



 Chicago
Pneumatic

Construction Air Tools





In 2001, Chicago Pneumatic Tool Company celebrates 100 years as a pioneer and market leader in the pneumatic tool industry. When the company incorporated a century ago, pneumatic tools were a revolutionary new technology. J.W. Duntley, an ambitious foreman in a Milwaukee foundry, recognized the potential in these tools and set out to pursue his American dream.

With keen intellect and little money, he partnered with young steel tycoon Charles Schwab to manufacture and market air tools under the Chicago Pneumatic name. At this time, most manufacturers specialized in creating only one type of tool. Duntley realized that if Chicago Pneumatic could manufacture and sell a complete line of pneumatic tools, it could provide superior service. In a sense, he had the vision for one-stop shopping for the pneumatic tool industry long before it became the norm.

He did not realize his company would have such an impact on the world. As the industry's most experienced manufacturer, Chicago Pneumatic has developed tools that helped build and maintain some of the world's most recognizable landmarks. CP impact wrenches and riveting hammers were used to construct such icons and engineering marvels as the Empire State Building and the Golden Gate Bridge. The company's concrete vibrators were partially responsible for the construction of the Hoover Dam, one of America's Seven Modern Civil Engineering Wonders.

When the United States found itself embroiled in World War II, CP produced the tools necessary to fabricate, assemble and maintain the nation's military equipment. And in addition to helping the nation's defense, one Chicago Pneumatic tool became part of an icon that symbolizes American character and courage. In the legendary painting "Rosie the Riveter", by Norman Rockwell, the famous factory worker eats her lunch with a CP riveting hammer lying on her lap.

Chicago Pneumatic continued to expand its global business as the century progressed, and even began making its mark on space travel. During the late 1960's and early 1970's, the United States sent men into space and explored the moon in the Apollo space program. What is arguably the most technologically advanced organization in the world depended on Chicago Pneumatic tools for the safety of its astronauts. NASA used Chicago Pneumatic's air motors in the Apollo space capsules, employing them to rotate the capsules upon their return to earth, ensuring that the exit hatches faced up and out of the sea, making exit safe for the astronauts.

J.W. Duntley signed the incorporation papers for Chicago Pneumatic Tool Company in New Jersey in December 1901. One hundred years ago, he could not have known that the tools his company crafted would help build at least four of the Top Ten Construction Achievements of the 20th century. Nevertheless, perhaps he did realize, all those years ago, that the brand he built and the commitment to quality he instilled would make CP tools the first choice of generations of people around the world.

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Construction Tools**

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Ergonomic Features

- Air powered-take advantage of air available at most construction sites; no danger of overheating, even with continuous use.
- All tools fitted with rugged mufflers to comply with current CE noise regulations.
- Some tools available with vibration reducing handles - helps operator comfort and reduces chances of vibration injury.

Other Features

- Rugged construction-withstands tough use.
- Heat treated internal parts-keep tools on the job; minimize repairs.
- Wide variety of accessories available-extends tool versatility.

Breakers – Four Bolt	5
Clay Diggers/Picks	7
Buster	8
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To reduce the risk of injury, everyone using, installing, repairing, maintaining, changing, accessories on, or working near CP tools must read and understand CP safety instructions packed with each tool. For a copy of these instructions, contact your local distributor or Atlas Copco.



CP-1210S



CP-1210-SVR



CP-1230S

Breakers-Four Bolt

CP four bolt breakers are based on a traditional style road breaker providing high power and reliability. They feature a four bolt backhead, separate two bolt front head with springs, a reversible piston and steel spool valve all ensuring powerful performance and an exceptionally long life. Vibration reduced versions of all tools are available.

CP-1210S and CP-1210SVR

Applications: The CP-1210S and CP-1210SVR demolition tools are lightweight rugged road breakers designed for light to medium construction and plant maintenance work, such as light demolition to floors, pavements and roads. These tools are very popular for bridge deck jobs and utility work.

CP-1230S and CP-1230SVR CP-1240S and CP-1240SVR

The CP-1230S and CP-1240S range of demolition tools are designed to deliver the power and durability necessary for a variety of construction and plant maintenance applications, such as breaking reinforced concrete, heavy roadworks, tarmac cutting and general demolition work.

Features

- Alloy steel forgings - provide excellent durability.
- Four-bolt backhead design - withstands rugged use.
- Integral oilers - provide continuous lubrication.
- Heavy-duty head springs reduce reaction back to operator.
- Air inlet swivel for easy manoeuvrability.
- All breakers use standard 1 1/4" x 6" hex steels.
- The CP-1210S and CP-1210SVR available with 1" x 4 1/4" hex option.

Model Number	Part Number	Retainer	Net Weight kg (lb.)	Overall Length mm (in.)	Standard Hex. Chuck Size mm (in.)	Shipping Weight kg (lb.)
AIR CONSUMPTION: 22 l/s AT 6.2 bar (48 cfm at 90 psi) Air inlet thread 1/2" BSP.						
CP-1210-SE	T022157	Latch	19.9 (44)	536.5 (21 1/8)	25 x 108 (1 x 4 1/4)	22.2 (49)
CP-1210-SVRE	T024339	Latch	23.2 (51)	569.9 (23 1/2)	25 x 108 (1 x 4 1/4)	25.9 (57)
CP-1210-S-1.25	T025262	Latch	24.5 (54)	610 (24)	32 x 152 (1 1/4 x 6)	25.4 (56)
CP-1210-SVR-1.25	T025286	Latch	28 (62)	660 (26)	32 x 152 (1 1/4 x 6)	30 (66)
AIR CONSUMPTION: 29 l/s AT 6.2 bar (64 cfm at 90 psi) Air inlet thread 3/4" BSP.						
CP-1230-S-1.25	T022159	Latch	30.9 (68)	673.1 (26 1/2)	32 x 152 (1 1/4 x 6)	32.2 (71)
CP-1230-SVR-1.25	T024239	Latch	34 (74)	698.5 (27 1/2)	32 x 152 (1 1/4 x 6)	36.8 (81)
AIR CONSUMPTION: 38 l/s AT 6.2 bar (84 cfm at 90 psi) Air inlet thread 3/4" BSP.						
CP-1240-S-1.25	T022222	Latch	39.0 (86)	730.3 (28 3/4)	32 x 152 (1 1/4 x 6)	42.6 (92)
CP-1240-SVR-1.25	T024535	Latch	41.8 (95)	762 (30)	32 x 152 (1 1/4 x 6)	44.5 (98)

