

# Surface Rock Drills

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Chicago  
Pneumatic

# Rotary Hammers, Hammer Drills

## Key features

The CP range of compact and lightweight plughole drills includes tools capable of drilling holes from 8 up to 44 mm and for use in light chipping applications.

The CP 0009 is the “mother” of small rotary drills. It must be one of the most copied air tools available on the market because no other design could match such a performance for such a small, easy-to-use drill. This is a key product that has made Chicago Pneumatic the leading brand of air tools in the US.

For applications where more power is needed, the CP 0014 would be the tool to use.

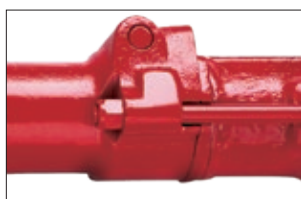


### CP 0009

- Excellent power-to-weight ratio to drill holes more easily and faster than with comparable electric rotary hammers
- Quick-release retainer for changing the drills simply and quickly to suit all different types of drilling and chipping applications
- Built-in oiler provides continuous lubrication
- Teasing throttle for precise control
- Low air consumption
- A and F versions feature a rotation release button, converting the machine from a drill to a chipper
- AC and CS versions can be converted from a drill to a chipper by changing the tool
- Cushioned piston for smooth operation and longer machine life
- Muffler available to reduce noise
- Right-hand rotation
- Equipped with an SDS adaptor, CP 0009 A, AC and CS can be used with electric hammer drill bits
- The CP 0009 is used for drilling holes from 8 to 25 mm in diameter, and up to 300 mm in depth. However, above 25 mm in diameter, we recommend first performing a test to prevent excessive wear
- Small, easy to handle

### CP 0014

- High power-to-weight ratio
- Six-spline piston provides ample loadbearing surfaces for long life
- Cushioned piston for smooth operation, long life
- Spring retainer
- “D” handle with outside trigger
- Integral, large-capacity oil chamber in the handle provides continuous lubrication
- Teasing throttle for precise control
- Muffler available to reduce noise
- Right-hand rotation



**CP 0009**

Rotation release button



# CP 0009 and CP 0014

## Applications

### CP 0009

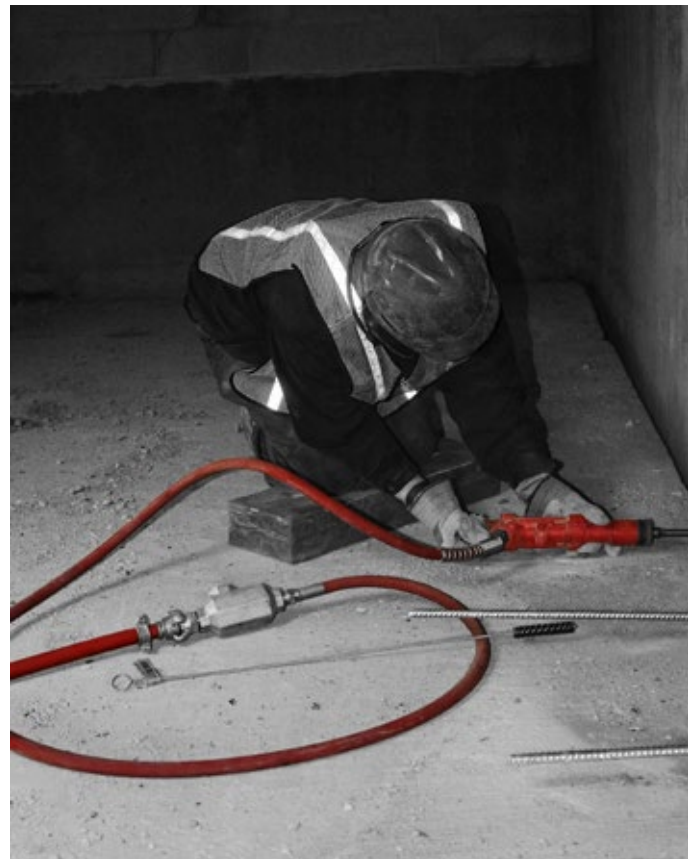
The versatile CP 0009 rotary hammers are ideal machines for a wide variety of building construction and maintenance applications such as:

- Drilling, chipping or chasing in concrete walls
- Roof drilling for the suspension of ventilation ducts in buildings, mines, tunnels etc
- Drilling holes in plaques, monuments, tombstones, etc, for the insertion of plugs, studs etc
- As a hammer, these tools can be used for chipping, scarifying, scaling and cleaning welds
- Drilling holes and chipping in the heating, water and sanitation industries, and in electrical installations

