



**Chicago  
Pneumatic**

# **INDUSTRIAL TOOLS**

**FOR OIL, GAS AND PETROCHEMICAL**



**People. Passion. Performance**

# CP Global Presence

**Since 1901**

our tools, compressors and equipment have helped building many of America's landmarks



**Today, you'll find us anywhere you operate.**



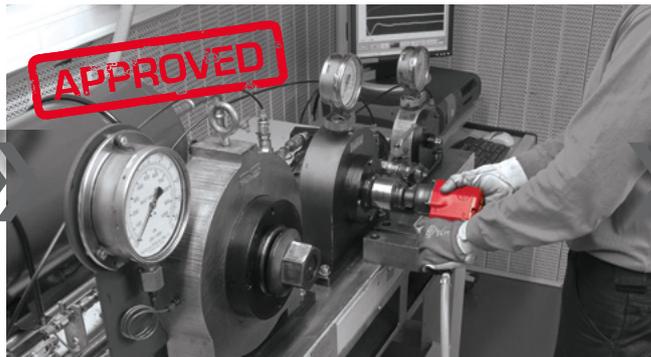
With manufacturing facilities, design centers, local customer centers and thousands of distributors around the world, you can be sure that Chicago Pneumatic is alongside you.

For Chicago Pneumatic people, performance isn't just about products. We value our end-users', distributors' and business partners' performance, and do our best everyday to make it easy to work with Chicago Pneumatic globally and locally.



**At Chicago Pneumatic, quality is a priority!**

To guarantee high performance, strict testing and quality inspections are conducted throughout the production, delivery and post sale.



## People. Passion. Performance.

# CP Added Values

## Our focus on your industry

Chicago Pneumatic Tools offers hundreds of quality air tools designed for the specific needs of the oil, gas and petrochemical industry. Based on decades of expertise in providing the right tools and equipment to professionals, we have developed a complete new range to fulfill our customers' expectation and cover all your oil, gas and petrochemical applications needs.



## A clear and ambitious strategy

Chicago Pneumatic is 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 about the latest 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.



### People. Passion. Performance.

- Products 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.



# PASSION FOR YOUR BUSINESS

Whether you build an offshore platform or you work on a refinery shutdown, you fight daily for reducing operational downtime.

Chicago Pneumatic helps you to get the job done with a wide range of versatile, robust and user-friendly tools. To meet your specific needs, we offer a complete portfolio of reliable air tools, hydraulic tools, original spare parts and accessories with guaranteed quality.

To ensure the high durability of our tools and keep you productive at all times, strict testing and quality inspections are standard throughout all Chicago Pneumatic engineering, production, delivery and aftersales process.

Chicago Pneumatic offers one of the most extensive range of grinders, drills, percussive tools, impact wrenches and hydraulic bolting solutions of the market to cover all your jobs from the simplest to the most demanding ones.



