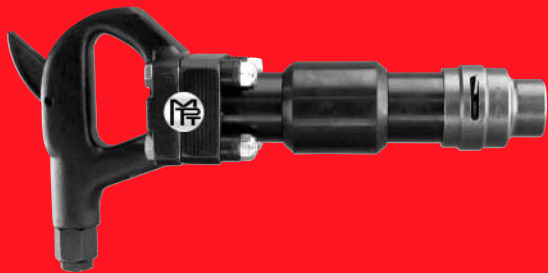


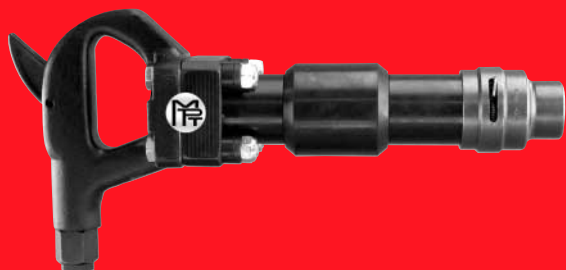
Pick & 4-Bolt Chipping Hammers



Michigan Pneumatic **Model MP-CH2H - Hex**
Model MP-CH2R - Round
Heavy-Duty Chipping Hammer

Four bolt design eliminates handle breakage. Includes chisel retainer and chisel retainer spring. **Aluminum handle model available. Most parts interchangeable with Sullair CH series chipping hammers.**

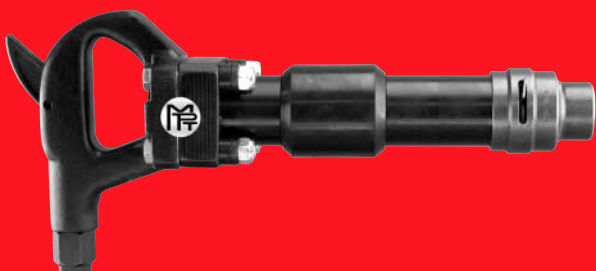
Blows Per Minute	2300	Length	14"
Stroke	3"	Weight	17 lbs.
Bore	1-1/8"	Air Inlet Thread	1/2"
Shank Diameter:	.580H/.680R	Avg. Air Consumption:	26 cfm



Michigan Pneumatic **Model MP-CH3H - Hex**
Model MP-CH3R - Round
Heavy-Duty Chipping Hammer

Four bolt design eliminates handle breakage. Includes chisel retainer and chisel retainer spring. **Aluminum handle model available. Most parts interchangeable with Sullair CH series chipping hammers.**

Blows Per Minute	2100	Length	15-1/4"
Stroke	3-3/4"	Weight	18.5 lbs.
Bore	1-1/8"	Air Inlet Thread	1/2"
Shank Diameter:	.580H/.680R	Avg. Air Consumption:	30 cfm



Michigan Pneumatic **Model MP-CH4H - Hex**
Model MP-CH4R - Round
Heavy-Duty Chipping Hammer

Four bolt design eliminates handle breakage. Includes chisel retainer and chisel retainer spring. **Aluminum handle model available. Most parts interchangeable with Sullair CH series chipping hammers.**

Blows Per Minute	1700	Length	16-1/2"
Stroke	4-1/4"	Weight	19.5 lbs.
Bore	1-1/8"	Air Inlet Thread	1/2"
Shank Diameter:	.580H/.680R	Avg. Air Consumption:	33 cfm



Chicago Pneumatic **Model CP-4100-3H - Hex**
Pick Hammer

Powerful, lightweight tool is ideal for use in horizontal and overhead demolition of concrete, stone and masonry structures. Also well suited for metal removal in foundries, petro-chemical plants, fabrication shops and shipyards. Features a simplate valve for smooth, powerful operation. **Uses round collar .580 hex shank moil points and narrow chisels only.**

Blows Per Minute	2500	Length	15"
Stroke	3-1/2"	Weight	6.125 lbs.
Bore	3/4"	Air Inlet Thread	3/8"
Shank Diameter:	.580 Hex	Avg. Air Consumption:	16 cfm



