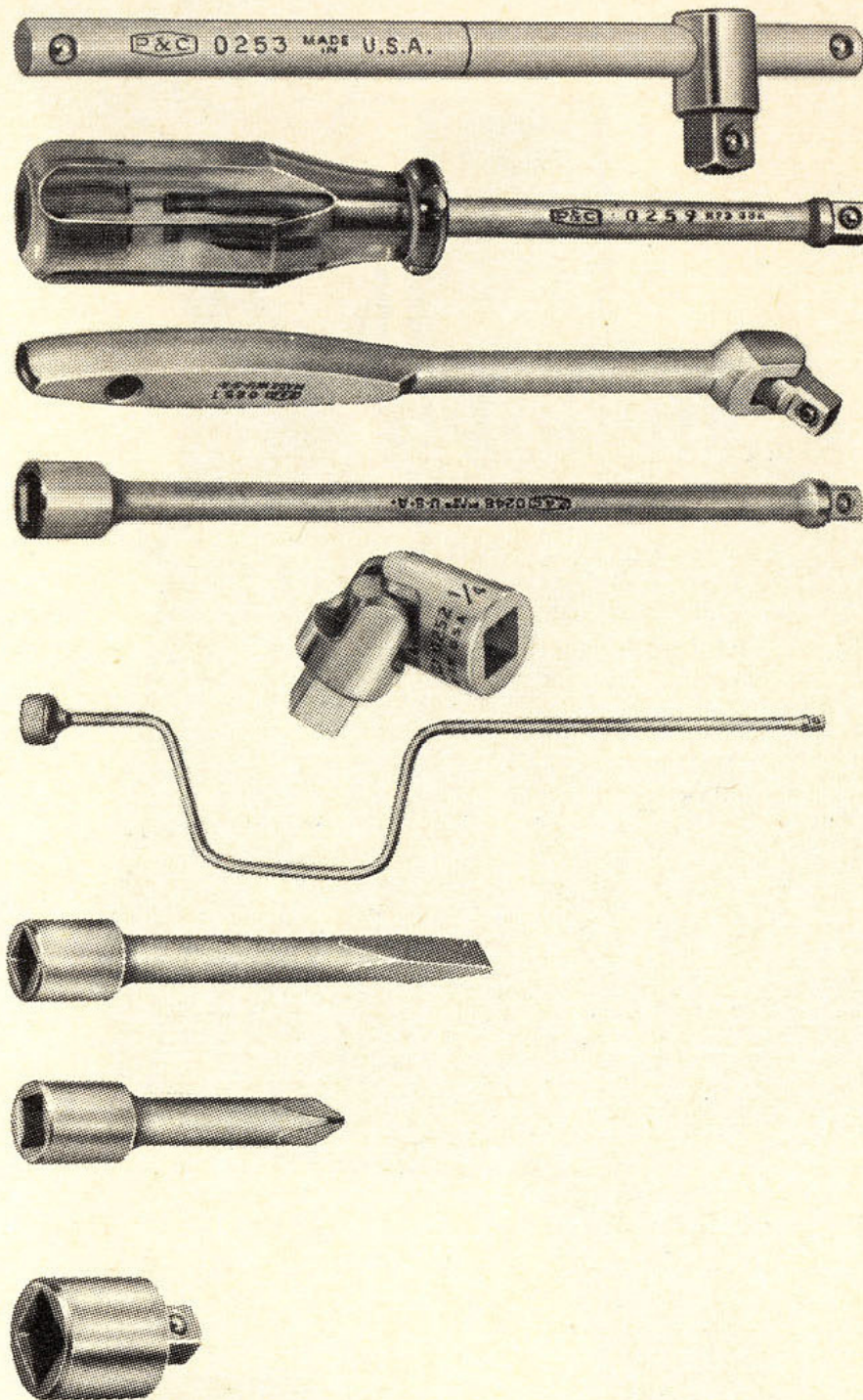
No. 0280 Length 16" Wt. .40 lbs.

**SCREWDRIVERS**

No.	Bit Size	Length	Wt. lbs.
0237	Phillips No. 1	1"	.02
0238	Phillips No. 2	1"	.02
0237L	Phillips No. 1	2"	.03
0238L	Phillips No. 2	2"	.03
0244	3/16" x .030"	1 3/4"	.03
0245	1/4" x .030"	3"	.06

**ADAPTORS**

No. 0271 Length 15/16" Wt. .05 lbs.  
 Adapts 3/8" drive attachments to 1/4" drive sockets.  
 No. 0272 Length 15/16" Wt. .03 lbs.  
 Adapts 1/4" drive attachments to 3/8" drive sockets.



**P & C 1/4" DRIVE SETS**

**12 piece 1/4" DRIVE SET**

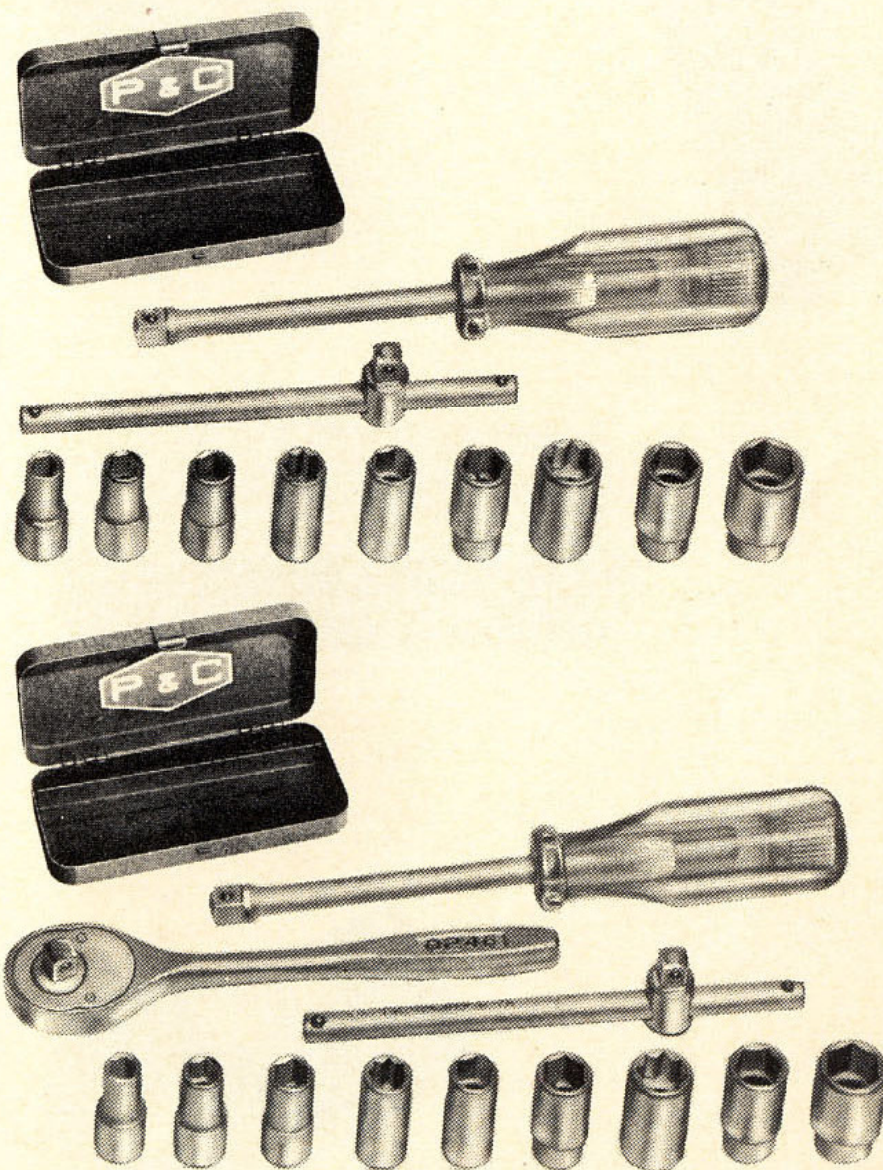
No.	Opening Size	No.	Opening Size
0207	6 point sockets 7/32"	0208S	8 point sockets 1/4"
0208	1/4"	0210S	5/16"
0209	9/32"		
0210	5/16"	0259	Spinner Handle
0211	11/32"	0253	Sliding T-Handle
0212	3/8"	4795	1"x2 1/4"x6 3/4" Metal Box
0214	7/16"		

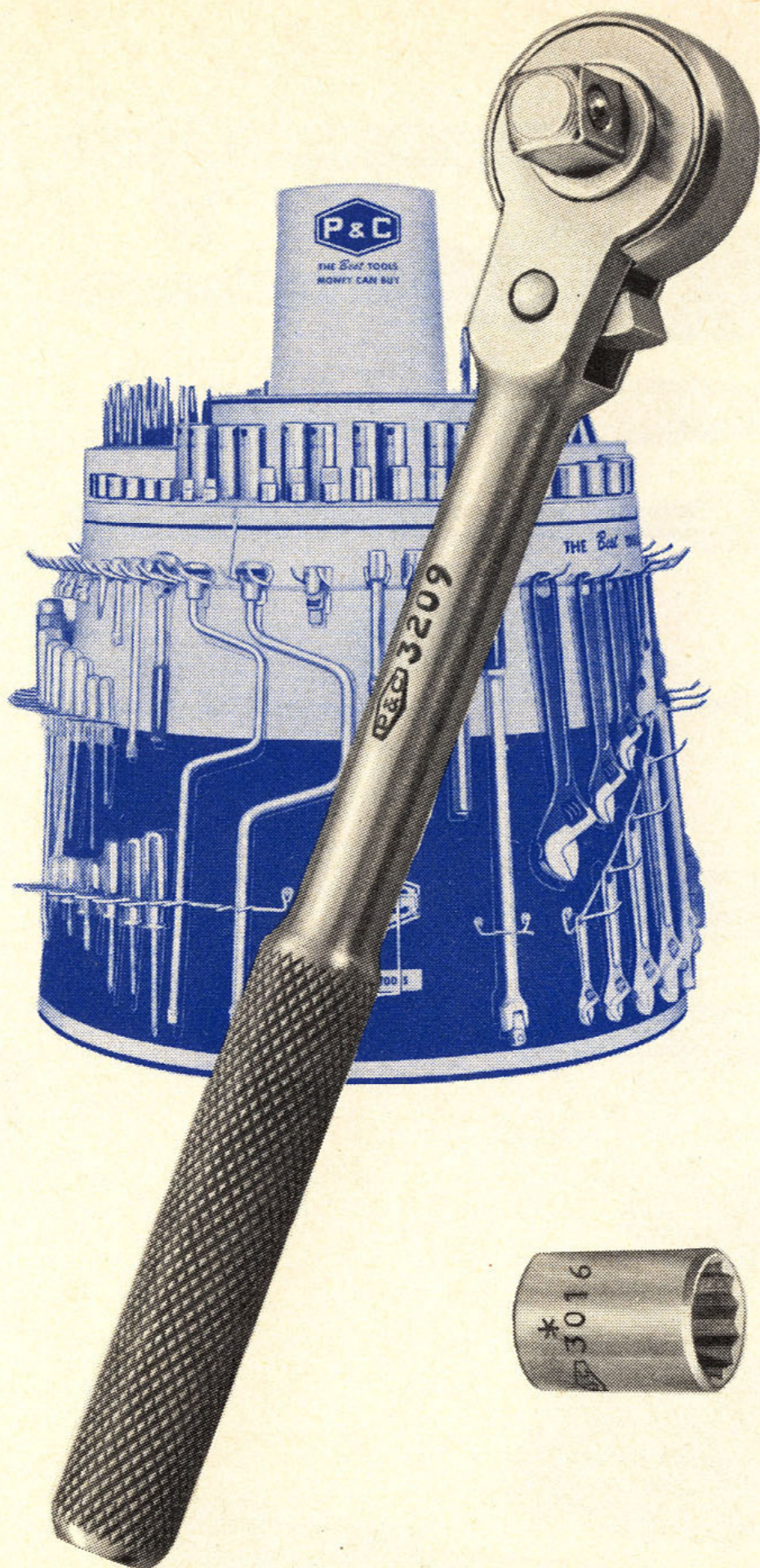
No. 0200-A 12-piece Socket Set Wt. 1 lb.

**13 piece 1/4" DRIVE SET**

No.	Opening Size	No.	Opening Size
0207	6 point sockets 7/32"	0208S	8 point sockets 1/4"
0208	1/4"	0210S	5/16"
0209	9/32"	0246	Reversible Ratchet
0210	5/16"	0259	Spinner Handle
0211	11/32"	0253	Sliding T-Handle
0212	3/8"	4795	1"x2 1/4"x6 3/4" Metal Box
0214	7/16"		

No. 0200-C 13-Piece Socket Set Wt. 1.16 lbs.





## 3/8" DRIVE SOCKETS ATTACHMENTS AND SETS

P&C offers amazing versatility combined with rugged durability in the 3/8" Drive series. Included in this series only, are seven sizes of 12 point Universal Sockets from 3/8" to 3/4". Regular and extra deep sockets run from 9/32" square to 7/8" 12 pt.

### P&C SOCKETS

#### REGULAR

	No.	Opening Size	Length	Wt. lbs.
Square*—	3009-S	9/32"	15/16"	.04
6 point Hex—	3010	5/16"	15/16"	.04
	3014-H	7/16"	15/16"	.04
	3016-H	1/2"	15/16"	.04
	3018-H	9/16"	1"	.05
12 point—	3012	3/8"	15/16"	.04
	3014	7/16"	15/16"	.04
	3016	1/2"	15/16"	.04
	3018	9/16"	1"	.05
	3020	5/8"	1"	.07
	3022	11/16"	1 1/16"	.10
	3024	3/4"	1 1/16"	.13
	3028	7/8"	1 3/32"	.17

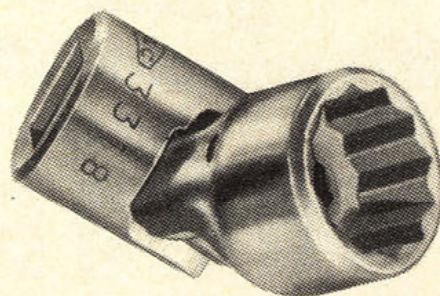
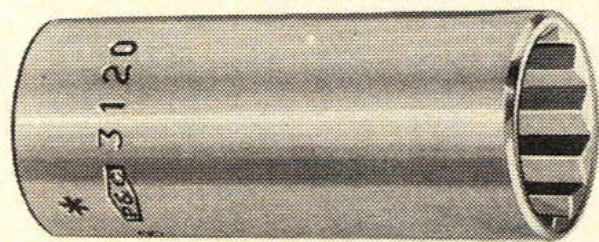
\*Fits drain plug on Dynaflow torque converter.

#### EXTRA DEEP

12 point—	3114	7/16"	2 1/8"	.10
	3116	1/2"	2 1/8"	.10
	3118	9/16"	2 1/8"	.12
	3120	5/8"	2 1/8"	.15
	3122	11/16"	2 1/8"	.18
	3124	3/4"	2 1/8"	.20

#### UNIVERSAL

	No.	Opening Size	Length	Wt. lbs.
12 point—	3312	3/8"	1 1/2"	.10
	3314	7/16"	1 1/2"	.10
	3316	1/2"	1 1/2"	.10
	3318	9/16"	1 1/16"	.10
	3320	5/8"	1 3/4"	.12
	3322	11/16"	1 7/8"	.12
	3324	3/4"	2"	.15



**REVERSIBLE RATCHET** New, sturdier, compact design features a smaller head and fewer moving parts. Advancing and reversing accomplished with one dog. Enclosed head is simple and easy to disassemble for cleaning or replacing worn parts when necessary.

No. 3209 Length 7¼" Wt. .50 lbs.

**REPLACEMENT PARTS KIT** Contains all parts for ¾" Drive Reversible Ratchet No. 3209. Includes one each: Wheel, Dog, Keeper Ring, Plug Drive Ring.

No. X-3209 Wt. .09 lbs.

**FLEX HANDLE** Doubles as spinner for fast operation or L-handle for great leverage. Spring and ball contact holds swivel in any position.

No. 3230 Length 7½" Wt. .35 lbs.

**BAR** for No. 3230 Flex Handle—¼" in diameter

No. 3231 Length 4" Wt. .05 lbs.

**SPEEDER HANDLE** Fastest attachment for running nuts on or off. Special knob grip fits hand easily. Radius of swing is 3½".

No. 3215 Length 18" Wt. .83 lbs.

**SLIDING T-HANDLE** Use with sliding head at any point along bar. Spring and ball contact holds head in groove in center of bar for use as T-Handle.

No. 3260 Length 7½" Wt. .30 lbs.

**EXTENSIONS**

No. 3202	Length 3"	Wt. .13 lbs.
3203*	8"	.25
3205*	12½"	.38
3206*	18½"	.55

\*Drilled for No. 3207 Cross Bar

**CROSS BAR** for Extensions.

No. 3207 Length 7" Wt. .15 lbs.

**UNIVERSAL JOINT**

No. 3208 Length 1¾" Weight .10 lbs.

**SCREWDRIVER**

No. 3211 Bit 5/16" Length 2½" Wt. .08 lbs.

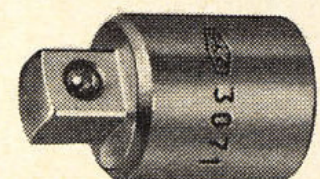
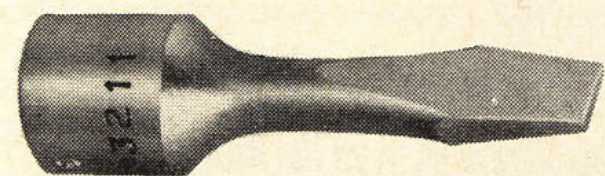
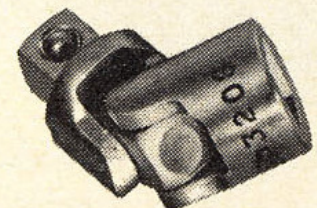
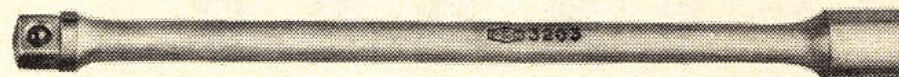
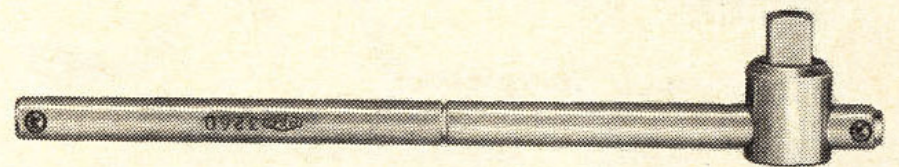
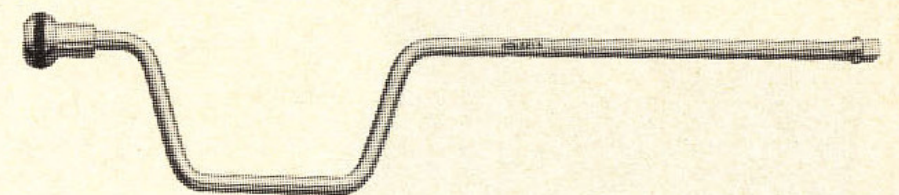
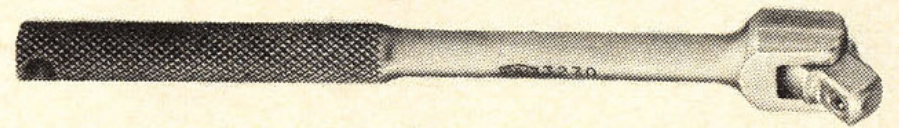
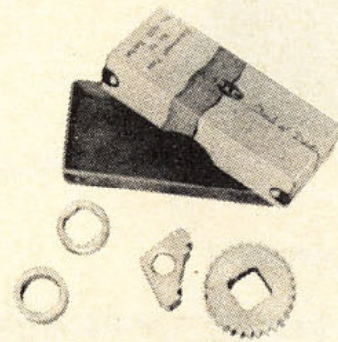
**ADAPTORS**

No. 3071 Length 1¾" Diam. 13/16" Wt. .13 lbs.

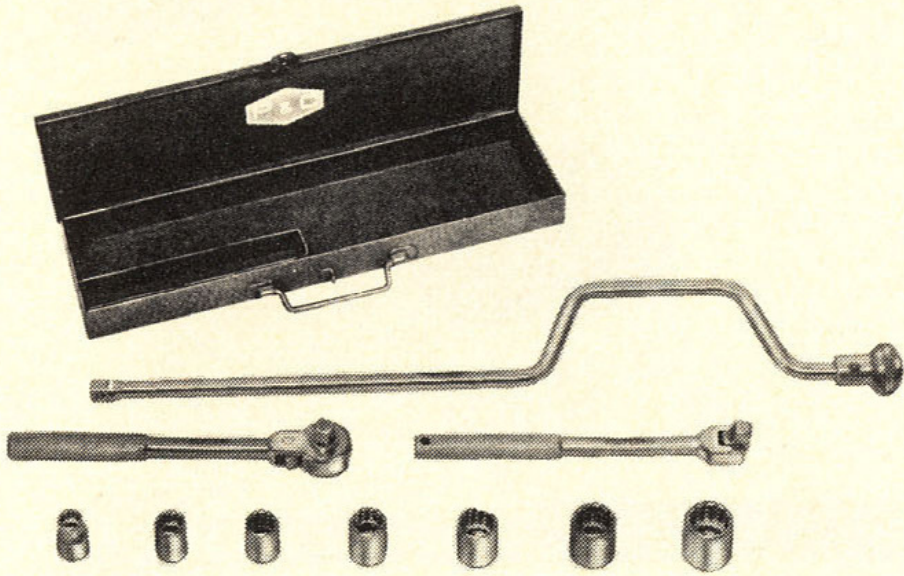
Adapts ½" drive attachments to ¾" drive sockets.

No. 3072 Length 1½" Diam. ¾" Wt. .10 lbs.

Adapts ¾" drive attachments to ½" drive sockets.



## P&C $\frac{3}{8}$ " DRIVE SETS

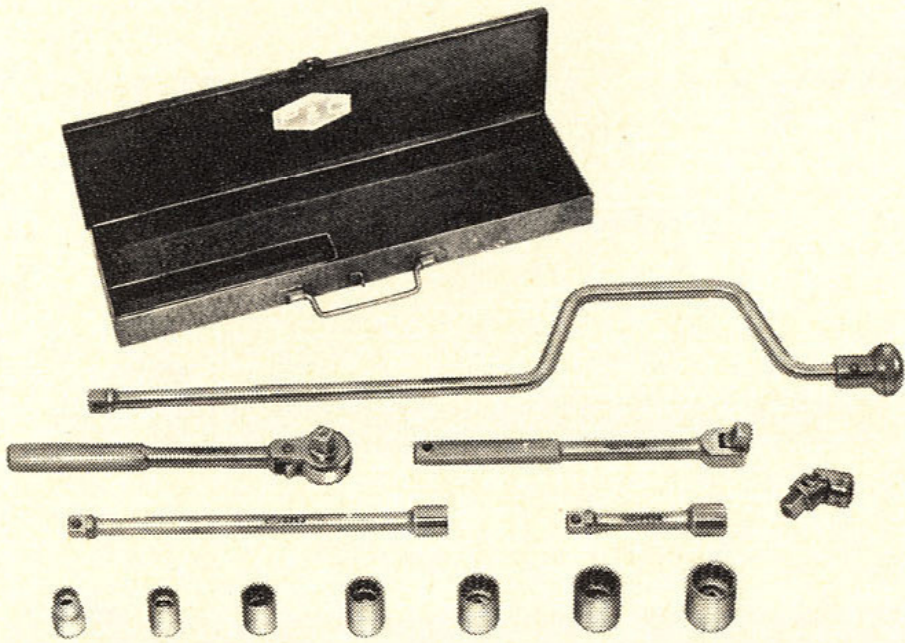


### 10 piece "BASIC" $\frac{3}{8}$ " DRIVE SET

No.	Opening Size	No.	
3012	$\frac{3}{8}$ " 12 point	3202	3" Extension
3014	$\frac{7}{16}$ "	3209	Reversible Ratchet
3016	$\frac{1}{2}$ "	3230	Flex Handle
3018	$\frac{9}{16}$ "	5295	Metal Box, 18 $\frac{1}{2}$ "x5 $\frac{1}{4}$ "x1 $\frac{1}{2}$ "
3020	$\frac{5}{8}$ "		
3022	$\frac{11}{16}$ "		
3024	$\frac{3}{4}$ "		

No. 3000-NR 10-Piece Basic Set Wt. 3.72 lbs.

3000-CR Same as above except in durable cardboard box which makes attractive gift package. Wt. 1.8 lbs.