"S" = Silenced

"E" = European shank version, 1" (25mm) only

"VR" = Vibration Reduced

Mufflers

Tool	Part No.
CP-1210S	F814928
CP-1210SVR	F814928
CP-1210S 1.25"	R146351
CP-1210SVR 1.25"	R146351
CP-1230S	R145237
CP-1230SVR	R145237
CP-1240S	R146352
CP-1240SVR	R146352

Rubber Handle Grips

Tool	Part No.
CP-1210S	F816345
CP-1210S 1.25"	F816345
CP-1210SVR	R145788
CP-1210SVR 1.25"	R145788
CP-1230S	F816345
CP-1240S	F816345
CP-1230SVR	R145788
CP-1240SVR	R145788

Air Inlet Swivels

Tool	Part No.
CP-1210S	R099847
CP-1210SVR	R099847
CP-1210S 1.25"	R099847
CP-1210SVS 1.25"	R099847
CP-1230S	R138130
CP-1230SVR	R138130
CP-1240S	R138130
CP-1240SVR	R138130



Chicago
Pneumatic

Demolition Tools

Clay Diggers / Picks

Clay Diggers/Picks

Applications: These tools are suited for trenching, tunneling, lateral and overhead work and light demolition in construction applications.

The FL 25S heavy pick is ideal for heavy tunnelling applications and concrete demolition such as pile-capping.

Features

CP-0222S

- Lightweight, compact, for easy handling
- Latch retainer
- Inside and outside trigger versions available.

FL-0022FS

- Slim design allows work in tight spaces
- Teasing throttle with outside trigger for optimum control
- Sleeve retainer with bumper holds accessory securely and allows use with clay spades.

FL-0025S CP Jigger

- Slim design allows work in tight spaces
- Teasing throttle with outside trigger for optimum control
- Nose cone retainer allows use with points and narrow chisels only.



FL-0022FS



CP-0222S



FL-0025S

CP-0222: air consumption at 6.2 bar (90 psi) 20 l/s (44 cfm), 3/4 BSP air inlet thread.

FL-0022: air consumption at 6.2 bar (90 psi) 14 l/s (30 cfm), 3/4 BSP air inlet thread.

FL-0025: air consumption at 6.2 bar (90 psi) 20 l/s (44 cfm), 3/4 BSP air inlet thread.

Model Number	Part Number	Bore and Stroke mm (in.)	Throttle	Net Weight kg (lb.)	Overall Length mm (in.)	Retainer	Standard Chuck mm (in.)
CP-0222CHOTBS Pick	T022323	40.6 x 85.9 (1 9/16 x 3 13/32)	Outside Trigger	10 (22)	495.3 (19 1/2)	Latch	22 x 82 hex (7/8 x 3 1/4 hex)
CP-0222CHITBS Pick	T022325	40.6 x 85.9 (1 9/16 x 3 13/32)	Inside Trigger	10 (22)	495.3 (19 1/2)	Latch	22 x 82 hex (7/8 x 3 1/4 hex)
FL-0022F* Clay Digger	T022105	40.6 x 139.7 (1 9/16 x 5 1/2)	Outside Trigger	9.5 (21)	495.3 (19 1/2)	Screw & split collar	19 x 82 square (3/4 x 3 1/4 square)
FL-0022-FS** Clay Digger	T022106	40.6 x 139.7 (1 9/16 x 5 1/2)	Outside Trigger	10.5 (23)	495.3 (19 1/2)	Screw & split collar	19 x 82 square (3/4 x 3 1/4 square)
FL-0025S*** Heavy Pick	T025244	40.6 x 203.2 (1 9/16 x 8)	Outside Trigger	12.75 (28)	584.2 (23)	Sleeve	25 x 75 round (0.983 x 2 15/16 round)

* Unsilenced

** Silenced

*** (CP Jigger)

Mufflers

Tool	Part No.
CP-0222S	R141765
FL-0022FS	F814201
FL-0025S	F814201

Claw Couplings not included on air inlet.

Busters

Applications: These tools are excellent for medium to heavy concrete demolition, cutting large rivets and bolts, and other cutting and ripping operations.



CP-4181

- Boyer valve and long piston stroke – deliver the power required to handle the toughest jobs
- Teasing throttle – precise control
- Forged steel handle – designed for long life under rugged conditions
- Hardened steel piston and cylinder – excellent wear resistance

CP-4181-PUSER

Air consumption:

CP-4181-PUSER 17 l/s at 6.2 bar (38 cfm at 90 psi).

CP-4181-PULER 18 l/s at 6.2 bar (40 cfm at 90 psi)

Type RB Chisel Shank; 3/8" BSP air inlet thread.

Model Number	Part Number	Capacity Rivet Cutting Dia. mm (in.)	Bore and Stroke mm (in.)	Blows per Minute	Handle/ Trigger	Overall Length mm (in.)	Net Weight kg (lb.)
CP-4181-PUSER	T021731	22.2 (7/8)	30.2 x 203 (1 3/16 x 8)	1080	Pistol/ Outside	584 (23)	13.2 (29)
CP-4181-PULER	T021614	25.4 (1)	30.2 x 279 (1 3/16 x 11)	720	Pistol/ Outside	660 (26)	15.0 (33)

Standard Equipment:

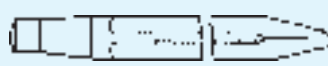
Two spare rubber bumpers, P-072334

Lower sleeve, P072333

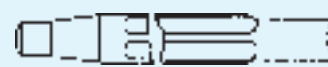
Upper sleeve, P0144720

Wire retainer spring, P073942

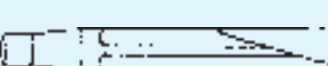
For CP-4181 Buster



Moil Point P071011 12" (300mm) long

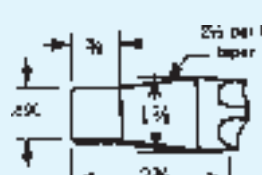


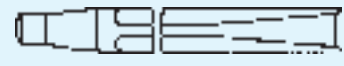
Drift Ping Driver P098822 7 1/2" (188mm) long