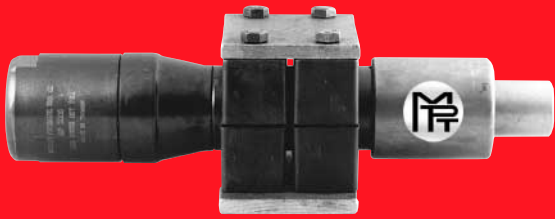
Chicago Pneumatic **Model CP-4100-2H - Hex**
Model CP-4100-2R - Round
Pick Hammer

Ideal for metal removal in foundries, petro-chemical plants, fabrication shops and shipyards. Features a simplate valve for smooth, powerful operation. **Uses round collar moil points and narrow chisels only.**

Blows Per Minute	3000	Length	13"
Stroke	2-1/2"	Weight	5.25 lbs.
Bore	3/4"	Air Inlet Thread	3/8"
Shank Diameter:	.580H/.680R	Avg. Air Consumption:	16 cfm

See pages 98-99 for chipping hammer accessories.

Retainer Type Chipping Hammers



Michigan Pneumatic Model MP-3000C-U Core Knock-Out Tool

Designed to remove or rattle sand, shell cores or molds from castings. Equipped with anvil, retainer and mounting brackets.
300016 Mounting Bracket Complete

Blows Per Minute	1700	Length w/Retainer	14"
Stroke	3"	Weight w/Mount	21.75 lbs.
Bore	1-1/8"	Air Inlet Thread	3/8"



Michigan Pneumatic Model MP-1100R - Round Model MP-1100H - Hex Retainer Chipping Hammers

Lightweight, durable, medium-duty tools designed for cleaning castings, bushing concrete, and cutting or chipping masonry materials of all types. Ideal for shipyards, foundries and contractors. **Parts are interchangeable with CP-9362, 3 and 4 series chippers. Please specify hex or round shank.**

Blows Per Minute	2800	Length w/Retainer	13-1/2"
Stroke	1"	Weight w/Retainer	13.5 lbs.
Bore	1-1/8"	Air Inlet Thread	3/8"



Michigan Pneumatic Model MP-2200R - Round Model MP-2200H - Hex Retainer Chipping Hammers

Ideal for overhead chipping on bridges and parking decks. Teasing trigger allows operator to bead boiler tubing with extreme accuracy. Very powerful for its size. Plate valve delivers powerful blows. **Parts are interchangeable with CP-9362, 3 and 4 series chippers. Please specify hex or round shank.**

Blows Per Minute	2150	Length w/Retainer	15-1/2"
Stroke	2"	Weight w/Retainer	14.5 lbs.
Bore	1-1/8"	Air Inlet Thread	3/8"



Michigan Pneumatic Model MP-3300R - Round Model MP-3300H - Hex Retainer Chipping Hammers

Ideal for medium to heavy-duty chipping jobs. Great for paper stripping and weld destruct applications. Heat treated pistons and barrels resist wear and add longevity. **Parts are interchangeable with CP-9362, 3 and 4 series chippers. Please specify hex or round shank.**

Blows Per Minute	1900	Length w/Retainer	16-1/4"
Stroke	3"	Weight w/Retainer	15.5 lbs.
Bore	1-1/8"	Air Inlet Thread	3/8"



Michigan Pneumatic Model MP-4400R - Round Model MP-4400H - Hex Retainer Chipping Hammers

Features a cast steel handle for long life and operator comfort. Designed for heavy-duty jobs where power and reliability are a must. Great for demolition, riveting and cutting steel. **Parts are interchangeable with CP-9362, 3 and 4 series chippers. Please specify hex or round shank.**

Blows Per Minute	1500	Length w/Retainer	18-1/4"
Stroke	4"	Weight w/Retainer	16.75 lbs.
Bore	1-1/8"	Air Inlet Thread	3/8"

See pages 98-99 for chipping hammer accessories.



To meet OSHA standards, government regulations specify that retainers shall be used to prevent tools from being accidentally expelled. These chipping hammers retain the chisel in the tool to eliminate the need for the operator to hold the chisel while in

operation and prevent it from falling out when the tool is not in use. **Michigan Pneumatic retainers and accessory parts are recommended for the best guarantee of fast, efficient work.**

All chipping hammers on pages 96-97 are equipped with #1190-MPT1 retainer and #1194-2 retainer spring.