### 14 piece "UTILITY" $\frac{3}{8}$ " DRIVE SET

No.	Opening Size	No.	
3012	$\frac{3}{8}$ " 12 point	3209	Reversible Ratchet
3014	$\frac{7}{16}$ "	3202	3" Extension
3016	$\frac{1}{2}$ "	3203	8" Extension
3018	$\frac{9}{16}$ "	3230	7 $\frac{1}{2}$ " Flex Handle
3020	$\frac{5}{8}$ "	3208	Universal Joint
3022	$\frac{11}{16}$ "	3215	18" Speeder Handle
3024	$\frac{3}{4}$ "	5295	Metal Box, 18 $\frac{1}{2}$ "x5 $\frac{1}{4}$ "x1 $\frac{1}{2}$ "

No. 3000-K 14-Piece Utility Set Wt. 4.9 lbs.

### 32 piece "MASTER" $\frac{3}{8}$ " DRIVE SET

Regular	Extra Deep	Universal
12 point Sockets	12 point Sockets	12 point Sockets
No. 3010 $\frac{5}{16}$ "	No. 3114 $\frac{7}{16}$ "	No. 3312 $\frac{3}{8}$ "
3012 $\frac{3}{8}$ "	3116 $\frac{1}{2}$ "	3314 $\frac{7}{16}$ "
3014 $\frac{7}{16}$ "	3118 $\frac{9}{16}$ "	3316 $\frac{1}{2}$ "
3016 $\frac{1}{2}$ "	3120 $\frac{5}{8}$ "	3318 $\frac{9}{16}$ "
3018 $\frac{9}{16}$ "	3122 $\frac{11}{16}$ "	3320 $\frac{5}{8}$ "
3020 $\frac{5}{8}$ "	3124 $\frac{3}{4}$ "	3322 $\frac{11}{16}$ "
3022 $\frac{11}{16}$ "		3324 $\frac{3}{4}$ "
3024 $\frac{3}{4}$ "		

No.		No.	
3202	3" Extension	3215	18" Speeder Handle
3203	8" Extension	3231	4" Bar Handle for No. 3230 Flex
3205	12 $\frac{1}{2}$ " Extension		
3206	18 $\frac{1}{2}$ " Extension	3260	7 $\frac{1}{2}$ " Sliding T-Handle
3209	Reversible Ratchet		
3230	7 $\frac{1}{2}$ " Flex Handle	5295	Metal Tool Box, 18 $\frac{1}{2}$ "x5 $\frac{1}{4}$ "x1 $\frac{1}{2}$ "
3208	Universal Joint		

No. 3000-H 32-Piece Master Set Wt. 8 lbs.

# 1/2" DRIVE SOCKETS ATTACHMENTS AND SETS

P & C 1/2" drive Sockets and Attachments are the most popular, versatile and essential tools for any mechanical assembly, maintenance or repair. They are mechanics' favorites because of their rugged strength; balance; maneuverability; dependability; precision on light jobs; power and durability on tough jobs; and because they are guaranteed by P & C.

## **P&C** SOCKETS

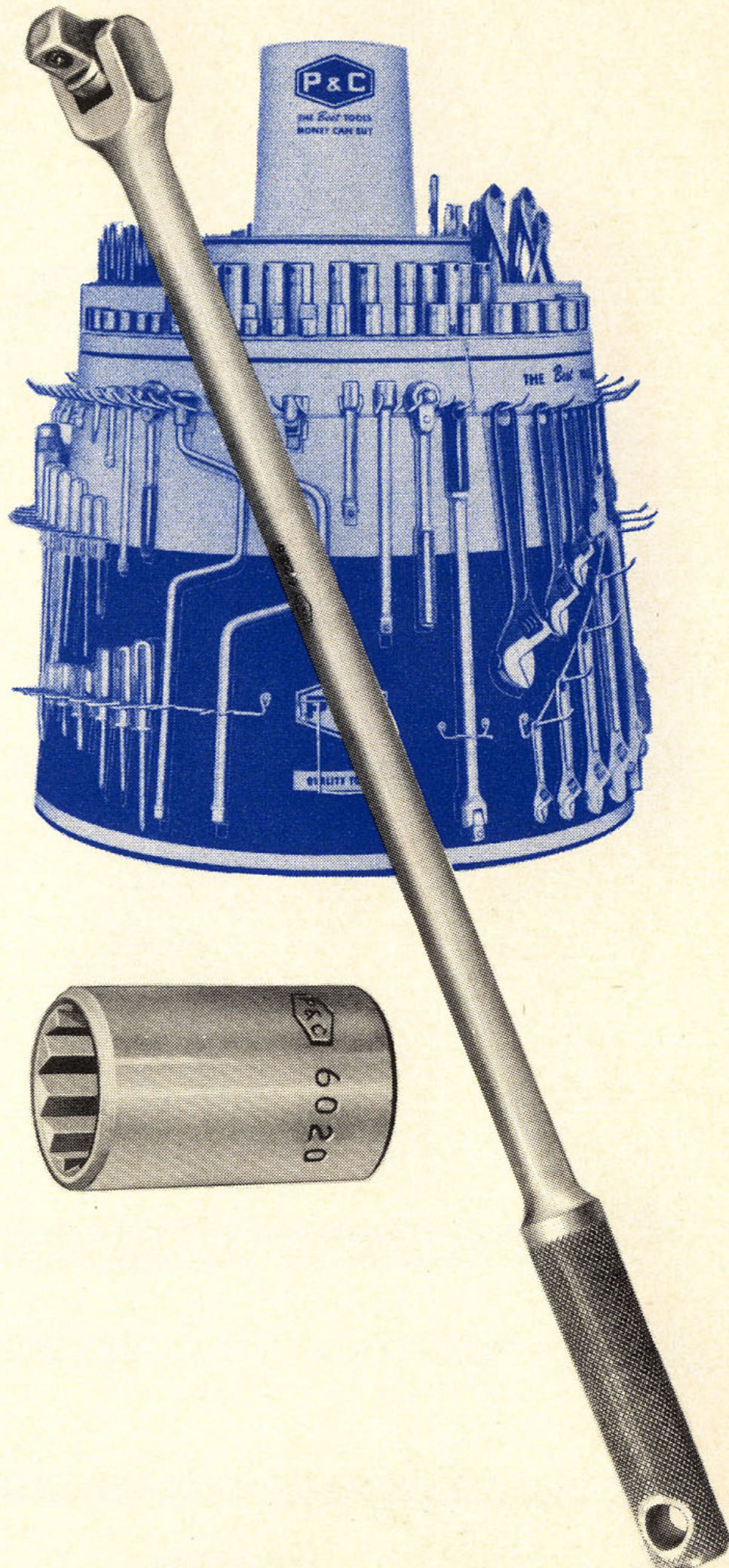
### 12 point (for use on hex bolts or nuts)

No.	Opening Size	Length	Wt. lbs.
6012	3/8"	1 3/8"	.10
6014	7/16"	1 3/8"	.10
6016	1/2"	1 3/8"	.10
6018	9/16"	1 3/8"	.10
6019	19/32"	1 3/8"	.13
6020	5/8"	1 3/8"	.13
6021	21/32"	1 3/8"	.13
6022	11/16"	1 3/8"	.13
6024	3/4"	1 3/8"	.15
6025	25/32"	1 3/8"	.18
6026	13/16"	1 3/8"	.20
6028	7/8"	1 3/8"	.23
6029	29/32"	1 3/8"	.25
6030	15/16"	1 1/2"	.28
6031	31/32"	1 1/2"	.28
6032	1"	1 1/2"	.33
6034	1 1/16"	1 9/16"	.38
6036	1 1/8"	1 5/8"	.40
6038	1 3/16"	1 11/16"	.45
6040	1 1/4"	1 3/4"	.65

### 12 point EXTRA DEEP

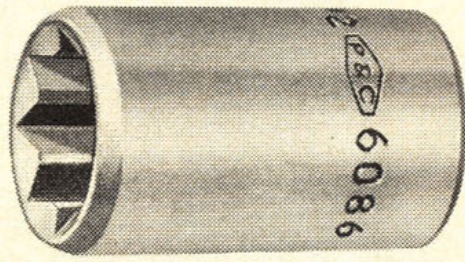
No.	Opening Size	Length	Wt. lbs.
6116	1/2"	3 1/4"	.23
6118	9/16"	3 1/4"	.23
6120	5/8"	3 1/4"	.23
6122	11/16"	3 1/4"	.25
6124	3/4"	3 1/4"	.30
6126	13/16"	3 1/4"	.35
6128	7/8"	3 1/4"	.43
6130	15/16"	3 1/4"	.45
6132	1"	3 1/4"	.50
6134	1 1/16"	3 1/4"	.63
6136	1 1/8"	3 1/4"	.65

(All sizes drilled for 5/16" bar, No. 3207)



## P&C SOCKETS (Cont.)

8 point (for use on square bolts or nuts)



No.	Opening Size	Length	Wt. lbs.
6082	3/8"	1 3/8"	.13
6084	7/16"	1 3/8"	.13
6086	1/2"	1 3/8"	.13
6088	9/16"	1 3/8"	.18
6090	5/8"	1 7/16"	.18
6092	11/16"	1 1/2"	.25
6094	3/4"	1 9/16"	.36
6096	13/16"	1 9/16"	.39
6098	7/8"	1 9/16"	.45

**REVERSIBLE RATCHET** This new, simpler design has all of the features of the 3/8" drive Ratchet plus added size and strength for a wider range of uses. Some of the new features are: Fewer moving parts. One dog controls motion, advancing or reversing. Finger-tip lever control convenient and easy to operate. Thirty teeth on wheel allow continuous turning in only 12° arc. Double-edge dog absolutely prevents slipping, even under heavy use. The enclosed head is quickly and simply disassembled for cleaning or replacing worn or broken parts if necessary.

No. 6211 Length 10 1/4" Wt. 1.2 lbs.

**REPLACEMENT PARTS KIT** Contains all parts for 1/2" drive Reversible Ratchet No. 6211. Includes one each: Wheel, Dog, Keeper Ring, Plug Drive Ring.

No. X-6211 Wt. .09 lbs.

### FLEX HANDLES

No. 6230 Length 11" Wt. 1.08 lbs.  
Drilled for 3/8" Cross Bar No. 6252

No. 6238 Length 18 1/4" Wt. 1.7 lbs.  
Drilled for 1/2" Cross Bar No. 6201

### CROSS BARS FOR FLEX HANDLES

No.	Diam.	Length	Wt. lbs.
6201	1/2" for 6238	11 1/2"	.60
6252	3/8" 6230	8"	.25

### SPEEDER HANDLE

No.	Shank Length	Length	Swing	Wt. lbs.
6215	8"	18 1/2"	4"	1.43

### SLIDING T-HANDLE

No. 6265 Head 1 3/4" Bar 15" Wt. 1.3 lbs.

### EXTENSIONS

No.	Length	Wt. lbs.
6202	2 1/2"	.24
6203	5"	.40
6205	10 1/2"	.65
6206	18 1/2"	1.10



**UNIVERSAL JOINT**

No. 6208 Length 2<sup>5</sup>/<sub>16</sub>" Wt. .23 lbs.

**ADAPTORS**

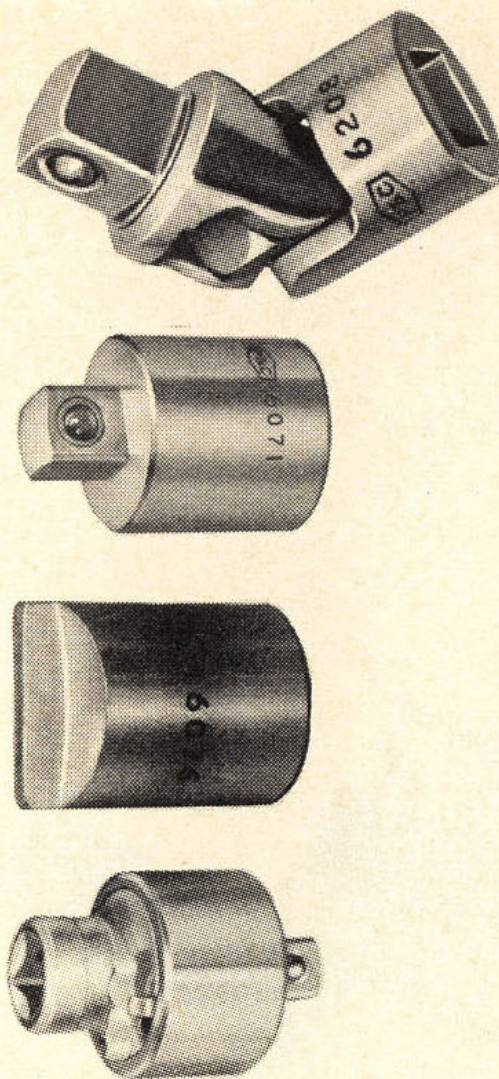
No. 6071 Length 1<sup>7</sup>/<sub>8</sub>" Wt. .33 lbs.  
 Adapts <sup>3</sup>/<sub>4</sub>" drive attachments to <sup>1</sup>/<sub>2</sub>" drive sockets.  
 No. 6072 Length 1<sup>1</sup>/<sub>16</sub>" Wt. .25 lbs.  
 Adapts <sup>1</sup>/<sub>2</sub>" drive attachments to <sup>3</sup>/<sub>4</sub>" drive sockets.

**DRAG LINK ADJUSTER**

No. 6076 Length 1<sup>3</sup>/<sub>8</sub>" Wt. .25 lbs.

**RATCHETOR** Converts any <sup>1</sup>/<sub>2</sub>" drive attachment into a reversing ratcheting device. Simple mechanism, compact and strong.

No. 6247 Wt. .73 lbs.



**P & C <sup>1</sup>/<sub>2</sub>" DRIVE SETS**

**14 piece "BASIC" <sup>1</sup>/<sub>2</sub>" DRIVE SET**

Ideal for the progressive mechanic, this starter set contains all the most essential, most frequently used tools. The neat, sturdy metal box has plenty of room for additional tools. All sockets have 12-point openings.

Socket No.	Socket Size	Socket No.	Socket Size	No.
6014	7/16"	6024	3/4"	6211 Ratchet
6016	1/2"	6026	13/16"	6238 18" Flex Handle
6018	9/16"	6028	7/8"	6203 5" Ext.
6020	5/8"	6030	15/16"	5495 Metal Box,
6022	11/16"	6032	1"	19 <sup>1</sup> / <sub>2</sub> "x8 <sup>1</sup> / <sub>4</sub> "x1 <sup>3</sup> / <sub>4</sub> "

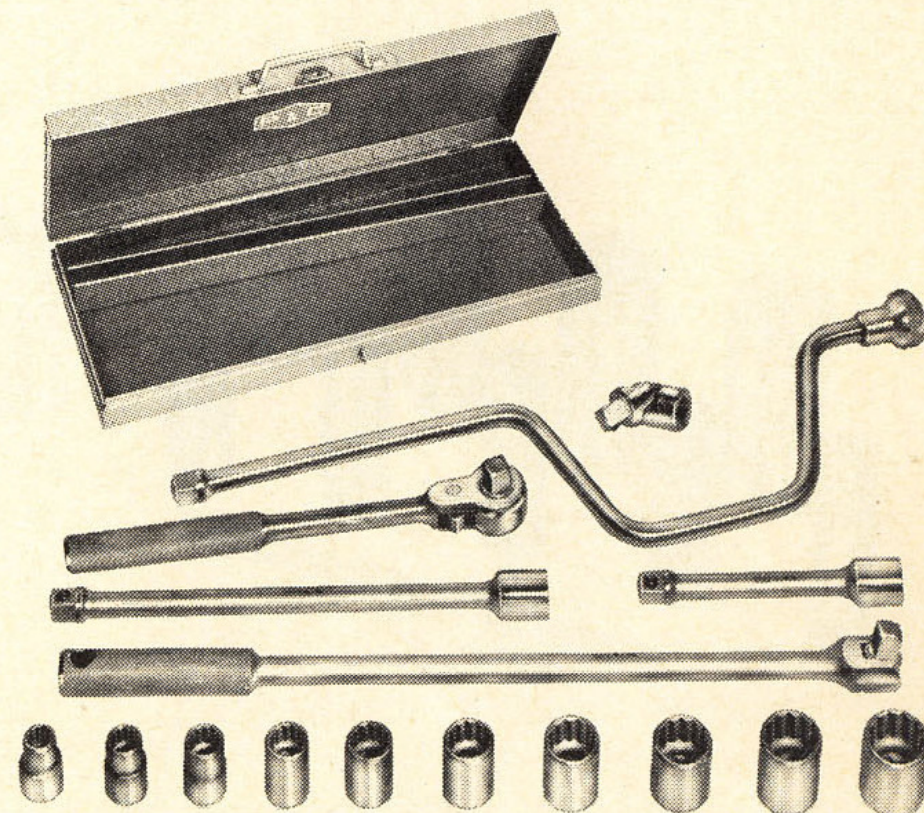
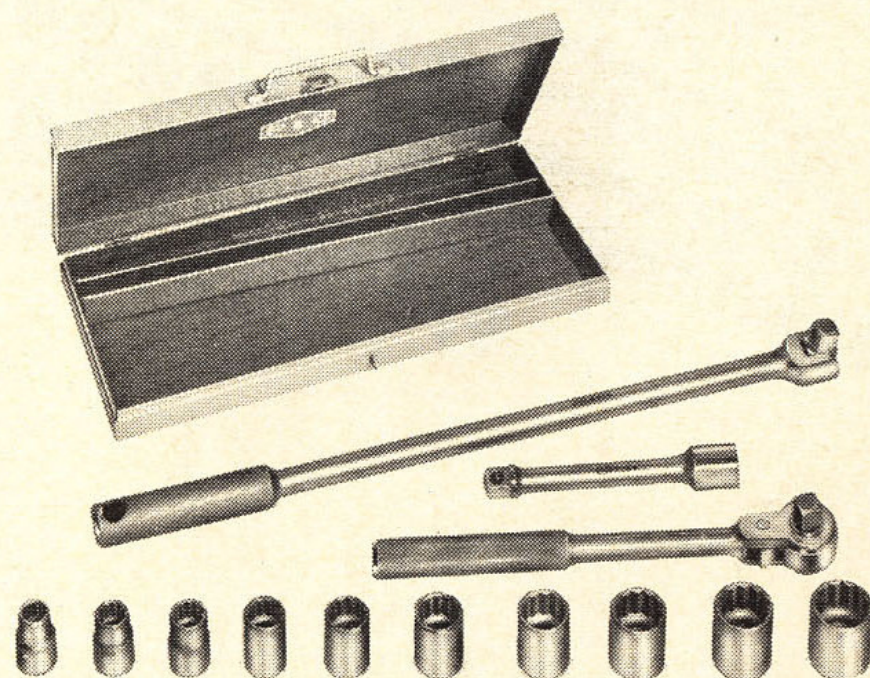
No. 6000-NR 14-piece basic <sup>1</sup>/<sub>2</sub>" Drive Set  
 Wt. 10.7 lbs.

No. 6000-CR Same tool selection as No. 6000-NR in heavy, three-color cardboard box which is very serviceable and makes an ideal gift carton. Wt. 6.8 lbs.

**17 piece "STANDARD" <sup>1</sup>/<sub>2</sub>" DRIVE SET**

Socket No.	Socket Size	Socket No.	Socket Size	No.
6014	7/16"	6026	13/16"	6208 Univ. Joint
6016	1/2"	6028	7/8"	6211 Ratchet
6018	9/16"	6030	15/16"	6215 18" Speeder
6020	5/8"	6032	1"	6238 Flex Handle
6022	11/16"	6203	5" Ext.	5495 Metal Box,
6024	3/4"	6205	10" Ext.	19 <sup>1</sup> / <sub>2</sub> "x8 <sup>1</sup> / <sub>4</sub> "x1 <sup>3</sup> / <sub>4</sub> "

No. 6000-K 17-piece standard <sup>1</sup>/<sub>2</sub>" Drive Set  
 Wt. 13 lbs.



## 48 piece "MASTER" 1/2" DRIVE SET

The most complete set of P&C 1/2" drive sockets and attachments in convenient hip roof type tool chest, with removable tote tray.

### Regular 12 Point Sockets

Socket		Socket		Socket	
No.	Size	No.	Size	No.	Size
6014	7/16"	6024	3/4"	6031	31/32"
6016	1/2"	6025	25/32"	6032	1"
6018	9/16"	6026	13/16"	6034	1 1/16"
6019	19/32"	6028	7/8"	6036	1 1/8"
6020	5/8"	6029	29/32"	6038	1 3/16"
6021	21/32"	6030	15/16"	6040	1 1/4"
6022	11/16"				

### Extra Deep 12 Point Sockets

No.	Opening Size	No.	Opening Size
6116	1/2"	6128	7/8"
6118	9/16"	6130	15/16"
6120	5/8"	6132	1"
6122	11/16"	6134	1 1/16"
6124	3/4"	6136	1 1/8"
6126	13/16"		

### 8 Point Sockets

(for use on square bolts or nuts)

No.	Opening Size	No.	Opening Size
6084	7/16"	6090	5/8"
6086	1/2"	6092	11/16"
6088	9/16"	6098	7/8"

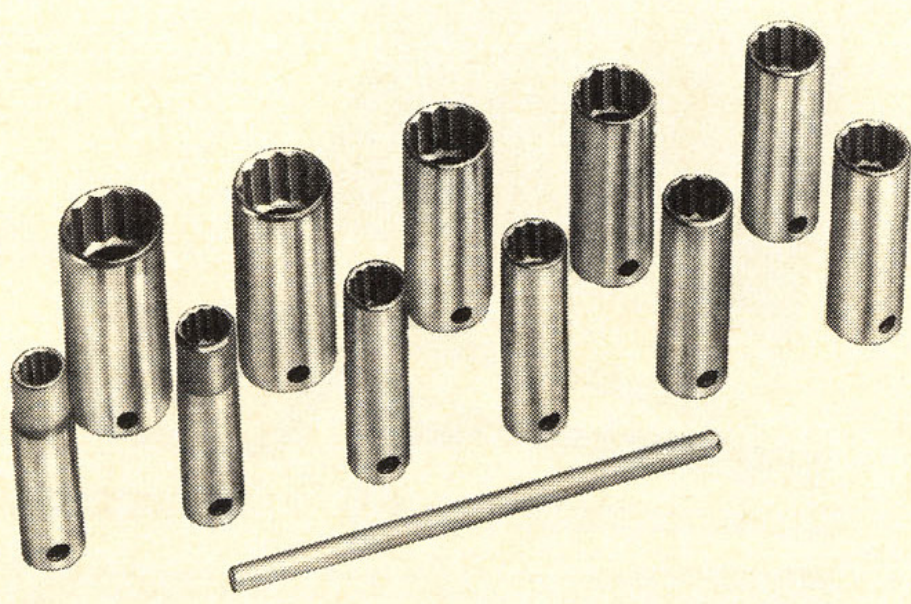
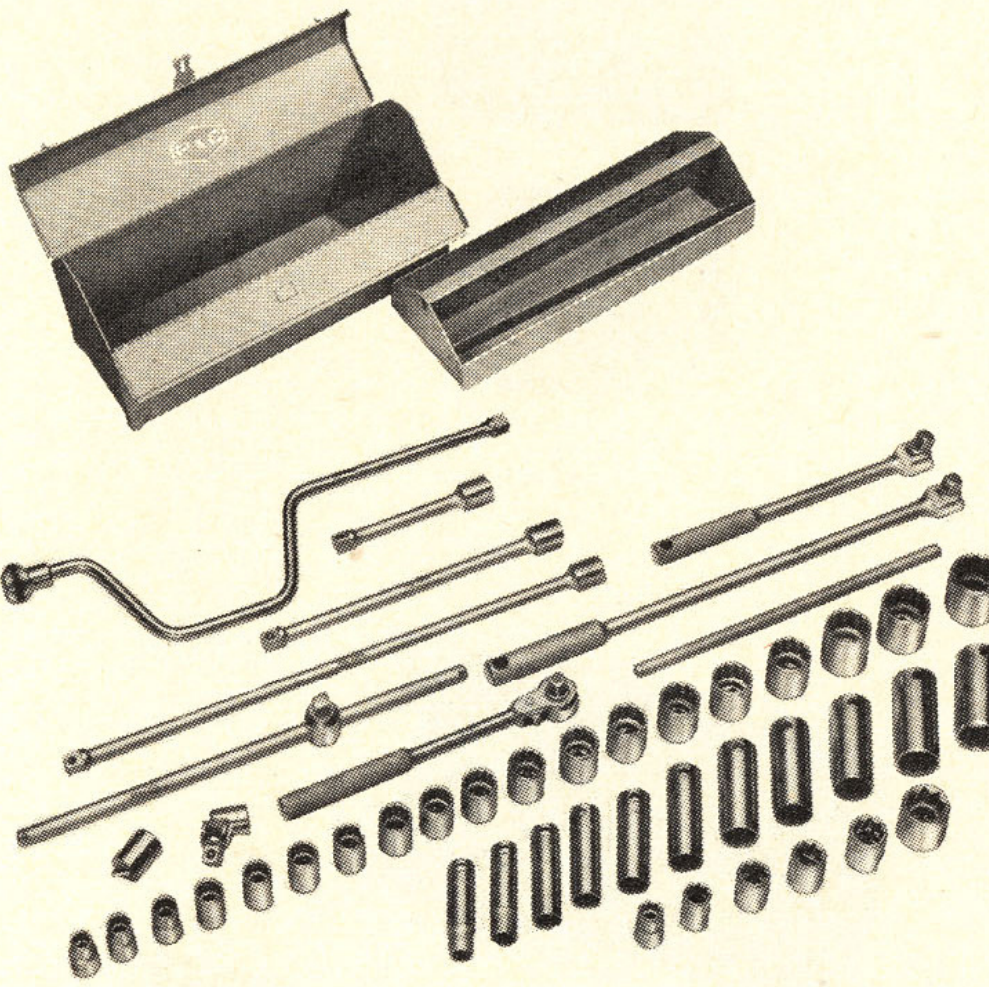
No. 6076	Drag Link Adj.	6211	Ratchet
6201	11" Cross Bar	6215	Speeder
6203	5" Ext.	6230	11" Flex
6205	10" Ext.	6238	18" Flex
6206	18" Ext.	6265	T-Handle
6208	Univ. Joint	9971	Hip roof tool box. 19"x7"x8 3/4"

No. 6000-H 48-piece master 1/2" Drive Set  
Wt. 28 lbs.

