

# Chicago Pneumatic Construction Tools



**Chipping Hammers, Clay Diggers,  
Demolition Picks and Busters**

**Built to last**

# Hammers, Picks and Clay Diggers

## Key features

Chicago Pneumatic, the leading brand of air tools in the US now offers an extensive range of pneumatic hammers for international markets outside the US. The current products that suit a wide range of industrial, construction and mining applications have been further extended to offer the most

comprehensive range available today. Proudly introducing the CP12 and CP16, new 5 and 8 kg chipping hammers and the FL22 (10 kg), CP now offers international markets the right tool with the right chisel standards for all applications.



CP 0012 handle based on the famous CP 0009 design



CP 0016 four bolt flange for increased durability, strength and ease of service



CP 0012 and CP 0016 slim and light retainers



CP 0222 retainer latch



CP 0222 precise throttle action

## 5 kg – Light Chipping

### CP 0012

- Optimum power-to-weight ratio for a good balance between hitting power and easy handling
- Straight-forward design for easy maintenance and repair
- Handle design similar to the famous CP9
- Teasing throttle and air cushioned piston to give the operator precise control



- Rugged construction with hardened steel cylinder
- Slim and light screw-on retainer for Hex 19x50 mm moil points and chisels

## 8 kg – Medium-duty Chipping

### CP 0016

- Four high strength 1/2" bolt-locking mechanism
- "D" handle with outside trigger and extra safety mechanism
- Simplate valve for smooth operation
- Strong and reliable



- Slim and light screw-on retainer for Hex 19x50 mm moil points and chisels

## 10 kg – Demolition and clay digging



### CP 0222

- High power to weight ratio
- High work rate and all-round robustness make it a first choice for rental business
- Choice of handle: "D" handle with inside trigger or with outside trigger
- Latch retainer



### FL 0022

- Very powerful blow at relatively low frequency (1300 bpm)
- Special features for mining applications inc. machined barrel, exhaust port at top of barrel and high quality valve for regular blow and less blockage in dirty air environment
- Low air consumption: 33 cfm (15 l/sec)
- Slim design with machined barrel and screw-on retainer to work in tight spaces

## 12 kg – Hard concrete – tunnelling pick

### FL 0025

- Same robust design and construction as the FL 22, but with a longer cylinder stroke, special valve and heavier piston for more power
- Low frequency blow (1100 bpm), 4" (100 mm) cylinder stroke
- Nose cone retainer and bushing for good control of 1" (25 mm) round demolition steels (moil points and narrow chisels only)



- Hardened steel components and machined barrel for all-round robustness

# For all tough jobs in the construction and mining industry



## CP 0012 – Light Chipping Hammer

The CP12 is the new addition to the CP range of pneumatic hammers for light chipping and scaling duties. Since the CP12 is light and has a high blow frequency, it is very easy to handle and control for more precise jobs. Typical applications include alteration work, hole making and trimming.

## CP 0016 – Chipping Hammer

The CP16 is the European version of the CP4130, which is used predominately in the US market in the 8 kg category. The hammer fills the gap between the lighter chipping hammers available on the market like the CP12 (5 kg) and the heavier demolition hammers in the 10 to 12 kg weight such as the CP222. The CP16 is typically used for medium duty to heavy duty chipping, cutting and trimming applications as well as stone mining.

## CP 0222 – Demolition Pick

The CP222 is CP's best seller for rental outlets worldwide. It is light and slim but gives you a lot of power to do a wide range of applications such as demolition, heavy-duty chipping and cutting operations.

## FL 0025 – Tunnelling Pick

The FL25, also known as the "CP Jigger" in the UK, has been developed specifically for tunnelling and heavy demolition work. It has a very powerful blow, which combined with its low blow rate makes it ideal for hard concrete demolition, pile capping or rock breaking.

## FL 0022

- Demolition pick with Hex 22 mm (7/8") chuck: With a long stroke and powerful hit, the FL22 is particularly suitable for working with relatively hard concrete for demolition work, pile-capping or bridge deck work.
- Clay digging with Square 19 mm (3/4") variant: The FL22 clay digger is the No. 1 hammer for soft tunneling, mining and underpinning applications in the UK. It is the ideal tool for any operation that involves the digging of soil and soft ground. The exhaust port is at the top of the barrel so it can be buried almost to the handle. The FL22 is also used without silencer for tunneling and underground mining, making it a very slim and easy tool to handle.
- Mining or tunnelling applications: When breaking hard rocks in tunnels or mines, the FL22 delivers one of the most powerful blows in its weight class. With its machined barrel, hardened steel construction and high quality components, the FL22 is a very robust air tool, specially made to endure tough working environments, such as mines.

