Heavy Machinery Maintenance

PRODUCTION TOOL & TECHNOLOGY
8410 F eagin Rd
Macon, GA 31216
Toll Free: 1-866-546-4663
Local Number: 478-781-8415
Fax: 478-781-6850
Our History

Decades of innovation

1901  First single-valve pneumatic hammer
1904  First electric tools and railway speed recorder
1910  Quarry drills
1911  Engines for cars and trucks
1912  Simplate valve
1912  Two-cycle semi-diesel engine for compressors
1925  Rotary oil-well drilling equipment
1925  Engine manufacturing
1939  First impact wrench
1943  “Rosie the Riveter” appears in this “We Can Do It” image and on Norman Rockwell’s famous Saturday Evening Post cover, holding a Chicago Pneumatic riveting hammer on her lap
1957  Portable broach puller, construction impact wrenches
1960's  Tools customized for Boeing 737 and 747, Lockheed L1011 and CSA, Douglas DC-10, new Concorde
1971  Crimpnut tool - a breakthrough in critical joints for vehicle assembly
1970's  Patented two-jaw clutch for impact wrenches
1981  CP341 pneumdraulic riveter
1990  CP789H reversible drill, CP628H ratchet, CP854 angle grinders
90's  Hundreds of application specific products for construction, demolition, vehicle maintenance, heavy equipment maintenance, manufacturing and other industries
2000  Governed, oil-free grinders
2007  Magnesium & composite impact wrenches
2010  New Chicago Pneumatic “Red & Black” product design
2011  Patented ergonomic handle-design for impact wrenches

Founded over 110 years ago, Chicago Pneumatic has a strong history of constantly looking for new ways to meet your needs, today and tomorrow.

Way back in 1889 John W. Duntley realized that construction workers in particular had a need for many tools that weren’t yet available. He founded Chicago Pneumatic Tool Company and set out on a lifelong mission to provide all types of industries and companies the tools necessary for their success.

Over the years Duntley grew the company through product innovation, always insisting on product quality and reliability. The name Chicago Pneumatic became known and appreciated by workers around the world for durable, reliable tools that made tough jobs easier and were designed to meet specific needs.

Today, Chicago Pneumatic is a global brand that offers products for almost every industry and countless applications. We’re proud to say Chicago Pneumatic still stands for reliability, durability and customer value.

Building on success

From production to maintenance or repair work, your experience of our tools, compressors, and construction equipment is key to our product development and continued success. It is our mission to keep you productive at all times.
Our Mission

Our focus on your industry
Chicago Pneumatic Tools offers hundreds of quality air tools designed for a wide range of maintenance and production applications: impact wrenches, ratchet wrenches, screwdrivers, drills, grinders, sanders and polishers, cutting tools, and a whole lot more. Based on decades of expertise in providing the right tools, compressors or construction equipment for the toughest demands, we understand the needs of the professionals for maintaining and repairing heavy equipment and machinery on-site or off-site.

A clear and ambitious strategy
Chicago Pneumatic is aiming at delivering best-in class global and local support to customers through large product portfolio availability and a strong network of authorized distributors.

CP Tools offer:
- Large range of tools and accessories
- Stock availability
- Constant products and services development
- Certified quality testing for enhanced performance and durability
- Competitive pricing strategy

Proud of our people and values
Chicago Pneumatic Tools is 100% partnering with distributors to ensure local and fast support to the end-users. Our people and partners are trained on the latest air tools technology in order to be the best tool-adviser for the end-user. We bring added value in always targeting to deliver the best choice for each application.

- Tools and technology training
- Fast support for sales, maintenance and servicing
- Air solution expertise for superior quality, ergonomics and productivity
- Committed to the customers

Chicago Pneumatic Tools is part of a large organization that encompasses several other product lines dedicated to professionals. CP can be also a partner of choice for your compressor needs and for construction/demolition tools. All are built to withstand tough conditions.

www.linkedin.com/company/chicago-pneumatic
www.youtube.com/CPCHANNELS
www.linkedin.com/company/chicago-pneumatic

Check out your nearest contact at www.cp.com
Chicago Pneumatic focuses on all the maintenance, repairs and refurbishing operations of the mining and construction heavy machinery.

This Mining & Construction catalogue refers to heavy-duty vehicles, machineries, equipments, attachments and accessories, specially designed for earthmoving operations.

MINING
► Open pit
► Underground
► Quarry

CONSTRUCTION
► Road & bridge
► Infrastructure
► Waste & recycling

Infrastructure
• Conveyors & tripper cars
• Elevators & lifting
• Hopper, feeders & vibrating screen
• Grinding mills & crusher
• Washing plant
• Long-wall
• Sheaves, cables, cages
• Hoist & chains

Heavy Vehicles
• Dumpers & articulated trucks
• Haul trains
• Wheel & track loaders,
• Bull & wheel dozers
• Scrappers & coal bowl
• Motor graders
• Backhoe & skid steer loader

Heavy Mobile Equipment
• Hydraulic & rope shovels
• Draglines
• Hydraulic excavators
• Drills & long wall
• Bucket wheel excavators
• Cross-pit spreader
• Transport crawler
As manager, engineer, supervisor, or as mechanic, tire specialist, foreman, contractor and rental company, you need to maintain and refurbish your mining or construction machineries respecting your budget and reducing the downtime for better productivity of your operations.

Chicago Pneumatic understand your needs, and offers the best air tools selection that can meet your thoughest demands.
- Wheels & tires
- Tracks, idler & caterpillar
- Gearbox & braking systems
- Cylinder & hydraulic attachments
- Bucket, ripper, tooth & blade
- Transmission & axle
- Engine & steering
- Cabin & housing
Your Applications

Equipment Maintenance

- Conveyors Belts & Winches
- Bearing: pulleys & rollers
- Drive chain & sprockets
- Infrastructures
- Motors & reducers
- Crushers
- Cables & Wheels
- Skip & elevators

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Our Expertise

Engineered for demanding applications
Chicago Pneumatic provides tools designed and constructed to meet the rugged demands of your industry!

Strict testing and quality inspections
To ensure and guarantee long life performance, many strict testing and quality inspections are conducted throughout the design, production, and assembly stages.

Customer satisfaction
At Chicago Pneumatic, quality is priority! We are constantly optimizing our products to offer you the right tool for your toughest applications. All products are thoroughly tested in the CP Technocenter to pass EC certification according to ISO Standards.
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Index - Safety Instructions - Conversion Table  53
Follow these logos to find the dedicated spare-kit and accessories selection listed at the end of each product section.
Choose your clutch

**DYNA-PACT** (Pin clutch):
Excellent on hard joints with a good power/weight ratio.

**Double dog:**
All around clutch with a high ultimate torque and high power/weight ratio.

**Rocking dog:**
Good on very soft joints providing high speed rundown.

**2-Jaw**
Excellent on soft or hard joints with never-ending ultimate torques.

How to select your bolting tool?

**Step 1**
**Applications**
- Materials
- Joint types
- Fasteners
- Torque
- Duty

**Step 2**
**Sockets**
- Type
- Size
- Access

**Step 3**
**Tools**
- Clutch type
- Handle type
- Square drive & socket retainer
- Torque

Choose your retainer

A wide selection of retainers provides from versatility to safety for every type of application - all with power, speed and comfort.

**VERSATILITY**
- Quick Change for screwdriver bits or torsion bars
- Friction Ring for rapid socket change
- Dual (Hole + Friction) for versatility
- Pin Retainer for dedicated applications
- Hole for pin o-ring type retention
- Integral Spline with integral push button retainer

**SAFETY**

Under optimal conditions of the air line network and its connections, tightening and loosening should take place within 5 seconds for increased durability of your tool. If this is not the case, a selection of a higher-performance product is recommended.
### CP8242-P
**Durable, Compact & Powerful**

**Features**
- 1/2” compact impact with Pin retainer
- Powerful & durable double dog clutch
- Composite body and Aluminum clutch housing
- 3 power settings in forward & full power in reverse
- Protective cover & suspension bail

**Benefits**
- Durable and reliable for intensive use
- Light weight & low noise for operator comfort
- Compact for easy access

**Part Number**
615 159 0230

**Specifications**

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**See accessories on page 18**

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### CP7748

**Extreme Torque & Durability**

**Features**
- 1/2” composite impact wrench
- 922 ft.lbs - 1250 Nm of maximum torque in reverse
- Thermo-plastic rubber injected in housing for a durable and comfortable grip
- Universal & durable double dog mechanism

**Benefits**
- Maximize work efficiency with great power
- Insulated and comfortable grip with rubber injected composite housing

**Part Number**
615 159 0220

**Specifications**

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**PRODUCTION TOOL & TECHNOLOGY**

Maccon, GA 31216
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Local Number: 478-781-8415
Fax: 478-781-0850

All models: Hose int. 3/8” (10mm) - @80 PSI (@6.3 Bar)

Listed specifications are for reference only. Please check documents in each tool.
### Durability & Performance

#### Features
- **CP734H**
  - 1/2" impact wrench
  - DYNA-PACT oil bath clutch
  - One-handed push button forward/reverse with 4 positive power settings
  - Through handle air exhaust and 360° air inlet swivel
- **CP6500-RSR**
  - 1/2" heavy-duty impact wrench
  - Double dog clutch oil bath
  - Aluminum body & steel clutch housing
  - Regulator 4 positions

#### Benefits
- **CP734H**
  - Clutch delivers smooth operation and extreme durability
  - Operator comfort
  - Versatile and powerful tool ideal for all general repairs and maintenance applications
- **CP6500-RSR**
  - Best performer for heavy Duty applications
  - Reliable double-dog clutch in oil bath & durable housing
  - Compact 3-part construction & easy to maintain

### Technical Specifications

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**Note:**
- Listed specifications are for reference only. Please check documents in each tool.
- All models (except CP6060 models): Hose int. 3/8" (10mm) - @90 PSI (@6.3 Bar)
- CP6060 models: Hose int. 1/2" (13 mm) - @90 PSI (@6.3 Bar)
Bolting

**CP6060 SASAK**

**Super-duty, compact & smooth comfort in 1”**

**Features**
- 1” super-duty impact with 2-jaw clutch
- Reliable 2-jaw clutch
- Aluminum body & steel clutch housing
- Hole type socket retainer

**Benefits**
- Best compact 1” to loosen big bolts on very demanding applications
- Operator comfort and control thanks to perfect ergonomic design even at high torque levels
- Reliable clutch & durable housing
- Compact 3-part construction & easy to maintain

**CP6060 ZASAK**

Same features as CP6060-SASAK with Zinc Alloy Housing for explosive environment

**CP0611P RS**

**Super duty & extreme power in 1”**

**Features**
- 1” super-duty impact with 2-jaw clutch
- Reliable 2-jaw clutch
- Aluminum body & steel clutch housing
- 360° D-type side handle
- Hole type socket retainer

**Benefits**
- Best performer to loosen big bolts quickly and easily
- Operator comfort and control with adjustable side handle even at high torque levels
- Reliable clutch & durable housing
- Compact 3-part construction & easy to maintain

**CP0611P RLS**

Same features as CP0611-RS with #5 Spline Drive

**CP7774**

**Economic choice**

**Features**
- 1” impact wrench
- Rocking dog clutch
- High torque: 1750 ft.lbs (2373 Nm)
- 3-position power settings in forward and reverse

**Benefits**
- Operator comfort
- Value for money

**MODEL** | **PART NUMBER** | **DRIVE** | **BLOWS PER MIN** | **FREE SPEED** | **WORKING TORQUE (FW)** | **MAX TORQUE (REV)** | **NET WEIGHT** | **LENGTH** | **AIR CONS. @ LOAD** | **VIBRATION LEVEL ISO 28927 (m/s²)** | **SOUND PRESSURE (dB(A))** | **SOUND POWER (W)** | **AIR INLET** | **ISO 15744 - NPT** |
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All models: Hose int. 1/2” (13mm) - @90 PSI (@6.3 Bar)

Listed specifications are for reference only. Please check documents in each tool.
1” Impact Wrenches

**CP7782**

![Image of CP7782](image1.png)

**High Torque & Durability**

**Features**
- 1” straight impact wrench with dual retainer
- 2140 ft.lbs - 2900 Nm of maximum torque in reverse
- Pinless closed reinforced rocking dog impact mechanism
- Socket retainer ring combined with hole retainer
- Full teasing trigger
- Regulator with integrated forward/reverse with 3-position power settings in both directions

**Benefits**
- High efficiency motor, economical with durable reinforced clutch mechanism
- Highly durable impact wrench with great power for the toughest jobs on heavy vehicles

**CP7782-6**

Same features as CP7782 with 6” Extended Anvil

**CP6920 PALED**

![Image of CP6920 PALED](image2.png)