### 12 piece EXTRA DEEP 1/2" DRIVE SOCKET SET

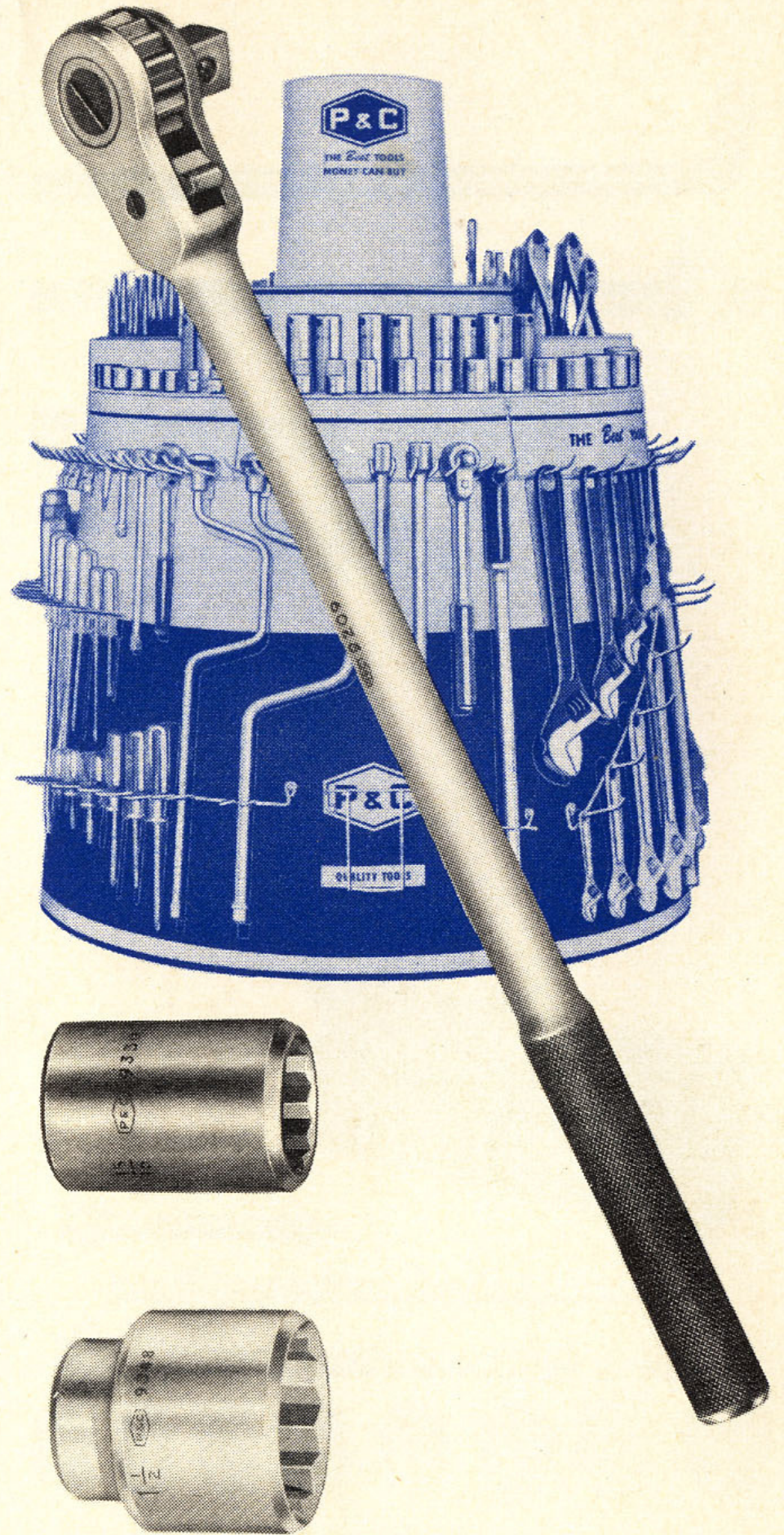
No.	Opening Size	No.	Opening Size
6116	1/2"	6128	7/8"
6118	9/16"	6130	15/16"
6120	5/8"	6132	1"
6122	11/16"	6134	1 1/16"
6124	3/4"	6136	1 1/8"
6126	13/16"	3207	Cross Bar

No. 6100-A 12-piece Extra Deep 1/2" Drive Socket  
Set in Cardboard Carton. Wt. 4.75 lbs.



## 3/4" DRIVE SOCKETS ATTACHMENTS AND SETS

Hot forged from special analysis alloy steel and heat treated for toughness, they make every maintenance, repair and assembly job on trucks, buses, tractors, farm equipment and construction machinery faster, safer and easier.



### **P&C** 12 POINT SOCKETS

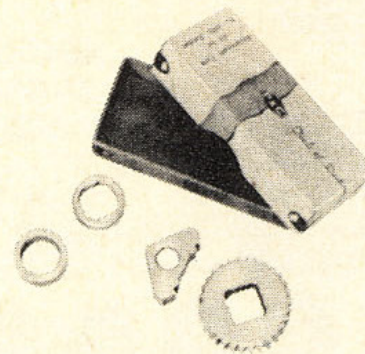
No.	Opening Size	Inside Clearance	Length	Wt. lbs.
9328	7/8"	1 1/8"	2"	.35
9330	15/16"	1 1/8"	2"	.40
9332	1"	1 1/8"	2"	.43
9334	1 1/16"	1 1/8"	2"	.48
9336	1 1/8"	1 1/4"	2 1/8"	.53
9338	1 3/16"	1 1/4"	2 1/8"	.58
9340	1 1/4"	1 1/4"	2 1/8"	.70
9342	1 3/16"	1 1/4"	2 1/8"	.70
9344	1 3/8"	1 3/8"	2 1/4"	.73
9346	1 7/16"	1 3/8"	2 1/4"	.80
9348	1 1/2"	1 3/8"	2 1/4"	.85
9350	1 9/16"	1 1/2"	2 3/8"	.90
9352	1 5/8"	1 1/2"	2 3/8"	1.05
9354	1 11/16"	1 1/2"	2 3/8"	1.35
9356	1 3/4"	1 3/4"	2 1/2"	1.45
9358	1 13/16"	1 7/8"	2 5/8"	1.80
9360	1 7/8"	1 7/8"	2 5/8"	1.90
9364	2"	2"	2 3/4"	2.13
9368	2 1/8"	2"	2 3/4"	2.45

**REVERSIBLE RATCHET** Twenty inches long with plenty of quality steel at points of stress, it has ample leverage and power for the tough jobs. Extra heavy, sharp teeth on dog and wheel assure positive action under rugged use. This efficient tool operates in an arc of only 20° and its small, compact head gets into tight corners. Finger tip control on the single dog reverses direction quickly.

No. 9209 Length 20" Wt. 4.0 lbs.

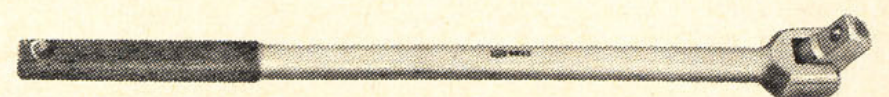
**REPLACEMENT PARTS KIT** Contains all parts for 3/4" Drive Reversible Ratchet No. 9209. Includes one each: Wheel, Dog, Keeper Ring, Plug Drive Ring for a single Ratchet.

No. X-9209 Wt. .6 lbs.



### **FLEX HANDLE**

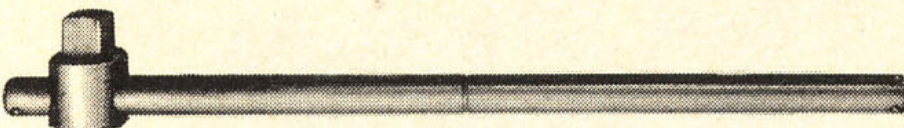
No. 9238 Length 20" Wt. 3.2 lbs.





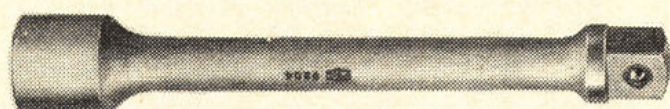
**CROSS BAR for Flex Handle**

No. 9201 Length 11" Wt. .6 lbs.



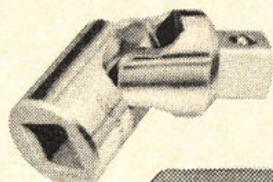
**L-HANDLE**

No. 9255 Length 17 1/2" Wt. 2.35 lbs.



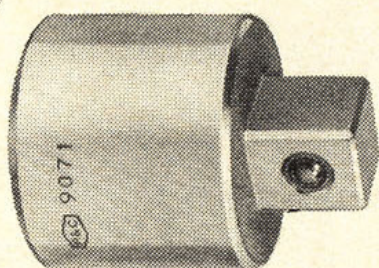
**SLIDING T-HANDLE**

No. 9265 Head 2 1/4" Bar 18" Wt. 2.73 lbs.



**EXTENSIONS**

No. 9203 Length 5" Wt. 1.05 lbs.  
 9204 8" 1.43  
 9206 16" 2.30

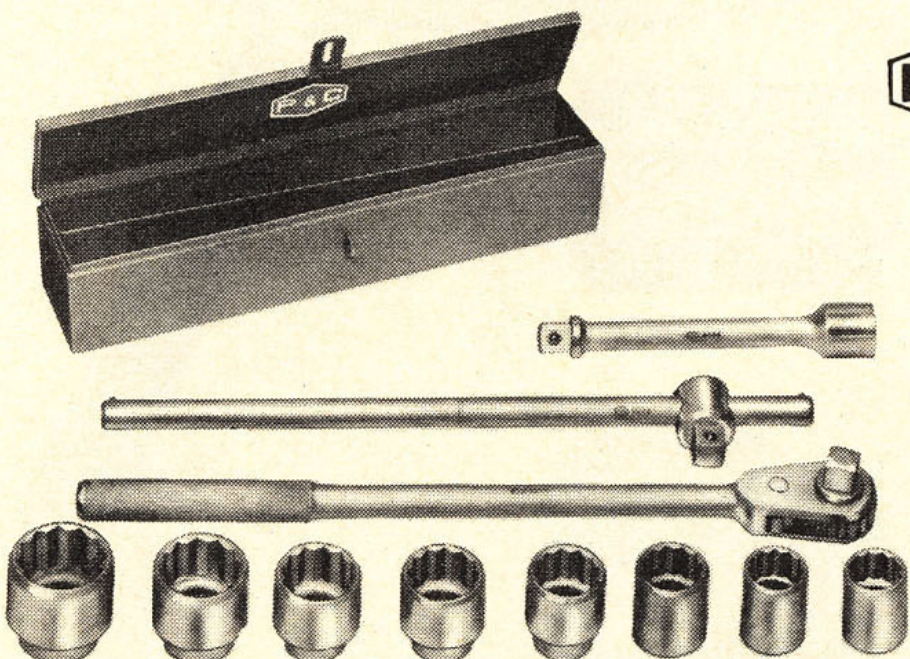


**UNIVERSAL JOINT**

No. 9208 Length 3 3/4" Wt. 1.0 lbs.

**ADAPTORS**

No. 9071 Length 2 1/2" Wt. 1.10 lbs.  
 Adapts 1" drive attachments to 3/4" drive sockets.  
 No. 9072 Length 2 1/4" Wt. .58 lbs.  
 Adapts 3/4" drive attachments to 1" drive sockets.



**P & C 3/4" DRIVE SETS**

**12 piece "BASIC" 3/4" DRIVE SET**

No.	Opening Size	No.	
9334	1 1/16"	9356	1 3/4"
9336	1 1/8"	9265	Sliding T-Handle
9340	1 1/4"	9204	8" Extension
9342	1 5/16"	9209	20" Reversible Ratchet
9346	1 7/16"	5695	4"x4"x21" Metal Box
9348	1 1/2"		
9352	1 5/8"		

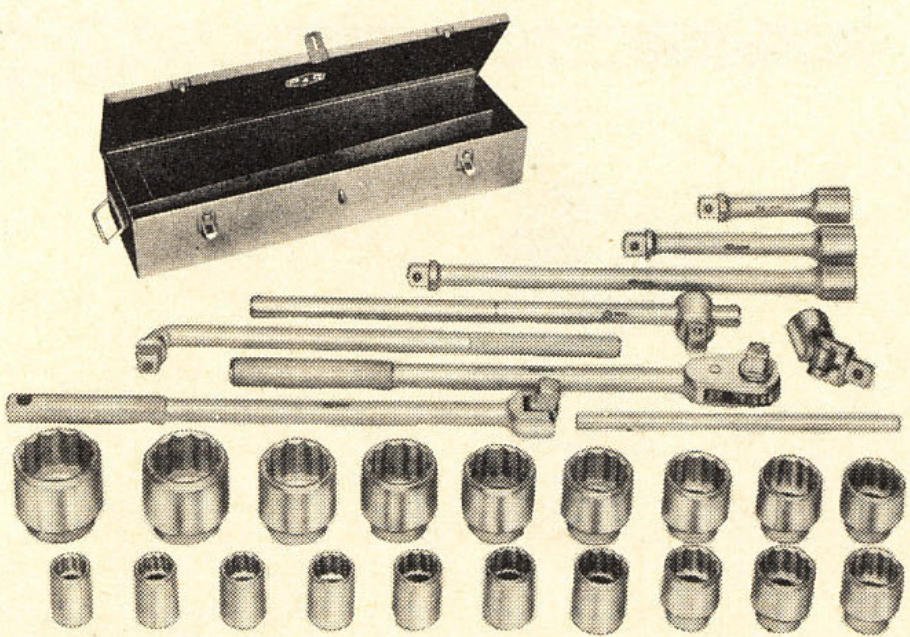
No. 9300-NR 12-piece Basic 3/4" Drive Set  
 Wt. 19.7 lbs.

**29 piece "MASTER" 3/4" DRIVE SET**

No.	Size	No.	Size	No.	Size
9328	7/8"	9342	1 5/16"	9354	1 11/16"
9330	15/16"	9344	1 3/8"	9356	1 3/4"
9332	1"	9346	1 7/16"	9358	1 13/16"
9334	1 1/16"	9348	1 1/2"	9360	1 7/8"
9336	1 1/8"	9350	1 9/16"	9364	2"
9338	1 3/16"	9352	1 5/8"	9368	2 1/8"
9340	1 1/4"				

No.		No.	
9201	11" Cross Bar	9209	Reversible Ratchet
9203	5" Extension	9238	Flex Handle
9204	8" Extension	9255	L-Handle
9206	16" Extension	9265	Sliding T-Handle
9208	Universal Joint	5894	30"x8 1/4"x5" Metal Box

9300-H 29-piece Master 3/4" Drive Set Wt. 55 lbs.



# 1" DRIVE SOCKETS ATTACHMENTS AND SET

Highest quality steel, and lots of it, keeps these tools on the toughest jobs, whether heavy construction equipment, locomotives, trucks, buses, logging, mining or oil fields. Carefully heat treated for maximum strength and durability.

## P&C 12 point SOCKETS

No.	Opening Size	Inside Clearance	Length	Wt. lbs.
9548	1 1/2"	2 1/4"	3 1/4"	1.6
9552	1 5/8"	2 1/4"	3 1/4"	1.73
9558	1 13/16"	2 5/16"	3 5/16"	1.85
9560	1 7/8"	2 3/8"	3 3/8"	1.94
9564	2"	2 7/16"	3 7/16"	2.2
9570	2 3/16"	2 3/4"	3 3/4"	3.1
9572	2 1/4"	2 13/16"	3 13/16"	3.4
9576	2 3/8"	2 15/16"	3 15/16"	3.9
9580	2 1/2"	3"	4"	4.6
9582	2 9/16"	3"	4"	4.9
9584	2 5/8"	3 1/8"	4 1/8"	5.2
9588	2 3/4"	3 3/8"	4 3/8"	6.2
9594	2 15/16"	3 5/8"	4 5/8"	7.7
9596	3"	3 1/2"	4 5/8"	7.9
9600	3 1/8"	3 7/8"	4 7/8"	9.6
9612	3 1/2"	4 1/2"	5 1/2"	15.0

**REVERSIBLE RATCHET** Exceptionally strong with extra steel at points of stress for powerful pulls on the most rugged jobs. Enclosed head design with convenient reversing lever. Removable drive plug has non-slip friction ball to hold sockets and extensions securely. Over-all length 26" for extremely powerful leverage.

No. 9509 Length 26" Wt. 12.0 lbs.

### CROSS BAR

No. 9501 Diam. 1" Length 24" Wt. 5.3 lbs.

### SLIDING HEAD

No. 9565 Length 3" Wt. 1.48 lbs.

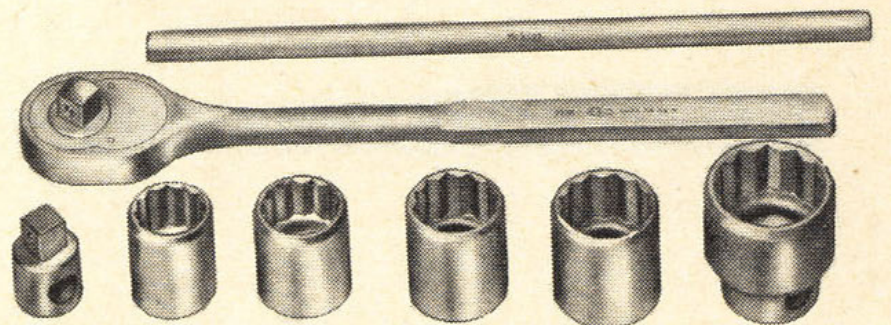
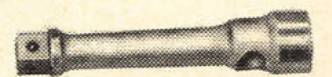
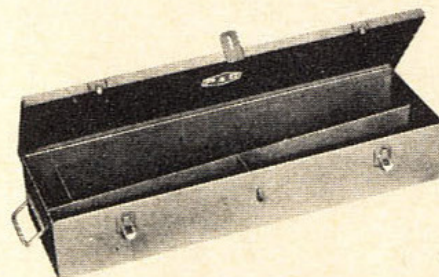
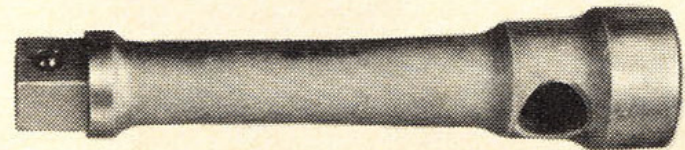
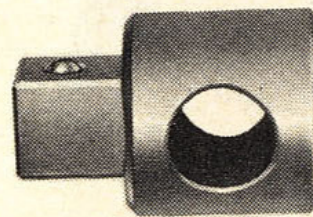
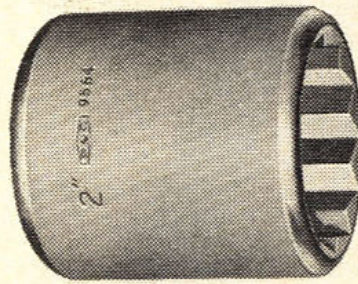
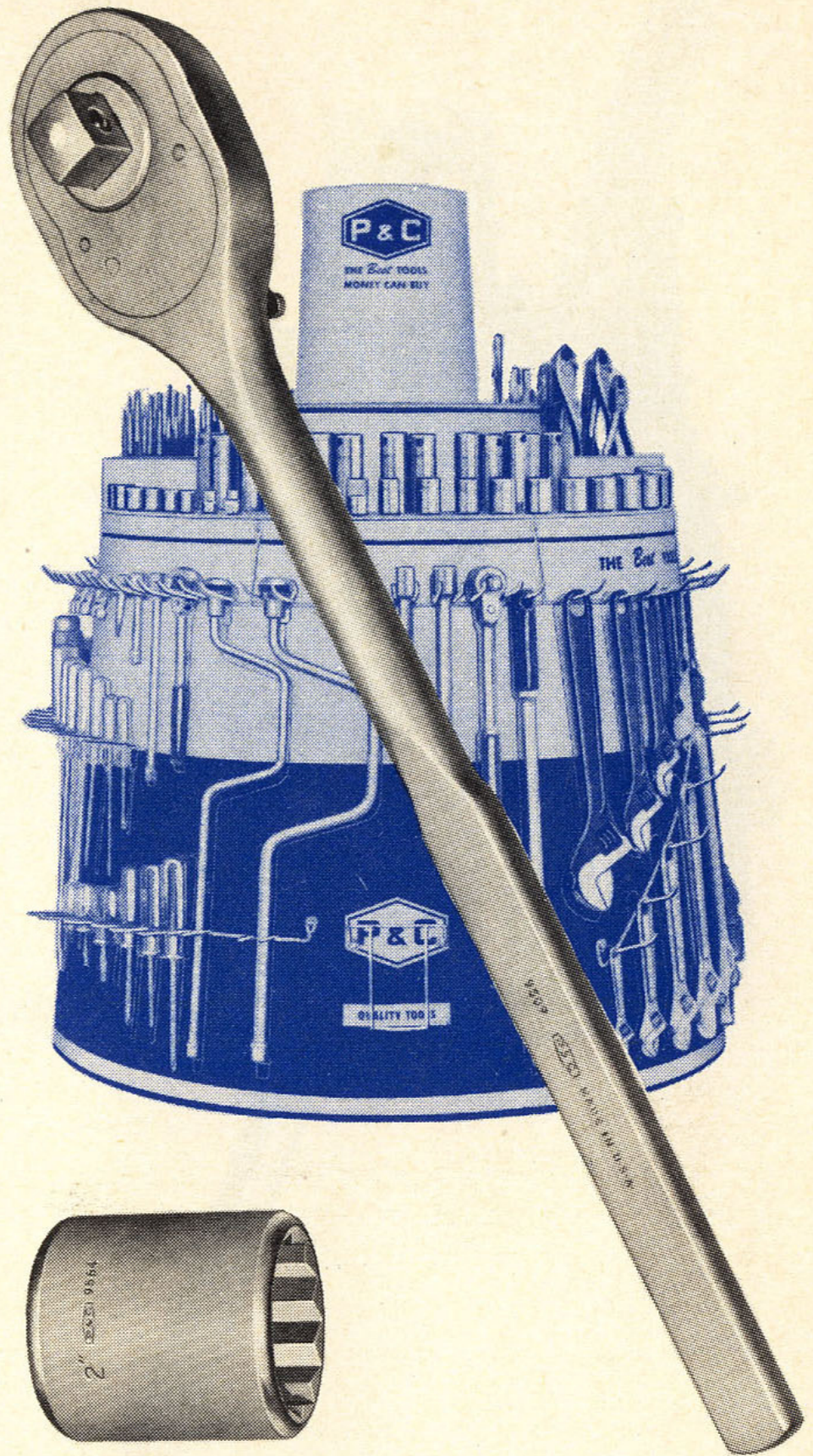
### EXTENSIONS

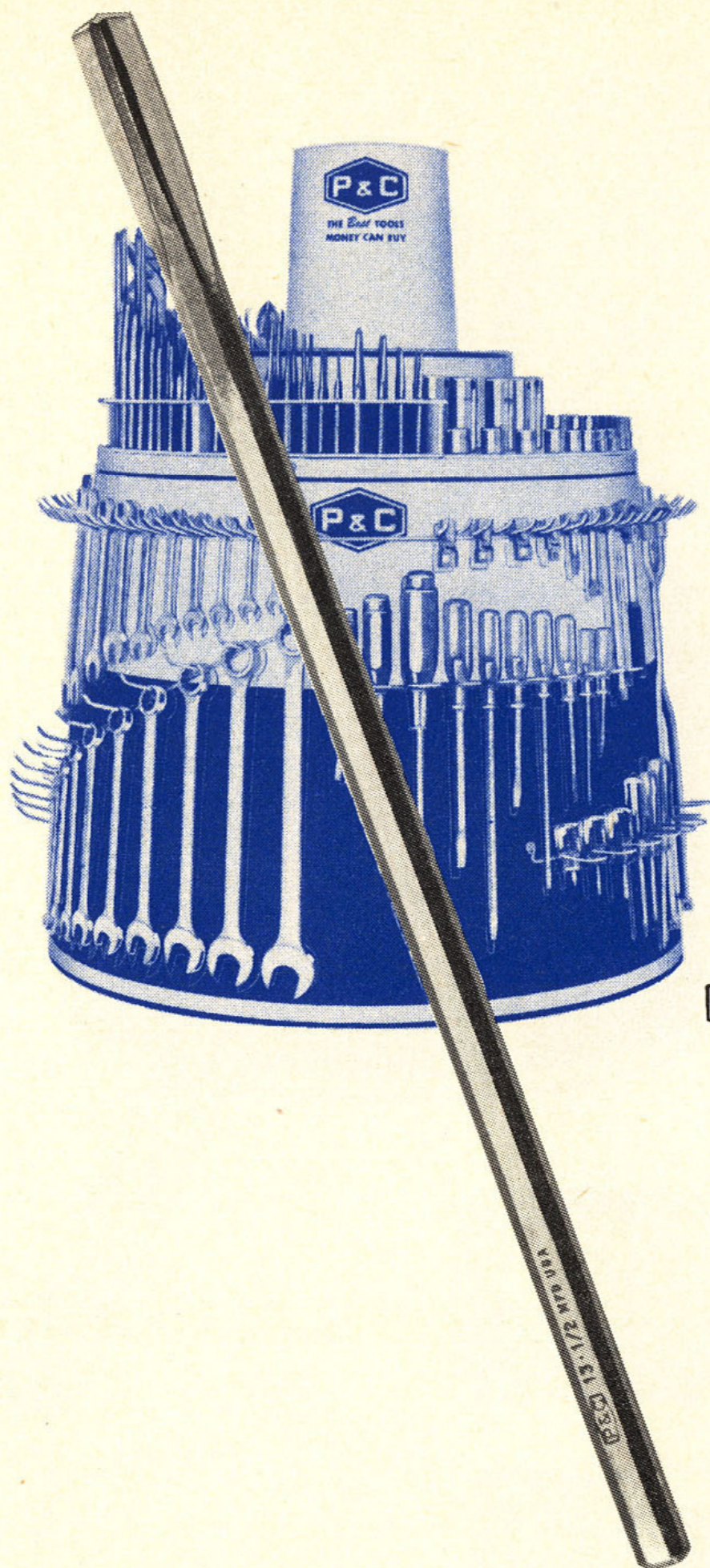
No. 9504 Length 9" Wt. 3.6 lbs.  
 9506 18" 6.0

## P&C 1" DRIVE SET

### 10 piece "HEAVY DUTY" SET

No.	Description	No.	Description
9558	1 13/16" Socket	9509	Reversible Ratchet
9564	2" Socket	9504	9" Extension
9570	2 3/16" Socket	9501	Cross Bar
9576	2 3/8" Socket	9565	Sliding Head for No. 9501
9588	2 3/4" Socket	5894	Metal Box 30"x8 1/4"x5"
No. 9500-OC Set Wt. 60 lbs.			