Ripper P071010 9" (225mm) long

Chisel Shank Dimensions



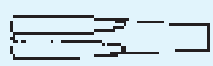


Cutting (Tight Rivets)
P071006 9 3/4" (244mm) long
P139264 12" (300mm) long
P139265 18" (450mm) long

Cutting (Loose Rivets)
P071005 9 3/4" (244mm) long
P139262 12" (300mm) long
P139263 18" (450mm) long

Type RB Retainer (CP-4181)
P-138888 Assembly includes:
P072332 Upper Sleeve
P072333 Lower Sleeve
P072334 Rubber Bumper
P071849 Retainer Sleeve
P073942 Wire Spring
Retainer Springs (CP-4181)


Title	Part No.
Polyurethane	P135248
Wire Spring	P073942



Backing Out Punches

Symbol No.	Rivet Size	Length
P071587	1/2" (12.5mm)	9 3/4" (244mm)
P071007	5/8" (16mm)	9 3/4" (244mm)
P071008	3/4" (20mm)	9 1/2" (237mm)
P080954	3/4" (20mm)	12" (300mm)
P071009	7/8" (22mm)	9 1/2" (237mm)
P080955	7/8" (22mm)	12" (300mm)
P072216	1" (25mm)	9 1/2" (237mm)
P080956	1" (25mm)	12" (300mm)

Air Inlet Swivel P137072



1/2" (12.5mm) NPTF Air Inlet Thread with
1/2" (12.5mm) Hose Barb

Scabbler

Applications: The CP-0006 Scabbler is the ideal tool for cleaning and roughening concrete and construction joints. The tool can also be used to produce ornamental or contrasting finishes on road and building structures.

Features

- Lightweight, compact tool with contoured grip handle – reduces operator fatigue; increases output
- Tungsten carbide-tipped pistons – last longer; are easily replaced
- Back head grip – gives in-line thrust
- Chamfered cylinder block – increases visibility if the work piece permitting close-up operation in corners



CP-0006

1/2" BSP air inlet thread; air consumption 13 l/s at 6.2 bar (28 cfm at 90 psi).

Model Number	Part Number	Weight kg (lb.)	Length mm (in.)	Stroke mm (in.)	Blows per Minute	Bore mm (in.)	Height (Pistons Ext.'d.) mm (in.)	Width mm (in.)	No. & Type of Pistons
CP-0006	T022137	4.54 (10)	411 (16.57)	25 (1)	3000 per piston	28 (1.103)	197 (7.76)	111 (4.37)	Three 4-point carbide tipped



Ergonomic Features

- Air powered – take advantage of air available at most construction sites – no danger of overheating, even with continuous use.
- Some tools available with Hushed Power® Muffler – rugged bolt-on muffler system reduces exhaust sound levels without decreasing tool power.
- Vibration reduced handles available for some models.

Other Features

- Rugged construction – withstands tough use.
- Heat-treated internal parts – keep tools on the job; minimize repairs.
- Cushioned piston – reduces shock.
- Integral oiler – provides continuous lubrication.
- Wide variety of accessories available – extends tool versatility

Sinker Drills

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Rotary Hammers

12

To reduce the risk of injury, everyone using, installing, repairing, maintaining, changing accessories on, or working near CP tools must read and understand CP safety instructions packed with each tool. For a copy of these instructions, contact your local distributor or Atlas Copco.

Applications: Chicago Pneumatic Sinker Drills are the ideal tools for all your drilling operations. Their streamlined design incorporates smooth contours, a side exhaust and a “flat back” that makes them easy to handle in quarry, mine and general excavating work. The design also provides a main valve and cylinder-porting concept that helps maintain constant drilling speed throughout a long service life. Working parts are constantly protected with an effective lubrication system.



CP-0022



Vibration reducing handles



CP-0032-A

Features – All Models

- Forged steel housings withstands rugged use
- Cushioned piston reduces shock
- Multiposition throttle for easy starting of holes
- Blower lever for deep hole cleaning, except CP-0022
- Integral oiler provides continuous lubrication
- Air inlet swivel improves maneuverability
- Vibration reducing handles available for all models.

CP-0022 Sinker Drill

14 kg Class - The CP-0022 provides drilling capability for holes up to 38mm diameter, 2.7 m deep. This is the ideal choice where a lightweight and powerful tool is needed in public works, utilities and drilling from scaffolding. Also the correct choice where air supply is limited. Spring retainer used for quick steel changes.

CP-0032-A Sinker Drill

20 kg Class – Choose the CP-0032A for holes up to 50mm diameter and 3 m deep. A top performer in its class, the CP-0032A is highly effective in general excavation work, quarry drilling, bench mining and other jobs requiring a sinker in the 20 kg class. The tool's durable “Beavertail” retainer helps it deliver increased contact and reduces collar wear.



CP-0069

CP-0069 Sinker Drill

25 kg Class – The CP-0069 is suited for drilling 62.5mm diameter holes 6 m deep. The heavy-duty CP-0069 Sinker is a hard-hitting tool that combines high drilling speed with excellent hole cleaning ability. Its trouble-free “Beavertail” retainer provides greater front-end durability and increased collar contact to reduce wear.

Drilling Rates in Hard Rock (use as guide only)

Tool	mm (in.)/min.	Dia. mm (in.)
CP-0022	15 (6.0")	41 (1 ⁵ / ₈ ") Hole
CP-0032	23 (9.0")	44 (1 ³ / ₄ ") Hole
CP-0069	26 (10.2")	44 (1 ³ / ₄ ") Hole

All Models: dry type; double-grip handles; 3/4" BSP swivel air inlet.