**Powerful, Fast & Ergonomic**

**Features**
- 1” impact with pinless rocking dog clutch
- Aluminum body clutch housing
- Dual (hole & ring) type socket retainer
- Bail for balancer

**Benefits**
- Excellent medium-duty 1” for versatile industrial applications
- Operator comfort with adjustable side handle and control with 4-position regulator
- Reliable clutch & durable housing
- 3-part construction for easy maintenance

**CP6910 RS**

Same features as CP6920 PALED in Pistol Shape

**Most Powerful Extended 1”**

**Features**
- 1” impact wrench
- Rocking dog clutch
- 4-position power settings throttle for ease of use
- 7” extended anvil

**Benefits**
- Our strongest and most powerful 1” with extended anvil
- Operator productivity
- Ideal for high volume tire work

---

**Production Tool & Technology**

8410 Feagin Rd
Maccon, GA 31216
Toll Free: 1-866-546-4663
Local Number: 478-781-8415
Fax: 478-781-0850

See accessories on page 18

---

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See accessories on page 18
1" & 1-1/2" Impact Wrenches

**CP0611 PASED**

**FEATURES**
- 1" super-duty impact 2-jaw clutch
- Aluminum body & steel clutch housing
- 360° adjustable D-type side handle
- Internal trigger

**BENEFITS**
- Best performer of industry to loosen big bolts quickly and smoothly
- Operator comfort and control with adjustable side handle even at high torque levels
- Reliable impact mechanism & durable housing
- Compact 3-part construction & easy to maintain

**IMPACT KITS**

**CP734H Kit / CP734H Metric Kit**

Part No. T025163 / T025164
Kits include:
- (1) CP734H - 1/2" Impact
- (5) Imperial Sockets 1/2", 5/8", 3/4", 7/8" & 1 15/16" or
- (5) Metric Sockets (14, 16, 17, 19 & 22mm)

**CP772H Kit / CP772H Metric Kit**

Part No. T025171 / T025162
Kits include:
- (1) CP772H - 3/4" Impact
- (4) Imperial Sockets 15/16", 1", 1-1/16" & 1-1/8" or
- (4) Metric Sockets (24, 27, 30 & 32mm)

**TUNE-UP KITS & REPAIR KITS**
1/4" - 3/8" - 1/2" Ratchet Wrenches

**High Power & Compact**

**Features**
- 1/4" mini ratchet
- One of the smallest ratchets only
- 5.1" (130mm) long
- Rubber grip

**Benefits**
- Most powerful of its class
- Compact and lightweight

---

**Small & Handy**

**Features**
- 1/4" ratchet
- Progressive tease throttle
- Small ratchet, only 6.5" (165 mm) long
- Convenient forward and reverse button

**Benefits**
- Ideal for tight access applications
- One-finger directional changes
- Compact and lightweight

---

**Heavy Duty & Durable**

**Features**
- 3/8" ratchet
- Features CP’s patented TriSpring anti-slip head design
- Compact, yet packed with power and speed
- Hardened gears

**Benefits**
- Easy access in restricted area
- Greater durability
- Easy grip reverse for simple directional changes

---

**Powerful & Quiet**

**Features**
- 3/8" quiet ratchet
- Adjustable exhaust, sound level as low as 79 dB(A)
- Highest torque on the market: 90 ft.lbs (122 Nm)
- Rubber handle grip
- Features CP’s patented TriSpring

**Benefits**
- Lightweight and well balanced tool
- Durability and comfort
- Ratchet head protection

---

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---

<table>
<thead>
<tr>
<th>MODEL</th>
<th>PART NUMBER</th>
<th>DRIVE</th>
<th>FREE SPEED</th>
<th>WORKING TORQUE (FW)</th>
<th>MAX TORQUE (REV)</th>
<th>NET WEIGHT</th>
<th>LENGTH</th>
<th>AIR CONS. LOAD</th>
<th>VIBRATION LEVEL</th>
<th>SOUND PRESS</th>
<th>SOUND POWER</th>
<th>AIR INLET</th>
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<td>85 96</td>
<td>96 1/4</td>
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<td></td>
</tr>
</tbody>
</table>

Part No. 894 377 8308
Kit includes:
- (1) 1/2" Ratchet CP7830HQ
- (5) Sockets - 10, 13, 14, 16 & 17mm

*See accessories on page 18*

*All models: Hose int. 3/8" (10mm) - @90 PSI (@6.3 Bar)*

*Listed specifications are for reference only. Please check documents in each tool.*
## Accessories

### MAGNETIC TOOL HOLDER

<table>
<thead>
<tr>
<th>TOOL</th>
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<td>CP9841</td>
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### SOCKETS

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<tr>
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<th>PART NUMBER</th>
<th>TYPE</th>
<th>NO. OF PIECES</th>
<th>DIMENSIONS</th>
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<td>7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17 &amp; 19mm</td>
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### SET - 3/8" SQUARE DRIVE IMPACT SOCKETS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>PART NUMBER</th>
<th>TYPE</th>
<th>NO. OF PIECES</th>
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<td>26, 27, 29, 30, 32, 35 &amp; 38mm</td>
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<tr>
<td>SS611DWS</td>
<td>894 016 7072</td>
<td>WHEEL SERVICE</td>
<td>11</td>
<td>Square: 17, 19, 21mm - Deep: 27, 30, 32, 33, 35, 36, 38 &amp; 41mm</td>
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### SET - 3/4" SQUARE DRIVE IMPACT SOCKETS

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<td>SAE (in)</td>
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<tr>
<td>SS818D</td>
<td>894 016 4477</td>
<td>DEEP</td>
<td>8</td>
<td>27, 30, 32, 33, 35, 36, 38 &amp; 41mm</td>
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### SET - 1" SQUARE DRIVE IMPACT SOCKETS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>PART NUMBER</th>
<th>TYPE</th>
<th>NO. OF PIECES</th>
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<td>SS100MD</td>
<td>894 016 9359</td>
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<tr>
<td>SS100M</td>
<td>894 016 9358</td>
<td>STANDARD</td>
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<td>90 mm</td>
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</tbody>
</table>

Certified EN 388 (Protection against mechanical risks), the CP gloves are the ideal option to protect the operator’s hands in harsh environments, such as mining and construction applications.
How to select your fastening tool?

Step 1
Applications
- Materials/Fasteners
- Joint types
- Accuracy
- Torque/Speed
- Duty

Step 2
Screws
- Type/shape
- Size
- Access

Step 3
Tools
- Clutch type
- Torque/Speed
- Handle type

Joint/Screws Combinations
The chart beside correlates different joint and screws combinations. This chart is helpful for initially determining the most likely combination, however on-site testing is recommended to ensure that proper tooling is used for the application.

Soft joint (A) and hard joint (B) / metal screw (class 8,8)
The initial torque required is very low and grows gradually (soft joint A) or rapidly (hard joint B) when the screw head begins to slip on the joint.

Sheet metal joint / self-threading screw
The initial torque for forming the thread is lower than the final tightening torque.

Enamelled sheet metal joint / self-threading screw
The initial torque for forming the thread is higher than the final tightening torque.

Sheet metal joint / self-drilling screw
The initial torque for making the hole and forming the thread tends to increase rapidly when the screw head slips on the joint.

Joint with self-locking nut
The initial torque required to overcome the friction generated by the plastic insert in the nut tends to increase rapidly when the screw head slips on the joint.

Clutch Type
Direct drive
- No clutch, directly driven bit
- Stall torque regulated to air pressure
- Easy to use and maintain
- Ergonomic handling (light weight, size...)

Positive clutch
- Good for varying torque applications
- Operator can force clutch engagement for higher torque
- Excellent for wood applications

Cushion clutch
- High speed rundown
- Torque output adjusted by the spring tension
- Clutch ratchets at preset torque
- Easy to use, to adjust and to maintain

Voluntary, CP Screwdrivers with auto shut-off have not been selected for mining and construction applications. If you need, please look at www.cp.com
Fastening

**CP2780**

1,700 rpm

**Positive action clutch**

**Features**
- Positive clutch with 1/4" hex. quick-change
- Quick-change chuck
- Reverse control at the trigger
- Progressive trigger

**Benefits**
- Tool designed for soft or prevailing torque applications
- Convenient one-handed operation (side handle available as accessory)
- Operator can force clutch engagement for higher torque

**CP2765**

900 rpm

**Very high-torque direct drive**

**Features**
- Direct drive screwdriver with 1/4" hex. quick-change
- Quick change chuck
- Reverse control at the trigger
- Progressive trigger

**Benefits**
- Good for soft draw applications
- Simple maintenance
- Convenient one-handed operation

**CP2755**

Similar features as CP2765 with 2200 rpm and 124 in.lb (14 Nm) max torque

---

**3 air inlets for various applications**

**Features**
- Cushion clutch
- 1700 rpm
- Included accessories
- Keyless torque adjustment
- One-hand reverse

**Benefits**
- Ideal for multiple applications
- Operator comfort
- Durability & quality

**Production tool & technology**

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---

**Model** | **Part Number** | **Output Drive** | **Free Speed** | **Torque Range** | **Net Weight** | **Length** | **Air Cons. @ Load** | **Vibration Level ISO 28927 (m/s²)** | **Sound Press.** | **Sound Power** | **Air Inlet**
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---
CP2755 | 6151922755 | 1/4" Fem.Hex QC | 2200 | - | 124 14.0 | 6.3 160 | 10 21.7 | <2.5 | - | 90 110 | 1/4
CP2765 | 6151922765 | 1/4" Fem.Hex QC | 900 | - | 230 26.0 | 7.0 178 | 10 21.7 | <2.5 | - | 99 110 | 1/4
CP2780 | 6151922780 | 1/4" Fem.Hex QC | 2100 | - | 133 15.0 | 6.4 164 | 10 21.7 | <2.5 | - | 89 100 | 1/4
CP2623 | 6151922623 | 1/4" Fem.Hex QC | 1800 | 13.2 1.5 | 48.6 5.5 | 8.2 207 | 21 20.0 | <2.5 | - | 78 89 | 1/4
CP2612 | 6151922612 | 1/4" Fem.Hex QC | 1700 | 8.8 1.0 | 53 6.0 | 7.5 190 | 17 8.0 | <2.5 | - | 77 88 | 1/4

---

**Continuous ratcheting the clutch may produce higher vibration emissions. Please, check operator manual for each tool.**

**All models: Hose int. 3/8" (10mm) - @80 PSI (@8.3 Bar)**

**Listed specifications are for reference only. Please check documents in each tool.**

See accessories on page 21
Did you know that rusted bolts have a bad impact on the clamping force? Keeping bolts clean is key to have good tightening and the stud cleaners are the ideal solution for that.
Select your Grinders

ERGONOMIC FEATURES

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

- Significant sound and vibration reduction - helps reduce operator fatigue and improve performance.
- Complete line - designed for maximum productivity under rugged conditions.
- Wide choice of tools - die grinders, small wheel grinders, horizontal grinders, and vertical grinders.
- Powerful, yet complete and lightweight - produce more power per pound than comparable electric models.

COLLET GRINDERS

Recommended speeds depending on the machined and the diameter of the head of the carbide burrs.

The choice of burr depends on the size of your application. A larger volume of material to be removed will require a bigger size of abrasive. Select the tool rpm depending on the diameter of the burr head, the material to be ground and the material in the rotary burr. Use tungsten carbide burrs for hard and tough materials. High speed steel burrs are recommended for unhardened and medium hard materials. See table.

WHEEL GRINDERS

Pure material removal, regardless of whether it is removed from a cramped or an open space, is determined by the power generated at the grinding process. The applied feed force and the rotation of the wheel generates a cutting force which multiplied by the peripheral speed of the wheel represents the power removing material (power = peripheral speed x cutting force). Chicago Pneumatic grinders features a high degree of safety. Safety throttles, over-speed shut-off and wheel guards are good examples of product safety features carried by your grinders.

The table below will help you to translate the peripheral speed of the grinding wheel to the correct rotational speed of the grinder when using a specific diameter of grinding wheel.

DIFFERENT TYPES OF WHEEL

DEPRESSED CENTER WHEELS

FLAP WHEELS

CUT OFF WHEELS

CUP WHEELS

CURVED WHEELS

CONE WHEELS
For maximum material removal with minimum effort, choose the best tool.

**Wheel grinders**
*For large and medium surfaces, wheel grinders are designed for grinding, cutting, countouring at a high material removal rate.*

**Collet grinders**
*For applications with narrow access, collet type grinders are preferred for deburring, die countouring, light chamfering with precision.*

---

**Step 1**
**Applications**
- Materials
- Access
- Duty
- Vibrations

**Step 2**
**Abrasives**
- Carbide burrs
- Mounted points
- Grinding wheels
- Cutting wheels
- Flap wheels

**Step 3**
**Tools**
- Die grinders
- Angle grinders
- Vertical grinders
- Extended shaft grinders

---

Caution: CP grinder should comply with the Maximum Operating Speed recommended by component and abrasive manufacturers.