**Chicago  
Pneumatic**

# Oil, Gas & Petrochemical Key Applications

A COMPREHENSIVE TOOL PORTFOLIO TO MEET YOUR NEEDS



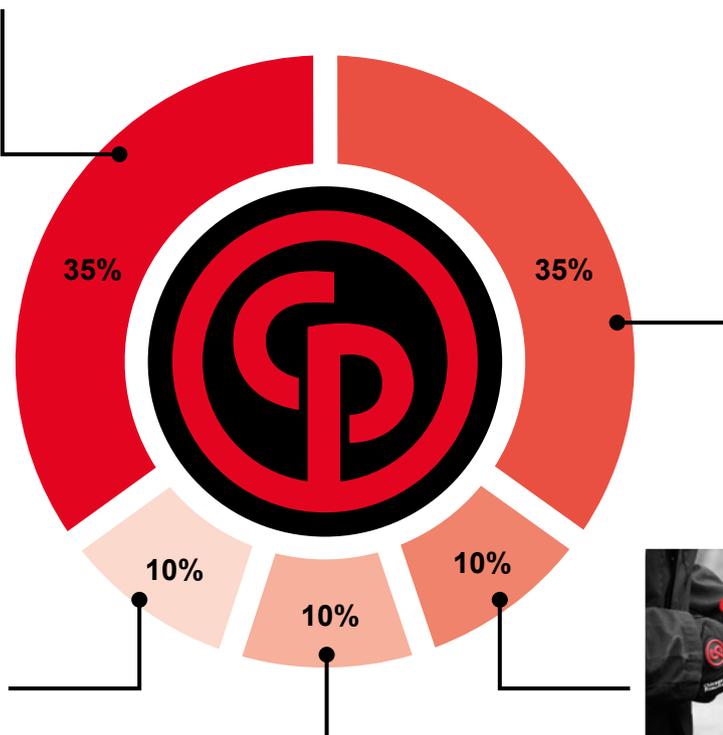
**PNEUMATIC BOLTING**  
**PAGE 8**



**HYDRAULIC BOLTING**  
**PAGE 10**



**CUTTING &  
GRINDING**  
**PAGE 12**



**FINISHING**  
**PAGE 18**

**ACCESSORIES**  
**PAGE 19**

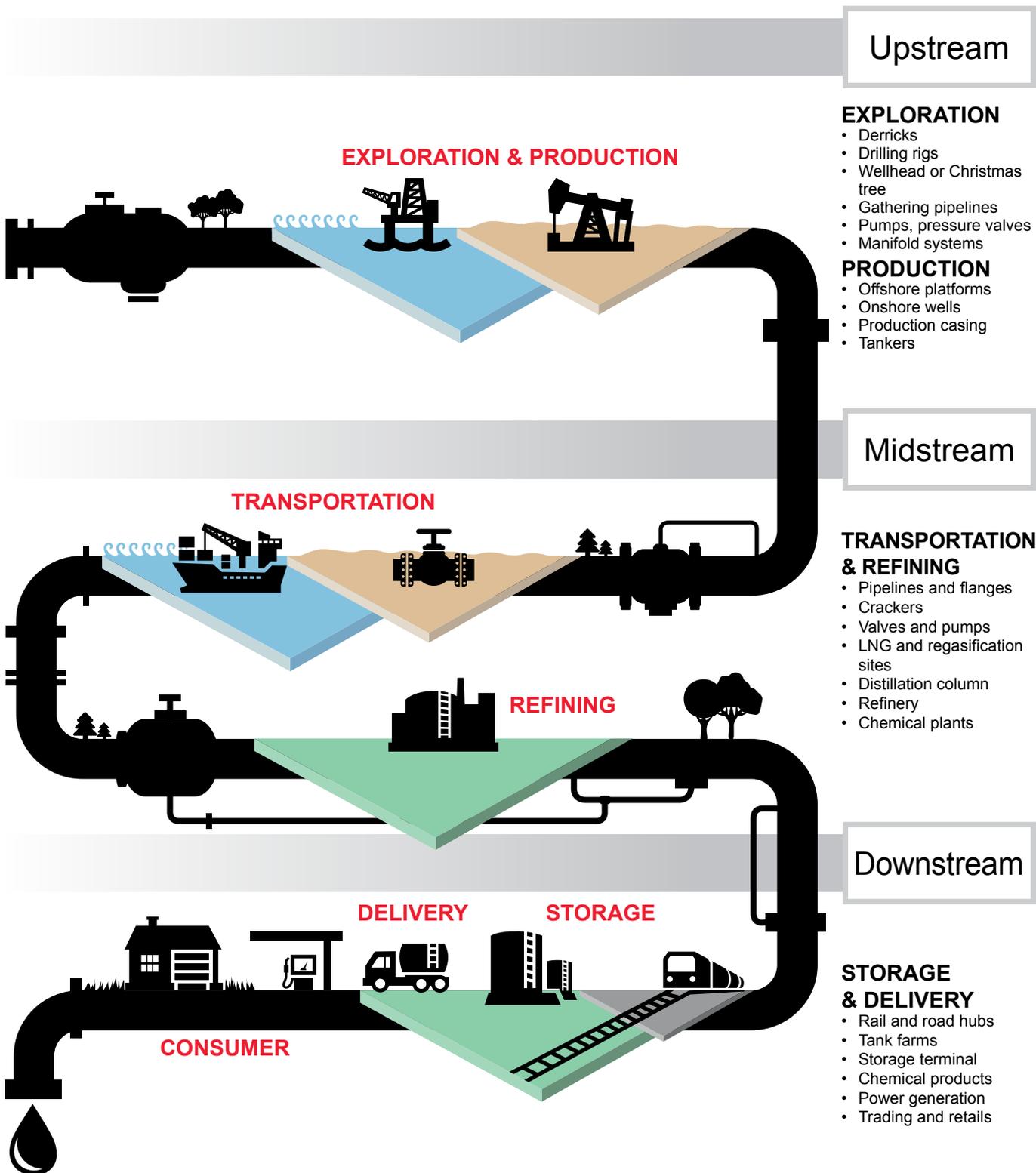


**DRILLING**  
**PAGE 16**



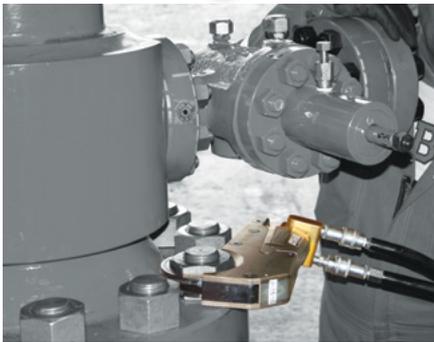
**CHIPPING**  
**PAGE 14**

# Oil, Gas & Petrochemical Flow Overview



## Construction & Commissioning

- Bolting
- Cutting and grinding
- Welding and chipping



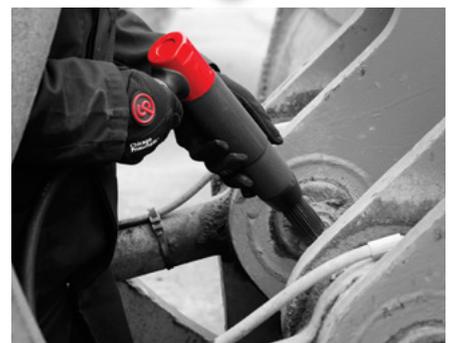
## Maintenance & Turnaround

- Cutting and grinding
- Bolting
- Drilling and chipping



## Decommissioning & Abandonment

- Cutting
- Bolting
- Chipping



# Pneumatic Bolting Applications



**APPLICATIONS:**

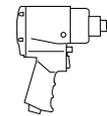
- Nuts and bolts loosening in reverse and fast rundown on forward
- Flanges, pipes, pumps and valves disassembly during the shutdowns
- Stationary equipment maintenance, such as crackers, heat exchangers or rental fleet, during intensive shutdown / turnaround time

**CP BENEFITS: FULL RANGE FROM 1/2" UP TO 2-1/2"**

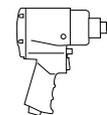
- Superlative performances
- Superior quality and spares support to reduce downtime