Model Number	Part Number	Net Weight kg (lb.)	Overall Length with Retainer mm (in.)	Standard Hex. Chuck size mm (in.)
14 kg CLASS, AIR CONSUMPTION: 26 l/s AT 6.2 bar (56 cfm at 90 psi)				
CP-0022	T022114	12.7 (28)	504.8 (19 7/8)	22 x 82 (7/8 x 3 1/4)
20 kg CLASS, AIR CONSUMPTION: 48 l/s AT 6.2 bar (103 cfm at 90 psi)				
CP-0032A-.87	T022318	24.5 (54)	558.8 (22)	22 x 82 (7/8 x 3 1/4)
CP-0032A-.87-A	T022117	24.5 (54)	584.2 (23)	22 x 108 (7/8 x 4 1/4)
CP-0032-A-1	T022319	24.5 (54)	584.2 (23)	25 x 108 (1 x 4 1/4)
25 kg CLASS, AIR CONSUMPTION: 61 l/s AT 6.2 bar (130 cfm at 90 psi)				
CP-0069	T022259	29.1 (64)	622.3 (24 1/2)	25 x 108 (1 x 4 1/4)

CP-0022, CP-0032 and CP-0069 can all be fitted with vibration reducing handle kit, part number R154915.

These versatile tools are both a drill and a chipping hammer. A push of the rotation release button easily and quickly converts the tool to a hammer.

Applications: The CP-0009 and CP-0014RR rotary hammers are designed for a wide variety of constructions and maintenance applications such as driving or setting masonry anchors and drilling holes in concrete, bricks or rock. As a hammer, these tools can be used for chipping, scarifying, scaling and cleaning welds.

Features

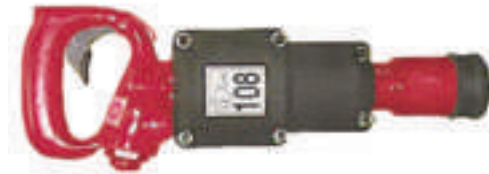
- Excellent power-to-weight ratio helps drill holes faster and easier than comparable electric rotary hammers
- Built-in oiler provides continuous lubrication
- Teasing throttle for precise control
- Rotation release button converts tool to a hammer on some models
- Cushioned piston for smooth operation, long life

CP-0009 (All models)

- Right hand rotation
- With an adaptor, can be used with electric hammer drill bits.



CP-0014RRBS



CP-0009CS

CP-0014RRBS: $\frac{3}{8}$ " BSP air inlet thread.

Air consumption at 6.2 bar: CP-0009CS 9 l/s ; CP-0014RRBS 15 l/s.
(at 90 psi 20 cfm and 32 cfm)

Drilling Rates in Hard Rock / Concrete

(use as guide only)

Tool	Drill Rate mm (in.) / min.	Drill, Diameter mm (in.)
CP-0009	100 (4")	1 $\frac{1}{4}$ " (31mm)
CP-0014-RR	125 (5")	1 $\frac{3}{4}$ " (44mm)

Model Number	Part Number	Net Weight kg (lb.) Tool Only	Overall Length mm (in.)	Type of Chuck mm (in.)	Rotation Release
CP-0009-BS*	T022329	4.1 (9)	374.7 (14 $\frac{3}{4}$)	$\frac{3}{4}$ x $\frac{3}{4}$ (19 x 95.2) round shank	Yes
CP-0009-CS*	T022322	4.1 (9)	374.7 (14 $\frac{3}{4}$)	$\frac{3}{4}$ x $\frac{3}{4}$ (19 x 95.2) round shank	No
CP-0014-RRBS	T022321	6.8 (15)	469.9 (18 $\frac{1}{2}$)	$\frac{7}{8}$ x $\frac{3}{4}$ (22 x 82.5) Spring hex shank	Yes

Rotary Drill

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Core Cutter or Core Drill

The CP-0315 Sunan Borer is commonly called the CP Core-drill or Core-cutter. It is a powerful, hand-held, rotary drill with a threaded output shaft onto which a water swivel and core bit can be fitted.

Applications: The CP-0315 was designed for hand cutting 65mm to 125mm dia. holes in reinforced concrete British Telecom junction boxes for the installation of fibre optic cables. It is now being used in many other sectors of the construction industry where holes require cutting in concrete, brickwork, stone etc but the access or position restricts the use of rig mounted units. It is ideal for use in hazardous environments where use of electrical tools is forbidden.



CP-0315 SUNAN BORER

Features

- Powerful 1.2 hp air motor for tough work.
- Self-closing twist throttle operation for one hand control.
- Governor controlled motor holds speed at heavy loads whilst increasing power.
- Integral oil reservoir ensures correct oiling during use.
- External grease fitting for easy lubrication.
- Breast-plate for operator comfort when drilling horizontally.
- Its light weight helps operator keep tool stable during use.

Model Number	Part Number	Free Speed rpm	Overall length mm (in.)	Net Weight kg (lb.)	Motor hp	Output shaft thread	Air inlet thread
CP-0315 Sunan Borer	T024733	750	320 13	6.1 13.5	1.2	⁴⁵ / ₆₄ " - 16	1/2" BSP

Air inlet 1/2" BSP.

Air consumption 20 l/s at 6 bar (44 cfm at 90 psi).

Output spindle thread ⁴⁵/₆₄" - 16 tpi, breast plate part number C062121.



This section describes types of hammers manufactured by Chicago Pneumatic. Suitability of different tools and accessories is dependent on the specific operating environment. Tools should be chosen correctly to promote their longevity and user safety. Suitable tools are available for almost all hammering applications. If the information is unclear or you have questions relating to the application please call your local dealer for assistance.

Chipping Hammers 16

Accessories 19

Ergonomic Features

Chicago Pneumatic have the advantage of advanced ergonomic technology. The features enhance the users comfort whilst still achieving increased productivity levels.

- Full range – designed for maximum productivity in many applications.
- Air powered – flow of air through the tool keeps them cool to touch, no overheating.
- Powerful, compact and lightweight, designed for operator comfort.
- Wide variety of accessories available, enhances versatility of the tool.
- Vibration reduced tools provide operator comfort and reduce fatigue.

Other features

- Rugged construction – helps withstand tough use.
- Heat-treated internal parts reduce wear and tear and minimise repairs.

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CP-4121

Applications: The CP-4121 Series Chipping Hammers are powerful tools with significantly reduced vibration levels. This heavy-duty tool is designed for rugged use in foundries, shipyards, refineries, fabrication shops and construction applications. Available in through 25-100mm stroke in both round and hex chisel configurations to offer the power necessary for a variety of uses from light and medium chipping and trimming through heavy-duty cutting and chipping.