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Straight Die Grinder

Straight extended Die Grinder

Angle 90° Die Grinder

Angle 120° Die Grinder
Grinding

**CP3000-600CR**

60,000 rpm

- **Compact & Durable Body**
  - 3 mm
  - Steel but lightweight body
  - Grooved housing
  - Rotary valve

- **Benefits**
  - Operator comfort
  - High precision
  - Industrial grade durability

**CP3000-600CR 1/8”**

Same features as CP3000-600CR with 1/8” collet

**CP9106Q-B**

22,000 rpm

- **Quiet & Angle Head**
  - Mini angle die grinder 90°
  - High efficient and powerful 0.28 hp (210 W) motor
  - High free speed: 22000 rpm
  - Low noise level: only 81 dB(A)
  - Variable top speed regulator
  - Composite overmould grip
  - Rear exhaust
  - Includes 1/4” and 6 mm collets

- **Benefits**
  - Maximize operator comfort
  - Power and performance
  - Precise power and control
  - Easy accessibility

**CP9108Q-B**

Similar features as CP9106Q-B with 22000 rpm and 120° angle

**CP9105Q-B**

25,000 rpm

- **Heavy-duty & Quiet**
  - Heavy-duty die grinder
  - Composite overmould grip
  - Powerful 0.47 hp (350 W) motor
  - Low noise level: only 80 dB(A)
  - Variable top speed regulator
  - Rear exhaust
  - Includes 1/4” and 6 mm collets

- **Benefits**
  - Maximize operator comfort
  - Power and performance
  - Precise power and control
  - Excellent for general high-speed polishing and grinding

**CP9110Q-B**

25,000 rpm

- **Heavy-duty & Quiet**
  - Heavy-duty die grinder
  - Composite overmould grip
  - Powerful 0.47 hp (350 W) motor
  - Low noise level: only 80 dB(A)
  - Variable top speed regulator
  - Rear exhaust
  - Includes 1/4” and 6 mm collets

- **Benefits**
  - Maximize operator comfort
  - Power and performance
  - Precise power and control
  - Excellent for general high-speed polishing and grinding

---

**Production Tool & Technology**

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Macon, GA 31216

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---

**MODEL** | **PART NUMBER** | **FREE SPEED** | **POWER** | **COLLET CAPACITY** | **AIR CONS. @ LOAD** | **NET WEIGHT** | **LENGTH** | **VIBRATION LEVEL ISO 2867 (m/s²)** | **SOUND PRESS. (Sound Power)** | **AIR INLET** |
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<td>4.1</td>
<td>1.5</td>
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</table>

All models: Hose int. 1/2” (13mm) - @90 PSI (@6.3 Bar)

Listed specifications are for reference only. Please check documents in each tool.
Compact Die-Grinders

**FEATURES**

- Heavy-duty die grinder
- 1/4” collet
- Rugged and energy efficient 0.5 hp (370 W) motor
- Adjustable speed regulator
- Lock-off throttle
- Square handle design for greater comfort

**BENEFITS**

- Powerful, durable and efficient tool
- Precise control and operator comfort
- Excelllent for cleaning tires, moldings, porting, relieving engines, and general high-speed polishing and grinding

---

**CP860**

Same features as CP860 with 6 mm collet

**CP860E**

Same features as CP860 with 6 mm collet

**CP860Es**

Same features as CP860 with 6” extended shank

---

**CP9113G GEs**

Same features as CP9113G with 6” extended shaft

**CP9113G**

Same features as CP9113G with 6 mm collet

---

**CP3000-515R**

Same features as CP3000-520R with 15000 rpm

**CP3000-518R**

Same features as CP3000-520R with 18000 rpm

**CP3000-520R**

Same features as CP3000-520R with 20000 rpm

---

**PRODUCTION TOOL & TECHNOLOGY**

**8410 FEAGIN RD**

**MACON, GA 31216**

**TOLL FREE: 1-866-546-4663**

**LOCAL NUMBER: 478-781-8415**

**FAX: 478-781-0850**

---

**FEATURES**

- 1/4” (6.35 mm) collet holder
- 0.7 hp (500 W) industrial grade motor
- 20000 rpm free speed
- Compact composite housing
- Streamlined safety lever
- Rear Exhaust

**BENEFITS**

- Operator comfort
- High precision
- Industrial grade durability
- Easy maintenance

---

**CP3030-518R**

Same features as CP3030-520R with 18000 rpm

**CP3030-520R**

Same features as CP3030-520R with 20000 rpm

---

**FEATURES**

- 1/4” (6.35 mm) collet holder
- 0.7 hp (500 W) industrial grade motor
- 20000 rpm free speed
- Compact composite housing
- Streamlined safety lever
- Gearless durable construction
- 7° angle to allow working in tight angles
- Rear Exhaust

**BENEFITS**

- Operator comfort
- High precision
- Industrial grade durability
- Easy maintenance

---

See accessories on page 30
Grinding

Straight & Wheel grinders

**CP3451-18SEC**

- **FEATURES**
  - 1/4” (6.35 mm) collet holder
  - 1 hp (750 W) high torque motor
  - 18000 rpm free speed
  - Aluminium body
  - Insulating composite cover
  - Rear exhaust

- **BENEFITS**
  - Light body
  - Powerful motor

**CP3451-18SEC25**
Similar features as CP3451-18SEC with 2.5" wheel capacity and 16000 rpm

**CP3451-18SE3**
Same features as CP3451-18SEC with 3” wheel capacity

**CP3119-12Es4**

- **FEATURES**
  - 4” / 100 mm wheel capacity
  - Extended body with rubber grip
  - 1 hp (900 W) governed motor
  - 12000 rpm free speed
  - Steel housing
  - Insulating composite over-housing
  - Streamlined safety lever
  - Rear exhaust

- **BENEFITS**
  - Superior productivity
  - High ergonomics
  - Maximal Industrial durability

**CP3119-12Es**
Same features as CP3119-12Es4 with 12000 rpm and 25” extended shaft

**CP3119-12Es3**
Same features as CP3119-12Es4 with 3” wheel capacity

**CP3119-XXEs**
Same features as CP3119-22ES from 12000 to 18000 rpm

**CP3119-22ES**

- **FEATURES**
  - 1/4” (6.35 mm) collet holder
  - Extended body with rubber grip
  - 1.2 hp (900 W) governed motor
  - 22000 rpm free speed
  - Steel housing
  - Insulating composite over-housing
  - Streamlined safety lever
  - Rear exhaust

- **BENEFITS**
  - Superior productivity
  - High ergonomics
  - Maximal Industrial durability

**CP3119-12EL**
Similar features as CP3119-18ES with 12000 rpm and 15” extended shaft

**CP3119-12EXL**
Same features as CP3119-18ES with 12000 rpm and 25” extended shaft

**CP3451-16sE25**
Similar features as CP3451-18SEC with 2.5” wheel capacity and 16000 rpm

**CP3451-18sE3**
Same features as CP3451-18SEC with 3” wheel capacity

**CP3119-22Es**
Similar features as CP3119-18ES with 12000 rpm and 25” extended shaft

**CP3119-12Es**
Same features as CP3119-12Es4 with 3” wheel capacity

See accessories on page 30

---

**PRODUCTION TOOL & TECHNOLOGY**

8410 FEAGIN RD

MACON, GA 31216

TOLL FREE: 1-866-546-4663

LOCAL NUMBER: 478-781-8415

FAX: 478-781-0830

---

All models: Hose int. 1/2” (13mm) - @80 PSI ( @6.3 Bar)

Listed specifications are for reference only. Please check documents in each tool.
Angle Grinders

**CP9120-CR**

**Features**
- 4” (100 mm) heavy-duty angle grinder
- Powerful 0.7 hp (700 W) high performance motor
- Adjustable protective guard
- Aluminum alloy housing
- Spiral bevel gears
- Ergonomic side handle

**Benefits**
- Lightweight but rugged housing
- Durability and performance
- Excellent for weld preparation and smoothing, rust removal, deburring and blending steel, cast iron and aluminum

**Specifications**
- Free speed: 12,000 rpm
- Power: 0.7 hp (700 W)
- Max wheel capacity: 4.0 mm
- Spindle thread: 3/8-24
- Air inlet: 1/4
- Net weight: 9.3 lb (4.2 kg)
- Vibration level: 5.3 m/s²
- Sound pressure: 84 dB(A)
- Sound power: 1.8 kW

**CP9121-CR**

**Features**
- Same features as CP9120-CR with 3/8-24 spindle thread

**Specifications**
- Free speed: 12,000 rpm
- Power: 0.7 hp (700 W)
- Max wheel capacity: 4.0 mm
- Spindle thread: 3/8-24
- Air inlet: 1/4
- Net weight: 9.3 lb (4.2 kg)
- Vibration level: 5.3 m/s²
- Sound pressure: 84 dB(A)
- Sound power: 1.8 kW

**See accessories on page 30**

---

**Lightweight & Easy Handling**

**Features**
- 4” (100 mm) heavy-duty angle grinder
- Powerful 0.7 hp (700 W) high performance motor
- Adjustable protective guard
- Aluminum alloy housing
- Spiral bevel gears
- Ergonomic side handle

**Benefits**
- Lightweight but rugged housing
- Durability and performance
- Excellent for weld preparation and smoothing, rust removal, deburring and blending steel, cast iron and aluminum

---

**CP9122-CR**

**Features**
- Same features as CP9120-CR with 3/8-24 spindle thread

**Specifications**
- Free speed: 12,000 rpm
- Power: 0.7 hp (700 W)
- Max wheel capacity: 4.0 mm
- Spindle thread: 3/8-24
- Air inlet: 1/4
- Net weight: 9.3 lb (4.2 kg)
- Vibration level: 5.3 m/s²
- Sound pressure: 84 dB(A)
- Sound power: 1.8 kW

**See accessories on page 30**

---

**CP9121-BR**

**Features**
- 5” (125 mm) heavy-duty angle grinder
- Powerful 0.7 hp (700 W) high performance motor
- Adjustable protective guard
- Aluminum alloy housing
- Spiral bevel gears
- Ergonomic side handle

**Benefits**
- Lightweight but rugged housing
- Durability and performance
- Excellent for weld preparation and smoothing, rust removal, deburring and blending steel, cast iron and aluminum

**Specifications**
- Free speed: 12,000 rpm
- Power: 0.7 hp (700 W)
- Max wheel capacity: 5.0 mm
- Spindle thread: 5/8-11
- Air inlet: 1/4
- Net weight: 9.6 lb (4.4 kg)
- Vibration level: 5.4 m/s²
- Sound pressure: 84 dB(A)
- Sound power: 1.6 kW

---

**CP9121-AR**

**Features**
- Same features as CP9121-BR with M14 spindle thread

**Specifications**
- Free speed: 12,000 rpm
- Power: 0.7 hp (700 W)
- Max wheel capacity: 5.0 mm
- Spindle thread: M14
- Air inlet: 1/4
- Net weight: 9.0 lb (4.1 kg)
- Vibration level: 5.0 m/s²
- Sound pressure: 84 dB(A)
- Sound power: 1.5 kW

---

**CP854**

**Features**
- 4” (100 mm) heavy-duty angle grinder
- Powerful 0.6 hp (450 W) high performance motor
- Aluminum alloy housing, yet lightweight tool
- Spiral bevel gearing in angle

**Benefits**
- Efficient with fast material removal
- Extended life and smooth low vibrations
- Rugged but lightweight tool for maximum operator comfort
- Excellent for weld preparation and smoothing, rust removal, deburring and blending steel, cast iron and aluminum

**Specifications**
- Free speed: 12,000 rpm
- Power: 0.6 hp (450 W)
- Max wheel capacity: 4.0 mm
- Spindle thread: 3/8-24
- Air inlet: 1/4
- Net weight: 9.0 lb (4.1 kg)
- Vibration level: 4.4 m/s²
- Sound pressure: 83 dB(A)
- Sound power: 1.5 kW

---

**Efficient & Durable**

**Features**
- 4” (100 mm) heavy-duty angle grinder
- Powerful 0.6 hp (450 W) high performance motor
- Aluminum alloy housing, yet lightweight tool
- Spiral bevel gearing in angle

**Benefits**
- Efficient with fast material removal
- Extended life and smooth low vibrations
- Rugged but lightweight tool for maximum operator comfort
- Excellent for weld preparation and smoothing, rust removal, deburring and blending steel, cast iron and aluminum

