



Chicago Pneumatic

This section describes types of hammers manufactured by Chicago Pneumatic. Applicability of different tools and accessories is dependent on the specific operating environment, and must be properly prescribed to promote tool 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 presentation, please call your local dealer for assistance.

Ergonomic Features

Chicago Pneumatic Hammers have all the advantages of advanced ergonomics...with the features required to enhance the physical and mental well-being operators need to achieve increased productivity levels.

- Complete line – designed for maximum productivity in a broad range of applications.
- Air powered – flow of air through tool keeps air hammers cool to the touch; won't overheat.
- Powerful, yet compact and lightweight – designed for operator comfort.
- Wide variety of accessories available – extends versatility of the tool.
- Vibration reduction options – provide operator comfort and reduce fatigue.

Other Features

- Rugged construction – withstands tough use.
- Heat-treated internal parts – keep tool on the job; minimize repairs.

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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.

Chicago
Pneumatic**Simplplate Valve Chipping Hammers -
with Air "Lockout" Mechanism and Vibration Isolation****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 1" through 4" 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 vibration isolation system – reduces both high and low frequency vibration transmitted to the operator, without compromising total 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
- 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
- Redesigned simplplate 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 1", 2", 3" and 4" stroke lengths – allows operator to match tool to job requirements
- Choice of round and hex bushings – match tool to chisel style

All Models: Closed grip handle with self-closing inside trigger; 1/2" (NPTF) air inlet thread; air consumption at 90 psi, 23-27 cfm.

Catalog 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)

Standard Equipment:

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

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

Chicago
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Chipping Hammers

CP-4123

Applications: This heavy-duty tool is designed for rugged use in foundries, fabrication shops and construction applications. The tool is available in 1" through 4" 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" (NPTF) air inlet thread; air consumption at 90 psi, 23 - 27 cfm.

CP-4125-PY

Applications: This heavy-duty tool is designed for rugged use in foundries, shipyards, refineries, fabrication shops and construction applications. Available in 1" through 4" 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

Catalog 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.

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Chipping Hammers (continued)

CP-4125-PA

Applications: This heavy-duty tool is designed for rugged use in foundries, shipyards, refineries, fabrication shops and construction applications. Available in 1" through 4" stroke versions to offer the power levels necessary for a variety of uses from light and medium chipping and trimming through heavy cutting.

Features

- Ring valve – hard-hitting hammers which perform well in dirty environments
- 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



CP-4125-PALA

All Models: $\frac{3}{8}$ " (NPTF) air inlet thread; air consumption at 90 psi, 23-27 cfm. Pistol grip handle with self-closing outside trigger.

Catalog Number	Part Number	Bore and Stroke mm (in.)	Blows per Minute	Chisel Bushing mm (in.)	Overall Length* mm (in.)	Net Weight* kg (lb.)
CP-4125-PALA	T020807	28.6 x 51 (1 $\frac{1}{8}$ x 2)	2100	17.3 (.680) Round	337 (13 $\frac{1}{4}$)	5.9 (13)
CP-4125-PALE	T021298	28.6 x 51 (1 $\frac{1}{8}$ x 2)	2100	14.7 (.580) Hex.	337 (13 $\frac{1}{4}$)	5.9 (13)
CP-4125-PAMA	T020808	28.6 x 76 (1 $\frac{1}{8}$ x 3)	1860	17.3 (.680) Round	362 (14 $\frac{1}{4}$)	6.5 (14 $\frac{1}{4}$)
CP-4125-PAME	T021299	28.6 x 76 (1 $\frac{1}{8}$ x 3)	1860	14.7 (.580) Hex.	362 (14 $\frac{1}{4}$)	6.5 (14 $\frac{1}{4}$)
CP-4125-PANA	T020809	28.6 x 102 (1 $\frac{1}{8}$ x 4)	1620	17.3 (.680) Round	394 (15 $\frac{1}{2}$)	6.9 (15 $\frac{1}{4}$)
CP-4125-PANE	T021300	28.6 x 102 (1 $\frac{1}{8}$ x 4)	1620	14.7 (.580) Hex.	394 (15 $\frac{1}{2}$)	6.9 (15 $\frac{1}{4}$)

Standard Equipment: All Models

Economy retainer, P107243 – accepts oval collar chisels

Wire retainer spring, P070994

Optional Equipment: All Models

Hose swivels and chisel retainers.