## P & C PLUMBING TOOLS

Highest quality alloy steel and tough chisel steel are forged into the most efficient shapes to meet the specialized needs of plumbers, construction and irrigation men.

Large, octagon handles with beveled heads designed to give perfect balance and positive grip. All P&C calkers, floor chisels, and yarning irons have substantially offset handles for safe knuckle clearance.

The service ends of all plumbing tools are highly polished and lacquer dipped to resist rust. The keen edges on cutting tools are oil tempered to retain their sharpness.

### P & C CUTTING TOOLS

#### STAR DRILLS

No.	Stock Size	Width of Cut	Length	Wt. lbs.
13 1/4	1/4"	1/4"	12"	.17
13 5/16	1/4"	5/16"	12"	.17
13 3/8	5/16"	3/8"	12"	.26
13 1/2	3/8"	1/2"	12"	.39
13 5/8	7/16"	5/8"	12"	.53
13 3/4	1/2"	3/4"	12"	.85
13 7/8	5/8"	7/8"	12"	1.06
13-1	3/4"	1"	12"	1.56

**CONCRETE GADS** Forged from tough chisel steel and well tempered. Big, octagon handle and beveled head.

No.	Stock Size	Length	Wt. lbs.
84 3/4	3/4"	12"	1.42
84 7/8	7/8"	12"	1.84
84-1	1"	12"	2.40

**FLOOR CHISELS** Tapered blade width prevents chocking or wedging. Keen, oil tempered cutting edge. Blade is highly polished and lacquer dipped to resist rust.

No.	Stock Size	Width of Cut	Blade Length	Length	Wt. lbs.
5 7/16	7/16"	5/8"	4 1/2"	10"	.38
5 1/2	1/2"	3/4"	4 1/4"	10"	.54
5 5/8	5/8"	1"	3 3/4"	10"	.70
5 3/4	3/4"	1 3/16"	3 1/2"	10"	1.00

**SOIL PIPE CHISELS** Oil tempered, rounded nose gives maximum cutting edge at contact point, regardless of chisel angle. Big, octagon handle, with beveled head, gives safe, firm grip.

No.	Stock Size	Blade Width	Blade Length	Length	Wt. lbs.
37 1/2	1/2"	5/8"	2 1/8"	5 1/2"	.30
37 5/8	5/8"	3/4"	2 3/8"	6"	.48
37 3/4	3/4"	7/8"	2 7/8"	6 1/2"	.74



**P & C YARNING IRONS AND CALKERS**

**OFFSET YARNING IRONS** Has highly polished, lacquer dipped, rust resisting blade. Octagon handle has beveled head and is substantially offset for safe knuckle clearance.

No.	Stock Size	Blade Width	Blade Length	Length	Wt. lbs.
14 1/2 x 11 1/2	1/2"	5/8"	6 3/4"	11 1/2"	.47
14 5/8 x 12	5/8"	11/16"	7 1/4"	12"	.78
14 5/8 x 18	5/8"	11/16"	12 3/4"	18"	.93
14 3/4 x 14	3/4"	3/4"	9 1/2"	14"	1.07



**SPRING YARNING IRONS** Perfectly balanced, has slightly offset octagon handle with beveled head for fast work. Thin, highly polished, spring steel blade resists rust.

No.	Stock Size	Width of Cut	Blade Length	Length	Wt. lbs.
6 1/2 x 11 1/2	1/2"	5/8"	6 1/2"	11 1/2"	.43
6 5/8 x 12	5/8"	3/4"	7"	12"	.66
6 5/8 x 18	5/8"	3/4"	13"	18"	.75



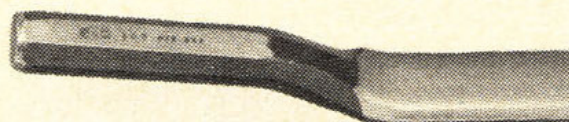
**OFFSET CALKERS** Standard offset calking tool. Special alloy steel. Polished, rust resisting blade ground inside or outside.

No.	Stock Size	Blade Width	Blade Length	Length	Wt. lbs.
033 1/2 In	1/2"	3/4"	1 1/2"	5 5/8"	.30
033 1/2 Out	1/2"	3/4"	1 1/2"	5 5/8"	.30
033 5/8 In	5/8"	7/8"	1 5/8"	6 1/4"	.49
033 5/8 Out	5/8"	7/8"	1 5/8"	6 1/4"	.49



**WATER MAIN CALKER** Tough, chisel steel blade ground square to speed calking cast iron main joints; highly polished, lacquer dipped to resist rust. Beveled head.

No.	Stock Size	Blade Thickness	Blade Length	Length	Wt. lbs.
109	3/4"	3/16"	2 1/16"	8"	.88



**LONG CALKERS**

No.	Stock Size	Blade Width	Blade Length	Length	Wt. lbs.
33 1/2 In	1/2"	3/4"	1 1/2"	5 1/2"	.29
33 1/2 Out	1/2"	3/4"	1 1/2"	5 1/2"	.29
33 5/8 In	5/8"	7/8"	1 3/4"	5 3/4"	.45
33 5/8 Out	5/8"	7/8"	1 3/4"	5 3/4"	.45

**LONG GASKET CALKERS** Special alloy steel. Husky, octagon handle offset for firm grip and safe knuckle clearance.

No.	Stock Size	Blade Width	Blade Length	Length	Wt. lbs.
131 5/8	5/8"	7/8"	4"	9 1/2"	.64
131 3/4	3/4"	1"	4"	9 1/2"	.99

**BROAD CURVED NOSE CALKER** Broad, concave blade forged from tough chisel steel, speeds work. Handle offset for safe clearance. Blade polished, rust resisting.

No.	Stock Size	Blade Width	Blade Length	Length	Wt. lbs.
110	5/8"	1 1/2"	1/8"	8 1/2"	.71

**CURVED PONY CALKERS** Shorter for special jobs but same husky design from tough chisel steel. Forged with concave blade; rust resisting and polished.

No.	Stock Size	Blade Width	Blade Length	Length	Wt. lbs.
21 1/2 In	1/2"	3/4"	1 1/4"	3"	.14
21 1/2 Out	1/2"	3/4"	1 1/4"	3"	.14

**CEILING CALKER**

No.	Stock Size	Blade Width	Blade Length	Overall Length	Wt. lbs.
130 5/8	5/8"	11/16"	1 5/8"	10"	1.20

**LEFT AND RIGHT CALKERS**

No.	Stock Size	Blade Width	Blade Length	Overall Length	Wt. lbs.
132L	5/8"	7/8"	1 5/8"	8 7/8"	.87
132R	5/8"	7/8"	1 5/8"	8 7/8"	.87

**LEAD PICKING TOOL**

No.	Stock Size	Cut Width	Blade Length	Overall Length	Wt. lbs.
112	1/2"	3/16"	2 3/8"	9"	.44

**BENDING IRONS**

No.	Stock Size	Overall Length	Wt. lbs.
135 1/2	1/2"	10 5/8"	.50
135 5/8	5/8"	10 5/8"	.75

**SCRATCH AWLS**

No.	Stock Size	Overall Length	Wt. lbs.
118	5/16"	7"	.17
119	3/16"	6 3/4"	.05

**TUBING EXPANDER** Very handy for any pipe or tubing worker. This special tool expands pipe or tubing in three steps to inside diameters of 1 1/4", 1 3/8" and 1 1/2".

No. 136 1/2 Length 3 1/8" Wt. .86 lbs.



# P & C PULLERS

Great versatility makes P & C Pullers outstanding because parts are interchangeable. Farm, garage, service station and industrial users can make up assemblies for practically every job from only a few standard parts.

Ample strength is assured by experienced engineering design and special alloy steel. P & C Pullers are hot forged and precision machined to operate easier and last longer. These sturdy tools are finished in durable chrome plate to resist rust. All of the parts listed under the following pullers and sets are available separately or in any combination: Nos. 4001, 4056, 4020-B, 4030-B, 4060-A and 4070-C.

**HEAVY DUTY PULLER** Designed and built to handle heaviest jobs. Detachable tip on screw remains stationary, does not score surfaces.

Quan. No.	Description
1 4011	Crossarm 11" long.
1 4012	Screw, 11½" long; 5/8" hex head with 4012-T Detachable Tip—60° taper.
2 4015	Jaws, 4¾" from crossarm to hook.
2 4016	Jaws, 7" from crossarm to hook.
2 4017	Timing Gear Jaws, 7" from crossarm to hook.
2 4018	Cap Screw Jaws, 3" from crossarm to hook.

No. 4030-A Heavy Duty Set, as listed above, in 4019 Steel Box, 1¾"x5½"x12". Wt. 14.4 lbs.

No. 4030-B Heavy Duty Set without box. Wt. 12.6 lbs.

**MEDIUM DUTY PULLER** Ideal for generators, starter and armature gears, bearings, cones, ball races, and many similar jobs. Strong forged jaws adjust quickly, easily. Tip of screw is detachable and does not rotate. Prevents scoring expensive shafts. Screw stays on center under pressure without "walking" on flat surfaces.

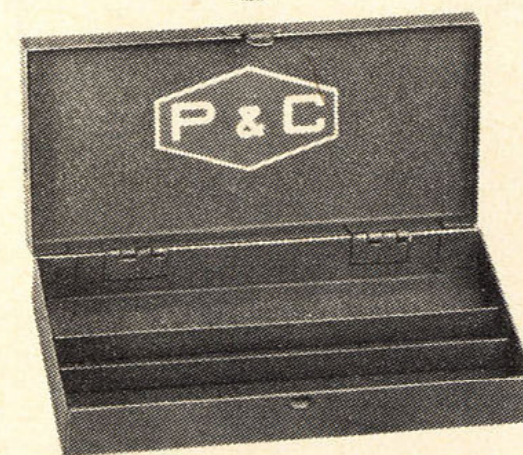
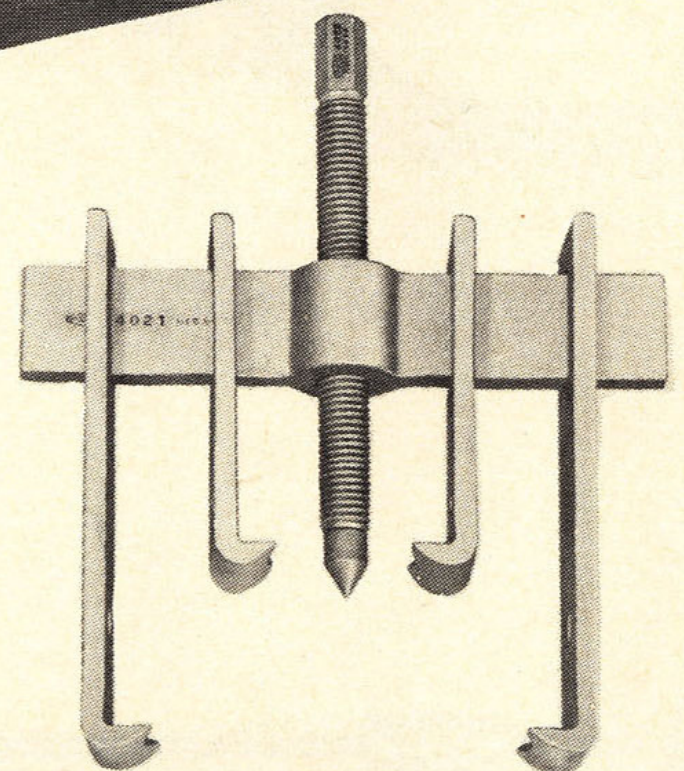
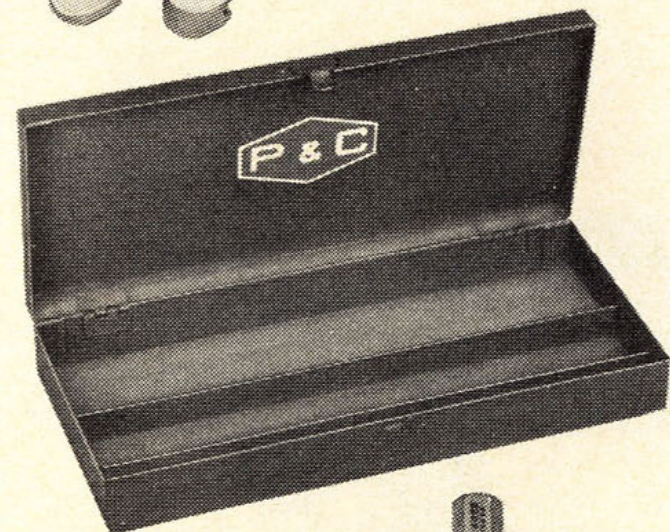
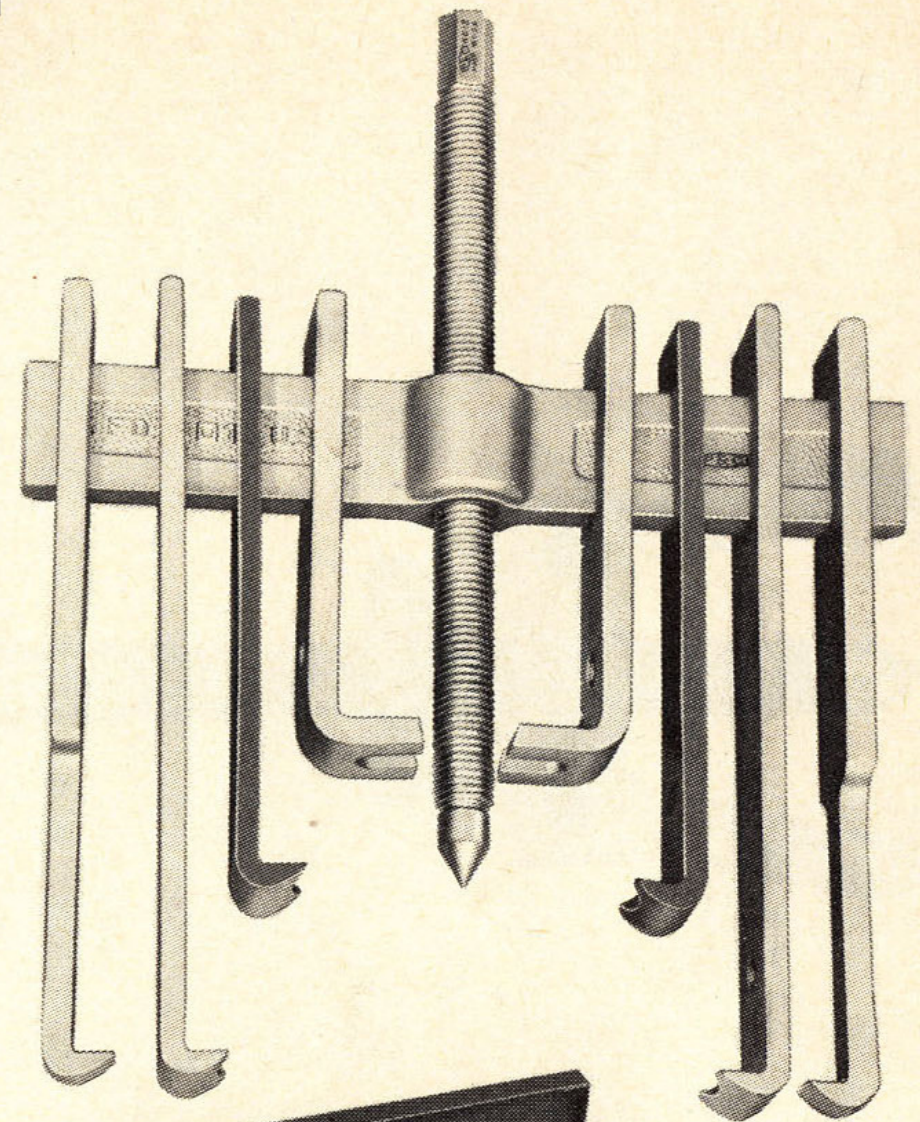
Quan. No.	Description
1 4021	Crossarm, 7" long.
1 4022	Screw, 7" long; 1/2" hex head with 4022T Detachable Tip—60° Taper.
2 4025	Jaws, 2" from crossarm to hook.
2 4026	Jaws, 4" from crossarm to hook.

No. 4020-A Medium Duty Set in 4029 Steel box, 1½"x3¾"x7½". Wt. 4.1 lbs.

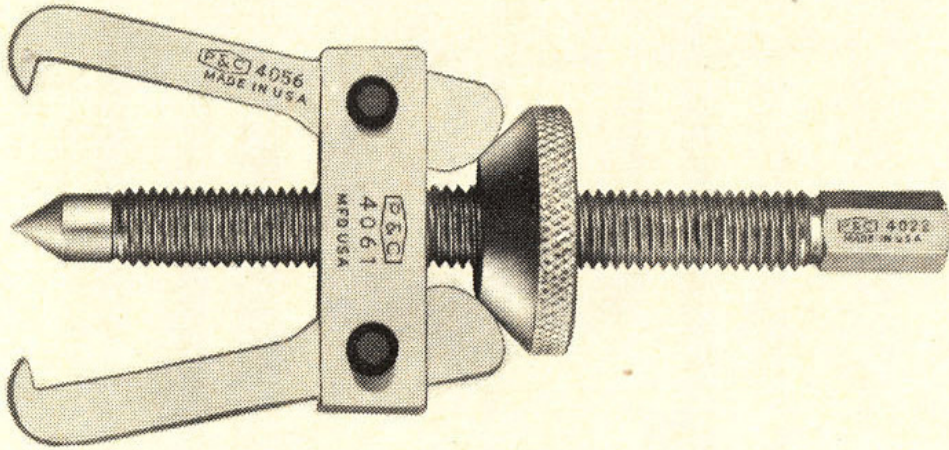
No. 4020-B Medium Duty Set without box. Wt. 3.2 lbs.

Also available:

- 4027 Narrow Jaw, 4" from crossarm to hook.
- 4028 3" Cap Screw.



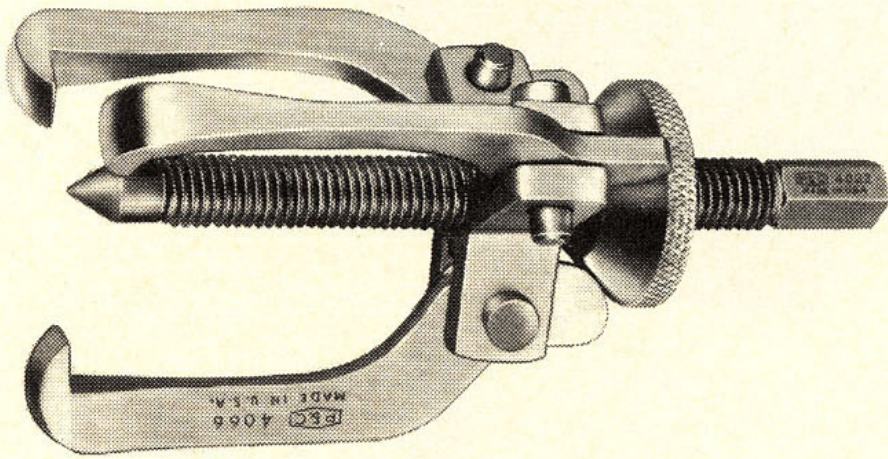
**TWO-JAW LIGHT DUTY PULLER** Narrow jaws on this tool need little space. Ideal for small gears, pulleys, bearings. Adjusting nut holds jaws firmly in position so they cannot slip.



Quan. No.	Description
1 4022	Screw, 6 $\frac{3}{4}$ " long, $\frac{1}{2}$ " hex head with 4022-T Detachable Tip.
1 4063	Knurled non-reversible adjusting nut, 1 $\frac{3}{4}$ " diam.
1 4061	Yoke, 2 $\frac{1}{2}$ " wide, for holding two jaws.
2 4056-PN	Pins with ball check to hold jaws in Yoke.
2 4056-J	Reversible Jaws, 3 $\frac{1}{2}$ " long, 0" to 1 $\frac{1}{2}$ " range.
2 4066	Outside Jaws, 4 $\frac{1}{2}$ " long, 0" to 3" range.
No. 4060-A	Light Duty Set. Wt. 1.75 lbs. as listed above.

### THREE-JAW LIGHT DUTY PULLER

(Similar to 4060-A, except it has 3 jaws.)



Quan. No.	Description
1 4022	Screw, 6 $\frac{3}{4}$ " long, $\frac{1}{2}$ " hex head with 4022-T Detachable Tip.
1 4063	Knurled non-reversible adjusting nut, 1 $\frac{3}{4}$ " diam.
1 4071	Yoke, 2 $\frac{1}{2}$ " diam., for holding 3 jaws.
3 4056-PN	Pins with ball check to hold jaws in yoke.
3 4066	Outside jaws, 4 $\frac{1}{2}$ " long, 0" to 3" range.

No. 4070-C Light Duty Set. Wt. 1.94 lbs. as listed above.

**SLIDE HAMMER PULLER** Axles, bearing cups, sleeves, retainers and other stubborn parts are handled effectively under the impact of this 2 $\frac{1}{2}$  lb. sliding hammer.

No. 4056 Puller includes:

Quan. No.	Description
1 4056-R	T-Handle Rod, 24" long, threaded end.
1 4056-H	2 $\frac{1}{2}$ lb. Sliding Hammer with fluted grip.
1 4056-N	Knurled Reversible Adjusting nut, 2 $\frac{1}{2}$ " diam.
1 4071	Yoke for holding 3 jaws, 2 $\frac{1}{2}$ " diam.
3 4056-J	Reversible Jaws, 3 $\frac{1}{2}$ " long.
3 4056-PN	Pins, with spring ball check to hold jaws in yoke.