**Specifications**
- Free speed: 12,000 rpm
- Power: 0.6 hp (450 W)
- Max wheel capacity: 4.0 mm
- Spindle thread: 3/8-24
- Air inlet: 1/4
- Net weight: 9.0 lb (4.1 kg)
- Vibration level: 4.4 m/s²
- Sound pressure: 83 dB(A)
- Sound power: 1.5 kW

---

**CP9122-BR**

**Features**
- Same features as CP9120-CR with 4.5” (115mm) wheel capacity and 3/8-24 spindle thread

**Specifications**
- Free speed: 12,000 rpm
- Power: 0.7 hp (700 W)
- Max wheel capacity: 4.5 mm
- Spindle thread: 3/8-24
- Air inlet: 1/4
- Net weight: 9.6 lb (4.4 kg)
- Vibration level: 5.5 m/s²
- Sound pressure: 84 dB(A)
- Sound power: 1.6 kW

---

**CP9122-CR**

**Features**
- Same features as CP9120-CR with 4.5” (115mm) wheel capacity and 3/8-24 spindle thread

**Specifications**
- Free speed: 12,000 rpm
- Power: 0.7 hp (700 W)
- Max wheel capacity: 4.5 mm
- Spindle thread: 3/8-24
- Air inlet: 1/4
- Net weight: 9.6 lb (4.4 kg)
- Vibration level: 5.5 m/s²
- Sound pressure: 84 dB(A)
- Sound power: 1.6 kW

---

**CP854 E**

**Features**
- Same features as CP854 with 5” (125 mm) max wheel capacity and M10 spindle thread

**Specifications**
- Free speed: 12,000 rpm
- Power: 0.7 hp (450 W)
- Max wheel capacity: 5.0 mm
- Spindle thread: M10
- Air inlet: 1/4
- Net weight: 9.0 lb (4.1 kg)
- Vibration level: 4.4 m/s²
- Sound pressure: 83 dB(A)
- Sound power: 1.5 kW

---

**Listed specifications are for reference only. Please check documents in each tool.**

---

**All models: Hose int. 1/2” (13mm) - @90 PSI (@6.3 Bar)***
Grinding

Angle grinders

**CP3040GABTIM**

- 4” (100 mm) wheel capacity
- Short body
- 1 hp (750 W) governed motor
- 13500 rpm free speed
- Robust machined steel housing
- Robust safety lever
- Side exhaust

**Benefits**

- High durability

**CP3450-12AB5**

- 5” (125 mm) wheel capacity
- 1.0 hp (750 W) governed motor
- 12000 rpm free speed
- 5/8" spindle
- Constant lubrication bevel gear design
- Aluminium body
- Insulating composite cover
- Orientable safety lever
- Optional low vibration side handle
- Rear exhaust

**Benefits**

- Industrial grade productivity
- Industrial bevel gear durability
- Light body

**CP857**

- 7” (180 mm) Heavy-duty angle grinder
- Powerful 1.25 hp (932 W) high performance motor
- Aluminum alloy housing, yet lightweight tool
- Spiral bevel gearing in angle

**Benefits**

- Efficient with fast material removal
- Extended life and smooth low vibrations
- Rugged but lightweight tool for maximum operator comfort
- Excellent for weld preparation and smoothing, rust removal, deburring and blending steel, cast iron and aluminum

---

**Model Specification Table**

<table>
<thead>
<tr>
<th>Model</th>
<th>Part Number</th>
<th>Free Speed</th>
<th>Power</th>
<th>Max Wheel Capacity</th>
<th>Spindle Thread</th>
<th>Air Cons. (cfm)</th>
<th>Net Weight</th>
<th>Length</th>
<th>Vibration Level (ISO 28927) m/s²</th>
<th>Sound Press. (Sound Power) dB(A)</th>
<th>Air Inlet</th>
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</tr>
</tbody>
</table>

All models: Hose int. 1/2” (13mm) - @90 PSI (@6.3 Bar)

Listed specifications are for reference only. Please check documents in each tool.
Vertical Grinders

CP3850-85AB7VE
8,500 rpm

NOT FOR NORTH AMERICA AND ANSI MARKET

**Highest Performance & Ergonomics**

**Features**
- 7’’ (180 mm) wheel capacity
- 2.8 hp (2100 W) high performance governed motor
- 8500 rpm free speed
- Superior durability bevel gear
- Double action safety lever
- Integrated silencer
- Orientable exhaust
- Auto balancer
- Vibration damping multi-position side handle

**Benefits**
- Highest durability in demanding applications
- Superior torque for maximal productivity
- Superior ergonomics

CP3850-65AB9VE
6,500 rpm

NOT FOR NORTH AMERICA AND ANSI MARKET

**Highest Performance & Ergonomics**

**Features**
- 9’’ (230 mm) wheel capacity
- 2.8 hp (2100 W) high performance governed motor
- 6500 rpm free speed
- Superior durability bevel gear
- Double action safety lever
- Integrated silencer
- Orientable exhaust
- Auto balancer
- Vibration damping multi-position side handle

**Benefits**
- Highest durability in demanding applications
- Superior torque for maximal productivity
- Superior ergonomics

CP3349 SALAVELE
6,500 rpm

NOT FOR NORTH AMERICA AND ANSI MARKET

**Performance in Heavy Applications**

**Features**
- 9’’ (150 mm) cup wheel capacity
- 4 hp (3000 W) high performance governed motor
- 6500 rpm free speed
- Robust housing
- Built-in lubricant tank
- Double action safety lever

**Benefits**
- Highest durability in demanding applications
- Superior torque for maximal productivity

See accessories on page 30

<table>
<thead>
<tr>
<th>MODEL</th>
<th>PART NUMBER</th>
<th>FREE SPEED</th>
<th>POWER</th>
<th>MAX WHEEL CAPACITY</th>
<th>SPINDLE THREAD</th>
<th>AIR CONS. @ LOAD</th>
<th>NET WEIGHT</th>
<th>LENGTH</th>
<th>VIBRATION LEVEL</th>
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<th>SOUND POWER</th>
<th>AIR INLET</th>
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</table>

All models: Hose int. 1/2” (13mm) - @90 PSI (6.3 Bar)

Listed specifications are for reference only. Please check documents in each tool.
## Accessories & Spares

### ACCESSORIES INCLUDED

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<th>PART NO.</th>
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<td>205 054 1893</td>
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<td>Flat wrench</td>
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<td>Wrench (2)</td>
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<td>Collet ø 3mm w/ Wrench</td>
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<table>
<thead>
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### TUNE-UP KITS

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<th>TUNE-UP KIT</th>
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### PRODUCTION TOOL & TECHNOLOGY

8410 FEAGIN RD  
MACON, GA 31216  
TOLL FREE: 1-866-546-4663  
LOCAL NUMBER: 478-781-8415  
TUNE-UP KITS FAX: 478-781-0850

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Grinding
Finishing

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To suit your finishing edge applications in restricted areas.

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Various solutions for your narrow spots or surface finishing fitting your requirements.

How to select your finishing tool?

**Step 1**
**Applications**
- Materials type
- Finishing type
- Treatment type
- Duty

**Step 2**
**Abrasives**
- Shapes
- Grid size
- Process
- Rotation type
- Access

**Step 3**
**Tools**
- Handling Shape
- Pad / Belt Size
- Speed
**Finishing**

**CP7200**

**FEATURES**
- General-duty sander with rotary or random orbital options
- PSA sanding pad
- Insulated grip and lock off throttle to prevent accidental start ups
- Power regulator for precise control

**BENEFITS**
- Operator comfort
- Excellent for blending and smoothing filler, feather edging and pre-paint preparation

**5” PISTOL SANDER**

**FEATURES**
- Heavy-duty 5” (125 mm) sander
- High power 0.5hp (370 W)
- Low noise and vibrations

**BENEFITS**
- High durability
- Ergonomics - Compact & easy handling
- Ideal for vertical sanding or tight area work

**CP3070-120G**

**FEATURES**
- Mini pistol random orbital sander
  - with 2” (50 mm) and 3” (75 mm) H&L pads
  - Adjustable power regulator
  - 2-fingered progressive throttle

**BENEFITS**
- Compact & lightweight
- Maximize operator control and ergonomics, less fatigue
- Excellent for small area repair

**PRODUCTION TOOL & TECHNOLOGY**

8410 FEGIN RD
MACON, GA 31216
TOLL FREE: 1-866-546-4663
LOCAL NUMBER: 478-781-8415
FAX: 478-781-0850

---

**TABLE OF SPECIFICATIONS**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>PART NUMBER</th>
<th>FREE SPEED</th>
<th>POWER</th>
<th>PAD CAPACITY</th>
<th>AIR CONS. @LOAD</th>
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*All models: Hose int. 3/8” (10mm) - @90 PSI (@6.3 Bar)*

Listed specifications are for reference only. Please check documents in each tool.
### Sanders

**CP9780**
- Productivity & Durability
  - **Features**
    - 18" (457 mm) belt sander
    - 0.8 hp (560 W)
    - Sanding head pivots 360° for multi position sanding
    - Easy change of abrasives and contact arm
  - **Benefits**
    - More power for faster material removal and ergonomic handle
    - High durability thanks to simple and robust design
    - Ideal for versatile sanding applications

**CP858**
- **Features**
  - Belt sander 3/8" (10 mm) capacity
  - Quick change belt replacement
  - Adjustable sanding arm
- **Benefits**
  - Excellent for paint removal, weld sanding, smoothing and rust removal in tight areas

**CP9779**
- Similar features as CP9780 with 22000 rpm and 3/8" (10 mm) / 13" (330 mm) belt size

**CP5080-5220H18**
- **Features**
  - 18" (457 mm) belt sander
  - 0.8 hp (560 W)
  - Sanding head pivots 360° for multi position sanding
  - Easy change of abrasives and contact arm
- **Benefits**
  - More power for faster material removal and ergonomic handle
  - High durability thanks to simple and robust design
  - Ideal for heavy sanding applications

**CP5080-4200H18**
- **Features**
  - 18" (457 mm) belt sander 0.5 hp (400 W)
  - Sanding head pivots 360° for multi position sanding
  - Easy change of abrasives and contact arm
- **Benefits**
  - Ergonomic handle and high speed
  - High durability thanks to simple and robust design
  - Ideal for versatile sanding applications

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**MODEL**

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<tr>
<th>MODEL</th>
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All models: Hose int. 3/8" (10mm) - @90 PSI (@6.3 Bar)

Listed specifications are for reference only. Please check documents in each tool.
### Finishing

**Kits, Accessories & Spares**

- **CP7200S Kit**
  - Part No. 894 117 2001
  - Kit includes:
    - (1) CP7200S, Mini random orbital sander
    - (1) 2" (50mm) and 3" (75mm) backing pads
    - (10) 2" (50mm) 320, 400 and 600 grit sand paper and spindle key packed in heavy duty carrying case

- **CP5080-3260D12K**
  - Part No. 615 162 0050
  - Kit includes:
    - (1) CP5080-3260D12
    - (1) Contact arm 1/8"x1 1/2" (3x38mm)
    - (1) Contact arm 1/4"x1 1/2" (6x38mm)
    - (1) Bag of 5 belts

- **CP5080-4200H18K**
  - Part No. 615 162 0040
  - Kit includes:
    - (1) CP5080-4200H18
    - (1) Contact arm 1/4"x 18" (6x457mm)
    - (1) Contact arm 1"x 18" (25x457 mm)
    - (1) Handle
    - (1) Bag of 5 belts
    - (1) Hex key

### Sanding Pads

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<tr>
<th>MODEL</th>
<th>DESCRIPTION</th>
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### Sanding Paper

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<td>CP7200S</td>
<td>ø 3&quot; (75mm) - 400 Grit (50 pc) - H&amp;L</td>
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### Belt Sanders - Bags of 10 Belts

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<td>Belt Sanding 330x10 Gr120</td>
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<td>Belt Sanding 520x20 Gr60</td>
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<td>Belt Sanding 520x20 Gr120</td>
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### Tune-Up Kits

- **CP9779**
  - Part No. 205 050 3853
- **CP9800**
  - Part No. 205 050 3863
- **CP5080-3260D**
  - Part No. 205 054 6403
- **CP5080-4200D**
  - Part No. 205 054 7863
- **CP5080-5220D**
  - Part No. 205 054 7923
- **CP3070-120G**
  - Part No. 205 054 8293
- **CPB76**
  - Part No. CA144954
### Drilling

**Pistol grip drills**
- Ideal for all drilling tasks
- Maintenance up to very intensive duties
- Drilling hole capacity up to 1/2" (13mm) diameter in steel
- Extra-support side handle recommended for better handling with larger drilling capacity and higher torque