Chicago
Pneumatic**Simplat Valve Chipping Hammers-
with Air "Lockout" Mechanism**

CP-4127

Applications: These heavy-duty chipping hammers feature a unique air "lockout" mechanism, and are designed for rugged use in foundries, shipyards, fabrication shops and construction applications.

Available in 1" through 4" stroke versions to offer the power levels necessary for a variety of uses including light and medium chipping and trimming to heavy-duty cutting.

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



CP-4127-3-RO

All Models: Closed grip handle with self-closing inside trigger; 1/2" (NPTF) air inlet thread; air consumption 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 simplat 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 1", 2", 3" and 4" stroke lengths – allows operator to match tool to job requirements
- Choice of round and hex bushings – match tool to chisel style

Catalog 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)

Standard Equipment:

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

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Chipping Hammers (continued)

CP-4129 Series

The CP-4129 Series Chipping Hammer has been designed to tackle punishing jobs with the hard hitting power you've come to expect from Chicago Pneumatic. Everything about the CP-4129 is heavy-duty; from the steel handle flange to the cylinder. The CP-4129 Series Chipping Hammer is used for medium to heavy-duty chipping, cutting and trimming operations.

Features

- Steel 4-bolt flange for increased durability and strength, plus ease of serviceability
- Alloy steel piston, cylinder and forged handle for extra strength
- Four bolt design high strength 1/2" bolts
- Positive spring lock retainer for oval collar steel
- "D" handle with outside trigger ("OT")
- Precise teasing throttle for maximum control
- Simplate valve for smooth powerful operation
- Rotatable muffler allows exhaust to be directed away from the operator
- Choice of round ("R") or hex ("H") chuck bushing
- Available in 2", 3" and 4" stroke lengths, meeting most job requirements



CP-4129-4-HOT

All Models: 1 1/8" bore; 1/2" NPTF threaded air inlet; 23 - 30 cfm at 90 psi air consumption

Model	Part Number	Stroke mm (in.)	Blows per minute	Chuck Bushing mm (in.)	Length mm (in.)	Net Weight kg (lb.)
CP-4129-2-ROT	T025141	51 (2)	2400	17.3 (.680) Round	394 (15 1/2)	8.6 (19)
CP-4129-2-HOT	T025142	51 (2)	2400	14.7 (.580) Hex.	394 (15 1/2)	8.6 (19)
CP-4129-3-ROT	T025139	76 (3)	1920	17.3 (.680) Round	445 (17 1/2)	9.5 (21)
CP-4129-3-HOT	T025140	76 (3)	1920	14.7 (.580) Hex.	445 (17 1/2)	9.5 (21)
CP-4129-4-ROT	T025137	102 (4)	1500	17.3 (.680) Round	476 (18 3/4)	10.1 (22)
CP-4129-4-HOT	T025138	102 (4)	1500	14.7 (.580) Hex.	476 (18 3/4)	10.1 (22)



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Accessories

Shanks for CP-4121, CP-4123, CP-4125, CP-4127, CP-4129

		Part Number			
		For Tools with Retainer			
		680 Round (Round Collar)	.580 Hex (Round Collar)	.680 Round (Oval Collar)	.580 Hex (Oval Collar)
Style Chisel <i>(See point illustrations below)</i>					
	Overall Length mm (in.)				
Chisel Blanks	203 (8) 305 (12)	-	-	P092292 P092293	P092296 P099297
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



Economy-type Retainer
P107243



Quick Change Retainer
P114062

Muffler Assembly for CP-4123 and CP-4125

Muffler P-125052

Retainers for CP-4121 & CP-4127



Oval Collar "H" Version
P145545



Oval Collar "R" Version
P144441



A.T. Lug-type Retainer
P092869



Ball-type Safety Retainer
P137735



Round Collar
"R" or "H" Version
P144137

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