### CP 0014

Ideal for drilling operations which are above the capacity of CP 0009 and where a full size rock drill would be unwieldy, the CP 0014 is the ideal tool. As a rock drill with a normal depth rating of up to 0.6 m. (more in favourable circumstances), it can be used for:

- Bolting applications such as Rawlbolts and foundation bolting
- Quarry pop shots
- Foundation bolts
- Plugging



- Demolition shots and sign-hanging
- Drilling in concrete, granite, limestone, brick work
- As a hammer it will chip concrete, cut chases enlarge cavities, trim brick faces and scabble surfaces

CP rotary hammers		CP 0009 A	CP 0009 AC	CP 0009 CS	CP 0009 F	CP 0014 RR
Weight	kg	4,0	4,0	4,5	4,0	6,5
Length	mm	375	375	380	375	480
Air consumption	l/s	9	9	9	9	22
Blows per minute	bpm	3420	3420	3420	3420	2520
Rotation speed	rpm	189	189	189	189	165
Drill rate	mm/min	180 <sup>2)</sup> / 160 <sup>3)</sup>	180 <sup>2)</sup> / 160 <sup>3)</sup>	180 <sup>2)</sup> / 160 <sup>3)</sup>	180 <sup>2)</sup> / 160 <sup>3)</sup>	125 <sup>4)</sup>
Max drilling diameter	mm	32	32	32	32	44
Max drilling depth <sup>5)</sup>	mm	450	450	450	450	650
Air inlet	inch	3/8" NPTF	3/8" NPTF	3/8" BSP	3/8" NPTF	3/8" NPTF
Muffler included		No	No	Yes	No	No
Vibration level 3 axes (ISO 28927-10) Breaking/Drilling <sup>1)</sup>	m/s <sup>2</sup>	20,2 / 21,2	20,2 / 21,2	20,2 / 21,2	20,2 / 21,2	35,4 / 45,3
Sound power level guaranteed (2000/14/EC) <sup>1)</sup>	dB(A)	-	-	103	-	-
Sound pressure level (ISO 11203) <sup>1)</sup>	dB(A)	-	-	88	-	-
Retainer type		Quick-change	Quick-change	Quick-change	Quick-change	Spring
Chuck size	mm	Rd 19x95	Rd 19x95	Rd 19x95	Spline	Hex 22x82,5
Part number		8900 0020 03	8900 0020 08	8900 0020 07	8900 0020 04	8900 0020 10

<sup>1)</sup> **Important:** Full details of measurement are available in the Safety and Operating Instructions of the product (part no 9800 0547 90). It can be found on [www.cpprintshop.com](http://www.cpprintshop.com)

<sup>2)</sup> 19 mm drill in granite (use as guide only)

<sup>3)</sup> 19 mm drill in concrete (use as guide only)

<sup>4)</sup> 31 mm drill in hard rock/concrete (use as guide only)

<sup>5)</sup> Depending on drilled material

# Rock Drills, Sinker Drills

## Key features

Chicago Pneumatic rock drills are the ideal tools for all “hand-held” drilling operations. CP rock drills have streamlined design and low air consumption, which are very much appreciated. Smooth contours, side

exhausts and “flat back” make them easy to handle. High performance, robustness and low maintenance costs are essential for stone mining. CP design includes a higher quality 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

- Spring retainer to keep weight to a minimum
- Lightweight and powerful
- Low air consumption
- Combined blower and throttle lever for easy control

#### Options:

- Noise-reducing muffler

### CP 0032 – CP 0069

- Tough latch retainer provides extra support to collar and reduces wear
- Blower lever for deep hole cleaning
- Integral oiler provides continuous lubrication
- Efficient lubrication
- Graduated ratchet throttle control ensures accuracy in collaring holes
- High-speed drilling
- Low maintenance

#### Options:

- Noise-reducing muffler
- Wet drilling (only CP 0032)



CP 0022



CP 0032



CP 0069

– Same features as CP 0032 but even more powerful!