**Angle drills**
- Ideal for restricted access application
- Drilling hole capacity to 3/8" (10mm) dia. (in steel)
- Preferred for vertical drilling

**Straight drills**
- Mainly smaller diameter drilling less than 3/8" (10mm) diameter (in steel)
- Preferred for vertical drilling

### How to select your drill tool?

#### Step 1
**Applications**
- Materials hardness
- Thickness
- Duty
- Access

#### Step 2
**Drill bits**
- Hole size
- Shapes
- Maximum cutting speed

#### Step 3
**Tools**
- Chuck size
- Chuck type / brand
- Speed
- Handle type

### Drill Bit Size Chart

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<th>MATERIAL</th>
<th>Stainless Steel</th>
<th>Forged Steel</th>
<th>Mild Steel</th>
<th>Soft Coat Iron</th>
<th>Malleable Iron</th>
<th>Brass or Bronze</th>
<th>Aluminum</th>
<th>Magnesium</th>
<th>Plastic</th>
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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.
Drilling

**CP7300R**

- 1/4" (6 mm) reversible compact drill
- - Ergonomic grip and lightweight, only 1.35 lbs (0.6 kg)
- - Progressive throttle
- - Industrial quality Jacobs chuck

**CP7300RQC**

- Same features as CP7300R with quick chuck

**CP7300R Kit**

See details on page 38

**CP7300R Kit Metric**

See details on page 38

**CP879**

- Similar features as CP887 with angle head shape & 800 rpm

**See accessories on page 38**

**CP887**

- 3/8" (10 mm) reversible in-line drill
- - High performance Jacobs chuck
- - Built-in regulator for efficient control

**CP879R-26**

- 3/8" (10 mm) reverse/forward reversible in-line drill
- - Powerful with 0.5 hp (375 W) motor
- - Teasing throttle and high-speed precision drilling
- - Industrial quality Jacobs chuck

**CP789R-26**

- 3/8" (10 mm) reversible pistol drill
- - Excellent power to weight ratio
- - Teasing throttle for progressive and safety control
- - Exclusive handle with double wings for precise drilling
- - Durable gearbox reducing maintenance cost and downtime

**CP1014P45**

- 4,500 rpm
- 0.5 hp
- 1/4" Key Chuck

**CP1114P33**

- Similar features as CP1014P45 with 3300 rpm

**CP1114P24**

- Similar features as CP1014P45 with 2400 rpm

**CP879**

- Similar features as CP887 with angle head shape & 800 rpm

**CP887**

- 3/8" (10 mm) in-line drill
- - High performance Jacobs chuck
- - Built-in regulator for efficient control

**CP789R-26**

- 3/8" (10 mm) reversible pistol drill
- - Powerful with 0.5 hp (375 W) motor
- - Teasing throttle and high-speed precision drilling
- - Industrial quality Jacobs chuck

**CP789R-42**

- Similar features as CP789R-26 with 4200 rpm

**See accessories on page 38**

**MODEL**

**PART NUMBER**

**FREE SPEED**

**POWER**

**CHUCK CAPACITY**

**MAXIMUM TORQUE**

**NET WEIGHT**

**LENGTH**

**AIR CONS.@LOAD**

**VIBRATION LEVEL**

**SOUND PRESS.**

**SOUND POWER**

**AIR INLET**

**KEY CHUCK MODELS**

**CP7300R**  894 107 3001  2700 0.3 200 1/4 6 2.2 3.0 1.3 0.6 5.0 127 16 8 2.5 88 99 1/4

**CP7300RQC**  894 107 3002  2700 0.3 200 1/4 6 2.2 3.0 1.3 0.6 5.0 127 16 8 2.5 88 99 1/4

**CP1014P24**  615 158 0050  2400 0.5 375 1/4 6 1.7 2.3 1.2 0.5 4.9 124 19 9 3.1 78 89 1/4

**CP1014P33**  615 158 0030  3300 0.5 375 1/4 6 1.3 1.8 1.2 0.5 4.9 124 19 9 2.5 78 89 1/4

**CP887**  T025376  2500 0.5 375 3/8 10 3.9 5.2 2.2 1.0 8.0 203 27 13 2.5 99 110 1/4

**CP879**  T023999  1800 0.3 200 3/8 10 3.3 4.4 2.2 1.0 8.3 210 21 10 2.5 95 106 1/4

**CP789R-26**  T025180  2600 0.5 375 3/8 10 3.0 4.1 2.5 1.1 7.0 178 30 14 2.5 101 112 1/4

**CP789R-42**  T025198  4200 0.5 375 3/8 10 1.8 2.5 2.5 1.1 7.0 178 30 14 2.5 104 115 1/4

**ALL CP1014 KEY CHUCK MODELS ARE ALSO AVAILABLE WITH KEYLESS CHUCK. PLEASE LOOK AT WWW.CP.COM**

All models: Hose int. 3/8" (10mm) - @90 PSI (6.3 Bar)

Listed specifications are for reference only. Please check documents in each tool.
0.5HP 500 RPM 3/8" KEY CHUCK

**FEATURES**
- 3/8" (10mm) industrial pistol drill with Jacobs keyed chuck
- Excellent power to weight ratio with 0.5 hp (375W) motor
- Teasing throttle for progressive and safety control
- Exclusive handle with double wings for precise drilling
- Durable gearbox reducing maintenance cost and downtime

**BENEFITS**
- Operator comfort thanks to exclusive ergonomic features
- Compact shape & light weight for easy handling and access
- Designed for intensive duty and high durability

---

1HP 900 RPM 1/2" KEY CHUCK

**FEATURES**
- 1/2" (13 mm) industrial pistol drill with Jacobs keyed chuck
- The best power to weight ratio with 1 hp (750W) motor
- Teasing throttle for progressive and safety control
- Exclusive handle with double wings for precise drilling
- Durable gearbox reduce maintenance cost and downtime

**BENEFITS**
- Improve your productivity thanks to high power
- Operator comfort thanks to exclusive ergonomic features
- Designed for intensive duty and high durability

---

1HP 2600 RPM 3/8" KEY CHUCK

**FEATURES**
- 3/8" (10 mm) industrial pistol drill with Jacobs keyed chuck
- The best power to weight ratio with 1hp (750 W) motor
- Teasing throttle for progressive and safety control
- Exclusive handle with double wings for precise drilling
- Low vibrations
- Durable gearbox reduce maintenance cost and downtime

**BENEFITS**
- Improve your productivity thanks to high power & speed
- Operator comfort thanks to exclusive ergonomic features
- Designed for intensive duty and high durability

---

See accessories on page 38

---

**MODEL** | **PART NUMBER** | **FREE SPEED** | **POWER** | **CHUCK CAPACITY** | **MAXIMUM TORQUE** | **NET WEIGHT** | **LENGTH** | **AIR CONS.** | **VIBRATION LEVEL** | **SOUND PRESS.** | **SOUND POWER** | **AIR INLET**
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---
CP1014P05 | 615 158 0190 | 500 | 0.5 | 375 | 3/8 | 10 | 9.2 | 12.5 | 1.4 | 0.6 | 5.9 | 150 | 19.0 | 9 | <2.5 | - | 78 | 89 | 1/4
CP1117P26 | 615 158 0130 | 2600 | 1.0 | 750 | 3/8 | 10 | 2.9 | 3.9 | 2.2 | 1.0 | 7.1 | 180 | 29.8 | 14 | 3.6 | 1.7 | 83 | 94 | 1/4
CP1117P60 | 615 158 0090 | 6000 | 1.0 | 750 | 3/8 | 10 | 1.2 | 1.7 | 2.2 | 1.0 | 7.1 | 180 | 29.8 | 14 | <2.5 | - | 83 | 94 | 1/4
CP1117P32 | 615 158 0110 | 3200 | 1.0 | 750 | 3/8 | 10 | 2.1 | 2.8 | 2.2 | 1.0 | 7.1 | 180 | 29.8 | 14 | <2.5 | - | 83 | 94 | 1/4
CP1117P05 | 615 158 0170 | 500 | 1.0 | 750 | 1/2 | 13 | 12.3 | 16.7 | 3.4 | 1.5 | 8.3 | 210 | 29.8 | 14 | 2.7 | 2 | 83 | 94 | 1/4
CP1117P09 | 615 158 0150 | 900 | 1.0 | 750 | 1/2 | 13 | 7.3 | 10 | 2.2 | 1.0 | 8.3 | 210 | 29.8 | 14 | 3.7 | 2.6 | 83 | 94 | 1/4

ALL CP1014P 1117 KEY CHUCK MODELS ARE ALSO AVAILABLE WITH KEYLESS CHUCK. PLEASE LOOK AT WWW.CP.COM

All models: Hose int. 3/8" (10mm) - @ 90 PSI (@6.3 Bar)

Listed specifications are for reference only. Please check documents in each tool.
Kits, Accessories & Spares

**DRILL KITS**

**CP7300R Kit Imperial**
Part No. 8941173001
Kit includes:
- (1) CP7300R Drill

**CP7300R Kit Metric**
Part No. 8941273001
Kit includes:
- (1) CP7300R Drill
- (13) Drill bits - 1.5, 2, 2.5, 3, 3.2, 3.5, 4, 4.5, 4.8, 5, 5.5, 6, & 6.5 mm

**ACCESSORIES INCLUDED**

**CHUCKS**

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<tr>
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<th>PART NO.</th>
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<td></td>
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<td></td>
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<tr>
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<td>CP1117P09</td>
<td>Chuck threaded 3/8&quot; UNF - cap 1/2&quot; (13mm) with key</td>
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<td>Key for chuck 1/2&quot;</td>
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<td>205 055 2473</td>
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<tr>
<td>CP1117P...</td>
<td>Suspension bail</td>
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**OPTIONAL ACCESSORIES**

**DRILL CHUCKS**

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<th>KEY TYPE</th>
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<td>CP879, CP887</td>
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<td>Chuck + Key</td>
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**CHICAGO PNEUMATIC**

**PRODUCTION TOOL & TECHNOLOGY**
8410 FEAGIN RD
MACON, GA 31216
TOLL FREE: 1-866-546-4663
LOCAL NUMBER: 478-781-8415
FAX: 478-781-0850

**MODEL DESCRIPTION**

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<td>CP1117P...</td>
<td>Suspension bail</td>
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**DRILL CHUCKS**

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Chipping

Needle scalers
Perfect for derusting applications, pistol or in-line needle scalers are used in almost all industries.

Chipping hammers
Pistol or in-line chipping hammers including selection of unique vibration damping body to improve operator comfort and minimize fatigue.

In-line needle scaler / Chipping hammer
Quick change 2 in 1 needle scaler and chipping hammer for less down time

How to define the right percussive?

Step 1
Applications
► Derusting
► Deburring
► After welding
► Duty
► Access

Step 2
Consumables
► Needles size and number
► Chisel type and dimensions

Step 3
Tools
► Handle type
► Vibration level
► Stroke capacity
► Bore
Chipping

Percussive tools

**CP9361**

**FEATURES**
- Air scribe with the highest durability in the market
- Hose 8ft (2.4m) length with air filter

**BENEFITS**
- Ideal for use on variety of materials such as metals, plastics, ceramics, and glass
- Easy handling
- Adjustable power for a variety of applications

**CP7111**

**FEATURES**
- Super-duty pistol grip hammer
- Positive action trigger for precise control
- Speed regulator

**BENEFITS**
- Versatile, handling a wide range of body shop applications including front end, exhaust, frame and body work
- Operator comfort

**CP7111 Hex**

Same features as CP7111 with hexagonal shank

**CP7120**

**FEATURES**
- General purpose needle scaler
- Weld flux chipping hammer
- Quick change chisel retainer
- Adjustable sleeve, 1/8" (19 x 3mm) steel needles and 1.37" (35 mm) width chisel

**BENEFITS**
- Easily converts into a chipping hammer
- Durable and economical solution
- Ideal for surface preparation

**PRODUCTION TOOL & TECHNOLOGY**
8410 FEAGIN RD
MACON, GA 31216
TOLL FREE: 1-866-546-4663
LOCAL NUMBER: 478-781-8415
FAX: 478-781-0850

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<tr>
<th>MODEL</th>
<th>PART NUMBER</th>
<th>BORE</th>
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<th>SHANK</th>
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<th>AIR CONS. @LOAD</th>
<th>WEIGHT</th>
<th>LENGTH</th>
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All models: Hose int. 1/2" (13mm) - @90 PSI (@6.3 Bar)

Listed specifications are for reference only. Please check documents in each tool.
### Chipping Percussive Tools

**CP7125**

**Covering Large Surfaces with Comfort Grip**
- General purpose needle scaler
- Rubber sleeve on handle for better comfort
- Delivered with 2 sets of needles:
  - 19 x 0.12" (3 mm) for standard usage
  - 29 x 0.08" (2 mm) for fine usage