CP-4121-3-R

Features

- Patented vibrations isolation system – reduces both high and low frequency vibration transmitted to the operator, without compromising tool performance; is effective over a wide range of operator applied force; has minimal effect on tool length and weight
- Unique air “lockout” mechanism patented by CP – automatically stops air flow to the tool if retainer is loosened or removed; helps prevent chisel from being accidentally ejected; tool remains disarmed until retainer is correctly replaced
- Screw-on retainer – provides a positive lock of chisel to tool; retainer acts as integral part of the “lockout” mechanism
- Inside trigger – provides protection from external damage; permits a solid comfortable grip

All Models: Closed grip handle with self-closing inside trigger; 1/2” BSP air inlet thread; air consumption at 6.2 bar, 10.85-12.74 l/s. (At 90 psi 23 - 27 cfm)

- Ergonomic closed grip “D” handle – locates operator’s handle in-line with chisel for maximum effectiveness and operator comfort
- New Teasing throttle design – provides “ring valve” control
- Forward entry air-inlet – improves tool balance and reduces pulsating air effect felt by the operator; built-in air inlet screen keeps out foreign objects
- Redesign simplate valve – gives smooth powerful operation, which results in low maintenance; is easy to service
- Moveable deflector – allows exhaust air to be directed away from operator
- Hardened steel piston and cylinder, aluminum handle – reduce tool weight and maintenance; extend tool life
- Choice of 25, 50, 75 and 100mm stroke lengths – allows operator to match tool to job requirements
- Choice of round and hex bushings – match tool to chisel style

Model Number	Part Number	Bore and Stroke mm (in.)	Blows per Minute	Chisel Bushing mm (in.)	Overall Length* mm (in.)	Net Weight kg (lb.)
SIMPLATE VALVE						
CP-4121-1-R	T023901	28.6 x 25.4 (1 1/8 x 1)	2820	17.3 (.680) Round	438 (17 1/4)	7.5 (16 1/2)
CP-4121-1-H	T024124	28.6 x 25.4 (1 1/8 x 1)	2820	14.7 (.580) Hex.	438 (17 1/4)	7.5 (16 1/2)
CP-4121-2-R	T023902	28.6 x 51 (1 1/8 x 2)	2400	17.3 (.680) Round	464 (18 1/4)	8.0 (17 1/2)
CP-4121-2-H	T024125	28.6 x 51 (1 1/8 x 2)	2400	14.7 (.580) Hex.	464 (18 1/4)	8.0 (17 1/2)
CP-4121-3-R	T023903	28.6 x 76 (1 1/8 x 3)	1920	17.3 (.680) Round	514 (20 1/4)	8.6 (19)
CP-4121-3-H	T024126	28.6 x 76 (1 1/8 x 3)	1920	14.7 (.580) Hex.	514 (20 1/4)	8.6 (19)
CP-4121-4-R	T023904	28.6 x 102 (1 1/8 x 4)	1500	17.3 (.680) Round	546 (21 1/2)	9.1 (20)
CP-4121-4-H	T024127	28.6 x 102 (1 1/8 x 4)	1500	14.7 (.580) Hex.	546 (21 1/2)	9.1 (20)

*Includes retainer

“R” Versions: Heavy Duty Retainer, Oval Collar Steel, P144441

Standard Equipment:

“H” Versions: Heavy Duty Retainer, Oval Collar Steel, P145545

CP-4123

Applications: This heavy-duty tool is designed for rugged use in foundries, fabrication shops and construction applications. The tool is available in 25 through 100mm stroke versions, which offer the power levels necessary for a variety of uses, from light to medium chipping and trimming through heavy cutting.

Features

- Simplate valve – for smooth, powerful operation
- Rugged construction – hardened steel piston, cylinder and handle
- Teasing throttle – for precise control
- Clip lock – prevents loosening of handle/cylinder
- Choice of bushing:
round – chisel freely rotates
hex – prevents chisel rotation



CP-4123-PYRA

All Models: pistol grip handle with self-closing outside trigger, 3/8" BSP air inlet thread; air consumption at 6.2 bar, 10.85 - 12.74 l/s. (At 90 psi 23 - 27 cfm)

CP-4125

Applications: This heavy-duty tool is designed for rugged use in foundries, shipyards, refineries, fabrication shops and construction applications. Available in 25 through 100mm stroke versions to offer the power levels necessary for a variety of uses from light and medium chipping and trimming through heavy cutting.

Features

- Simplate valve - powerful, smooth running hammer with excellent controllability
- Teasing throttle – provides precise control
- Spline lock – prevents loosening of handle/cylinder
- Forged steel handle – withstands rugged use
- Heat treated cylinders with chrome plated bores – ensure excellent durability
- Choice of bushing:
round – chisel freely rotates
hex – prevents chisel rotation