CP rock drills		CP 0022	CP 0022	CP 0032	CP 0032	CP 0032 S	CP 0032	CP 0069	CP 0069
Weight	kg	15	15	24,5	24,5	28	25,5	27,5	27,5
Length	mm	475	500	560	575	575	575	610	610
Air consumption	l/s	22	22	48	48	48	48	61	61
Blows per minute	bpm	2220	2220	1980	1980	1980	1980	1860	1860
Piston diameter	mm	60	60	67	67	67	67	70	70
Stroke length	mm	44	44	51	51	51	51	67	67
Rotation speed	rpm	232	232	180	180	180	180	210	210
Drill rate <sup>2)</sup>	mm/min	150	150	230	230	230	230	260	260
Max drilling diameter	mm	43	43	50	50	50	50	62	62
Max drilling depth <sup>3)</sup>	mm	2400	2400	3000	3000	3000	3000	6000	6000
Air inlet	inch	1/2" swivel	1/2" swivel	3/4" swivel	3/4" swivel	3/4" swivel	3/4" swivel	3/4" swivel	3/4" swivel
Muffler included		No	No	Option	Option	Option	Option	Option	Option
Vibration level 3 axes (ISO 28927-10) <sup>1)</sup>	m/s <sup>2</sup>	25,7	25,7	21,9	21,9	21,9	21,9	29,0	29,0
Sound power level guaranteed (2000/14/EC) <sup>1)</sup>	dB(A)	116	116	122	122	114	122	124	124
Sound pressure level (ISO 11203) <sup>1)</sup>	dB(A)	106	106	111	111	103	111	113	113
Chuck size	mm	Hex 22x82,5	Hex 22x108	Hex 22x82,5	Hex 22x108	Hex 22x108	Hex 25x108	Hex 22x108	Hex 25x108
Part number		8900 0020 01	8900 0020 02	8900 0020 17	8900 0020 13	8900 0020 14	8900 0020 16	8900 0020 20	8900 0020 22

<sup>1)</sup> Important: Full details of measurement are available in the Safety and Operating Instructions of the product (part no 9800 0901 90). It can be found on [www.cprintshop.com](http://www.cprintshop.com)

<sup>2)</sup> 31 mm drill in hard rock/concrete (use as guide only)

<sup>3)</sup> Depending on drilled material

# CP 0022, 0032 and 0069

## Applications

### CP 0022 – “Small sinker”

The CP 0022 gives a combination of light weight and power which makes it an ideal general purpose drill for:

- Works maintenance
- Public utilities
- Drilling from scaffolding

It is particularly useful where the air supply is limited and where light weight is a critical factor.



### CP 0032 – “medium sinker”

The CP 0032 is a top performer in its class. This machine is ideal for:

- Blast hole drilling
- Excavations work
- Shafts
- Quarry drilling
- Bench mining
- Road constructions.

The CP 0032 is by far the number one choice for utility companies in the US, because of its smooth design and high performance for only 25 kg and 48 l/s of air consumption.

The CP 0032 is used in the toughest quarries around the world.



### CP 0069 – “Heavy sinker”

The CP 0069 is a heavier duty machine for all rock conditions and where penetration speed is of great importance. It is hard hitting and combines high drilling speed with excellent hole cleaning ability. Typical applications:

- Blast hole drilling
- Excavations work
- Shafts
- Quarry drilling
- Bench mining
- Road constructions

The additional weight of the CP 0069 helps keep the bit on the bottom while drilling, thus demanding less from operator. For hand drilling of larger and deeper holes, choose the CP 0069.

### CP 0032 for wet drilling

The CP 0032 can be used for wet drilling. It has a heat-treated cylinder with a replaceable cylinder liner of steel. Flushing is ducted through two concentric tubes, the outer one for air and the inner one for water. This means that flushing air is provided as soon as the compressed air is switched on. The design prevents water from entering the percussion mechanism of the rock drill.

The CP 0032 WET is the same as the standard dry machines, except that it has additional inlet water port and flushing tube inside. All machines are equipped with a 20 mm (3/4”) connection for air and a 12.5 mm (1/2”) connection for water. Standard CP 0032 can be converted for wet drilling.