## CP 4123, CP 4125 and CP 4130 Chipping Hammers

A complete range of sixteen chipping hammers is also available with US standard shanks:

- 2", 3" and 4" stroke versions available
- Weight from 6 to 8 kg
- The most popular hammer design in the US

For more information on these US hammers, please refer to brochure number 9800 0495 93a.



CP 4123, CP 4125 and CP 4130 brochure (no. 9800 0495 93a)

Model	Chuck size (mm)	Weight (Kg)	Length (mm)	Blows per minute (bpm)	Air consumption (l/s) (cfm)	Cylinder stroke (mm) (in)	Air inlet (in)	Retainer type	Handle type	Part no.
CP 0012	Hex 19x50	5	410	2600	9,5 20	50 2	3/8" BSP	Screw-on	"D" handle-Inside trigger	8900 0001 01
CP 0016	Hex 19x50	8	420	1900	12 26	75 3	3/8" BSP	Screw-on	"D" handle-Outside trigger	8900 0001 32
CP 0222 CHITBS	Hex 22x82.5	10	495	1700	19 40	86 3,5	3/4" BSP	Latch	"D" handle-Inside trigger	8900 0001 22
CP 0222 CHOTBS	Hex 22x82.5	10	495	1700	19 40	86 3,5	3/4" BSP	Latch	"D" handle-Outside trigger	8900 0001 23
FL 0022 (un-silenced)	Sq. 19x82	10	495	1300	15 33	86 3,5	3/4" BSP	Screw-on	"D" handle-Outside trigger	8900 0001 24
FL 0022 S	Sq. 19x82	10,5	495	1300	15 33	86 3,5	3/4" BSP	Screw-on	"D" handle-Outside trigger	8900 0001 25
	Hex 22x82.5	10,5	515	1300	15 33	86 3,5	3/4" BSP	Screw-on	"D" handle-Outside trigger	8900 0001 31
FL 0025 S	Rnd 25x75	12	571	1100	20 42	100 4	3/4" BSP	Screw-on cone	"D" handle-Outside trigger	8900 0001 26



"D" handle



Pistol grip handle



Special Boyer valve



New polyurethane bumper (P072334) and lower sleeve (P072333)

# Busters

## Key features

Originally designed for cutting and forming metal rivets, the CP buster is now used for concrete demolition and has become one of the stars of the CP range. It has a low blow rate with the very high power output

equivalent to a T-handle breaker of twice its weight. The new "V" series includes a stepped piston and step cylinder to prevent accidental ejection of the piston.



**CP 4181 PULER**



**CP 4181 DULER**



**CP 4181 PUSER**



**CP 4181 DUSER**

- Teasing throttle for progressive hitting frequency gives better control of such a powerful machine
- Special Boyer valve makes the cylinder stroke effectively longer for more hitting power
- Boyer valve's high quality design makes the blow more consistent
- Forged steel handle for long life in rugged conditions
- Stepped piston of hardened steel
- New buffer ring is now made of polyurethane for extra durability
- Stepped piston to prevent accidental ejection of the piston
- Choice of cylinders:
  - 11" (280 mm) cylinder (720 bpm)
  - 8" (200 mm) cylinder (1080 bpm)
- Choice of handle:
  - Pistol grip with outside trigger
  - "D" handle with inside trigger

With each buster, it is recommended that you also purchase these additional consumable items: a polyurethane bumper (P072334), lower sleeve (P072333) and retainer spring (P073942).



With new stepped piston design and step cylinder, this CP 4181 model "V" replaces the industry standard CP 4181 model "A" rivet buster.