Model Number	Part Number	Bore and Stroke mm (in.)	Blows per Minute	Chisel Bushing mm (in.)	Overall Length mm (in.)	Net Weight kg (lb.)
SIMPLATE VALVE						
CP-4123-PYBA	T021330	28.6 x 25.4 (1 1/8 x 1)	2820	17.3 (.680) Round	308 (12 1/8)	5.5 (12)
CP-4123-PYBE	T021331	28.6 x 25.4 (1 1/8 x 1)	2820	14.7 (.580) Hex.	308 (12 1/8)	5.5 (12)
CP-4123-PYRA	T021305	28.6 x 51 (1 1/8 x 2)	2400	17.3 (.680) Round	327 (12 7/8)	5.9 (13)
CP-4123-PYRE	T021588	28.6 x 51 (1 1/8 x 2)	2400	14.7 (.580) Hex.	327 (12 7/8)	5.9 (13)
CP-4123-PYSA	T021306	28.6 x 76 (1 1/8 x 3)	1920	17.3 (.680) Round	378 (14 7/8)	6.5 (14 1/4)
CP-4123-PYSE	T021587	28.6 x 76 (1 1/8 x 3)	1920	14.7 (.580) Hex.	378 (14 7/8)	6.5 (14 1/4)
CP-4123-PYTA	T024046	28.6 x 102 (1 1/8 x 4)	1500	17.3 (.680) Round	410 (16 1/8)	7.0 (15 1/2)
CP-4123-PYTE	T024047	28.6 x 102 (1 1/8 x 4)	1500	14.7 (.580) Hex.	410 (16 1/8)	7.0 (15 1/2)
CP-4125-PYBA	T020760	28.6 x 25.4 (1 1/8 x 1)	2820	17.3 (.680) Round	308 (12 1/8)	5.5 (12)
CP-4125-PYBE	T020832	28.6 x 25.4 (1 1/8 x 1)	2820	14.7 (.580) Hex.	308 (12 1/8)	5.5 (12)
CP-4125-PYRA	T020803	28.6 x 51 (1 1/8 x 2)	2400	17.3 (.680) Round	327 (12 7/8)	5.9 (13)
CP-4125-PYRE	T020804	28.6 x 51 (1 1/8 x 2)	2400	14.7 (.580) Hex.	327 (12 7/8)	5.9 (13)
CP-4125-PYSA	T020805	28.6 x 76 (1 1/8 x 3)	1920	17.3 (.680) Round	378 (14 7/8)	6.5 (14 1/4)
CP-4125-PYSE	T021296	28.6 x 76 (1 1/8 x 3)	1920	14.7 (.580) Hex.	378 (14 7/8)	6.5 (14 1/4)
CP-4125-PYTA	T020806	28.6 x 102 (1 1/8 x 4)	1500	17.3 (.680) Round	410 (16 1/8)	7.0 (15 1/2)
CP-4125-PYTE	T021297	28.6 x 102 (1 1/8 x 4)	1500	14.7 (.580) Hex.	410 (16 1/8)	7.0 (15 1/2)

Standard equipment: All Models: Economy retainer, P107243 accepts oval collar chisels. Wire retainer spring, P070994.

Optional equipment: All Models: hose swivels and chisel retainers.

CP-4127

Applications: These heavy-duty chipping hammers feature a unique air "lockout" mechanism, and are designed for rugged use in foundries, shipyards, fabrications shops and construction applications. Available in 25 through 100mm stroke versions to offer the power levels necessary for a variety of uses including light and medium chipping and trimming to heavy-duty cutting.



CP-4127-3-RO

Features

- Unique air "lockout" mechanism patented by CP – automatically stops air flow to the tool if retainer is loosened or removed; helps prevent chisel from being accidentally ejected; tool remains disarmed until retainer is correctly replaced.
- Screw-on retainer – provides a positive lock of chisel to tool; retainer acts as integral part of the "lockout" mechanism
- Two bolt flanged connection between cylinder and handle – for fast easy service; positive handle-to-cylinder joint reduces parts breakage
- Ergonomic closed grip "D" handle – locates operator's hand in-line with chisel for maximum effectiveness and operator comfort
- Inside trigger – provides protection from external damage; permits a solid comfortable grip
- New teasing throttle design – provides "ring valve" control

All Models: Closed grip handle with self-closing inside trigger; 1/2" BSP air inlet thread; air consumption at 6.2 bar, 10.85 - 12.74 l/s. (At 90 psi 23 - 27 cfm)

- Forward entry air-inlet – improves tool balance and reduces pulsating air effect felt by the operator. Built-in air inlet screen keeps out foreign objects
- Redesigned simplate valve – gives smooth powerful operation, which results in low maintenance; is easy to service
- Moveable deflector – allows exhaust air to be directed away from operator
- Steel piston, cylinder and handle – reduce maintenance and extend tool life
- Choice of 25, 50, 75 and 100mm stroke lengths – allows operator to match tool to job requirements
- Choice of round and hex bushings – match tool to chisel style

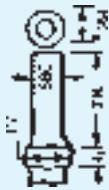









Model Number	Part Number	Bore and Stroke mm (in.)	Blows per Minute	Chisel Bushing mm (in.)	Overall Length* mm (in.)	Net Weight* kg (lb.)
SIMPLATE VALVE						
CP-4127-1-RO	T024416	28.6 x 25.4 (1 1/8 x 1)	2820	17.3 (.680) Round	362 (14 1/4)	7.1 (15)
CP-4127-1-HO	T024420	28.6 x 25.4 (1 1/8 x 1)	2820	14.7 (.580) Hex.	362 (14 1/4)	7.1 (15)
CP-4127-2-RO	T024415	28.6 x 51 (1 1/8 x 2)	2400	17.3 (.680) Round	381 (15)	7.5 (16)
CP-4127-2-HO	T024419	28.6 x 51 (1 1/8 x 2)	2400	14.7 (.580) Hex.	381 (15)	7.5 (16)
CP-4127-3-RO	T024414	28.6 x 76 (1 1/8 x 3)	1920	17.3 (.680) Round	432 (17)	8.2 (17 1/2)
CP-4127-3-HO	T024418	28.6 x 76 (1 1/8 x 3)	1920	14.7 (.580) Hex.	432 (17)	8.2 (17 1/2)
CP-4127-4-RO	T024413	28.6 x 102 (1 1/8 x 4)	1500	17.3 (.680) Round	464 (18 1/4)	8.7 (18 1/2)
CP-4127-4-HO	T024417	28.6 x 102 (1 1/8 x 4)	1500	14.7 (.580) Hex.	464 (18 1/4)	8.7 (18 1/2)

* Includes Retainer

Standard Equipment:

"R" Versions: Heavy Duty Retainer, Oval Collar Steel, P144441 "H" Versions: Heavy Duty Retainer, Oval Collar Steel, P145545