Michigan Pneumatic Model MP-100CR-RET - Round Retainer Chipping Hammers
Model MP-100CH-RET - Hex

Powerful, lightweight tools available in four sizes for chipping, beading, cleaning castings, cutting, and roughening concrete and masonry. Designed for rugged use in any application. **Parts are interchangeable with Chicago Pneumatic Simplate chippers. Please specify hex or round shank.**

Blows Per Minute	2800	Length w/Retainer	13-3/4"
Stroke	1"	Weight w/Retainer	13.75 lbs.
Bore	1-1/8"	Air Inlet Thread	3/8"



Michigan Pneumatic Model MP-200CR-RET - Round Retainer Chipping Hammers
Model MP-200CH-RET - Hex

Excellent for chipping, scaling, cleaning work on castings, billets and paper box stripping. Smooth throttle characteristics, easy to hold, powerful for its size. Simplate valve design provides excellent controllability. **Parts are interchangeable with Chicago Pneumatic Simplate chippers. Please specify hex or round shank.**

Blows Per Minute	2200	Length w/Retainer	14-1/2"
Stroke	2"	Weight w/Retainer	14.75 lbs.
Bore	1-1/8"	Air Inlet Thread	3/8"



Michigan Pneumatic Model MP-300CR-RET - Round Retainer Chipping Hammers
Model MP-300CH-RET - Hex

Deliver fast, powerful blows and produce maximum energy with minimal tool weight for medium to extra heavy-duty chipping. Virtually trouble free Simplate valve design. Rugged design for all heavy-duty chipping applications. **Parts are interchangeable with Chicago Pneumatic Simplate chippers. Please specify hex or round shank.**

Blows Per Minute	1700	Length w/Retainer	16-1/2"
Stroke	3"	Weight w/Retainer	16.5 lbs.
Bore	1-1/8"	Air Inlet Thread	3/8"



Michigan Pneumatic Model MP-400CR-RET - Round Retainer Chipping Hammers
Model MP-400CH-RET - Hex

Streamlined design for heavy riveting, chipping, scaling, beading. Many different uses, including paper box stripping and cutting defective welds. Designed for rugged use in foundries and construction applications. **Parts are interchangeable with Chicago Pneumatic Simplate chippers. Please specify hex or round shank.**

Blows Per Minute	1450	Length w/Retainer	17-3/4"
Stroke	4"	Weight w/Retainer	17.25 lbs.
Bore	1-1/8"	Air Inlet Thread	3/8"

See pages 98-99 for chipping hammer accessories.

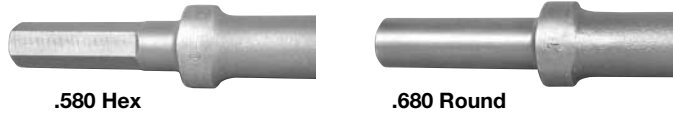
Chipping Hammer Chisels



MPT chisels are manufactured from the finest alloys available for Michigan Pneumatic retainer and standard type chippers, as well as other manufacturers chippers. Each chisel is hardened and tempered throughout to provide maximum strength and resistance to fatigue, then carefully inspected to meet the rigid MPT quality standards. **Round collar shank**

style chisels are available for the same indicated prices. .432 hex or .495 round in standard or oval collars also available for the same prices. Longer lengths up to 72" are available. Please specify part number when ordering. All chisels are made in the U.S.A.