Part no.	Model	Weight (kg)	Blows per minute (bpm)	Cylinder stroke (mm) (in)	Length (mm)	Air consumption (l/s) (cfm)	Air inlet (in)	Chuck size (Jumbo Shank) (mm)	Handle	Cylinder
8900 0001 27	CP 4181 PUSER	14	1080	200 8	584	17 38	3/8	22.6 x 28.5 Taper	Pistol grip-Outside trigger	Short cylinder
8900 0001 28	CP 4181 PULER	15	720	280 11	660	18 40	3/8	22.6 x 28.5 Taper	Pistol grip-Outside trigger	Long cylinder
8900 0001 29	CP 4181 DUSER	14.5	1080	200 8	584	17 38	3/8	22.6 x 28.5 Taper	"D" handle-Inside trigger	Short cylinder
8900 0001 30	CP 4181 DULER	15.5	720	280 11	660	18 40	3/8	22.6 x 28.5 Taper	"D" handle-Inside trigger	Long cylinder

# For both metal and concrete applications

There is no hammer with more hitting power per kg than a CP rivet buster – even a T-handle breaker will need to be at least twice as heavy to impact with an equivalent blow. This super-power can still be controlled thanks to low blow frequency and teasing throttle – that’s why the CP rivet buster is one of the favorite tools of demolition contractors in the US.

Users have discovered many new applications for rivet busters for working in both concrete and steel. No longer is the buster used exclusively by iron workers for forming and cutting rivets, but it has now found its way into the hands of operators who need the most powerful tool for the job.



## Concrete applications

- Bridge deck work, where weight of breakers is restricted
- De-capping foundation pillars, where concrete is very hard
- Medium to heavy concrete demolition
- As an alternative to paving breakers where high hitting power is required but applied in a restrained space or working horizontally

## Metal applications

- Cutting and removing large rivets and bolts with narrow chisels and backout punch, or other special steel and accessories
- Cutting 3/4" (5 mm) metal tanks or plates with ripper chisel
- Industrial applications such as in foundries or the petrochemical industry

## Special steels for rivet busters

Due to its extreme hitting power, special steels must be used with rivet busters. All CP 4181 use Jumbo Shank accessories (see catalog 9800 0362 93).

Buster special tools *	Length, mm (in)	Part no.
Moil Point	305 mm (12")	3083 4140 10
Narrow chisel	305 mm (12")	3083 4141 10
Cutting (loose rivets)	305 mm (12")	3083 4142 10
Cutting (Tight rivets)	305 mm (12")	3083 4145 10
Drift Pin Driver	190 mm (7 1/2")	3083 4143 00
Ripper	230 mm (9")	3083 4144 00

	Rivet size, mm (in)	Length, mm (in)	Part no.
Backout punch	12.5 mm (1/2")	250 mm (9 3/4")	3083 4147 00
	16 mm (5/8")	250 mm (9 3/4")	3083 4147 10
	20 mm (3/4")	240 mm (9 1/2")	3083 4147 20
	20 mm (3/4")	300 mm (12")	3083 4147 30
	22 mm (7/8")	240 mm (9 1/2")	3083 4147 40
	22 mm (7/8")	305 mm (12")	3083 4147 50
	25 mm (1")	240 mm (9 1/2")	3083 4147 60
	25 mm (1")	305 mm (12")	3083 4147 70

\* More choice of steel lengths in catalog 9800 0362 93.

## Consumables and accessories

Consumables and accessories for CP 4181 busters

Description	Part no.
Lower sleeve	P 072 333
Polyurethane bumper	P 072 334
Retainer spring (standard)	P 073 942
Retainer spring (polyurethane)	P 135 248
Upper sleeve	P 156 988

Model "A" to "V" conversion kit *	Part no.
Conversion kit for PULER and DULER	R 158 435
Conversion kit for PUSER and DUSER	R 158 436

\* Inc. stepped cylinder, stepped piston and upper sleeve.



Special Jumbo Shank steel accessories for rivet busters



Lower sleeve, Polyurethane bumper and standard retainer spring



Conversion kit from model "A" to model "V"



New Vibration Reduction Assembly



Stronger components and lower vibration levels



CP17 SVR and FL22 SVR "quick-change" retainers



CP17 SVR and FL22 SVR "quick-change" retainers

# New range of vibration reduced hammers

At Chicago Pneumatic, we have worked hard to develop a design that would reduce vibration but not the performance of the tool. CP's first vibration reduced machines proved to be suitable for relatively light industrial applications but not robust enough for construction work. After further design work, we are now proud to launch a new

range of three vibration-reduced hammers for chipping, demolition and clay digging applications. These three new tools include a brand new vibration isolator unit but keep the key features of the original CP tools: robustness and good handling, without sacrificing hitting power.