Shanks for CP-4121, CP-4123, CP-4125, CP-4127

		Part Number			
		For Tools with Retainer			
		680 Round (Round Collar)	.580 Hex (Round Collar)	.680 Round (Oval Collar)	.580 Hex (Oval Collar)
Style Chisel (See point illustrations below)	Overall Length mm (in.)				
Chisel Blanks	203 (8) 305 (12)	- -	- -	P092292 P092293	P092296 P092297
Flat Chisels	229 (9) 305 (12) 457 (18)	P144271 P144272 -	P144273 P144274 -	P092294 P092295 P137854	P092298 P092299 -
Moil Point	229 (9) 305 (12)	P144267 P144268	P144269 P144270	P092882 P092883	P098851 -
Cape	229 (9)	-	-	P071572	P106110
Round Nose	229 (9)	-	-	P071553	P106111
Diamond Point	229 (9)	-	-	P071555	P106112
Caulking	229 (9)	-	-	P071554	P106113
Bushing Tool - 16 pt., 1 3/4" Sq.	229 (9)	-	-	P138140	-
					
Round Nose	Flat	Caulking	Cape	Moil Point	Bushing Tool

Retainers for CP-4123 & CP-4125



Retainers for CP-4121 & CP-4127



Hose Swivels for CP-4123 & CP-4125

Title	Part No.
7/8"-24 Inlet Thread with 1/2" hose barb	P137070
7/8"-24 Inlet Thread with 3/8" male pipe thread	P137071
1/2" (12.5mm) (NPTF) Air Inlet Thread with 1/2" (12.5mm) hose barb	P137072

Retainer Springs for CP-4123 & CP-4125

Title	Part No.
Polyurethane	P135246
Wire Spring	P070994
Heavy Duty Wire	P139189



Pumps	21
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CP-0010, CP-0020

Applications: CP-0010 and CP-0020 sump pumps are designed with the performance and durability which make them ideal for removing water from trenches, ditches, manholes, industrial sumps and excavations. Will pump down to within 22mm from base.

Features – All Models

- Single-stage centrifugal units driven by powerful vane motors
- Double seals protect bearings and motor from water and mud
- Integral oiler provides continuous lubrication
- Integral strainer, air inlet valve
- Bronze impeller
- Cast-iron housing



CP-0010



CP-0020

Caution:

CP-0010 and CP-0020 pumps are not to be used for pumping flammable fluids.

Motor Horsepower: CP-0010, 3 hp (2.2kW); CP-0020, 4 hp (2.9kW).

Model Number	Part. Number	Min. Water Depth mm (in.)	Overall Height mm (in.)	Height w/o Valve mm (in.)	Water Discharge (NPT)	Net Weight kg (lb.)	Min. Opening Pump Will Enter mm (in.)	Air Inlet Thread Size (NPT)	Recom. Hose Size mm (in.)	Pump Performance Discharge (GPM)
SUMP										
CP-0010	T022224	22 (7/8)	445 (17 1/2)	336 (13 3/4)	50mm (2")	15 (33)	210 x 229 (8 1/4 x 9)	20mm (3/4")	19 (3/4)	Table A
CP-0020	T022185	22 (7/8)	406 (16)	298 (11 3/4)	62.5mm (2 1/2")	26 (58)	229 x 298.5 (9 x 11 3/4)	25mm (1")	25.4 (1)	Table B

TABLE A - CP-0010 PUMP PERFORMANCE, AIR CONSUMPTION: 47 l/s AT 6.2 bar (100 cfm at 90 psi)

CP-0010 sump Pump Performance Discharge (Gallons per Minute)

Total Head		2.8 bar		4.1 bar		5.5 bar		6.2 bar		6.9 bar	
meters	ft.	liters	gal.	liters	gal.	liters	gal.	liters	gal.	liters	gal.
3.05	10	605.6	160	832.7	220	908.4	240	927.3	245	965.2	255
6.10	20	529.9	140	775.9	205	870.6	230	908.4	240	946.3	250
9.14	30	454.2	120	700.2	185	813.8	215	870.6	230	927.3	245
12.2	40	340.7	90	605.6	160	757.0	200	813.8	215	870.6	230
15.2	50	227.1	60	511.0	135	662.4	175	738.1	195	794.9	210
18.2	60	37.9	10	397.4	105	586.7	155	662.4	175	738.1	195
21.3	70	-	-	302.8	80	492.1	130	567.8	150	643.5	170
24.3	80	-	-	226.5	60	360.0	95	473.1	125	586.7	155
27.4	90	-	-	-	-	283.8	75	397.4	105	473.1	125
30.5	100	-	-	-	-	208.2	55	283.8	75	259.6	95

TABLE B - CP-0020 PUMP PERFORMANCE, AIR CONSUMPTION: 51 l/s AT 6.2 bar (110 cfm at 90 psi)

CP-0020 Sump Pump Performance Discharge (Gallons per Minute)

Total Head		2.8 bar		4.1 bar		5.5 bar		6.9 bar	
meters	ft.	liters	gal.	liters	gal.	liters	gal.	liters	gal.
3.05	10	870.6	230	1078.7	285	1230.1	325	1286.9	340
6.10	20	738.1	195	1003.0	265	1192.3	315	1249.0	330
9.14	30	567.8	150	927.3	245	1135.5	300	1211.2	320
12.2	40	492.1	130	832.7	220	1059.8	280	1154.4	305
15.2	50	378.5	100	719.2	190	984.1	260	1059.8	280
18.2	60	246.0	65	624.5	165	870.6	230	984.1	260
21.3	70	-	-	473.1	125	757.0	200	851.6	225
24.3	80	-	-	302.8	80	605.6	160	719.2	190
27.4	90	-	-	-	-	-	-	586.7	155

Standard Equipment: all models with air inlet valve. CP-0020 has exhaust pipe 1 1/4" (31mm) NPTF x 18" (450mm) long, C086080; and exhaust pipe 1 1/4" (31mm) BSP x 18" (450mm) long, R137580. CP-0010 has exhaust pipe 1" (25mm) NPTF x 16" (400mm) long, S038723, and exhaust pipe 1" (25mm) BSP x 16" (400mm) long, R137578. Accessories listed at end of section.

CP-0077

Applications: The CP-0077 sludge pump easily handles water containing 15% solids and particles up to 25mm in size. They are suitable for pumping seawater and certain corrosive chemicals.

Features

- Operates on venturi/ejector principle – no motor or diaphragm to wear out
- Exhaust muffler – reduces sound level

Caution

CP-0077 pumps are not intended for pumping flammable fluids.



CP-0077

Air consumption at 6.2 bar (at 90 psi) 40 l/s (85 cfm).