Oval Collar Shank Style



Standard Shank Style



Blade Style			Oval Collar Retainer Type						Standard Non-Retainer Type	
			9"	12"	18"	24"	36"	48"	9"	12"
Blank		Round Shank	301	301-12	301-18	301-24	301-36	301-48	1	1-12
		Hex Shank	302	302-12	302-18	302-24	302-36	302-48	2	2-12
3/4" Flat Chisel		Round Shank	303	303-12	303-18	303-24	303-36	303-48	11	11-12
		Hex Shank	304	304-12	304-18	304-24	304-36	304-48	12	12-12
Moil Point		Round Shank	313MP	315	315-18	315-24	315-36	315-48	91	93
		Hex Shank	314MP	316	316-18	316-24	316-36	316-48	92	94
2" Wide Scaling Chisel		Round Shank	323WC	323-12	323-18	323-24	323-36	323-48	25	25-12
		Hex Shank	324	324-12	324-18	324-24	324-36	324-48	26	26-12
2-1/2" Non-Sparking Chisel		Round Shank	323-BC	-	-	-	-	-	-	-
		Hex Shank	-	-	-	-	-	-	-	-
3" Wide Scaling Chisel		Round Shank	323-3	323-12-3	-	-	-	-	-	-
		Hex Shank	324-3	324-12-3	-	-	-	-	-	-
5" Wide Scaling Chisel		Round Shank	FO3805	-	-	-	-	-	-	-
		Hex Shank	GO3805	-	-	-	-	-	-	-
6" Wide Floor Scraper		Round Shank	FO701	Blade Only	Holding Kit	-	-	-	-	-
		Hex Shank	GO701	702	703	-	-	-	-	-
Cape		Round Shank	305	305-12	-	-	-	-	21	21-12
		Hex Shank	306	306-12	-	-	-	-	22	22-12
Round Nose		Round Shank	307	307-12	-	-	-	-	31	-
		Hex Shank	308	308-12	-	-	-	-	32	-
Diamond Point		Round Shank	309	309-12	-	-	-	-	41	-
		Hex Shank	310	310-12	-	-	-	-	42	-
Bushing Tool		Round Shank	50100	-	-	-	-	-	A240	-
		Hex Shank	50200BT	-	-	-	-	-	C240	-
Gouge		Round Shank	337	337-12	-	-	-	-	51	-
		Hex Shank	338	338-12	-	-	-	-	52	-

Longer lengths up to 72" also available. Please inquire.

Chipping Hammer Accessories



1190 Series Solid Type Chisel Retainers



For use where frequent change of chisels is **not** required. Retainer must be removed from hammer barrel to change chisels. To remove retainer from hammer barrel, pull 1194 series lock spring entirely out of slot in retainer and slide retainer off barrel.

Available To Fit The Following Brands And Models:

Michigan Pneumatic

Tool Model No.	Part Number
MP-100 thru MP-400 series	1190-MPT1
MP-1100 thru MP-4400 series	1190-MPT1
MP-CH2 thru MP-CH4 series	1190-SUL1

Chicago Pneumatic

Tool Model No.	Part Number
CP-1-RV	1190-CPT2
CP-2-RV	1190-CPT2
CP-3-RV	1190-CPT2
CP-4-RV	1190-CPT2
CP-1	1190-CPT1
CP-2A	1190-CPT1
CP-3	1190-CPT1
CP-4	1190-CPT1
CP-9362	1190-CPT1
CP-9363	1190-CPT1
CP-9364	1190-CPT1
CP-4113	1190-1.692

Ingersoll-Rand

Tool Model No.	Part Number
IR-K2L	1190-1.655
IR-1	1190-IRC1
IR-2 & IR-200	1190-IRC1
IR-2A	1190-IRC1
IR-3 & IR-300	1190-IRC1
IR-3A	1190-IRC1
IR-4 & IR-400	1190-IRC1
IR-W1	1193
IR-W2	1193
IR-W3	1193
IR-W4	1193

Lock Spring for All Retainers



1194-2 Heavy-Duty Wire Spring

1194-5 Solid Urethane Lock Spring

Michigan Pneumatic Retainers

1191-MPT1 Quick Change
1192-MPT1 Rapid Change



For use where frequent tool change is necessary. It is **not** necessary to remove retainer from hammer barrel to change tools. On the 1191 retainer, the chisel is changed by lifting the end of flat spring on outside of retainer to release lock pin, rotate tool 1/4 turn, remove tool. Insert new tool and rotate 1/4 turn. On the 1192 retainer, it is **not** necessary to lift the spring, simply rotate the chisel 1/4 turn and remove to change.

Replacement Rotating Insert



1191-3 for use with 1191 Quick Change series retainer

1191-7 for use with 1192 Rapid Change series retainer

Replacement Flat Spring & Pin



1191-2 for use with 1191 Quick Change series retainer

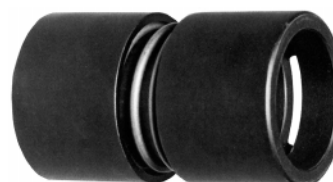
1191-6 for use with 1192 Rapid Change series retainer

Replacement Insert Retaining Spring



1191-4 for retaining the rotating insert on both 1191 and 1192 series retainers.