- Great ergonomics and comfort even in harsh environment
- ATEX range CP67X8 series



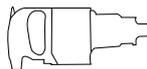
## RECOMMENDED IMPACT WRENCHES



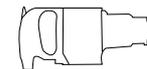
**CP6748EX  
CP6768EX  
CP6778EX**



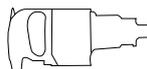
**CP6060  
CP6070**



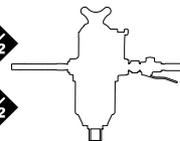
**CP0611  
Series**



**CP6120  
Series**



**CP6135  
Series**



**CP T-Handle  
Series**

**COMPLEMENTARY INDUSTRIAL RANGE:**



**CP6500  
Series**



**CP67X3  
Series**



**CP69  
Series**



## ATEX Focus

The **ATEX directive** consists of two EU directives describing what **equipment** (ATEX 95: 94/9/EC) and **work environment** (ATEX 137: 99/92/EC) is allowed in an environment with an explosive atmosphere (ATEX comes from the french wording "ATmosphères **EX**plosibles").

Since July 2003, organizations in EU (and also in many others regions) must follow the directives to protect employees from explosion risk in areas with an explosive atmosphere. **The new ATEX directive** (2014/34/ EU published on Saturday 29 March 2014) **will be mandatory for manufacturers and operators on 20 April 2016** as is stated in article 44 of the directive. This new ATEX directive should become the Safety reference, even outside of the European Union.