No. 4056 Slide Hammer Set Wt. 6.1 lbs.

Also available:

- 4056-RS Short slide hammer rod, 12 $\frac{3}{8}$ " long. Wt. .96 lbs.
- 4057-J Long Reversible Jaws, 4 $\frac{5}{8}$ ". Wt. .18 lbs.
- 4058-J 3 $\frac{3}{2}$ " Inside Jaw for Pilot Bearings. Wt. .10 lbs.

**UNIVERSAL WHEEL PULLER** Fast, simple, this puller handles wheels of practically every car or truck. Legs adjust quickly to any drum with 3, 4, 5, 6, or 7 studs in a circle up to 6½" diameter. Legs take studs up to 9/16". Supplied with Adaptor Ring and Screws shown for Ford wheels.

No. 4001 Puller includes:

Quan.	No.	Description
1	4001-B	Puller Body, 6¾" long.
1	4001-S	1" Puller Screw, with detachable tip; 8" long.
3	4001-J	Legs, offset 1⅝" to clear hubs; 3⅞" from Crossarm to offset.
1	4001-R	Ford Adaptor Ring.
2	4001-C	Ford Adaptor Cap Screws, 4½" long.

No. 4001 Universal Wheel Puller Wt. 9.8 lbs.

Also available: 4001-JT, Legs, offset 1¾" to clear hubs; 3⅞" from Crossarm to offset.

**BATTERY TERMINAL PULLER** Removes battery terminal clamps quickly and easily, even when badly corroded. Also handy for small bearings and other light pulling jobs.

No. 4041 Length 4¼" Wt. .65 lbs.

**BATTERY TERMINAL PULLER** Different from conventional pullers, this type is lighter, easier to use and faster to set up.

No. 4042 Wt. .44 lbs.

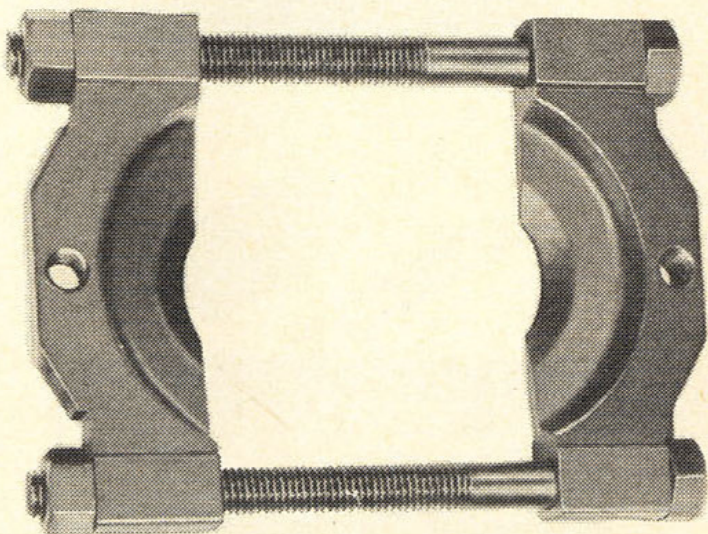
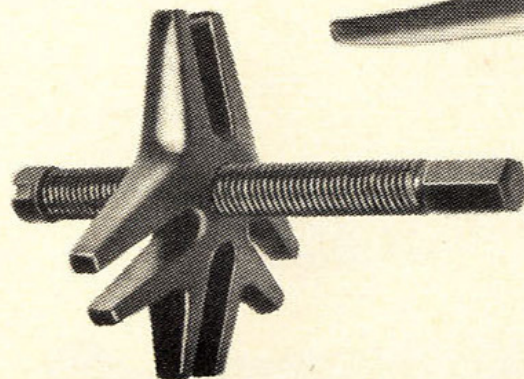
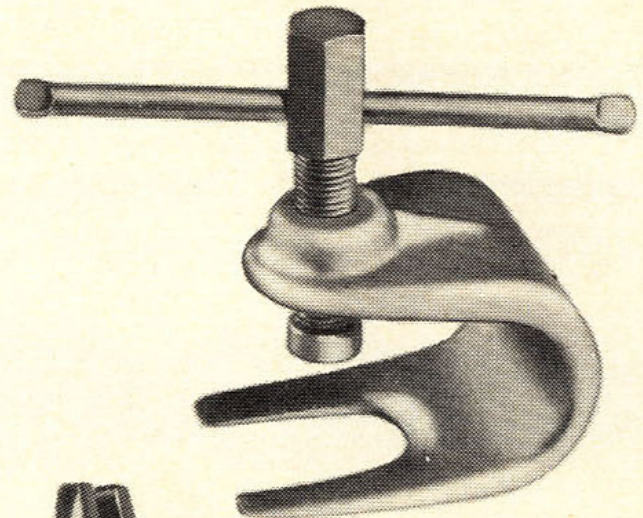
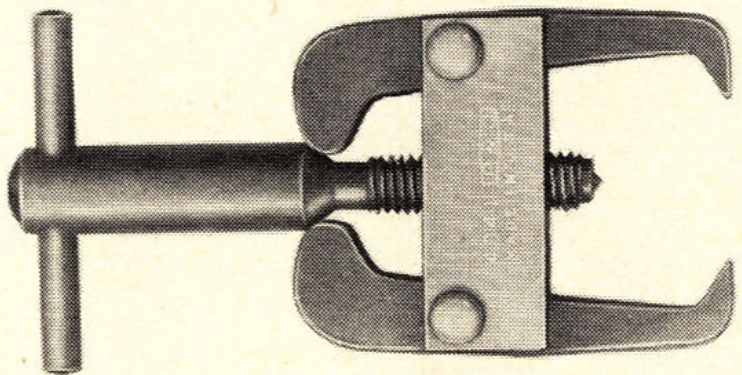
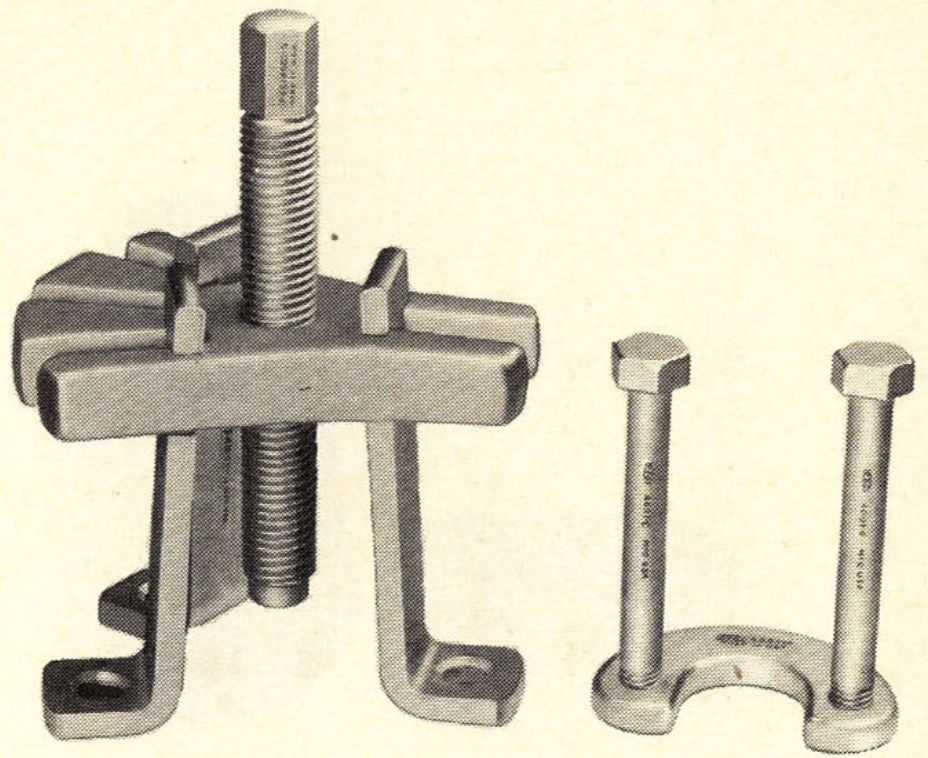
**STEERING WHEEL PULLER** Ideal for many cap screw pulling jobs, this puller is designed for drilled and tapped steering wheels. Holds two diametrically opposed cap screws, or three screws spaced 120° apart. Rotating screw tip is cut away to prevent interference with horn button wiring.

No. 4043 Steering Wheel Puller Set Wt. 1.03 lbs.

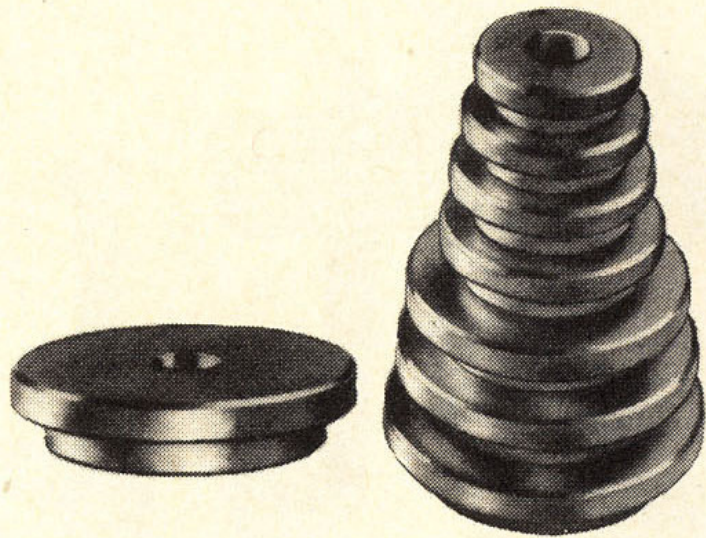
**BEARING SEPARATOR AND PULLER ATTACHMENT**

Designed to work in limited space, thin, sharp edges and flat surfaces make adjustments easy, protect expensive bearings.

No. 4032 Bearing Separator and Puller Attachment Set. Maximum opening 4½", width 5⅜", Wt. 4.4 lbs.



**STEP PLATE ADAPTORS** Used as base for puller screw on hollow shafts and housings when pulling bushings, gears, etc. Handy for installing oil seals.

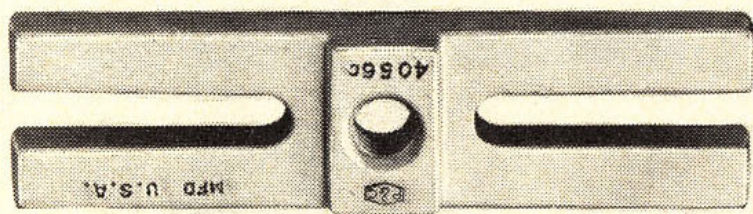


No.	Small Diam.	Large Diam.	Wt. lbs.
4040-1	3/4"	1"	.05
4040-2	7/8"	1 1/8"	.08
4040-3	1"	1 1/4"	.10
4040-4	1 1/8"	1 3/8"	.13
4040-5	1 1/4"	1 5/8"	.19
4040-6	1 3/8"	1 3/4"	.22
4040-7	1 1/2"	1 7/8"	.28
4040-8	1 5/8"	2"	.33
4040-9	1 3/4"	2 1/8"	.40
4040-10	1 7/8"	2 3/8"	.49
4040-11	2"	2 1/2"	.59
4040-12	2 1/8"	2 5/8"	.65
4040-13	2 1/4"	2 3/4"	.76
4040-14	2 3/8"	2 7/8"	.83

No. 4040 11 piece Step Plate Set. Wt. 3.0 lbs.  
Includes Nos. 4040-1 to 4040-11.

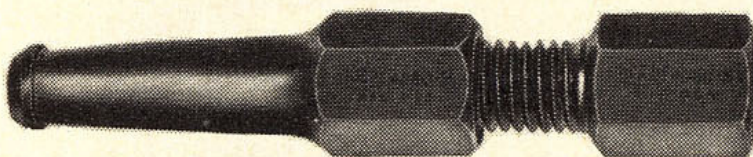
## **P&C** AUXILIARY PULLER ATTACHMENTS

Increase the efficiency and extend the range of your standard puller sets with these attachments. They all are interchangeable with the 4056 SLIDE HAMMER PULLER and the 4060-A and 4070-C LIGHT DUTY PULLER SETS.



**DEEP SLOTTED CAP SCREW CROSSARM** Ideal for pulling gears, pulleys and other assemblies with cap screws. Slots take up to 7/16" bolts between arms.

No. 4056-C Length 6" Wt. 1.10 lbs.



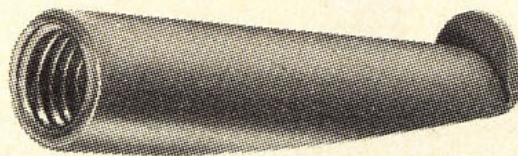
**COLLET TYPE BLIND BEARING PULLER** Exceptionally wide shoulder expansion adapts it to many applications in addition to pulling fly-wheel pilot bearings. Hex head 3/4" tapped for No. 4022 screw and 4056-R Slide Hammer T-Rod handle.

No. 4080 Length 4 1/2" Wt. .34 lbs.



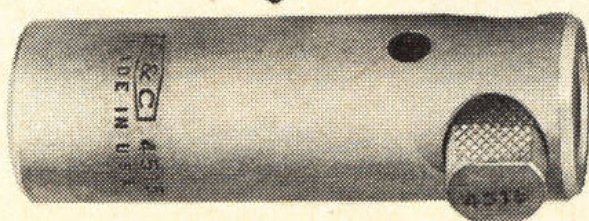
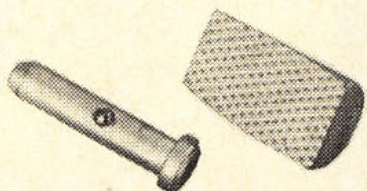
**INSIDE JAW** Increases range of Light Duty Pullers in many inside pulling jobs.

No. 4056-L Length 4 1/2" Wt. .21 lbs.



**SINGLE JAW** Fast and convenient for wheel alignment and brake work. Pulls grease retainers in small shafts, bearings, bushings, etc.

No. 4056-S Length 2 1/16" Wt. .17 lbs.



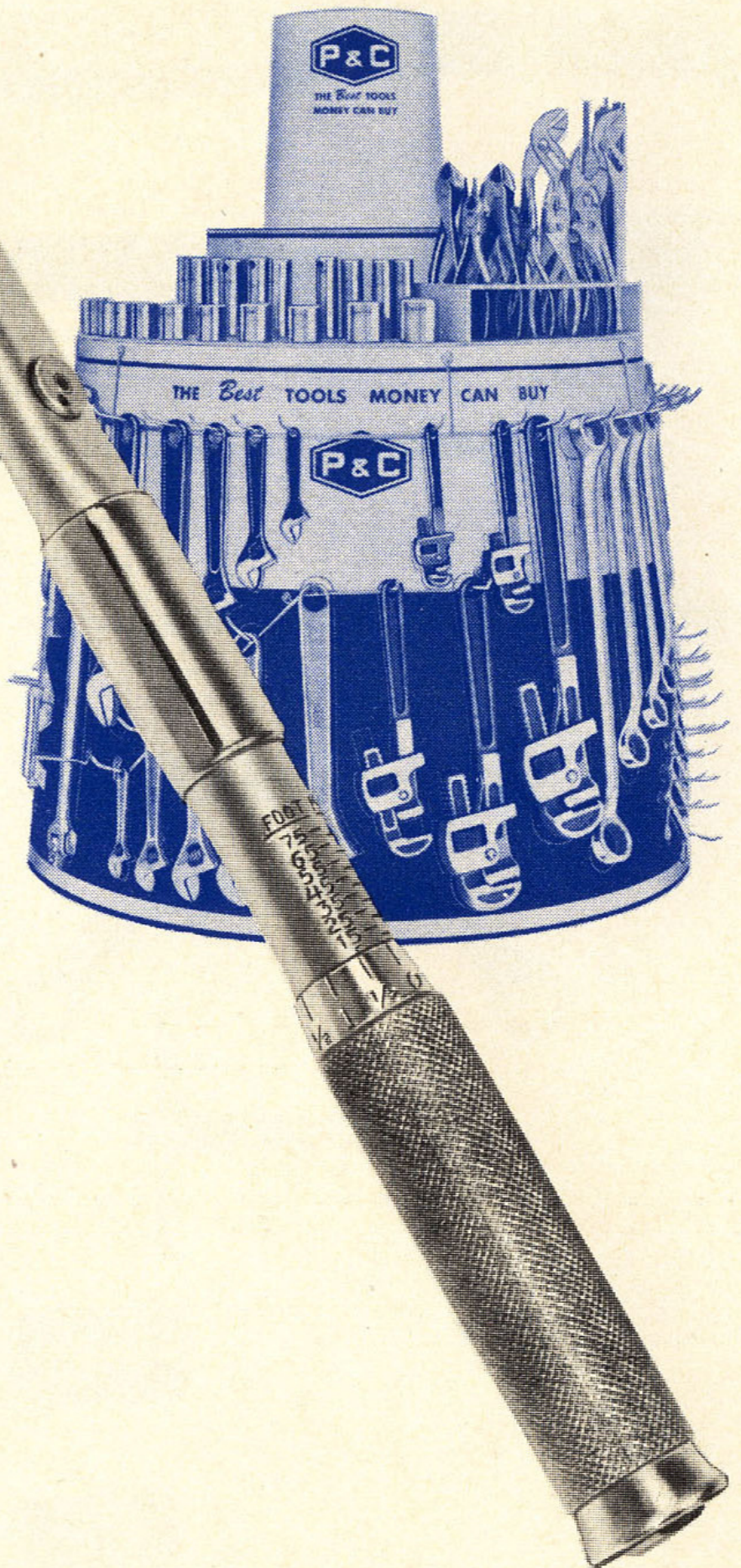
## **WEDGE TYPE STUD PULLERS**

Small turning radius of these tools clears many obstructions that interfere with other types of pullers. Deeply serrated wedges grip tighter under pressure and hold stubborn studs firmly. Can be used with hand or power tools. Comes complete with two wedges.

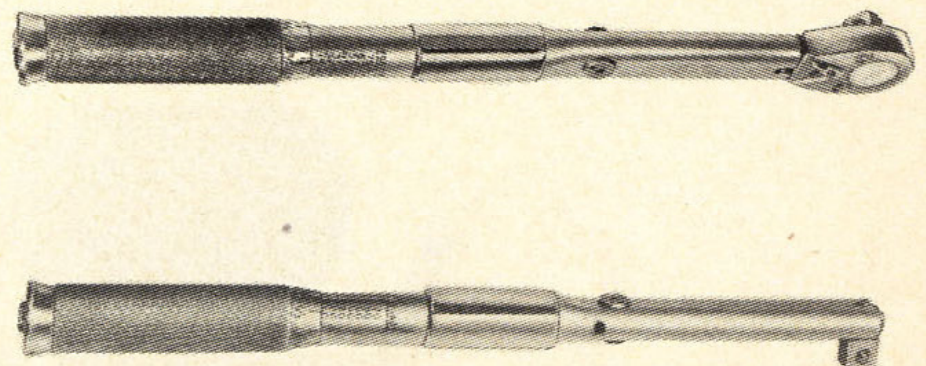
No.	Description	Wt. lbs.
4515	1/2" square drive for studs 1/4" to 5/8"	.78
4532	3/4" square drive for studs 5/8" to 1"	3.4

# P & C TORQUE WRENCHES

From head to handle, this brand new automatic torque-limiting type wrench is amazing. Look at the innovations: (1) Automatic torque-limiting release signals completion of operation . . . no sounds to listen for, no dials, scales or pointers to watch . . . resets automatically; (2) Streamlined design and no accessories reduces weight and fatigue; (3) Special alloy steel construction with precision spring and other working parts enclosed means long, accurate, trouble-free service; (4) Comes with plain head or regular built-in ratchet head, both with 3/8" or 1/2" square drive; (5) Lock holds exact setting; (6) Micrometer type adjustment with easy-to-read, accurate vernier and deep markings; (7) Flared end on knurled handle prevents slipping; (8) Releases in very short arc; (9) Handy reversing lever; (10) Three sizes with capacities from 5 to 150 ft. lbs.; (11) Can be used in dark, "blind" spots, noisy places, on vibrating objects, under water, in oil or grease, with heavily gloved hands, or even with your feet.



No.	Square Drive Size	Capacity, Ft. lbs.	Graduations, Ft. lbs.	Head	Length	Wt. lbs.
6305	3/8"	5-75	1	Plain	13 1/4"	1.31
6306	3/8"	5-75	1	Ratchet	14 1/16"	1.52
6307	1/2"	5-75	1	Plain	13 1/4"	1.31
6308	1/2"	5-75	1	Ratchet	14 1/16"	1.52
6315	1/2"	10-150	2	Plain	17 1/4"	2.02
6316	1/2"	10-150	2	Ratchet	18 3/4"	2.39



## P&C SPECIAL PURPOSE TOOLS

**BRAKE ADJUSTING TOOLS** Blades are forged at the proper angle for easy, quick adjustment of the star nut on 2-shoe Bendix brakes found on most cars and trucks. Each blade 11¼" long.

No. 302 Length 7" Spoons 15/8" Wt. .15 lbs.  
303 8½" 13/16 and 17/16" .18

**FLEXIBLE CARBON SCRAPER** Stiffness of the 10 flexible blades made of round spring steel can be adjusted with the sliding band.

No. 94 Length 9" Width 1" Wt. .3 lbs.

**GASKET SCRAPER** For removing shellacked gaskets, carbon, etc. Many uses.

No. Blade Width Length Wt. lbs.  
2336 1½" 117/32" .39

**VALVE GUIDE CLEANER** Five flexible blades adjust to any valve guide size by turning nut at end.

No. 2335 Length 9¾" Wt. .10 lbs.

No. 2335-B—Extra Blade

**LINING UP BARS** Forged from special alloy steel, heat treated for extra strength.

No.	Stock Size	Length	Wt. lbs.
101	1/2"	14"	.65
102	5/8"	18"	1.33
103	3/4"	24"	2.55

**DIESEL INJECTOR WRENCH** Heavy duty 7/16" and 1/2" slotted hex box wrench, for fuel, brake lines.

No. 1207-S Length 6½" Wt. .25 lbs.

**OBSTRUCTION WRENCHES—12 point BOX** The wrench that really works around corners. Very handy for removing or replacing many starter motors.

No.	Opening Sizes	Length	Wt. lbs.
1725	7/16"x1/2"	511/16"	.12
1730	9/16"x5/8"	621/32"	.20
1731	5/8"x3/4"	75/8"	.33

**CARBURETOR JET WRENCH** Fits nearly all types of Stromberg carburetors. Has cross pin and knurled grip for easy turning.

No. 6528 Length 29/16" Wt. .06 lbs.

**FORD V-8 CONNECTING ROD SOCKET** Thin nose 9/16" Hexagon socket, essential for Ford V-8 connecting rods, 1/2" square drive.

No. 2018 Opening 9/16" Length 1½" Wt. .1 lbs.

**CAD. AND LaSALLE CON. ROD SOCKET** Thin nose 6 point hex, 1/2" drive socket fits connecting rod nuts on Cadillacs and LaSalle's.

No. 6522 Opening 7/16" Length 15/8" Wt. .13 lbs.

**FORD V8-85 VALVE LIFTER** Extra length gives leverage to break loose toughest guides. Push guide down to remove keeper, then pry to force out guide.

No. 6539 Stock 3/4" Length 30" Wt. 3.5 lbs.

**PISTON RING COMPRESSOR** Ratchet type, 3½" wide band expands from 23/16" to 5". Two narrow outside bands take strain, prevent flaring, ring breakage. Dual ratcheting synchronizes both bands. Each ratchet tooth compresses diameter .003". Simple trigger locks, releases. L-Handle, fits 1/4" square drive, furnished with each compressor.

No. 2316 Piston Ring Compressor Wt. .85 lbs.

# P & C FEELER GAUGES

Superior quality alloy steel, accurate grinding to thickness and scientific hardening produce thickness gauges that remain true after long use.

## SHORT BLADES

1/2" wide, 3 1/4" long.

No.	Thick	Wt. lbs.	No.	Thick	Wt. lbs.
0015	.0015"	.001	014	.014"	.006
002	.002"	.001	015	.015"	.007
003	.003"	.002	016	.016"	.008
004	.004"	.002	017	.017"	.008
005	.005"	.003	018	.018"	.009
006	.006"	.003	020	.020"	.010
007	.007"	.004	022	.022"	.011
008	.008"	.004	025	.025"	.012
009	.009"	.004	030	.030"	.013
010	.010"	.005	032	.032"	.015
011	.011"	.005	035	.035"	.016
012	.012"	.005	040	.040"	.017
013	.013"	.006			

**STANDARD FEELER GAUGE SET** Nine short blades in 000-C Holder. Thicknesses are .003", .004", .005", .006", .008", .010", .012", .015", and .018".

No. 000-A Standard Feeler Gauge Set Wt. .09 lbs.