Deluxe Ball Type Chisel Retainer



1291-MPT1
1291-IRC2
1291-SUL2

Designed for rapid change of tools without removal of retainer from hammer barrel. Tool is quickly changed by pulling back sleeve to unlock tool in retainer. Releasing sleeve back to normal position locks tool in retainer. Takes both oval collar and round collar tools in any width blades.

- 1291-1** Sleeve
- 1291-2** Spring
- 1291-3** Balls (set of 6)
- 1291-4** Retainer Clip
- 1194-2** Heavy-Duty Lock Spring

OSHA regulations specify that retainers shall be used to prevent tools from accidentally being expelled. Retainers are available for all makes and models of chipping hammers. Please specify make and model of chipping hammer when ordering. All accessories are made in U.S.A.



W-Style Chipping Hammer

When conventional tapered style retainer chippers fail prematurely, the acme thread style chipping hammers are put into service. The heavy-duty retainer mechanism has two sets of steel sleeves and a rubber bumper to disperse and absorb the blows of the chisel. W-style chippers use oval or round collar chisels. **See page 98 for additional accessories. Please specify hex or round shank.**



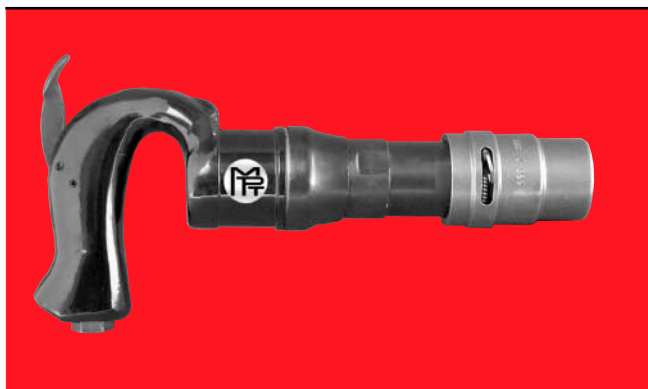
MP-W2R
Chipping Hammer (sold with retainer)

Chipping Hammer Retainer & Parts

Retainer HHW1-300	Lower Washer HHW1-213	O-Ring R000A2-103	Retainer Spring 24SR-207	Upper Washer H3R-31	Rubber Bumper H3R-203

Chipping Hammers

Model No.	Blows Per Minute	Stroke	Bore	Rec'd Hose Size	Length	Weight	Air Inlet	Avg. Air Consumption
MP-W1H	2500	1"	1-1/8"	1/2"	15-7/8"	14.75 lbs.	3/8"	28 cfm
MP-W1R	2500	1"	1-1/8"	1/2"	15-7/8"	14.75 lbs.	3/8"	28 cfm
MP-W2H	2300	2"	1-1/8"	1/2"	16-3/8"	15.50 lbs.	3/8"	28 cfm
MP-W2R	2300	2"	1-1/8"	1/2"	16-3/8"	15.50 lbs.	3/8"	28 cfm
MP-W3H	1725	3"	1-1/8"	1/2"	18-1/4"	16.60 lbs.	3/8"	29 cfm
MP-W3R	1725	3"	1-1/8"	1/2"	18-1/4"	16.60 lbs.	3/8"	29 cfm
MP-W4H	1480	4"	1-1/8"	1/2"	19-1/4"	17.50 lbs.	3/8"	29 cfm
MP-W4R	1480	4"	1-1/8"	1/2"	19-1/4"	17.50 lbs.	3/8"	29 cfm



Michigan Pneumatic Model MP-K2L-H - Hex
Model MP-K2L-R - Round

Chipping Hammer

Smallest line of chippers featuring standard .580 hex or .680 round shank bushing. **Parts interchangeable with Ingersoll-Rand K2L models. Please specify hex or round shank.**

Blows Per Minute	3600	Length	12"
Stroke	1-3/4"	Weight	8 lbs.
Bore	7/8"	Air Inlet Thread	1/4"



Michigan Pneumatic Model MP-MA1H - Hex
Model MP-MA1R - Round

Chipping Hammer

You cannot afford to do overhead concrete repair work or chipping without one. Lightweight chipper for heavy-duty jobs. **Parts interchangeable with MasterPower or Black & Decker models. Please specify hex or round shank.**

Blows Per Minute	2800	Length	11-7/8"
Stroke	1"	Weight	12.5 lbs.
Bore	1-1/8"	Air Inlet Thread	3/8"