**Benefits**
- Great for rust removal on chassis
- Great cleaning up steel wheel drums
- Ideal for surface clean-up work

---

**Heavy Industrial Needle Scalers**

**CP0951**

- Straight needle scaler for heavy industrial application
- Superior design with internal spring components provides greater durability
- Needle capacity 1.2 x 1/8" (3mm)

**Benefits**
- High durability
- Low vibration and comfort with soft grip
- Ideal tool for de-rusting and de-painting

---

**CP9356 NS**

- Same features as CP9356 NW with 1/8" square chisel

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**Needle Scalers**

**CP0952**

- Straight needle scaler for industrial application
- Versatile design with good durability
- Needle capacity 19 x 1/8" (3mm)

**Benefits**
- High durability
- Low vibration and comfort with soft grip
- Ideal tool for de-rusting and de-painting

---

### Specifications

<table>
<thead>
<tr>
<th>MODEL</th>
<th>PART NUMBER</th>
<th>BORE</th>
<th>STROKE</th>
<th>NEEDLE CAPACITY</th>
<th>BLOWS PER MINUTE</th>
<th>AIR CONSUMPTION (LOAD)</th>
<th>WEIGHT</th>
<th>LENGTH</th>
<th>VIBRATION LEVEL (ISO 28927 (m/s²))</th>
<th>SOUND PRESSURE</th>
<th>SOUND POWER</th>
<th>AIR INLET</th>
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<td>T021959</td>
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<td>28.6</td>
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<td>432</td>
<td>90/101/3</td>
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</table>

All models: Hose int. 1/2" (13mm) - @90 PSI (@6.3 Bar)

Listed specifications are for reference only. Please check documents in each tool.
Chipping

Percussive tools

**B19BV**

Similar features as B19BV with straight shape

**B18BV**

Similar features as B19BV with small Bore & Stroke

**GV5**

Vibration-Damped Chipper

**FEATURES**
- Vibration-damped needle scaler, Pistol grip
- Easily convertible to needle scaler using accessories

**BENEFITS**
- Light weight and easy to handle thanks to high engineered design
- Low vibration and ergonomic design
- Ideal for chisel scaling work such as chipping, pointing

**B16MV**

Similar features as B18MV with straight shape

**B19MV**

Same features as B18MV with larger Bore & Stroke

---

**ACCESSORIES INCLUDED**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DESCRIPTION</th>
<th>PART NO.</th>
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</thead>
<tbody>
<tr>
<td>B16BV</td>
<td>Hex Key 6 mm</td>
<td>615 802 0560</td>
</tr>
<tr>
<td>B18BV</td>
<td>1/4&quot; Air Hose Nipple for 3/8&quot; (10mm) ID hose</td>
<td>615 804 6180</td>
</tr>
<tr>
<td>B19BV</td>
<td>1 Chisel, width 1 3/8&quot; (35mm), length 7&quot; (178 mm) for B18BV &amp; B19BV</td>
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<tr>
<td>B16MV</td>
<td>Hex Key 6 mm</td>
<td>615 802 0560</td>
</tr>
<tr>
<td>B18MV</td>
<td>1/4&quot; Air Hose Nipple for 3/8&quot; (10mm) ID hose</td>
<td>615 804 6180</td>
</tr>
<tr>
<td>B19MV</td>
<td>1 Chisel, width 1 3/8&quot; (35mm), length 7&quot; (178 mm) for B18BV</td>
<td>615 804 6220</td>
</tr>
</tbody>
</table>

---

**B16BV Hammer is delivered with an angle chisel and B18BV/B19BV Hammers are delivered with standard straight chisel. All Needle Scalers are delivered with Chisel Tipped needles.**

---

**VIBRATION-DAMPED NEEDLE SCALER**

**FEATURES**
- Vibration-damped needle scaler, Pistol grip
- Easily convertible to chiper using accessories

**BENEFITS**
- Sturdy design for heavy applications
- Powerful and durable
- Ideal tool for heavy chipping or cutting applications

---

**B16MV / B18MV / B19MV**

**ACCESSORIES INCLUDED**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DESCRIPTION</th>
<th>PART NO.</th>
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</thead>
<tbody>
<tr>
<td>B16MV</td>
<td>Hex Key 6 mm</td>
<td>615 802 0560</td>
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<tr>
<td>B18MV</td>
<td>1/4&quot; Air Hose Nipple for 3/8&quot; (10mm) ID hose</td>
<td>615 804 6180</td>
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<tr>
<td>B19MV</td>
<td>1 Chisel, width 1 3/8&quot; (35mm), length 7&quot; (178 mm) for B18BV &amp; B19BV</td>
<td>615 804 6220</td>
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</tbody>
</table>

---

**GV5**

**POWERFUL PNEUMATIC HAMMER**

**FEATURES**
- Pneumatic Hammer for heavy industrial application
- Safety lever furnished
- Hex. 3/4" x 1 31/32" (19.2 x 50mm) shank

**BENEFITS**
- Sturdy design for heavy applications
- Powerful and durable
- Ideal tool for heavy chipping or cutting applications

---

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DESCRIPTION</th>
<th>PART NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>GV5</td>
<td>Chisel, width 3/4&quot; (19 mm), length 11 15/16&quot; (300mm)</td>
<td>615 804 0950</td>
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<tr>
<td></td>
<td>Pick, length 11 15/16&quot; (300mm)</td>
<td>615 804 0930</td>
</tr>
<tr>
<td></td>
<td>Scraper, width 2 23/64&quot; (60mm), length 9 27/32&quot; (250mm)</td>
<td>615 804 0970</td>
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</tbody>
</table>

---

**See accessories on page 44**

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**All models: Hose int. 3/8" (10mm) - @90 PSI (@6.3 Bar)**

**GV5: Hose int. 1/2" (13mm) - @90 PSI (@6.3 Bar)**

---

**Listed specifications are for reference only. Please check documents in each tool.**
Piston Scaler, Rapid and Hard-Hitting Features
- Single head piston scaler
- Ergonomic side-hand
- Furnished tungsten carbide tipped cross bit

Benefits
- Light weight and easy handle thanks to simple design
- Designed for versatile removal application including tight spot
- Ideal for removal of thick scale, heavy corrosion and hard coating

Flexible and low air consumption
Handy handle length 43” (1,100mm) covers all basic application

Longest reach handle 68” (1,730mm) enable the widest scaling work

Aluminum body to reduce weight
Lightweight suitable for vertical work

Kits & Accessories

Hammers Kits

CP7111 Kit
Part No. 8941711110
Kit includes:
- (1) CP7111 Hammer
- (4) Chisels

CP7111 HEX Kit
Part No. 8941711111
Kit includes:
- (1) CP711 HEX Hammer
- (4) Chisels

CP9361-1 Kit
Part No. T011970
Kit includes:
- (1) CP9361 Air Scribe
- Stylus - carbide tipped
- Anvil is for use with chisels and blank
- Flat Chisel
- Chisel Blank
- Round Nose Chisel
- Carrying Case

Needle Sets for CP9356NS, CP0951 & CP0952

<table>
<thead>
<tr>
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<th>Part No.</th>
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<tr>
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<td>180</td>
<td>Steel Needle flat set (Qty 29)</td>
</tr>
<tr>
<td>5/64</td>
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<td>180</td>
<td>Steel Needle flat set (Qty 53)</td>
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<td>1/8</td>
<td>3</td>
<td>127</td>
<td>Steel Needle flat set (Qty 19)</td>
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<tr>
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<td>3</td>
<td>180</td>
<td>Steel Needle flat set (Qty 12)</td>
</tr>
<tr>
<td>1/8</td>
<td>3</td>
<td>180</td>
<td>Steel Needle flat set (Qty 23)</td>
</tr>
<tr>
<td>1/8</td>
<td>3</td>
<td>180</td>
<td>Steel Needle Pak (Qty 250)</td>
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<tr>
<td>1/8</td>
<td>3</td>
<td>180</td>
<td>Steel Needle flat set (Qty 19)</td>
</tr>
<tr>
<td>1/8</td>
<td>3</td>
<td>180</td>
<td>Stainless Needle flat set (Qty 19)</td>
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## Chipping

### Accessories & Spares

#### Chisels for CP9356 & CP7120

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<td>1.37 35</td>
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<td>180</td>
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<td>3</td>
<td>7</td>
<td>180</td>
<td>0.79 20</td>
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<td>4</td>
<td>7-1/2</td>
<td>191</td>
<td>5/8 16</td>
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<tr>
<td>4</td>
<td>6-1/2</td>
<td>165</td>
<td>1-3/8 35</td>
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<td>5</td>
<td>178</td>
<td>1/8 (3mm) Needles Set. (19)</td>
<td>E94 015 9860</td>
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<tr>
<td>2</td>
<td>50</td>
<td></td>
<td>Scraper</td>
<td>E94 016 2308</td>
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<tr>
<td>7</td>
<td>178</td>
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<td>Blank Chisel</td>
<td>WP123994</td>
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<tr>
<td>7</td>
<td>178</td>
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<td>Diamond Point Chisel</td>
<td>WP123995</td>
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#### Retainers 0.401" (10.2MM)

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<th>DESCRIPTION</th>
<th>PART NO.</th>
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<tbody>
<tr>
<td>CP7111 &amp; CP714</td>
<td>Bee hive retainer</td>
<td>A046096</td>
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<tr>
<td>CP7111</td>
<td>Quick change retainer</td>
<td>A046085</td>
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<tr>
<td>CP714</td>
<td>Zip-quick retainer</td>
<td>A046094</td>
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<tr>
<td>CP7111 &amp; CP714</td>
<td>Quick change retainer</td>
<td>B94 015 8924</td>
</tr>
<tr>
<td>CP7111 &amp; CP714</td>
<td>Posi lock retainer</td>
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#### 0.401" (10.2MM) - Round Shank Chisels for CP714 & CP7111

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<td>165</td>
<td>0.63 16.0</td>
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<td>165</td>
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#### 0.401" (10.2MM) - Hexagonal Shank Chisels for CP7111Hex

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<td>178 Diamond point chisel</td>
<td>CA155782</td>
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<td>165 Twin blade panel (pipe) cutter</td>
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<td>7.0</td>
<td>178 Cold chisel</td>
<td>CA155786</td>
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<td>6</td>
<td>7.0</td>
<td>178 Straight punch</td>
<td>CA155790</td>
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<td>7</td>
<td>7.0</td>
<td>178 Spot weld splitter</td>
<td>CA155792</td>
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<tr>
<td>8</td>
<td>7.0</td>
<td>178 Tapered punch</td>
<td>CA157107</td>
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Hex Shank Set 6 pc: Set includes: rivet cutter, twin blade cutter, cold chisel, straight punch, tapered punch, spot weld splitter | CA155806 |

#### Hex. Shank 5/8" Chisel for B20-00 / B20-0 / B20-1 / B20L / B20L-1

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<td>7-1/8 200</td>
<td>615 250 5280</td>
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</table>

More Accessories available online at www.cp.com
CP offers a wide range of specialty tools to match your daily air tool needs:

- Saws
- High speed cutters
- Caulking Gun
- Riveters
- Nibbler
- Tire buffers
- Air files
Speciality Tools

CP881

3/8”/10mm stroke 9,500 rpm

CP7900
Similar features as CP881 with lighter weight

CP7901
Same features as CP881 with low vibration

CP7901 Kit
See details on page 48

CP785S

RUGGED SAW
FEATURES
- Heavy-duty reciprocating saw
- Power and speed of 9500 strokes per minute
- Strokes 3/8” (10mm)
- Adjustable guard guide
- Includes 32T saw blade

BENEFITS
- Powerful and durability
- Comfortable tool for intensive use

Good cutting control
FEATURES
- Heavy-duty nibbler
- Nibbling capacity:
  - steel up to .60" (16 gauges)
  - aluminium up to .102" (10 gauges)
- Easy access to punch and die for quick replacement
- Lever throttle for low-speed starting
- 4 optional cutting positions

BENEFITS
- Easy to operate and control
- The best for tight corners and circles
- Used for nibbling plastic, tin, aluminum, steel and other metals

See accessories on page 48

CP861

20,000 rpm

CP874
Similar features as CP861 with 22000 rpm

CP835

Durability & power
FEATURES
- Heavy-duty high speed cutter
- Rugged, energy efficient 0.5hp (375 W) motor
- Lightweight tool: 1.63 lbs (0.74kg)
- 2-7/8” (73mm) cutting wheel capacity
- Square handle design for positive grip
- Safety lever to prevent accidental start-up

BENEFITS
- Power, durability and productivity
- Excellent for cutting through composite, fiberglass, steel metal, bolts, clamps and hangars