Model Number	Part Number	Max. Suction Lift* m (ft.)**	Max. Head m (ft.)**	Discharge Outlet (NPT)	Net Weight kg (lb.)	Air Inlet Thread Size (NPT)	Recom. Hose Size mm (in.)	Pump Performance Discharge
CP-0077	T024005	6.10 (20)	53 (175)	62.5mm (2½")	69 (152)	20mm (¾")	25.4 (1)	Table B

* 6.2 bar air ** Includes friction head from hose.

Table B – CP-0077 pump performance

CP-0077 Sludge Pump Performance (at 6.2 bar air pressure and zero suction head)			
Total Head*		Liters Per Minute	
meters	ft.	liters	gal
7.6	25	341	90
15.2	50	295	78
55.9	75	257	68
30.4	100	227	60
45.7	150	182	48
53.3	175	136	36

Accessories

For CP Sump Pumps

Title	Part Number	Description
Pipe Thread Reducing Bushings	C037468	Has 3" (75mm) male and 2½" (62.5mm) female pipe thread.
Fire Hose Adapter	C078992	Has 2½" (62.5mm) male pipe thread once end and male thread for 2½" (62.5mm) National Standard fire hose coupling at other end.
Inlet Hose Nipple (CP-0077)	F027762	3" (75mm), unthreaded x 2½" (62.5mm) BSP
Outlet Nipples (CP-0077)	R146384	2½" (62.5mm) BSP x 2½" (62.5mm) NPT
	R146385	2½" (62.5mm) NPT (both ends)
	R146383	2½" (62.5mm) NPT street elbow



Chicago Pneumatic is proud to introduce a new line of Concrete Vibrators. The CP-1150, CP-2190 and CP-3250 are heavy duty tools designed for pours of low slump concrete in columns, footings, slabs and walls. Each tool has a greater radius of influence which translates to more work accomplished in a shorter period of time. And, unlike electric concrete vibrators, there is no chance of shock or need for extension cords and plugs.

Features:

- Three head diameters to choose from:
1 1/2", 2 1/2" and 3" (38, 62.5 and 75mm)
- Variable speed throttle
- In-line lubricator
- Auxiliary air hose
- Locked motor end plates



CP-1150

All models: 1/2" BSP air connection

Model Number	Part Number	Radius of Influence mm (in.)	Capacity l/s	Vibration per minute	Head Dimensions		Net Weight kg (lb.)	Length w/o Aux. hose mm (in.)	C.F.M Average
					Diameter mm (in.)	Length mm (in.)			
CP-1150	T022138	228.6-254.0 (9 - 10)	319	10,000	38.1 (1 1/2)	457.2 (18)	7.3 (16)	2184.4 (86)	28
CP-2190	T019308	381.0-406.4 (15 - 16)	700	12,000	36.5 (2 1/2)	349.3 (13 3/4)	12.3 (27)	2997.2 (118)	65
CP-3250	T019303	406.4-431.8 (16 - 17)	892	9,000	76.2 (3)	422.4 (16 5/8)	15.9 (35)	2971.8 (117)	85



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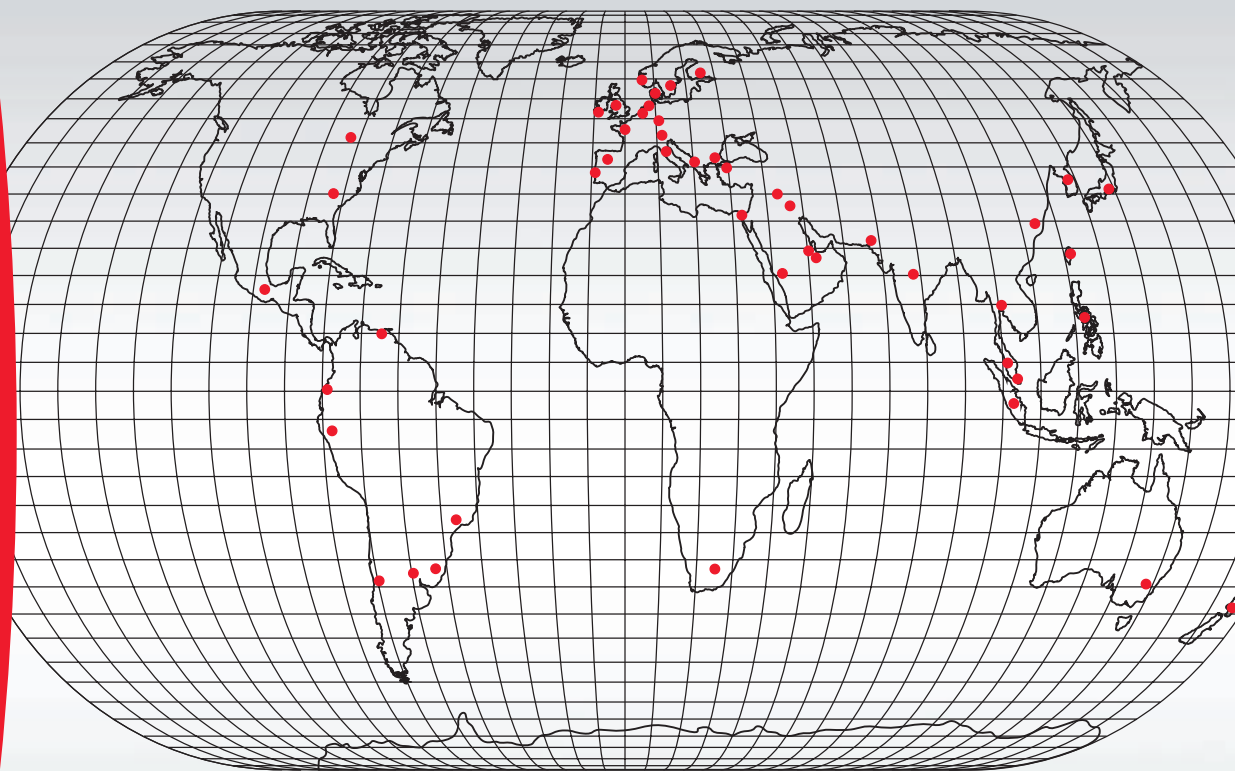


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