## LONG BLADES

1/2" wide, 12" long.

No.	Thick	Wt. lbs.	No.	Thick	Wt. lbs.
0015L	.0015"	.002	008L	.008"	.016
002L	.002"	.004	010L	.010"	.019
003L	.003"	.006	012L	.012"	.021
004L	.004"	.008	013L	.013"	.023
005L	.005"	.009	015L	.015"	.027
006L	.006"	.012	017L	.017"	.028
			018L	.018"	.030

## FEELER GAUGE HOLDER

Holds all available sizes of 3 1/4" long feeler blades.

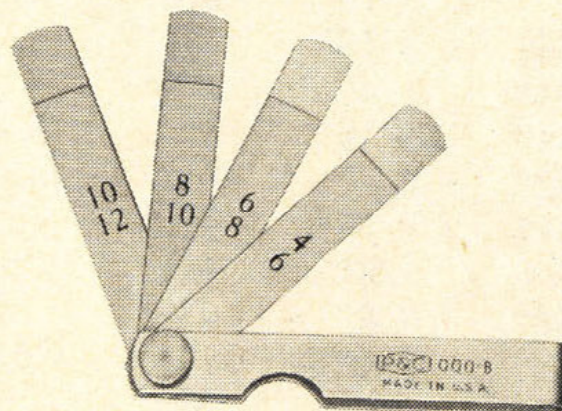
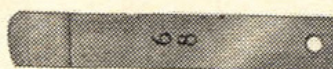
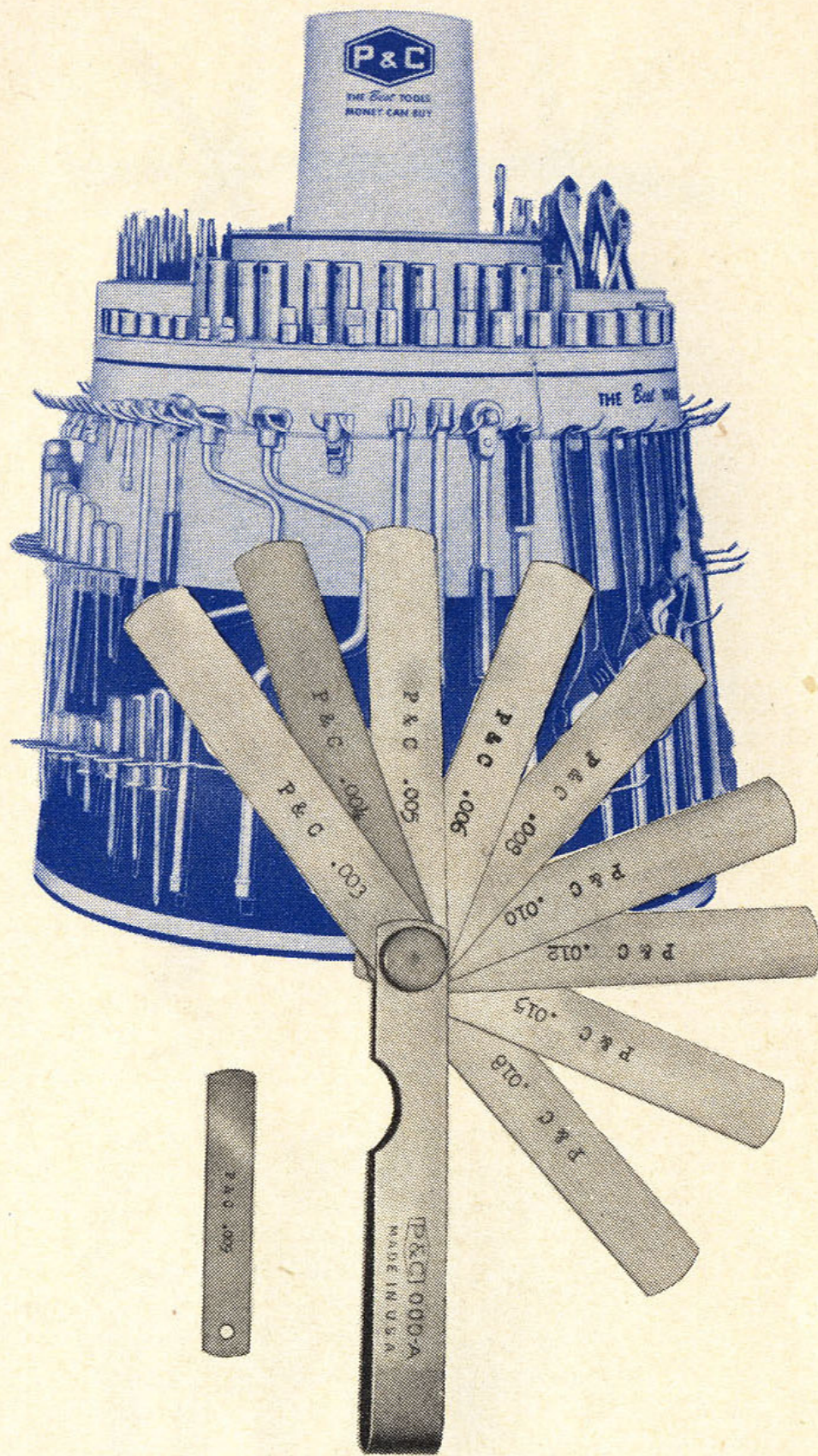
No. 000-C Length 3 3/4" Wt. .05 lbs.

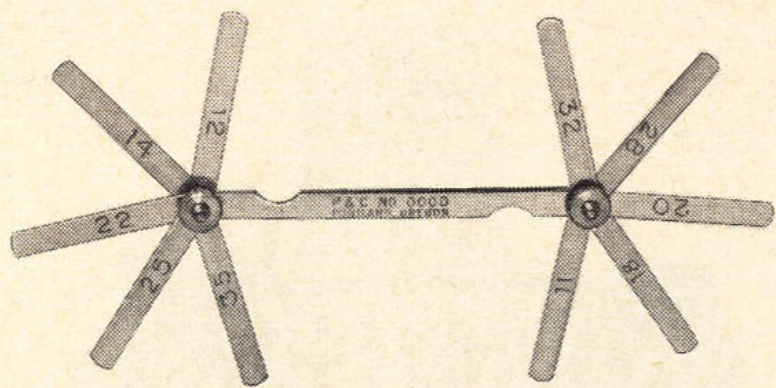
**STEP-CUT FEELER GAUGES** "Go" and "no-go" gauges, with two different thicknesses on each blade, 1/2" wide, 3 1/4" long.

No.	Thick	Wt. lbs.	No.	Thick	Wt. lbs.
004/6	.004" & .006"	.002	008/10	.008" & .010"	.004
005/7	.005" & .007"	.003	009/11	.009" & .011"	.004
006/8	.006" & .008"	.003	010/12	.010" & .012"	.006
007/9	.007" & .009"	.004	011/13	.011" & .013"	.007

**STEP-CUT GAUGE SET** Four gauges, Nos. 004/6, 006/8, 008/10, and 010/12, in No. 000-C Holder.

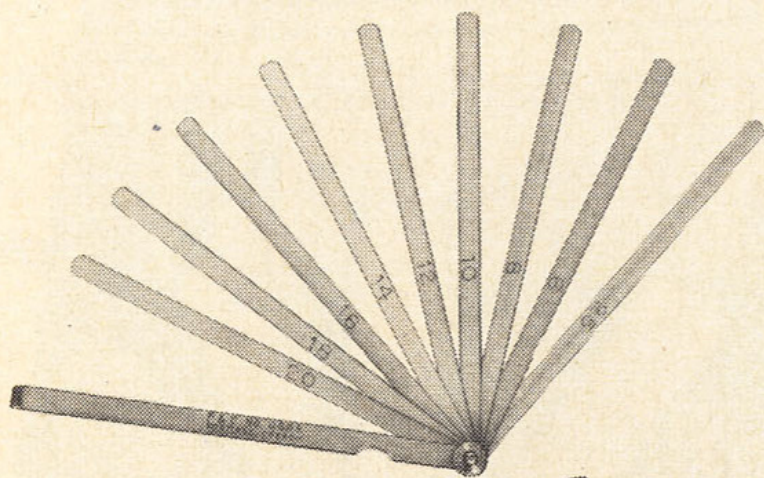
No. 000-B Step-Cut Gauge Set Wt. .06 lbs.





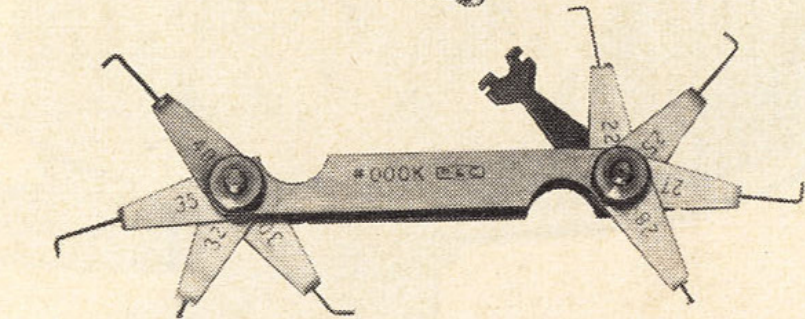
**IGNITION GAUGE SET** Ten blades, 3/16" wide, 1 1/2" long, in holder. Thicknesses are .011", .012", .014", .018", .020", .022", .025", .028", .032", and .035". Blades are not sold separately.

No. 000-D Ignition Gauge Set Wt. .03 lbs.



**BRAKE GAUGE SET** Nine blades, 3/16" wide, 4" long, in holder. Thicknesses are .006", .008", .010", .012", .014", .016", .018", .020" and .025". Blades are not sold separately.

No. 000-E Brake Gauge Set Wt. .04 lbs.



**SPARK PLUG GAUGE SET** Eight bent-wire gauges for checking spark plug gaps, complete in holder. Diameters are .022", .025", .027", .028", .030", .032", .035", and .040".

No. 000-K Spark Plug Gauge Set Wt. .06 lbs.



## SCREW AND PIPE EXTRACTOR SET

Save time and energy in removing broken studs, bolts and fittings. Sharp corners of accurately forged and tempered alloy steel easily driven into metal for good grip. Use No. 9523 on broken Alemite fittings. Includes 5 extractors, Nos. 9521, 9522, 9523, 9524, and 9525.

No. 9500-A Screw and Pipe Extractor Set Wt. .28 lbs.

### SCREW AND PIPE EXTRACTORS

No.	Small End	Shank Size	Length	U.S.S. Screw Size	Drill Size	Min. Hole Depth	Pipe Size	Wt. lbs.
9521	1/8"	3/16"	2 5/16"	1/4", 5/16"	1/8"	3/8"	-----	.02
9522	11/64"	3/16"	2 5/8"	3/8"	3/16"	1/2"	-----	.02
9523	13/64"	1/4"	2 7/8"	7/16"	15/64"	1/2"	1/8"	.04
9524	19/64"	5/16"	3"	1/2", 9/16"	5/16"	1/2"	1/4"	.06
9525	11/32"	3/8"	3 1/4"	5/8"	3/8"	5/8"	3/8"	.10
9525B	27/64"	7/16"	3 7/8"	3/4"	15/32"	11/16"	-----	.12
9526	1/2"	1/2"	4 1/2"	7/8"	9/16"	11/16"	1/2"	.23
9527	19/32"	5/8"	4 7/8"	1", 1 1/8"	21/32"	3/4"	1/2"	.40
9528	23/32"	3/4"	5 3/8"	1 1/4", 1 3/8"	13/16"	3/4"	3/4"	.65
9529	31/32"	1"	5 1/2"	1 1/2"	1 1/16"	3/4"	1"	1.12



# P & C BODY and FENDER TOOLS

Heads on P & C Body and Fender Hammers are perfectly balanced with the handles. Faces are precision ground, highly polished. Heads are forged from high grade alloy hammer steel made to our specifications for toughness and strength. Carefully heat treated for proper temper and hardness, then they are normalized to relieve internal stresses from forging and heat treating.

Heads are securely fastened with drop forged, corrugated wedges. Only select, straight grain, white hickory is used for handles, made in a comfortable octagon shape with distinctive P & C Blue grips.

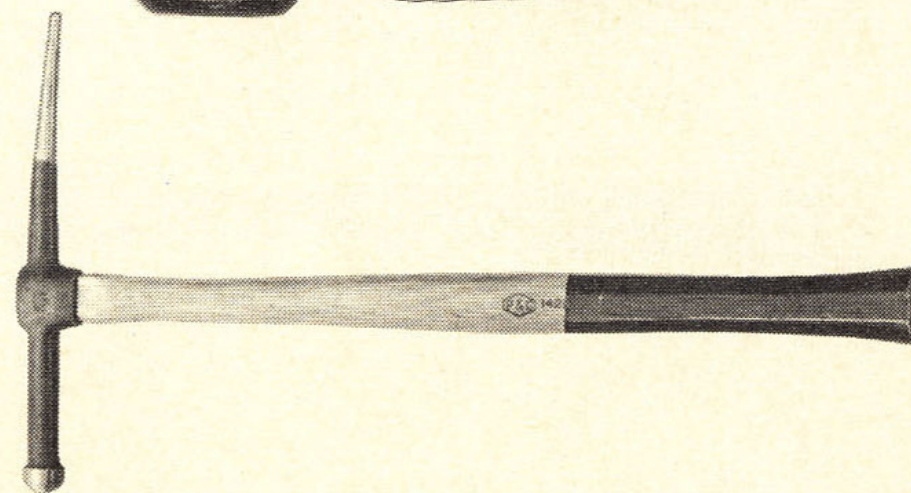
Special analysis alloy steel is used for P & C Dolly Blocks. Their highly polished surfaces are ground and finished to stand up under long, hard use.



## P & C HAMMERS

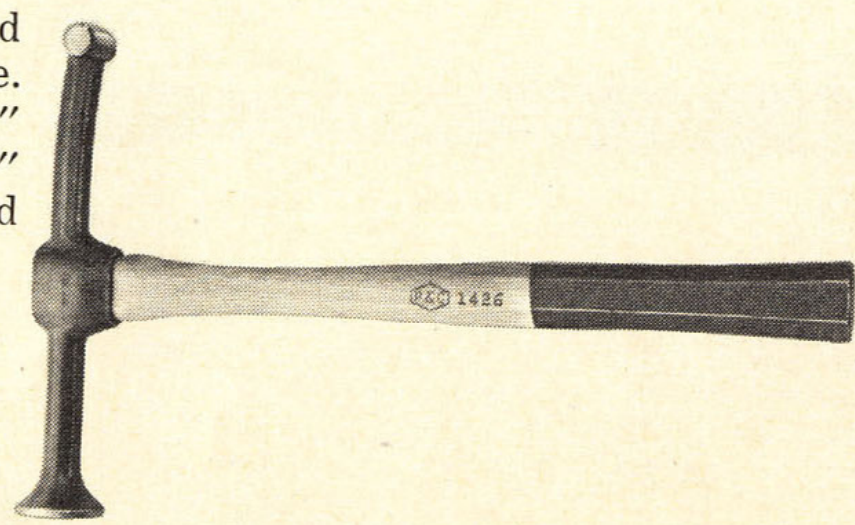
**LONG PECKING HAMMER** Long handle reaches to center of turret tops, eliminates uncomfortable reaching under high crowned surfaces. Gives 4 1/2" clearance on long picking end and 3" clearance to the round ball pein face.

- No. 1429 Length of head 9" Wt. .88 lb.  
Length of hammer 17"
- 1429H Handle only 17 3/8" long Wt. .3 lbs.  
3/8"x11/16" eye



**LONG BODY FINISHING HAMMER** For crowned fenders and other places that require head clearance. 1 3/8" diam. round face is slightly crowned, has 3 1/2" clearance. Other face is 1 1/8" diam. cross pein with 4" clearance. Use to finish and reshape troughs and lipped or obstructed surfaces.

- No. 1426 Length of head 7 1/2" Wt. 1.03 lbs.  
Length of hammer 12 1/2"
- 1426H Handle only 13" long Wt. .22 lbs.  
13/32"x13/16" eye



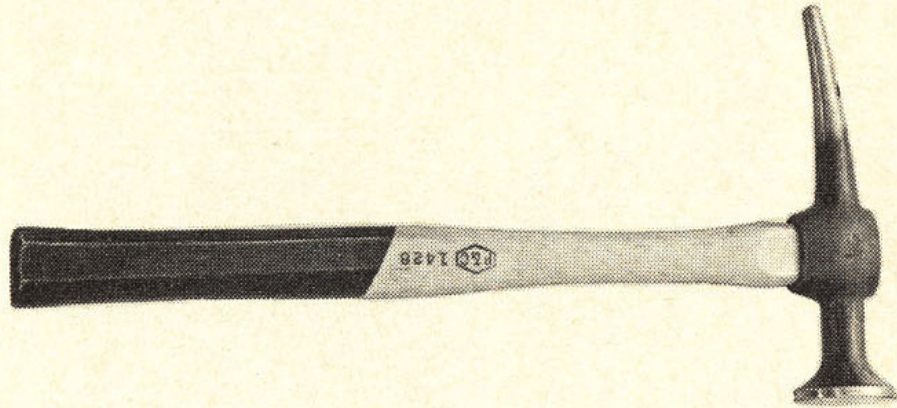
**FINISHING HAMMER** Use the 1" wedge cross pein to caulk fender heads, drip mouldings, corners, and on all reverse curves. Has 2½" clearance. The 1⅜" diam. face is crowned and has 2" clearance.



No. 1427 Length of head 4½" Wt. .50 lbs.  
Length of hammer 12¾"

1427H Handle only 13⅛" long Wt. .18 lbs.  
11/32"x11/16" eye

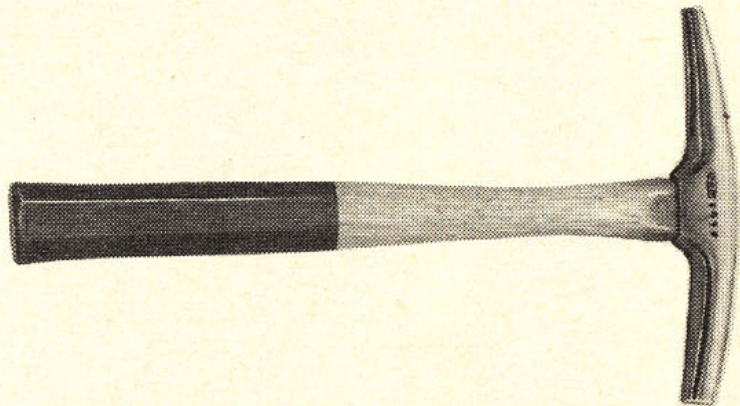
**SHORT PECKING HAMMER** The 3" pointed end picks out small dents, low spots; forms ridges. Finishing face is 1½" diam.



No. 1428 Length of head 5⅞" Wt. .86 lbs.  
Length of hammer 12¾"

1428H Handle only 13" long Wt. .22 lbs.  
13/32"x13/16" eye

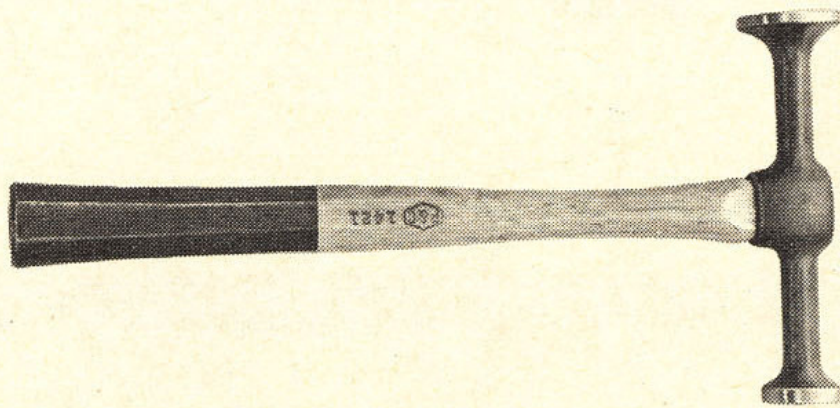
**MAGNETIC TRIM HAMMER** For trim and upholstery work. Magnetized head curves in the arc of a natural swing.



No. 1419 Length of head 5½" Wt. .44 lbs.  
Length of hammer 12¾"

1419H Handle only 13⅛" long Wt. .18 lbs.  
11/32"x11/16" eye

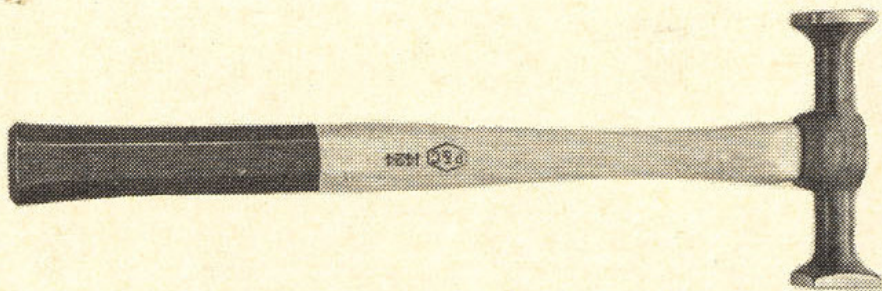
**DINGING HAMMER** Has large head for bumping and dinging bad dents into shape for finishing. 1¼" and 1⅝" diam. faces are slightly crowned.



No. 1421 Length of head 6½" Wt. 1.25 lbs.  
Length of hammer 12½"

1421H Handle only 13" long Wt. .22 lbs.  
13/32"x13/16" eye

**FINISHING HAMMERS** Light, well balanced for smooth finishing. 1¼" diam. round face has slight crown. Shrinking face is 1/16" square.



No. 1424 Length of head 4" Wt. .64 lbs.  
Length of hammer 12¾"

1424H Handle only 13⅛" long Wt. .18 lbs.  
11/32"x11/16" eye

Heavier than No. 1424 for finishing heavier gauge metal. Faces 1½" diam. and 1⅛" square.

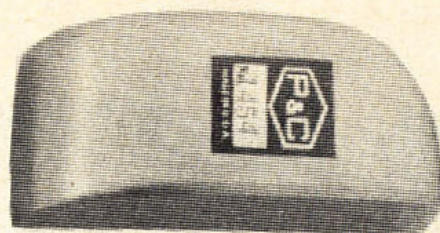
No. 1425 Length of head 4¼" Wt. .90 lbs.  
Length of hammer 12½"

1425H Handle only 13" long Wt. .22 lbs.  
13/32"x13/16"

**P&C DOLLY BLOCKS**

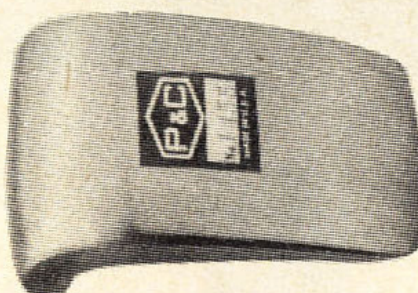
**RADIUS DOLLY** To ding flat surfaces. The bottom and one side are flat, form a right angle. Other faces provide many useful radii. Both ends are highly crowned.

No. 1454 1 3/32" x 2 3/16" x 4 1/2" Wt. 2.9 lbs.



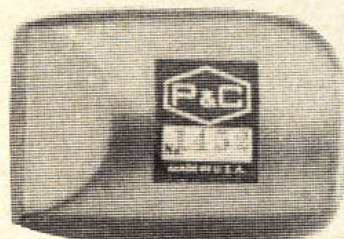
**NEW BEAD DOLLY** Combines spoon and dolly for work on roof rails, behind door and body posts. Use sharp tapered wedge to drive out roof rails behind brackets, and under fender braces. Long thin lip works in behind reinforcements and on corners and beading.

No. 1455 1 7/8" x 2 29/32" x 4 7/16" Wt. 2.4 lbs.



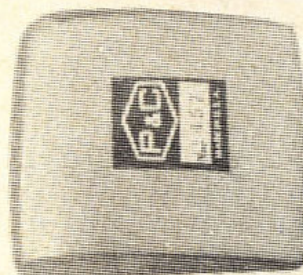
**EGG-SHAPED DOLLY** This useful and popular shape has many different curves and angles.

No. 1452 1 5/8" x 2 1/2" x 3 3/4" Wt. 3.1 lbs.



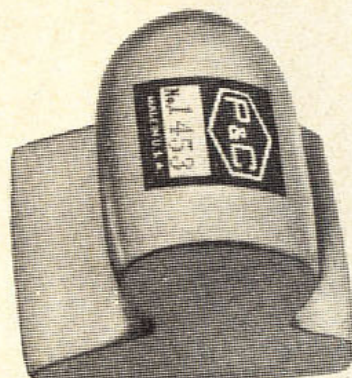
**SHRINKING DOLLY** Usual shape and low crown. Ideal for shrinking body metal and to raise beads and moulding.

No. 1457 1 1/4" x 3 1/16" x 3 5/16" Wt. 2.2 lbs.