See accessories on page 48

MODEL PART NUMBER STROKES PER MIN. AIR CONS. @LOAD NET WEIGHT LENGTH VIBRATION LEVEL ISO 28927 (m/s²) SOUND PRESS. SOUND POWER AIR INLET

<table>
<thead>
<tr>
<th>MODEL</th>
<th>PART NUMBER</th>
<th>STROKES PER MIN.</th>
<th>AIR CONS. @LOAD</th>
<th>NET WEIGHT</th>
<th>LENGTH</th>
<th>VIBRATION LEVEL</th>
<th>ISO 28927 (m/s²)</th>
<th>SOUND PRESS.</th>
<th>SOUND POWER</th>
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<td>CP7900</td>
<td>894 107 9000</td>
<td>10000</td>
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<td>2.6</td>
<td>1.3</td>
<td>0.5</td>
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</table>

All models: Hose int. 3/8” (10mm) - @90 PSI (@6.3 Bar)

Listed specifications are for reference only. Please check documents in each tool.
Speciality Tools

CP871
22,000 rpm

High Speed Tire Buffer
FEATURES
- Adjustable speed control
- Jacobs quality 3/8" (10 mm) chuck for holding buffing accessories
- Lock-off throttle to prevent accidental start-up

BENEFITS
- Ideal for patchwork, roughing areas for recapping and cleaning tire moldings

CP9882

Heavy Pulling & Ergonomic
FEATURES
- Compact Air riveters
- 1/4" (6.4 mm) max. capacity
- Heavy pulling: up to 3530 lbs (1.6 T)
- Low vibrations
- Includes: 3/16", 1/4", 1/4" monobolt (4.8, 6.4, and 6.4 mm monobolt) nose pieces
- Includes jaws, syringe, service wrenches and oil bottle

BENEFITS
- Enlarge applications coverage
- Durable, reliable and easy to service
- Maximize operator comfort

See accessories on page 48

CP873
Similar features as CP871 with low speed (2800 rpm)

CP871 Kit
See details on page 48

CP873 Kit
See details on page 48

CP9710
20,000 rpm

Powerful & Precise
FEATURES
- Air file 0.4" (10 mm) stroke
- Lock-off throttle to prevent accidental start-up
- 360° swivel air inlet
- Rubber handle grip
- Includes 4 types of file: flat, half round, round, triangular

BENEFITS
- Excellent tool for use in confined areas or for precise work
- Deburring or sharpening sheet metal, iron or plastic

See accessories on page 48

CP9705
Similar features as CP9710 with Air file 0.2" (5 mm) stroke and 12000 stroke/min

CP9705 Kit
See details on page 48

CP9710
Similar features as CP9705 with 0.2" (5 mm) stroke and 12000 stroke/min

CP9885

Caulking Gun
FEATURES
- Material flow controlled by trigger
- Accepts standard cartridges: 2" x 8-1/2" (50x210 mm)

BENEFITS
- Labor time saving
- Easy to handle
- Operator comfort

PRODUCTION TOOL & TECHNOLOGY
8410 FEAGIN RD
MACON, GA 31216
TOLL FREE: 1-866-546-4463
LOCAL NUMBER: 478-781-8415
FAX: 478-781-0850
Speciality Tools

Kits & Accessories

CP7901 Kit
Part No. 894 107 9010
Kit includes:
- (1) Heavy duty saw CP7901
- (5) Each 18T, 24T, 32T blades
- (1) Swivel inlet in a heavy duty case

CP871 Kit
Part No. T025420
Kit includes:
- (1) Tire buffer CP871
- (1) Whip hose and exhaust hose

CP873 Kit
Part No. T024362
Kit includes:
- (1) Tire buffer CP873
- (1) Whip hose and exhaust hose

Optional Accessories

SAW BLADE FOR CP7901

<table>
<thead>
<tr>
<th>ACCESSORIES</th>
<th>PART NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>18T Saw blades (5)</td>
<td>894 015 8775</td>
</tr>
<tr>
<td>24T Saw blades (5)</td>
<td>894 015 8776</td>
</tr>
<tr>
<td>32T Saw blades (5)</td>
<td>894 015 8777</td>
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</tbody>
</table>

SAW BLADE FOR CP7900

<table>
<thead>
<tr>
<th>ACCESSORIES</th>
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<tbody>
<tr>
<td>18T Saw blades (5)</td>
<td>CA146719</td>
</tr>
<tr>
<td>24T Saw blades (5)</td>
<td>CA146720</td>
</tr>
<tr>
<td>32T Saw blades (5)</td>
<td>CA146721</td>
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</table>

WHEEL FOR CP874

<table>
<thead>
<tr>
<th>ACCESSORIES</th>
<th>PART NUMBER</th>
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</thead>
<tbody>
<tr>
<td>Package of 5 wheels (ø 2-7/8&quot;x1/16&quot;x3/8&quot; - 73x1.6x9.52mm)</td>
<td>CA155312</td>
</tr>
</tbody>
</table>

WHEEL FOR CP861

<table>
<thead>
<tr>
<th>ACCESSORIES</th>
<th>PART NUMBER</th>
</tr>
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<tbody>
<tr>
<td>Package of 5 wheels (ø 2-7/8&quot;x1/16&quot;x3/8&quot; - 73x1.6x9.52mm)</td>
<td>CA155312</td>
</tr>
</tbody>
</table>

PUNCH FOR CP835

<table>
<thead>
<tr>
<th>ACCESSORIES</th>
<th>PART NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Punch set</td>
<td>KF137310</td>
</tr>
<tr>
<td>Die</td>
<td>KF137273</td>
</tr>
</tbody>
</table>

SHANK FILE FOR CP9705 AND CP9710

<table>
<thead>
<tr>
<th>ACCESSORIES</th>
<th>PART NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.2&quot; (5mm) Shank file rectangular (5)</td>
<td>205 051 9113</td>
</tr>
<tr>
<td>0.2&quot; (5mm) Shank file round (5)</td>
<td>205 051 9123</td>
</tr>
<tr>
<td>0.2&quot; (5mm) Shank file half round (5)</td>
<td>205 051 9133</td>
</tr>
<tr>
<td>0.2&quot; (5mm) Shank file triangular (5)</td>
<td>205 051 9143</td>
</tr>
<tr>
<td>Swivel air inlet</td>
<td>205 052 3733</td>
</tr>
</tbody>
</table>
Chicago Pneumatic Air Preparation Units are designed to help you get maximum performance from your tools. They ensure minimal pressure drop and thus minimum energy losses in the air distribution system, benefiting the environment and cutting your operating costs. The lifetimes of your tools will be extended by using air preparation units and with that comes lower repair costs and less downtime. A correct air installation guarantees productivity and good total economy.

How to select your Air Line Accessories?

<table>
<thead>
<tr>
<th>Step 1</th>
<th>Air Line Audit</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Compressor</td>
</tr>
<tr>
<td></td>
<td>Pressure</td>
</tr>
<tr>
<td></td>
<td>Network setting</td>
</tr>
<tr>
<td></td>
<td>Process / Tools</td>
</tr>
<tr>
<td></td>
<td>Duty</td>
</tr>
<tr>
<td></td>
<td>Environment</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Step 2</th>
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<tbody>
<tr>
<td></td>
<td>FRL</td>
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<tr>
<td></td>
<td>Hole size</td>
</tr>
<tr>
<td></td>
<td>Hose Length</td>
</tr>
<tr>
<td></td>
<td>Hose Type</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Step 3</th>
<th>Coupling</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Profile</td>
</tr>
<tr>
<td></td>
<td>Tool inlet size</td>
</tr>
<tr>
<td></td>
<td>Speed</td>
</tr>
<tr>
<td></td>
<td>Hose Diameter</td>
</tr>
</tbody>
</table>
Air Line Accessories

FILTERS, REGULATORS, LUBRICATORS

Why should you use a filter, regulator and lubricator?

The use of a filter, regulator and lubricator (in that order) for pretool air preparation is strongly recommended by Chicago Pneumatic. Proper air preparation will result in improved tool performance and increased tool life. The units should be mounted as close to the tool as possible, preferably right where the tool hose is connected to the system. To realize their full value, these units should be checked on a regular assigned basis by maintenance workers or the operators themselves.

AIR FILTER

Filter separates impurities such as water and solid particles.

Not using filters in combination with air tools leads to shorter service life, higher maintenance costs and lower efficiency. Old air systems with cool dryers, for instance, generate a lot of rust and running tools without installing a filter could damage the tool in less than a week. Chicago Pneumatic filters separate up to 98% of the water when operating within their working range. All the types (Small, Medium and Big) are very low pressure drop.

High air flow capacity: up to 220 cfm (100 l/s) to cover most of the pneumatic tool needs. Available in kits: 1/2", 3/4", BSP or NPT, 2 or 3 stages units or individual units. Durable design including quick release bayonet metal bowls for rough working environments.

REGULATOR

The regulator ensures that the pre-set working pressure remains constant - regardless of pressure variations in the intake air and minor variations in the airflow rate. For example, a pressure of 1 bar higher than necessary results in a 16% increase in air consumption. Spring controlled regulators are quick acting and therefore should be used for all types of air tools.

LUBRICATORS

If lubricators are not used, tool motor vanes will need to be changed more often. The life of the vanes may decrease to as little as 1/10th of the normal working time. The oil fog lubricator is the most common type of lubricator. It supplies a mist of oil to the air hose.

THE FLEXIBILITY OF AIR-FLEX

The Air-Flex makes all rigid hoses flexible and multi-directional. Easy: less effort due to hose rigidity, makes work easier in hard to reach areas. Comfort and safety: no twisting, the hose remains in the ideal working position and lower the risk of tendinitis. Less wear: no more premature hose wear.
Hoses have a standard pressure drop per length. To avoid performance problems in the tool, if the hose is too long, you must increase the diameter of it.

### EFFI MAX HOSES

Effi max is the unique range of CP Brand rubber hose. Its construction allows a thinner wall for the same working pressure. This result in a light weight and more flexible hose

#### RUBBER HOSES

- **Aimed to generic grinding applications**
  - External low weight
  - Antistatic
  - Rubber hose
- **Soft and flexible**
- **Welding spatter resistant**

<table>
<thead>
<tr>
<th>Dimensions (IDxOD)</th>
<th>Length</th>
<th>Air Flow</th>
<th>Weight</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>in.</td>
<td>mm</td>
<td>ft</td>
<td>m</td>
<td>cfm</td>
</tr>
<tr>
<td>3/8</td>
<td>9.5x12.5</td>
<td>65.6</td>
<td>20</td>
<td>27.6</td>
</tr>
<tr>
<td>1/2</td>
<td>13x18.6</td>
<td>65.6</td>
<td>20</td>
<td>44.5</td>
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<tr>
<td>5/8</td>
<td>16x22.5</td>
<td>65.6</td>
<td>20</td>
<td>91.1</td>
</tr>
<tr>
<td>3/4</td>
<td>20x26.1</td>
<td>65.6</td>
<td>20</td>
<td>159</td>
</tr>
</tbody>
</table>

### EFFI MAX HOSE WHIPS

Always use a hose whip between the tool and the air supply hose. It provides safety and longer tool air inlet life.

<table>
<thead>
<tr>
<th>Hose Dia.</th>
<th>Thread Size</th>
<th>Hose Length</th>
<th>Air Flow</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>in.</td>
<td>mm</td>
<td>in.</td>
<td>ft</td>
<td>m</td>
</tr>
<tr>
<td>3/8</td>
<td>10</td>
<td>1/4</td>
<td>2.0</td>
<td>0.8</td>
</tr>
<tr>
<td>1/2</td>
<td>13</td>
<td>3/8</td>
<td>2.0</td>
<td>0.8</td>
</tr>
<tr>
<td>1/2</td>
<td>13</td>
<td>1/2</td>
<td>2.0</td>
<td>0.8</td>
</tr>
<tr>
<td>5/8</td>
<td>16</td>
<td>1/2</td>
<td>2.0</td>
<td>0.8</td>
</tr>
</tbody>
</table>

### CUSTOMERS BENEFITS

- No hoses on the ground for improved safety
- From 3.3 to 33 ft / 49 or 52 ft (1 to 10 / 15 or 16 m) hose lengths with feedback force for a clean work space
- Directional swivel-plate to help you correctly reach your application
- High airflow for maximum productivity
- Lightweight and flexible polyurethane hose to reduce operator fatigue
- Open Reels with rubber hose available for heavy-duty grinding/spark areas
- Working temperatures: -30°C+ 60°C (-4°F +140°F)

<table>
<thead>
<tr>
<th>Hose Diameter</th>
<th>End Cap</th>
<th>Length</th>
<th>Air Flow</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>in.</td>
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<td>0.8</td>
</tr>
</tbody>
</table>

#### RUBBER HOSE REEL (AIR / WATER)

**A**
- HRO M / Hose Reel Medium Open Steel Series
- Heavy-duty air hose reel in industrial quality
- Airflow > 17.6 cfm (8.5 l/s)

**B**
- HRO L / Hose Reel Large Open Steel Series
- Heavy-duty air hose reel in industrial quality
- Airflow > 33.6 cfm (16 l/s)

**C**
- CP9445H 3/8HD / Hose Reel 50FT 15M
- CP9455H 1/2HD / Hose Reel 50FT 15M
- Steel Series
- Heavy-duty air hose reel in industrial quality

### CUSTOMER BENEFITS

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### DIMENSIONS

<table>
<thead>
<tr>
<th>ID Length</th>
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</tr>
</tbody>
</table>

### EFFI MAX HOSE WHIPS

- **Aimed to generic grinding applications**
  - External low weight
  - Antistatic
  - Rubber hose
- **Soft and flexible**
- **Welding spatter resistant**

### RUBBER HOSES

- **Aimed to the most demanding tasks in construction, mining, shipyards, foundries etc.**
  - Durable
  - Antistatic
  - Grinding and welding spatter resistant

**Hoses**
Selecting a hose first depends on the working environment. The environments are evaluated according to the Working temperature, level of usage, presence of oil ...