Conversion kits: **CP 0032** = R 147457

# Steel

CP 0009 A, AC, CS

Shank: Rd 19 x 95 mm



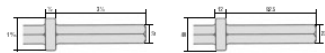
Tool type	Bit diameter	Drill depth	Total length	Part number
Plug hole drill	13 mm	200 mm	330 mm	3083 4150 00
Plug hole drill	16 mm	200 mm	330 mm	3083 4151 00
Plug hole drill	16 mm	300 mm	430 mm	3083 4151 10
Plug hole drill	16 mm	450 mm	580 mm	3083 4151 20
Plug hole drill	19 mm	200 mm	330 mm	3083 4152 00
Plug hole drill	19 mm	300 mm	430 mm	3083 4152 10
Plug hole drill	19 mm	450 mm	580 mm	3083 4152 20
Plug hole drill	22 mm	200 mm	330 mm	3083 4153 00
Plug hole drill	22 mm	300 mm	430 mm	3083 4153 10
Plug hole drill	22 mm	450 mm	580 mm	3083 4153 20
Plug hole drill	25 mm	200 mm	330 mm	3083 4154 00
Plug hole drill	25 mm	300 mm	430 mm	3083 4154 10
Plug hole drill	25 mm	450 mm	580 mm	3083 4154 20
Plug hole drill	28 mm	450 mm	580 mm	3083 4155 20
Plug hole drill	32 mm	300 mm	430 mm	3083 4156 10
Plug hole drill	32 mm	450 mm	580 mm	3083 4156 20



Tool type	Tool width	Working length	Total length	Part number
Moil point	-	150 mm	255 mm	3083 4160 00
Moil point	-	275 mm	380 mm	3083 3261 00
Narrow chisel	-	150 mm	255 mm	3083 4161 00
Narrow chisel	-	275 mm	380 mm	3083 3262 00
Wide chisel	75 mm	150 mm	255 mm	3083 4165 00

CP 0014, CP 0022

Shank: Hex 22 x 82.5 mm



Bit diameter	Length	Part number
41 mm	600 mm	715-0641,05-02
40 mm	800 mm	715-0840,05-02
40 mm	1200 mm	715-1240,05-02
39 mm	1600 mm	715-1639,05-02

CP 0022, CP 0032, CP 0069

Shank: Hex 22 x 108 mm



Bit diameter	Length	Part number
32 mm	400 mm	714-0432,05-02
35 mm	400 mm	714-0435,05-02
38 mm	800 mm	714-0838,05-02

# Accessories

## Lubricator 43, Lubricator 1300

- Applicable for mineral and synthetic oils
- Pre-mounted with claw couplings
- Ejector principle for controlled and continuous lubrication
- Intricately bent oil pick-up to assure oil supply regardless of lubricator's position
- Integrated check valve to stop oil supply when airline system is not pressurized
- Integrated regulator to adopt the amount of oil to working conditions

Description	Hose inner diameter	Air flow	Oil volume	Part no.
Lubricator 1300 - European version (1" BSP)	25 mm	15 - 140 l/s	1,3 l	8900 0050 02
Lubricator 43 - US version (1" NPT)	25 mm	15 - 140 l/s	1,3 l	8900 0050 07



## Water separator

- Minimizes water in the airline system to prevent corrosion
- Centrifugal principle to collect water from the air
- Automatic emptying of condensate

Description	Hose connection	Air flow	Part no.
European version (3/4" BSP)	20 mm	max. 61 l/s	8900 0050 00
US version (3/4" NPT)	20 mm	max. 61 l/s	8900 0050 01



## Red-X flat hoses

- Lower weight compared to conventional rubber hoses
- Flat & flexible when not pressurized which makes it easy to handle & set-up
- High burst pressure & tensile strength

Hose rolls					
Inner diameter	Hose roll length	Max. working pressure	Burst pressure	Thickness	Part no.
19 mm	60 m	20 bar	100 bar	2,0 mm	8900 0050 10
25 mm	60 m	20 bar	100 bar	2,5 mm	8900 0050 20

Pre-mounted hoses with claw couplings & hose clamps			
Description	Inner diameter	Length	Part no.
European claw couplings	19 mm	20 m	8099 0050 09
European claw couplings	25 mm	20 m	8900 0050 23
US claw couplings	19 mm	15 m	8900 0050 08
US claw couplings	25 mm	15 m	8900 0050 24



## CP Airolene Plus Rock Drill Oil

- Readily biodegradable
- Good wear & corrosion protection properties
- Good reduction of scoring & abrasion
- Low sensitivity against temperature changes

Description	Oil volume	Part no.
4 l container	4 l	8900 0050 02
4 x 4 l container	16 l	8900 0050 07





Since 1901 the Chicago Pneumatic name has represented reliability and attention to customer needs, with construction, maintenance and production tools and compressors designed for specific industrial applications. Today, Chicago Pneumatic has a global reach, with local distributors around the world.

Our people start every single day with a passion to research, develop, manufacture and deliver new products that are meant to meet your needs not only today, but tomorrow as well. To learn more, visit [www.cp.com](http://www.cp.com).

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