**RAILROAD OR GENERAL PURPOSE DOLLY** One of the most versatile blocks ever made. Hand and working surfaces are far apart to give protection when working with hot lead. Top surface is used for bumping or roughing out, bottom to work panels and fender skirts. Two flanging and beading lips and several differently crowned working faces fit contours of all bodies, fenders and doors. Has eight moulding and bead working surfaces and 7 1/2 square inches on the largest face.

No. 1453 2 3/8" x 2 3/4" x 2 3/32" Wt. 2.9 lbs.



**SEMI-ELLIPTICAL HEEL DOLLY** Has two flat working surfaces and two that are crowned. Can be used in corners and on wide radii; suitable for shrinking metal. Handy to use in close quarters.

No. 1458 1 3/16" x 2 3/8" x 3 1/4" Wt. 2.2 lbs.



**P&C FILE AND HOLDER**

**DOUBLE-FACED FLEXIBLE STRAIGHT FILE**

Curved teeth cut fast on all body, fender and sheet metal work. Shaped teeth eliminate chips and prevent loading. Identical teeth on both sides double its service and life. When used with No. 1509 Adjustable File Holder, it works in concave (hollow) surfaces, on convex (rounded) areas, or as a straight flat file.

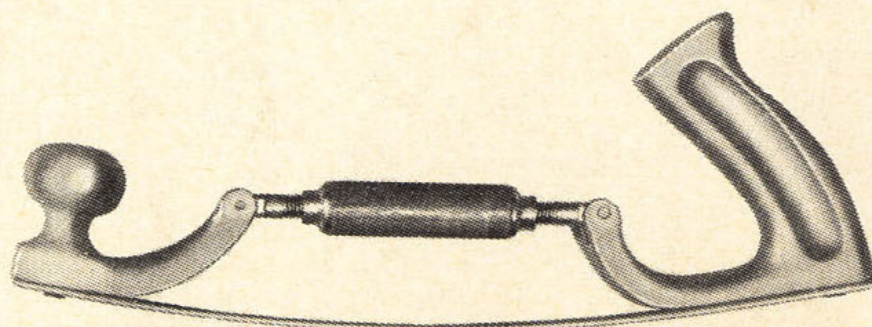
No. 1501 Length 14" Width 1 3/8" Wt. .7 lbs.

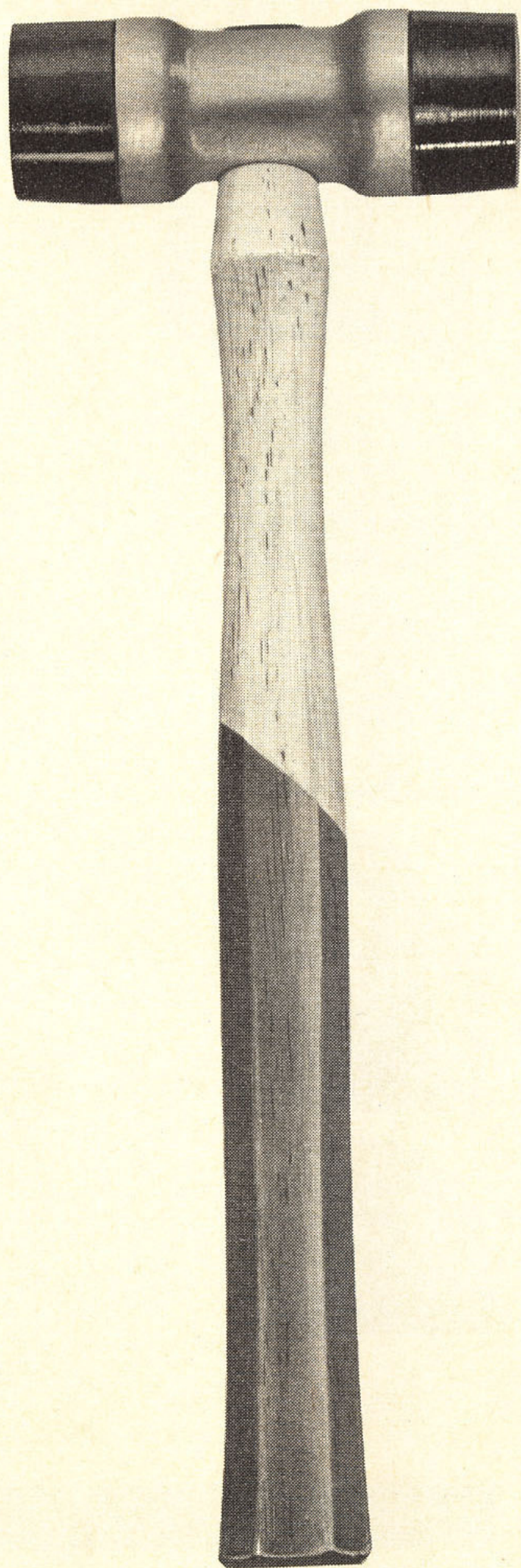


**ADJUSTABLE FILE HOLDER**

Made of aluminum for light weight with ample strength. One simple adjustment makes file flat, concave or convex. Bolt which attaches file at heel of holder should be loosened before flexing.

No. 1509 Length 16" Wt. 1.86 lbs.





## P&C NUPLAFLEX HAMMERS

Nuplaflex is a plastic material that is proving far more satisfactory than rawhide, brass, lead and other types of plastics. It regains original shape when bent, dented or cut; will not flake under hard blows and outlasts other types; will not explode and is approved by Underwriters Laboratories, will not burn unless held in a flame; resists oil and grease; has a minimum of rebound, reducing fatigue and speeding work, and absorbs stinging vibrations. Faces and heads of P&C Nuplaflex hammers will not strike sparks.

Hammers are available with either soft or tough faces, and medium-grade replacement tips are provided. Automatic locking device anchors tips securely to head, also permits them to be detached easily.

### NUPLAFLEX HAMMERS WITH TOUGH TIPS

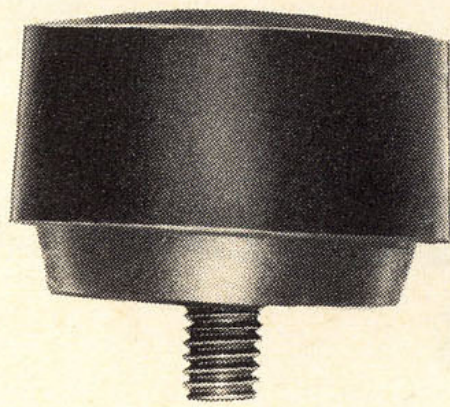
P&C No.	Mfr. No.	Head Dia.	Head Length	Handle Length	Wt. lbs.
1388	100	1"	3½"	11⅜"	.31
1389	105	1"	3½"	11⅜"	.50
1390	150	1½"	4⅜"	13"	.75
1391	155	1½"	4⅜"	13"	1.00
1392	200	2"	4½"	14"	1.25
1393	205	2"	4½"	14"	2.0
1394	250	2½"	5¼"	15"	2.0
1395	255	2½"	5¼"	18"	3.5
1396	300	3"	6¼"	18"	3.0
1397	305	3"	6¼"	21"	5.0

### NUPLAFLEX HAMMERS WITH SOFT TIPS

1398	150	1½"	4⅜"	13"	.75
1399	200	2"	4½"	14"	1.25

**NUPLAFLEX REPLACEMENT TIPS ONLY**

—Tough—		—Medium—		— Soft —		Head Dia.	Wt. lbs.
P&C No.	Mfr. No.	P&C No.	Mfr. No.	P&C No.	Mfr. No.		
1388T	10T	1388M	10M	1388S	10S	1"	.04
1390T	15T	1390M	15M	1390S	15S	1½"	.10
1392T	20T	1392M	20M	1392S	20S	2"	.23
1394T	25T	1394M	25M	1394S	25S	2½"	.39
1396T	30T	1396M	30M	1396S	30S	3"	.60



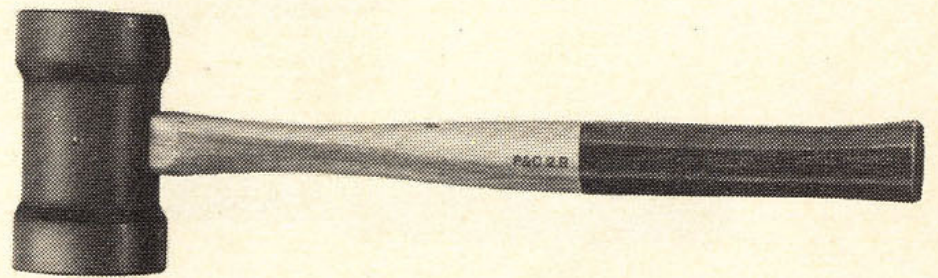
**HAMMER HANDLES** Only tough, straight-grained, second-growth hickory is used. Lengths in ideal proportion to weight of hammer heads. Handles are octagon shaped for a sure grip and hand-holds are finished in distinctive P&C blue.

No.	For Hammers	Eye Size	Length	Wt. lbs.
1388H	1388 & 1389	11/32"x9/16"	11¾"	.14
1390H	1390, 1391 & 1398	1/2"x3/4"	13"	.22
1392H	1392, 1393 & 1399	1/2"x3/4"	14"	.28
1394H	1394	3/4"x1¼"	15"	.41
1396H	1395, 1396 & 1397	3/4"x1½"	18"	.64

**SOFT FACED HAMMERS**

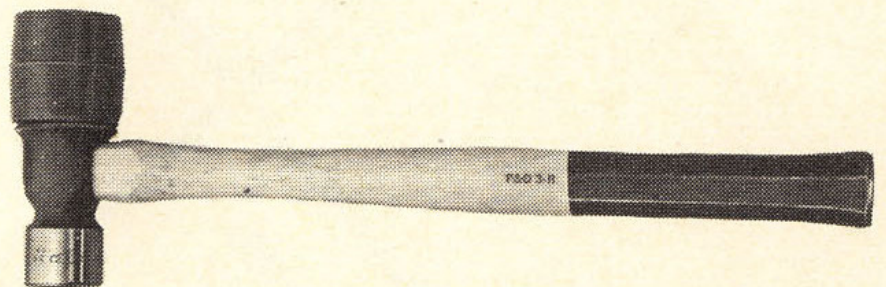
**RUBBER MALLET** A necessity in every shop where work is done on surfaces that would be marred by metal hammers. The Neoprene head is oil-resistant, tough, non-flaking and long lasting.

No. 2-R Length 15" Wt. 1.46 lbs.  
Head 2½"x4½"



**STEEL AND RUBBER MALLET** Ideal for mounting tires and drawing rivets through sheet metal, since it provides weight without bulk.

No. 3-R Length 17" Wt. 2.6 lbs.



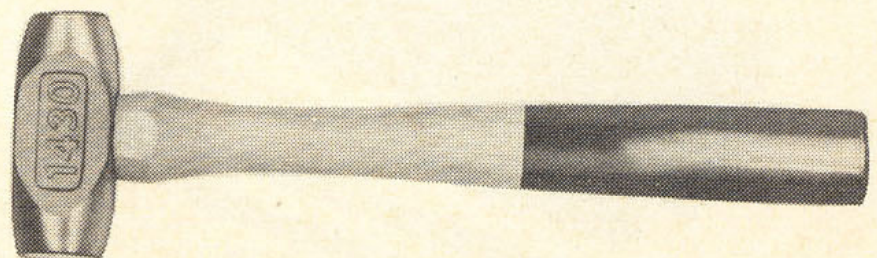
**RUBBER HEAD FOR 3-R STEEL AND RUBBER MALLET**

Easily pressed on in vise. Use shellac or rubber cement adhesive.

No. 3-RB Wt. .28 lbs.

**HANDLE FOR 3-R STEEL AND RUBBER MALLET**

No. 3-RH Length 17¾" Wt. .48 lbs.  
(5/8"x1" eye)



**BRASS HAMMER** A fine soft faced hammer, it has perfect balance between handle length and weight. Many uses.

No. 1430 Brass Hammer Wt. 1.75 lbs.

## SERVICE STATION TOOLS



**GREASE PINCH BAR** Frozen shackles are easily broken free for lubrication. Wrench opening forged at 25° angle to octagon handle provides knuckle clearance. Deeply forged teeth in the wrench jaws prevent slipping. Heat treated special alloy steel.

No. 202 Length 28" Wt. 3.4 lbs.



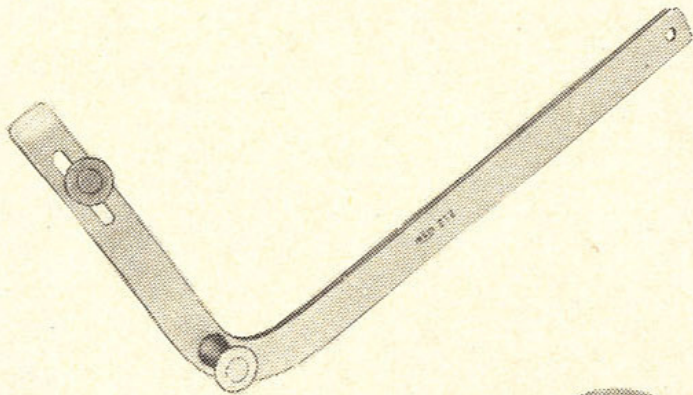
**RIM AND TIRE TOOLS** Unlocks or locks split rims handily. Doubles as tire iron. Properly balanced for efficient use. Tempered, special analysis alloy steel.

No.	Length	Wt. lbs.
205	15" long, with offset pointed end	1.5
206	20½" long, with round recess on top and long recess on bottom to engage corners of rim ends.	2.0



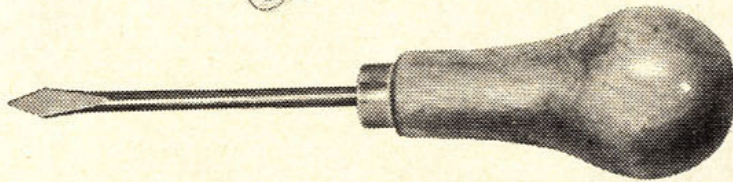
**BROAD TIRE IRONS** Paddle shaped blade lifts larger area of tire from rim. Thin blade gives best balance with light weight. Usually purchased in pairs; curved pattern used with straight. Hot forged alloy steel with dipped satin finish.

No.	Length	Wt. lbs.
207	Straight blade	2
208	Curved blade	2



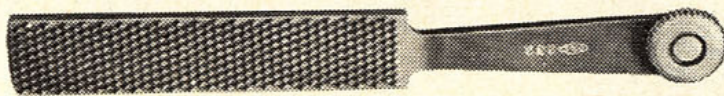
**ADJUSTABLE TIRE SPREADER** Grooves on the easy turning rollers prevent slipping. Handle forged at 96° angle for clearance. All corners rounded for comfortable grip. Dipped satin finish. Adjusts quickly to tires from 5½" to 7¾".

No. 212 Length 18½" Wt. 2.68 lbs.



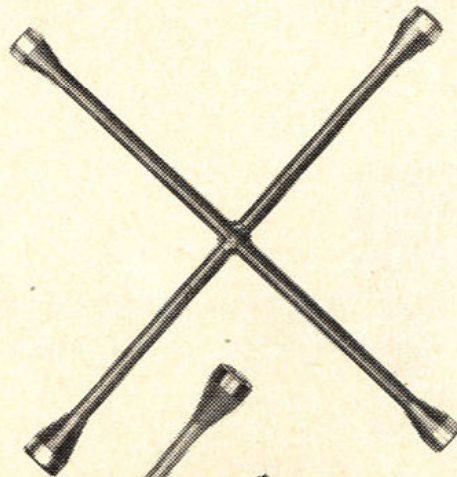
**TIRE PRODDING AWL** Tapered blade spreads rubber while blunt point removes imbedded particles without danger of damaging tube. Wooden handle shaped to fit palm comfortably. Lacquered finish.

No. 230 Length 7¼" Wt. .1 lbs.



**TUBE PATCHING BUFFER AND RASP** Rasp to roughen surface of tube before patching combined with knurled wheel to press down edges of patch. Rasp teeth are deeply cut for long life.

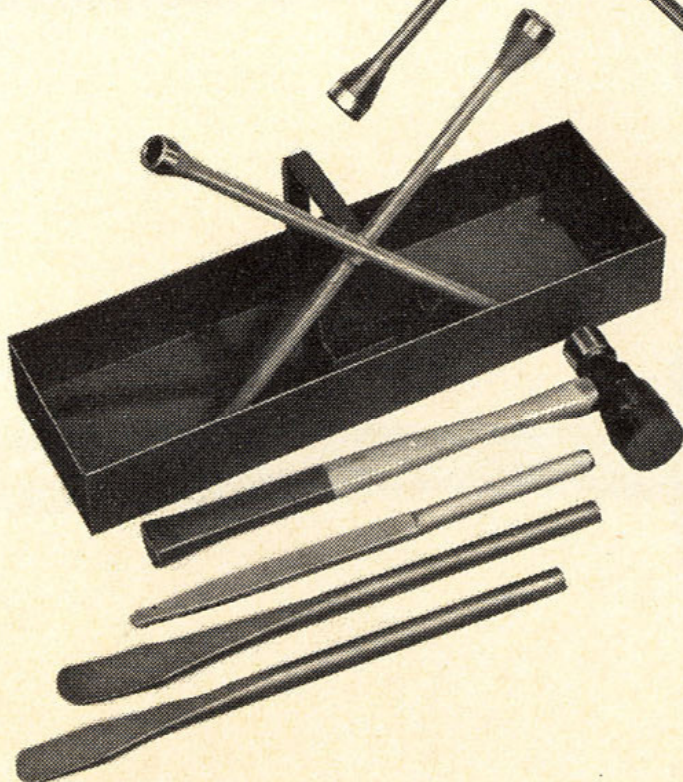
No. 232 Length 8" Wt. .3 lbs.



**FOUR WAY LUG WRENCHES** Forged from alloy steel and induction welded for greatest strength and durability. Hex openings of 5/8", 3/4", 13/16", and 7/8" fit lug nuts of practically all cars and trucks. P&C Blue finish, polished sockets. Two sizes to clear wide fenders.

No. 1175 4-Way Lug Wrench Length 18" Wt. 3 lbs.

1176 4-Way Lug Wrench Length 21½" 3.2



**TIRE TOOL TRAY** Holds tools needed to change a tire in one compact unit. Heavy gauge metal, well balanced for convenient carrying. Compartments hold tools listed below, small tray holds valve parts and valve wrench. 21" long, 6½" wide, 7" high.

No.	Tool	No.	Tool
205	15" Rim tool.	208	18" Tire iron.
207	18" Tire Iron.	1175	18" Lug wrench.
3-R	Steel and rubber mallet.		

No. 30-S Tire Tool Tray With Tools. Wt. 18 lbs.

## Heavy Duty Open End STRUCTURAL WRENCHES

Full bearing on square nuts provided by deep, narrow jaws which work in cramped spots. Smooth, tapered handle makes handy bar to align bolt holes. Fits belt-loop or scabbard for ready use. Offset handle to clear adjoining bolts and protect operator's hands.

P & C Structural Wrenches are hot forged from special analysis alloy steel, scientifically heat treated for greatest strength and longest wear. They are perfectly balanced and comply with all Government specifications on structural wrenches.

Wrench heads plainly stamped with tool number and opening size. Sandblasted satin finish clear lacquer coated to resist rust.

No.	Opening Size	Length	Wt. lbs.
914	7/16"	9 <sup>5</sup> / <sub>16</sub> "	.5
918	9/16"	9 <sup>1</sup> / <sub>2</sub> "	.5
920	5/8"	10"	.8
922	11/16"	11"	.8
924	3/4"	11"	.8
926	13/16"	12 <sup>1</sup> / <sub>8</sub> "	.9
928	7/8"	12 <sup>1</sup> / <sub>8</sub> "	.9
932	1"	13"	1.3
934	1 <sup>1</sup> / <sub>16</sub> "	14"	1.5
936	1 <sup>1</sup> / <sub>8</sub> "	14"	1.5
940	1 <sup>1</sup> / <sub>4</sub> "	16"	2.5
942	1 <sup>5</sup> / <sub>16</sub> "	16"	2.5
946	1 <sup>7</sup> / <sub>16</sub> "	18"	3.8
948	1 <sup>1</sup> / <sub>2</sub> "	18"	3.8
952	1 <sup>5</sup> / <sub>8</sub> "	20"	5.8

## Heavy Duty 12 point Box SPUD-END WRENCHES

Oil tempered special alloy steel, offset handle design and sturdy construction make this P & C Wrench a "must" for oil fields, riggers, heavy equipment and structural steel work. Engineered for safety and speed; tapered handle offset for clearance to protect user's hands; fits scabbard or belt-loop for ready use; perfect for aligning bolt or rivet holes. Openings hot forged for accurate, positive fit, will not slip, spread or chip. Sandblasted satin finish resists rust.

(See Page 46 for Tool Listing)



**SPUD-END WRENCHES**

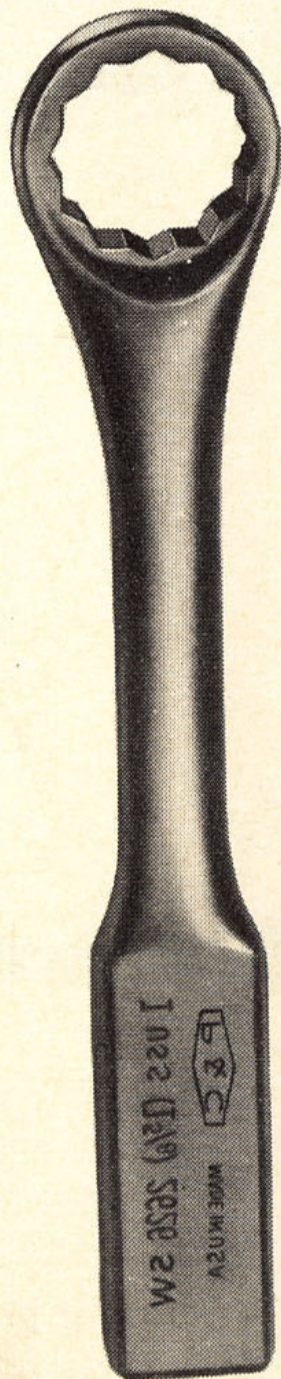
(Continued from Page 45)

No.	Opening Size	Length	Wt. lbs.
2615	15/16"	14 1/2"	.82
2617	1 1/16"	15 5/8"	1.30
2618	1 1/8"	16 3/4"	1.80
2620	1 1/4"	17 7/8"	2.3
2623	1 7/16"	19"	3.1
2624	1 1/2"	20 1/8"	3.3
2626	1 5/8"	21 1/4"	3.6
2627	1 11/16"	22 1/4"	3.8
2629	1 13/16"	23 1/4"	5.3
2630	1 7/8"	24 1/4"	5.6
2632	2"	25 1/4"	5.8
2635	2 3/16"	26"	7.0
2638	2 3/8"	27"	7.0
2641	2 9/16"	28"	8.7
2644	2 3/4"	29"	8.2
2647	2 15/16"	29 3/4"	12
2650	3 1/8"	30"	11

Military Specs.: MIL-W-15751A, Type XB.

**Heavy Duty 12 point Box****STRIKING WRENCHES**

Square striking shank will not chip or flare; provides ample target for sledge or hammer; offset for clearance. Special alloy steel and sturdy design combine to turn the tough ones. Engineered for maximum strength and minimum weight. Oil tempered teeth will not slip or chip. Sandblasted satin finish resists rust. An essential tool around large equipment, heavy machinery, or structural steel.



No.	Opening Size	Length	Wt. lbs.
2617SW	1 1/16"	8 1/2"	1.7
2618SW	1 1/8"	8 1/2"	1.6
2620SW	1 1/4"	10 3/4"	3.2
2621SW	1 5/16"	10 3/4"	3.0
2623SW	1 7/16"	12"	4.7
2624SW	1 1/2"	12"	4.4
2626SW	1 5/8"	12 1/4"	4.6
2627SW	1 11/16"	12 1/4"	4.5
2629SW	1 13/16"	13 7/16"	6.6
2630SW	1 7/8"	13 7/16"	6.8
2632SW	2"	13 7/16"	6.6
2635SW	2 3/16"	13 7/8"	8.2
2638SW	2 3/8"	13 7/8"	7.8
2641SW	2 9/16"	13 7/8"	8.7
2644SW	2 3/4"	13 7/8"	8.2
2647SW	2 15/16"	16"	13
2650SW	3 1/8"	16"	12

Military Specs.: MIL-W-15751A, Type XIV.



# TOOLMOBILE® MOBILE TOOL CABINET

Constructed of heavy gauge welded steel, it's strongly reinforced with extra heavy channels across bottom. Shelf in middle adds rigidity. Three drawer sizes available, all interchangeable. Drawer divider set fits slots making various compartment sizes.