## CP 0017 SVR

- Brand new isolator assembly unit: more reliable, easily maintained and lower vibration levels
- 2.6 m/s<sup>2</sup> vibration level (in accordance to ISO 8662-5)
- Closed grip "D" handle for maximum effectiveness and operator comfort
- Hardened steel piston and cylinder for durability. Aluminum handle to reduce tool weight
- Classic simplate valve design provides smooth operation and reliability



- Air inlet with built-in screen filter, positioned to improve tool balance
- Retainer option: Off-centered retainer for quick change of chisels (part number C 8792840)

## FL 0022 SVR

- Brand new isolator assembly unit: more reliable, easily maintained and lower vibration levels
- 4.7 m/s<sup>2</sup> vibration level (in accordance to ISO 8662-5)
- Relatively slow (1300 bpm) but powerful hit
- Low air consumption: 33 cfm (15 l/sec)
- Teasing throttle with outside trigger for optimum control
- Slim design for work in tight spaces
- Special features for mining applications inc. machined barrel, exhaust port at top of barrel and high quality valve for regular blow and reduced blockage in dirty air environment



- Choice of chucks: Hex 22 mm (7/8") or Square 19mm (3/4")
- Retainer option: Off-centered retainer for quick change of chisels (part number C 8793427)

## FL 0025 SVR

- Brand new isolator assembly unit: more reliable, easily maintained and lower vibration levels
- Same robust design and construction as FL22 but longer cylinder stroke, special valve and heavier piston for more power
- Low frequency blow (1100 bpm), 4" cylinder stroke (100 mm)



- Nose cone retainer and bushing for good control of 1" (25 mm) round demolition steels (moil points or narrow chisels only)

Model	Variant	Chuck size (mm)	Weight (kg)	Length (mm)	Blows per minute (bpm)	Air consumption (l/min) (cfm)	Vibration level (ISO 8662-5) (m/s <sup>2</sup> )	Cylinder stroke (mm) (in)	Air inlet (in)	Retainer type	Part no
CP 0017 SVR	3H19	Hex 19x50	8	514	1900	12 26	2.6	76 3	1/2" BSP	Screw-on	8900 0001 35
CP 0017 SVR	3R	Rnd .680" (US STD)	8	514	1900	12 26	2.6	76 3	1/2" NPT	Screw-on	8900 0001 36
CP 0017 SVR	3H	Hex .580" (US STD)	8	514	1900	12 26	2.6	76 3	1/2" NPT	Screw-on	8900 0001 37
FL 0022 SVR	-	Hex 22x82.5	12	625	1300	15 33	4.7	86 3,5	3/4" BSP	Screw-on	8900 0001 38
FL 0022 SVR	-	Sq. 19x82	12	625	1300	15 33	4.7	86 3,5	3/4" BSP	Screw-on	8900 0001 39
FL 0025 SVR	-	Rnd 25x75	14	711	1100	20 42	7.6	104 4	3/4" BSP	Screw-on cone	8900 0001 40

# Same power – less vibration

Since the power output of the CP vibration reduced tools has not been reduced, the same work can be done with the CP17 SVR, FL22 SVR and FL25 SVR as with the equivalent non-vibration reduced CP tools i.e. CP16, FL22S and FL25S.

Operators find the CP SVR tools more comfortable and easy to handle especially when working on very hard concrete, since the isolator assembly absorbs a lot of the back pressure, giving you better control of the tool.



## CP 0017 SVR Chipping Hammer

- In the construction industry, the CP17 SVR is ideal for chipping duties and light demolition jobs: repair and “refurb” work on concrete, stone and brickwork.
- In the industrial sector, the CP17 SVR is also suitable for maintenance and light demolition jobs in foundries, power plants, shipyards and refineries. On assembly lines in fabrication shops, the CP17 SVR is very much appreciated since it reduces exposure to vibrations.

## FL 0025 SVR heavy demolition and tunnelling pick

The FL25 has been developed specifically for hard concrete demolition, pile-capping or rock breaking. The FL25 SVR has the same slow blow rate and very high-energy impact as the standard non-vibration-reduced version but offers significantly lower vibration levels. Its design is based on the the FL22, with the same handle, high quality components and strong construction but it has a longer barrel, heavier piston, a nose-cone retainer and is bushed to use stronger 1” (25 mm) round shank demolition steels.