With such inputs you can select the correct material of hose for the application. The most common hose materials are: Rubber, PVC and Polyurethane.

Air Flow is an important point to be checked. The diameter of the hose shouldn’t be smaller than the recommended flow for your tool, otherwise the pressure drop can be higher than expected.

Hoses have a standard pressure drop per length. To avoid performance problems in the tool, if the hose is too long, you must increase the diameter of it.

### EFFI MAX HOSES

- **Aimed to generic grinding applications**
  - External low weight
  - Antistatic
  - Rubber hose
- **Soft and flexible**
- **Welding spatter resistant**

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### CUSTOMER BENEFITS

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- Working temperatures: -30°C+ 60°C (-4°F +140°F)
Air Line Accessories

CP gives you the right selection of accessories to get the best from your tool.

**KIT: NPT + EASY FLOW ASIA 7.5MM**

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>KIT CONTENT</th>
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</thead>
<tbody>
<tr>
<td>615 398 0385</td>
<td>3/4” BSP Ball valve + 2 Stage 3/4” FRL + 3/4” EF Coupling EURO 10.4mm</td>
</tr>
</tbody>
</table>

**KIT: BSP + EASY FLOW EURO SERIES COUPLINGS/NIPPLES**

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>KIT CONTENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>615 398 0365</td>
<td>1/2” BSP Ball valve + 2 Stage 1/2” FRL + 1/2” EF Coupling EURO 7.6mm</td>
</tr>
</tbody>
</table>

**KIT: NPT + EASY FLOW ISO 6150B MIL-C4109 COUPLINGS/NIPPLES**

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>KIT CONTENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>615 398 0555</td>
<td>Hose Kit: 1/4” EF Nipple EURO 7.6mm + 8m 3/8” Polyurethane hose + EF Coupling EURO 7.6mm</td>
</tr>
</tbody>
</table>

For more information, visit us at: www.cp.com
<table>
<thead>
<tr>
<th>MODEL</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>PAGE</th>
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<tr>
<td>CP6460</td>
<td>615 174 0620</td>
<td>Impact Wrenches 1&quot;</td>
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<tr>
<td>CP6920</td>
<td>615 190 6020</td>
<td>Impact Wrenches 15</td>
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<tr>
<td>CP7222</td>
<td>615 197 0150</td>
<td>Percussive tools Sockets</td>
<td>40</td>
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<tr>
<td>CP7223</td>
<td>615 197 1200</td>
<td>Percussive tools Chippers &amp; sockets</td>
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</tr>
<tr>
<td>CP7224</td>
<td>615 194 1250</td>
<td>Percussive tools Needle sockets</td>
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<td>Impact Wrenches 15</td>
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</tr>
</tbody>
</table>

Chicago Pneumatic Tools follows a policy of continuous product improvement. Specifications and descriptions are thus subject to change without notice. Check the online catalog at www.cp.com for the latest product information.
General Safety Instructions
for the Operation of Power Tools

The goal of Chicago Pneumatic is to produce tools that help the operator work safely and efficiently. The most important safety device for this or any tool is the operator. Care and good judgement are the best protection against injury. All possible hazards cannot be covered here, but we have tried to highlight some of the important ones. Individuals should look for and obey Caution, Warning and Danger Signs placed on tools, and displayed in the workplace. Operators should read and follow safety instructions packed with each tool. For a copy of these instructions, contact your nearest Chicago Pneumatic representative or www.cp.com.

Learn how each tool works. Even if you have previously used similar tools, carefully check out each tool before you use it. Get the "feel" of it and know capabilities, limitations, potential hazards, how it operates and how it stops.

WARNING
Multiple Hazards. Read and understand safety instructions supplied with tool before operating or servicing. Failure to do so can result in serious bodily injury.

All tools are designed to operate on a air line pressure of 6.3 bar +/- 0.15 bar in accordance with ISO2787, 8NTC1.2. Sound levels +/- 3dB(A)* are measured in accordance with EN ISO15744. Vibration values* are measured in accordance with ISO8662 & ISO28927

*These declared values were obtained by laboratory type testing in accordance with the stated standards and are suitable for comparison with the declared values of other tools tested in accordance with the same standards. These declared values are not adequate for use in risk assessments and values measured in individual work places may be higher. The actual exposure values and risk of harm experienced by an individual user are unique and depend upon the way the user works, the workplace and the workstation design, as well upon the exposure time and the physical condition of the user.

We, Chicago Pneumatic, cannot be held liable for the consequences of using the declared values, instead of values reflecting the actual exposure, in an individual risk assessment in a work place situation over which we have no control.

Compressed Air Hazards
• Air under pressure can cause injury. Never point an air hose at yourself or anyone else. Never blow your clothes free of dust with compressed air. Always direct exhaust air away from yourself and others in the work area.
• Always check for damaged or loose hoses and fittings before using an air tool, and replace if necessary. Whipping hoses can cause serious injury.
• Disconnect the tool from the air supply when not in use, before changing accessories, setting the torque, or when making repairs.
• Do not exceed rated air pressure to increase the output of the tool. This could cause injury and shorten tool life.
• Do not assemble quick coupler on the tool. Vibration can cause breakage resulting in a whipping air hose. Instead, use quick couplers on the end of a short leader hose.
• When universal twist couplings are used, lock pins must be installed to prevent accidental hose disconnection.
• Air tools are not intended for use in explosive atmospheres and are not insulated for contact with electric power sources.

Projectile Hazards for all air tools
• Always wear impact resistant eye and face protection when involved with or near the operation or the repair of air tools.

Breathing Hazards
• Proper breathing protection must be worn when working with materials which produce airborne particles.

Noise Hazards
• Hearing loss can result from prolonged exposure to excessive sound levels.
• Use hearing protection as recommended by your employer or OSHA regulation (see 29 CFR part 1910).

Vibration Hazards
• Repetitive work motions, awkward positions and exposure to vibration may be harmful to your hands and arms.
• If numbness, tingling, pain or whitening of the skin occurs, stop using tool and consult a physician.

Entanglement Hazards
• To reduce the risk of injury from entanglement, do not wear loose clothing when using rotating accessories.

Additional Hazards
• Slip/Trip/Fall is a major cause of serious injury or death. Beware of excess hose/cord left on the walking or work surface.
• Operators and maintenance personnel must be physically fit to perform job tasks, and handle the bulk, weight and power of the tool.
• Deburring tools should be used to reduce risk of cuts and abrasions due to burrs.
• Wear gloves to protect hands from sharp edges.
Specific Safety Instructions for Power Tool Groups

In addition to the General Safety Instructions, the following are safety instructions and warnings that apply to the safe operation of specific power tool groups. Consult ANSI B186.1 Safety Code for Portable Air Tools. Available from: America National Standards Institute (ANSI), 11 W. 42nd St., 13th floor, New York, New York 10036, (212) 642-4900; or the European Committee for Standardization, Rue de Stassart 36, 1050 Brussels, Belgium.

**Impact Wrenches**

- Never use hand sockets. Use only impact sockets in good condition. Sockets in poor condition reduce impact power and could also shatter, resulting in personal injury.
- When using a universal joint, never free run the tool; it may run too fast and cause the joint to be thrown from the tool.
- Always use the simplest hook-up possible. Long springy extension bars and adapters absorb impact power and could break loose resulting in personal injury. Instead, use deep sockets whenever possible.
- For tools using the pin and o-ring socket retainer, use the o-ring to securely retain the socket pin.

**Abrasives**

- Never mount a grinding wheel on a sander.
- Never use a grinding wheel marked with a speed lower than the rated air grinder speed.
- All grinding wheels and polishing/sanding accessories should be checked for cracks or other damage before mounting and use.
- Always use the recommended wheel guard to prevent injury when performing grinding operations. If a guard has withstood wheel or disc breakage, it must be replaced.
- Position a guard between the grinding wheel or disc and the operator. Use barriers to protect others from fragments and grinding sparks.
- Make sure grinding wheels are mounted according to manufacturer’s specifications; always use correct mounting flanges.
- Before grinding, test grinding wheel or disc by briefly running tool at full throttle. Be sure to use a barrier (such as under a heavy work table) to protect yourself from possible broken wheel parts.
- Never tamper with or remove a speed governor from a tool to make it run faster. Periodically check tool speed with a tachometer.

**Assembly Tools**

- Serious injury can result from over-torqued or under-torqued fasteners, which can break or loosen and separate.
- Released assemblies can become projectiles. Assemblies requiring a specific torque must be checked using a torque meter.

**Drills**

- Keep away from rotating bit and chuck. You can become cut or burned if you come in contact with the drill bit, chips or work surface.
- Use intermittent drill pressure to avoid long shaved chips.
- The drill bit can suddenly bind and cause the work piece or tool to rotate causing arm and shoulder injuries.
- ANSI recommends use of a support handle on drills with a chuck larger than 3/8” (10 mm).

**Hammers**

- All chisels, rivet sets and other accessories should be checked for cracks, excessive wear, or other physical damage before each use. Accessories that show signs of damage should be replaced immediately.
- Never use a tool without the proper accessory retainer.

**Accessories**

- Always use accessories of correct size and design for the tool. Tool and accessories must not be modified in any way.
- Never use a tool without the proper accessory retainer.

See Safety Requirements for Abraiding Materials with Coated Abrasives (B7.7) from ANSI.

Conversion Table

<table>
<thead>
<tr>
<th>LENGTH</th>
<th>1 Inch (in.)</th>
<th>0.0254 m</th>
<th>25.4 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Foot (ft.)</td>
<td>0.3048 m</td>
<td>304.8 mm</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>WEIGHT</th>
<th>1 Ounce (oz.)</th>
<th>0.02835 kg</th>
<th>28.35 g</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Pound (lb.)</td>
<td>0.454 kg</td>
<td>454 g</td>
<td></td>
</tr>
<tr>
<td>1 kg</td>
<td>2.2046 lb</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| VOLUME         | 1 US Gallon   | 3.785 l    |         |

<table>
<thead>
<tr>
<th>POWER</th>
<th>9.8067 W</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 kpm/s</td>
<td></td>
</tr>
<tr>
<td>1 hp</td>
<td>745.7 W</td>
</tr>
<tr>
<td>1 kW</td>
<td>1.3410 hp</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TORQUE</th>
<th>9.8067 Nm</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 kpm</td>
<td></td>
</tr>
<tr>
<td>1 ft-lb</td>
<td>1.3558 Nm</td>
</tr>
<tr>
<td>1 in-lb</td>
<td>0.1130 Nm</td>
</tr>
<tr>
<td>1 Nm</td>
<td>0.1020 kpm</td>
</tr>
<tr>
<td>1 Nm</td>
<td>0.1376 ft-lb</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>AIR PRESSURE</th>
<th>100 kPa</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 bar</td>
<td></td>
</tr>
<tr>
<td>1 kpm/cm² (at)</td>
<td>98.6655 kPa</td>
</tr>
<tr>
<td>1 psi</td>
<td>6.8945 kPa</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>AIR FLOW</th>
<th>166667 l/s</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 m³/min</td>
<td></td>
</tr>
<tr>
<td>1 ft³</td>
<td>0.4720 l/s</td>
</tr>
<tr>
<td>1 cm³</td>
<td>0.2778 l/s</td>
</tr>
<tr>
<td>1 m³</td>
<td>2.1189 cm³</td>
</tr>
</tbody>
</table>

Conversion Table
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