Drawers move easily on four rollers, stay closed when unit is moving. Entire cabinet closed by single-lock front which folds and slides under top when open. Unit moves easily on 5" rubber casters, two with foot-operated brakes. Unit available with gooseneck light, two outlets, 8' cord. Handsome blue wrinkle finish.

Toolmobile cabinet comes with lock, 2 keys, shallow drawer, medium drawer, 4 drawer runners, one drawer divider set, 4 casters and 2 handles.

No. 9968 As listed above Wt. 112 lbs.

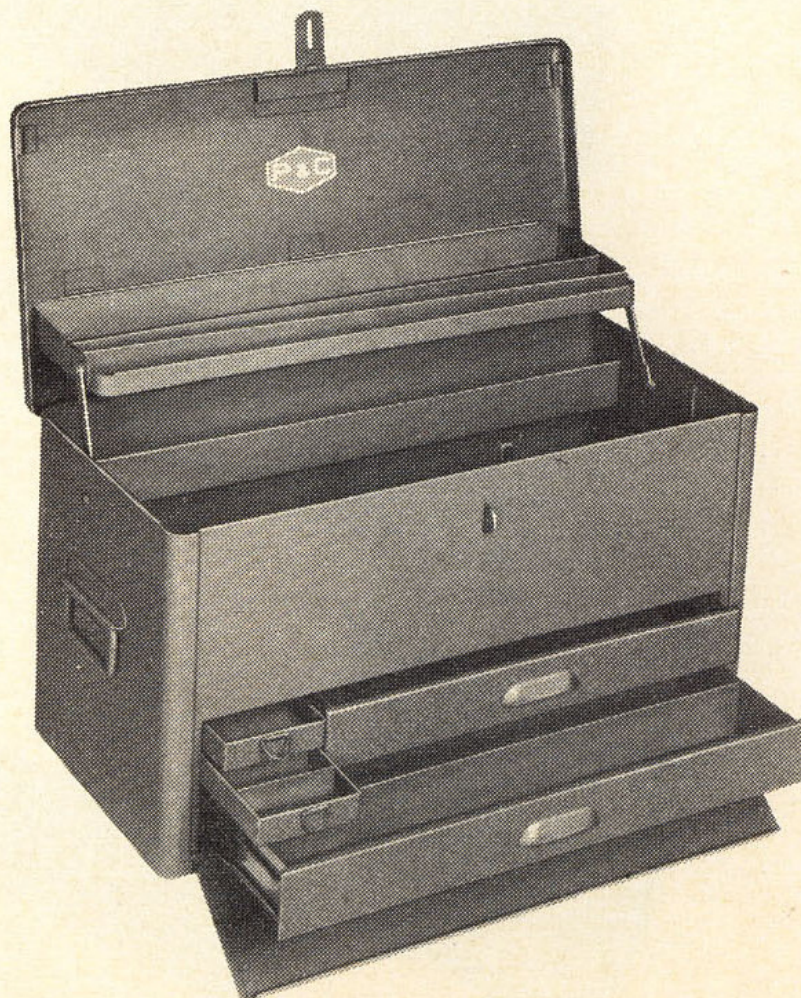
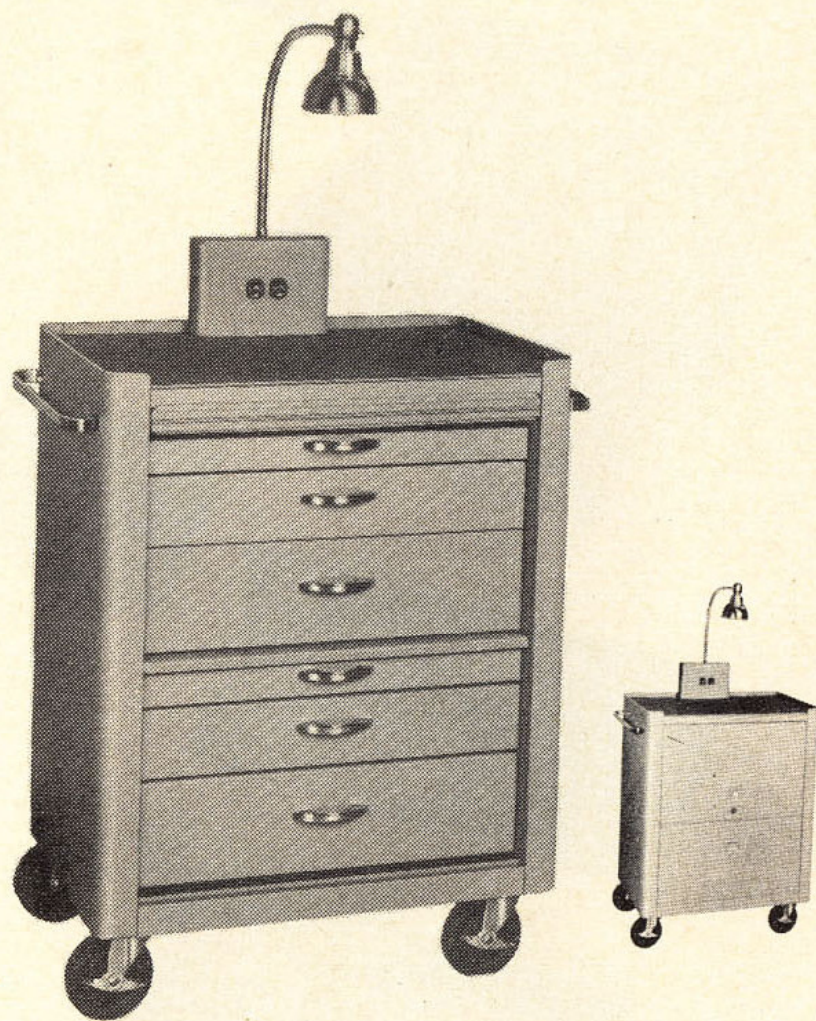
Additional drawers and light assembly are available as listed below, and as illustrated.

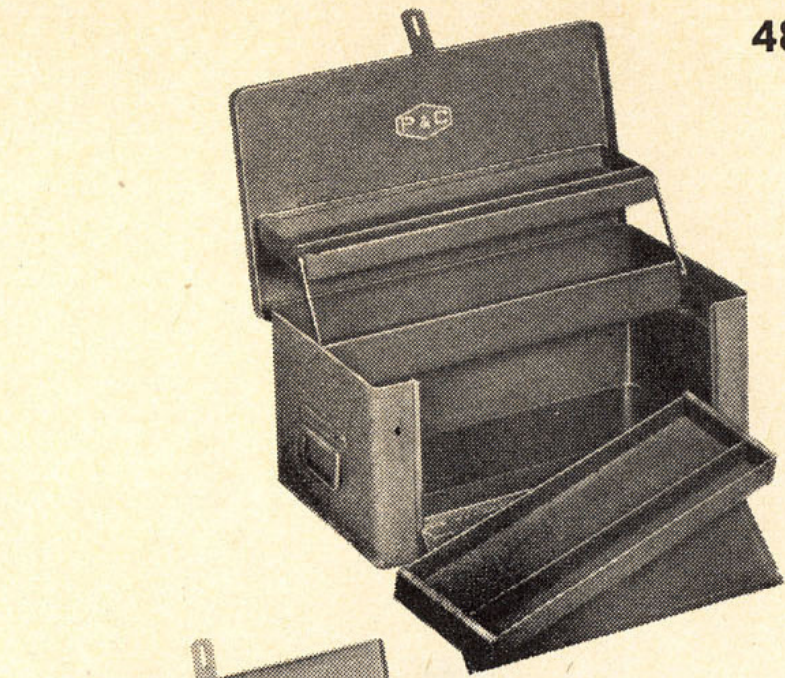
No.	Description	Wt. lbs.
9968-1	1½" Shallow Drawer	8.
9968-2	3½" Medium Drawer	9.8
9968-3	5½" Deep Drawer	12.
9968-4	Drawer Divider Set	.9
9968-5	Complete Light Assembly	4.4

**DELUXE MASTER TOOL CHEST** Smooth, rounded corners, correct proportions, deluxe design and construction make this tool chest the type of equipment any mechanic can be proud to own.

Tray in top swings up with lid, is partitioned to keep small tools arranged in order. Drawers pull out with finger pressure. Deep compartment gives plenty of room for dozens of tools. One padlock secures everything. Attractive blue wrinkle finish.

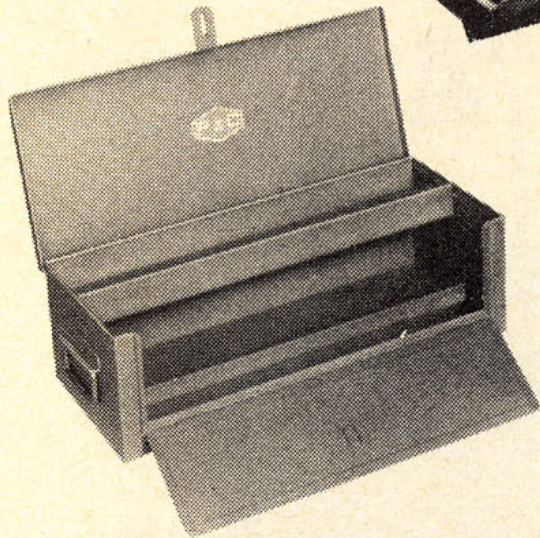
No. 9990 Dimensions 13½"x11½"x24½". Wt. 37 lbs.





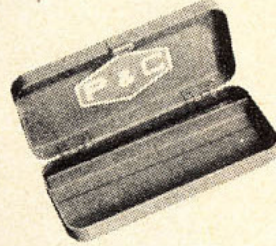
**MASTER TOOL CHEST** Hinged tray swings up with lid. Removable tray and drop front make it easy to reach tools. Trays and bottom compartment provide plenty of room, are partitioned for sockets or small tools. Heavy padlock hasp; convenient handles on each end; handsome blue wrinkle finish.

No. 9989	Wt. 20 lbs.
Outside dimensions	9"x11½"x20½"
Hinged Tray	1¼"x5½"x19"
Front Tray	1½"x5½"x19"
Fixed Tray in Top	2½"x4¾"x20"
Bottom Compartment	6"x11"x20"



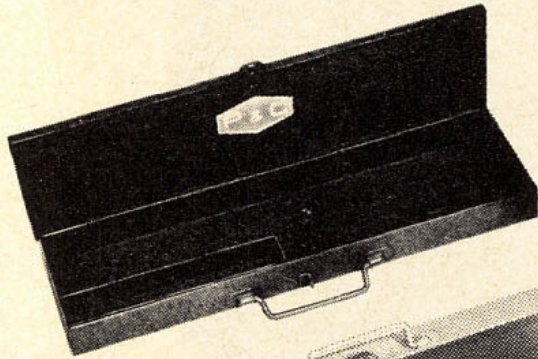
**UTILITY TOOL CHEST** Drop front and socket tray at top make it easy to find tools. Handles at each end make chest easy to carry. Padlock hasp on cover.

No. 9980 Dimensions: 6½"x9"x22¼". Wt. 11 lbs.



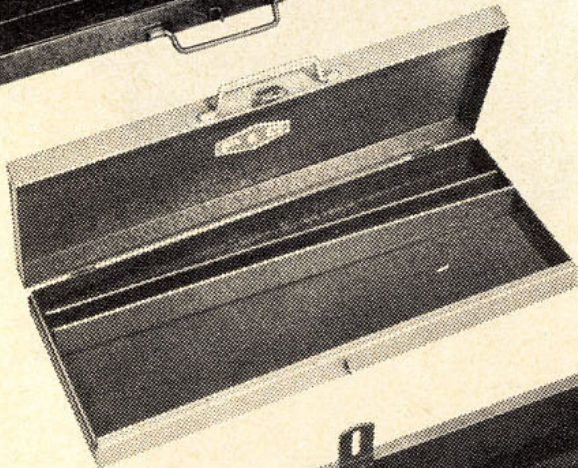
**MIDGET TOOL BOX** Pocket size, to keep 1/4" drive sockets and attachments, and other smaller tools in order.

No. 4795 Dimensions: 1"x2¼"x6¾". Wt. .52 lbs.



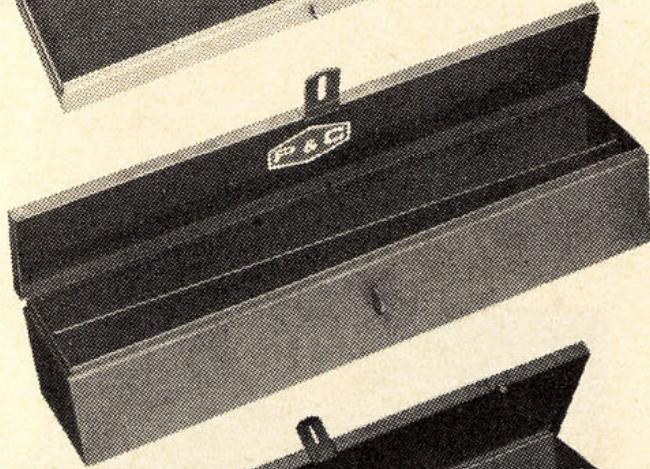
**JUNIOR TOOL BOX** Easily carried, makes convenient trouble shooter's kit. Holds 3/8" drive sockets and attachments, and other essential tools.

No. 5295 Dimensions: 1½"x5¼"x18½". Wt. 2.4 lbs.



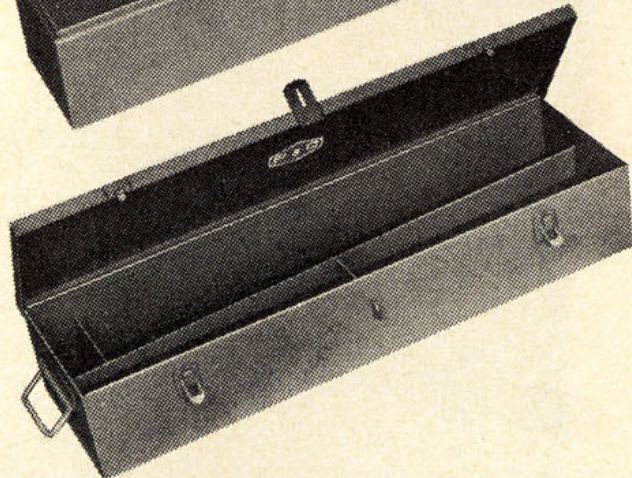
**STANDARD TOOL BOX** Ample room for 1/2" drive standard sockets and attachments. Two socket compartments full length of box. Small compartment for extra sockets, cotter keys and other parts. Hinged padlock hasp and folding handle on cover.

No. 5495 Dimensions: 1¾"x8¼"x19½". Wt. 4.1 lbs.



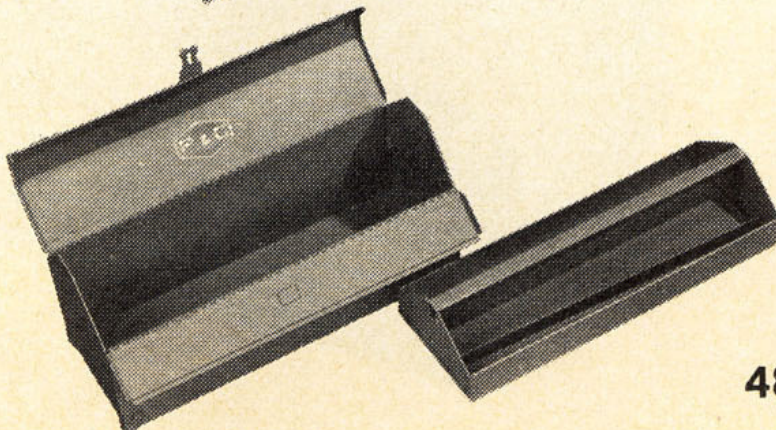
**HEAVY DUTY TOOL BOX** Stores 9300-NR ¾" drive set or equivalent, with ease. Sturdy, can be fastened to truck or tractor. Has padlock hasp and folding handle.

No. 5695 Dimensions: 4"x4"x21". Wt. 8.2 lbs.



**EXTRA HEAVY DUTY TOOL BOX** Big enough and strong enough for complete P&C ¾" or 1" drive socket sets and attachments. Welded, riveted and strongly reinforced. Handles at ends make carrying easy.

No. 5894 Dimensions: 5"x8¼"x30". Wt. 21 lbs.



**HIP ROOF TOOL BOXES** Versatile, roomy, adapted to any mechanic's needs. Convenient tote tray lifts out. Cover has sturdy, full length hinges, two spring clasps, padlock hasp and folding handle.

No. 9970 Dimensions: 5¼"x6"x20". Wt. 6.7 lbs.  
9971 8¾"x7"x19". Wt. 9.3 lbs.

# Standard Bolt, Nut and Screw Sizes corresponding to Sizes of P&C Wrenches and Sockets

## HOW TO USE THIS CHART

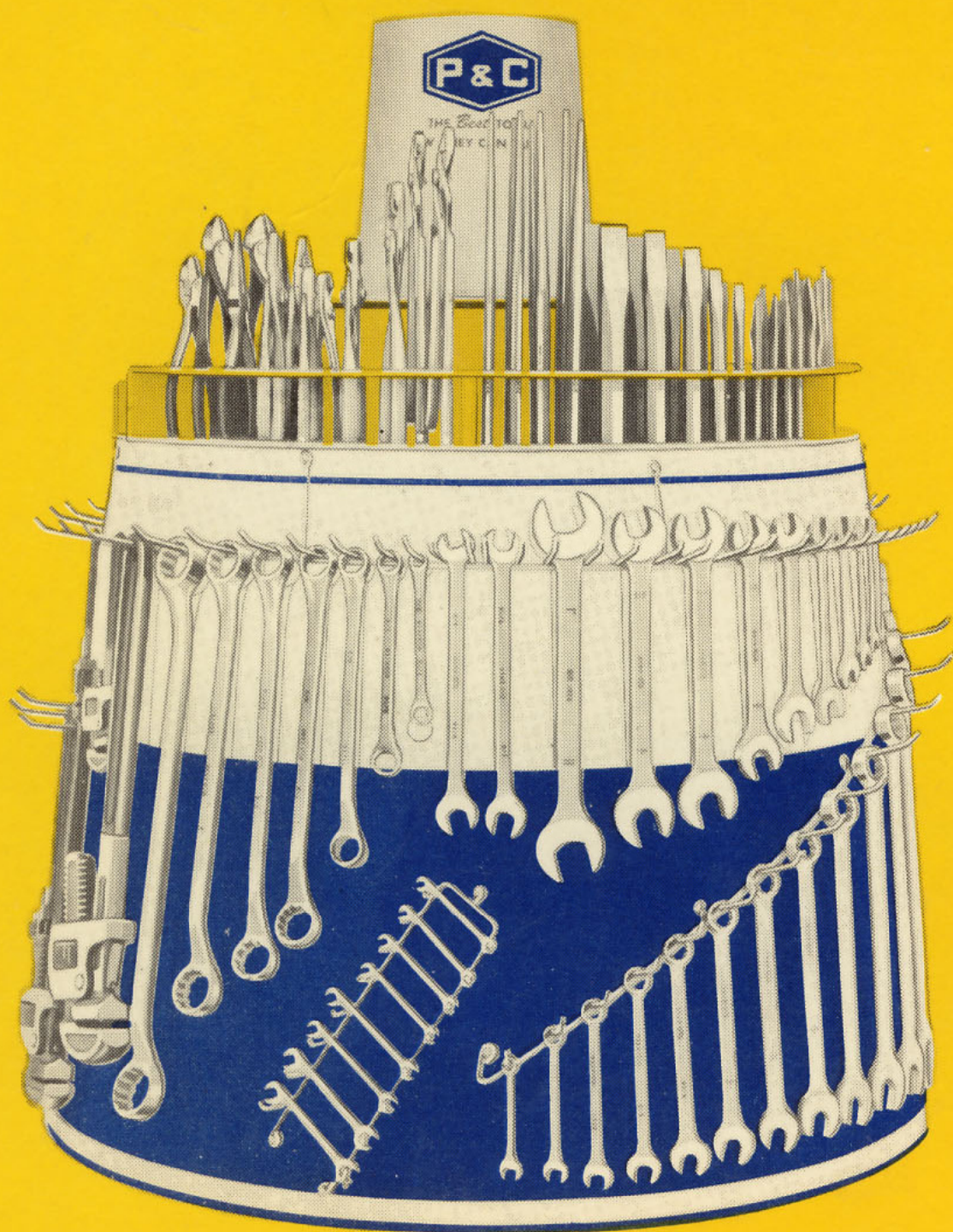
To use this chart, locate thread diameter of bolt, nut or screw in extreme left column. Then move across to box which has proper identification of bolt, nut or screw at top of vertical column. The size in this particular box is the nominal opening size in inches of the P&C wrenches and sockets that will fit.

THREAD DIAMETER OF BOLT, NUT OR SCREW	AMERICAN STANDARD SERIES									
	HEAVY		REGULAR		LIGHT		HEX. FULL FINISHED CAP SCREW HEADS	SQ. & HEX. MACHINE SCREW NUTS & SQ. STOVE BOLT NUTS	SQ. SET SCREW HEADS	SQ. LAG BOLT HEADS
	SQ. & HEX. BOLT HEADS	SQ. NUTS & HEX. NUTS, JAM NUTS & SLOTTED NUTS USS NUTS	SQ. & HEX. BOLT HEADS (MACH. BOLT HEADS)	SQ. NUTS & HEX. NUTS, JAM NUTS & SLOTTED NUTS	HEX. NUTS, JAM NUTS, SLOTTED NUTS & CASTLE NUTS NAT. FINE (SAE THR.)					
#0 & 1	.....	.....	.....	.....	.....	.....	.....	5/32	.....	.....
#2 & 3	.....	.....	.....	.....	.....	.....	.....	3/16	.....	.....
#4	.....	.....	.....	.....	.....	.....	.....	1/4	.....	.....
#5 & 6	.....	.....	.....	.....	.....	.....	.....	5/16	.....	.....
#8	.....	.....	.....	.....	.....	.....	.....	11/32	.....	.....
#10	.....	.....	.....	.....	.....	.....	.....	3/8	.....	5/16
#12	.....	.....	.....	.....	.....	.....	.....	7/16	.....	.....
1/4"	.....	1/2	3/8	7/16	7/16	7/16	7/16	7/16	1/4	3/8
5/16"	.....	19/32	1/2	9/16	1/2	1/2	9/16	9/16	5/16	1/2
3/8"	.....	11/16	9/16	5/8	9/16	9/16	5/8	5/8	3/8	9/16
7/16"	.....	25/32	5/8	3/4	5/8	5/8	.....	7/16	5/8	.....
1/2"	7/8	7/8	3/4	13/16	3/4	3/4	.....	1/2	3/4	.....
9/16"	15/16	15/16*	7/8	7/8	7/8	13/16	.....	9/16	7/8	.....
5/8"	1 1/16	1 1/16	15/16	1	15/16	7/8	.....	5/8	15/16	.....
3/4"	1 1/4	1 1/4	1 1/8	1 1/8	1 1/16	1	.....	3/4	1 1/8	.....
7/8"	1 7/16	1 7/16	1 5/16	1 5/16	1 1/4	1 1/8	.....	7/8	1 5/16	.....
1"	1 5/8	1 5/8	1 1/2	1 1/2	1 7/16	1 5/16	.....	1	1 1/2	.....
1 1/8"	1 13/16	1 13/16	1 11/16	1 11/16	1 5/8	1 1/2	.....	1 1/8	1 11/16	.....
1 1/4"	2	2	1 7/8	1 7/8	1 13/16	1 11/16	.....	1 1/4	1 7/8	.....
1 3/8"	2 3/16	2 3/16	2 1/16	2 1/16	2	.....	.....	1 3/8	.....	.....
1 1/2"	2 3/8	2 3/8	2 1/4	2 1/4	2 3/16	.....	.....	1 1/2	.....	.....
1 5/8"	2 9/16	2 9/16	2 7/16	2 7/16	.....	.....	.....	.....	.....	.....
1 3/4"	2 3/4	2 3/4	2 5/8	2 5/8	.....	.....	.....	.....	.....	.....
1 7/8"	2 15/16	2 15/16	2 13/16	2 13/16	.....	.....	.....	.....	.....	.....
2"	3 1/8	3 1/8	3	3	.....	.....	.....	.....	.....	.....
2 1/4"	3 1/2	3 1/2	3 3/8	3 3/8	.....	.....	.....	.....	.....	.....
2 1/2"	3 7/8	3 7/8	3 3/4	3 3/4	.....	.....	.....	.....	.....	.....
2 3/4"	4 1/4	4 1/4	4 1/8	4 1/8	.....	.....	.....	.....	.....	.....
3"	4 5/8	4 5/8	4 1/2	4 1/2	.....	.....	.....	.....	.....	.....



4- and 8-Point Sockets are used on Square Bolt Heads, Nuts and Screw Heads. 6- and 12-Point Sockets are used on Hexagon Bolt Heads, Nuts and Screw Heads.

\*Does not apply to USS Nuts.



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