## FL 0022 SVR for demolition, clay digging and mining applications

- Demolition pick with Hex 22 mm (7/8”) chuck: With a relatively slow but powerful hit, the FL22 is particularly suitable for working with relatively hard concrete for demolition work, pile-capping or bridge deck work.
- Clay digging with Square 19 mm (3/4”) chuck: The FL22 SVR clay digger is a vibration-reduced version of the original FL22 clay digger which is the no 1 for soft tunneling, mining and underpinning applications in the UK. It retains most of the original features of the FL22 giving the same performance whilst lowering the vibration levels. It is the ideal tool for any operation that involves clay digging and the digging of soft ground.
- Mining or tunnelling applications: When breaking hard rocks in tunnels or mines, the FL22 offers one of the most powerful hits in its weight class. With its machined barrel, hardened steel construction and high quality components, the FL22 is a very robust air tool, especially made to endure tough working environments, such as mines.



**Vibration  
Reduction  
Technology**  
by Chicago Pneumatic



Moil point

# Moil points and chisels

Use the most effective steel for your application. Shown here are a selection of the most common types of steel, moil points and chisels used for the hammers presented in this brochure. For the complete choice of tools accessories, see catalogue 9800 0304 01.



Narrow chisel

## Hex 19x50mm (3/4"x 2") for CP 0012, CP 0016, CP 0017 SVR

Part Number	Description	Tip width mm	Length mm	Weight kg
3083 3220 00	Moil Point		240	0,8
3083 3221 00	Moil Point		440	1,3
3083 3222 00	Narrow Chisel	22	240	0,8
3083 3223 00	Narrow Chisel	22	440	1,3
3083 3224 00	Wide Chisel	60	190	0,9
3083 3225 00	Shaft For Bush Ham.		170	0,9
3083 3226 00	Bushing tool	40x40	9 teeth	0,5
3083 3227 00	Bushing tool	40x40	16 teeth	0,5



Wide chisel

## Hex 22x82.5mm (7/8"x 3 1/4") for CP 0222, FL 0022, FL 0022 SVR

3083 3242 00	Moil Point		380	1,5
3083 3243 00	Moil Point		1000	4,5
3083 3244 00	Narrow Chisel	25	380	1,5
3083 3245 00	Narrow Chisel	25	1000	4,5
3083 3246 00	Wide Chisel	75	380	2,5
3083 3069 00	Asphalt Cutter	125	380	3,2
3083 3247 00	Digging Chisel	75	380	3,4
3083 3248 00	Digging Spade	120	380	3,2
3083 3249 00	Clay Spade	125	430	3,3
3083 3250 00	Wedge Chisel	35	380	3,5
3083 3251 00	Shaft For Pad		310	1,3
3083 3252 10	Tamping Pad, Round	175 Dia		7,5
3083 3239 00	Tamping Pad, Square	175sq		6
9245 2817 90	Driver Pad, Round	100		2,5



Wide chisel

## Square 19x82.5 mm (3/4"x 3 1/4") for FL 0022, FL 0022 SVR

3083 4170 00	Moil Point		330	1.4
3083 4170 10	Narrow Chisel		330	1.4
3083 4170 20	Clay Spade	100x165	350	2.4
3083 4170 30	Clay Spade	125x205	400	3.1

## Round 25x75mm (1"x 3") for FL 0025, FL 0025 SVR

3083 3265 00	Moil Point		330	1,6
3083 3266 00	Narrow Chisel	25	330	1,6



Bushing tool

## Over 100 years of experience

Chicago Pneumatic Tool Company has been designing, manufacturing and selling pneumatic tools since 1901. Today we offer a wide range of products including pneumatic and hydraulic breakers, clay diggers, picks and busters, scabblers, rock drills, rotary and chipping hammers, sump and sludge pumps, and a whole lot more. Having started up in the city that shares our name, Chicago Pneumatic is now a global company, with sales organizations around the world.

For more information contact:



For other CP chipping hammers with US standard chucks such as **CP 4123**, **CP 4125** and **CP 4130** please refer to brochure no. 9800 0495 93a or [www.cp.com](http://www.cp.com)