# Hydraulic Bolting Applications

**APPLICATIONS:**

- Very high load bolting is used when traditional assembly solutions are not sufficient to ensure joint integrity or joint access, for example on oil rigs, pipes and valves assembly
- Flanges, pipes, pumps and valves assembly / disassembly during the shutdowns
- Stationary equipment maintenance, such as crackers, heat exchangers or rental fleet, during intensive shutdown / turnaround time

**CP BENEFITS: ROBUST, VERSATILE AND POWERFUL HYDRAULIC SOLUTIONS**

- Excellent power to weight ratio for easy, powerful and accurate bolting
- High durability even in harsh environment



**RECOMMENDED HYDRAULIC TOOLS**



From  $\frac{3}{4}$   
To  $2\frac{1}{2}$

**T Series**

From  $\frac{3}{4}$   
To  $6\frac{1}{8}$

**LP Series  
Low Profile**

From  $1\frac{13}{16}$   
To  $3\frac{1}{8}$

**ST Series  
SUPERTHIN®**

**PUMPS  
Series**  
EXE - Electric  
EXA - Pneumatic

**COMPLEMENTARY ACCESSORY RANGE:**

From  $1$   
To  $4\frac{3}{16}$

**TRI-HOLD®  
Back-up  
Wrenches**

**Steel twinline  
hose assembly**

**Full range  
of extended arms,  
reaction paddles  
and drive adapters**

<b>Conversion table</b>	<b>TRI-HOLD</b>	<b>in.</b>	From 1 to 4 $\frac{3}{16}$	<b>LP SERIES</b>	<b>in.</b>	From $\frac{3}{4}$ to 6 $\frac{1}{8}$	<b>ST SERIES</b>	<b>in.</b>	From 1 $\frac{13}{16}$ to 3 $\frac{1}{8}$
		<b>mm</b>	From 26 to 107		<b>mm</b>	From 19 to 155		<b>mm</b>	From 46 to 80



# TITAN<sup>®</sup>

BY CHICAGO PNEUMATIC



## TITAN Bolting Solutions

Following its recent acquisition, Titan Technologies' bolting solutions has been added to the Chicago Pneumatic Tools product portfolio of high quality power tools. **The integration means that Chicago Pneumatic Tools now has a more complete offering, and is able to respond to all customers' requirements for industrial bolting tools.**

Titan's products include powerful hydraulic torque wrenches, pumps and accessories for bolting applications in the **oil and gas, petrochemical**, wind energy, power generation, mining and construction industries. Very **high load bolting** is used when traditional assembly solutions are not sufficient to ensure **joint integrity or joint access, for example on oil rigs, in wind farms, ship building and for bridges.**

# Cutting & Grinding Applications

**THE ULTIMATE MATERIAL REMOVAL RANGE**

**APPLICATIONS:**

- Flanges, pumps, valves rust and paint removal
- Bolts and pipes cutting
- Welding preparation and weld seam cleaning
- Cleaning with brushes or flap wheels

**CP BENEFITS: FULL RANGE OF DIE AND ANGLE GRINDERS**

- Ultimate performance for maximum productivity
- Highest durability with up to 2,000 hours service intervals
- Best ergonomics and safety features (safety guards, double safety trigger, low vibration, side-handle...)



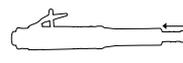
**RECOMMENDED GRINDERS**



4" 4,5" 5" 6"  **CP3650 Series**

7" 9"  **CP3850 Series**

6" 7" 9"  **CP3349 Series**

1/4"   
 4" 5"   
 2" 3" 4"  **CP3109 & CP3119 Series**

**COMPLEMENTARY INDUSTRIAL RANGE:**

1/4"   
 1/4"  **CP3000 & CP3030 Series**

1/4"   
 4" 4,5" 5"  **CP3450 & CP3451 Series**

<b>Conversion table</b>	<b>COLLET CAPACITY</b>	in.	1/4	<b>WHEEL CAPACITY</b>	in.	2	3	4	4.5	5	6	7	9
		mm	6.35		mm	50	75	100	115	125	150	180	230



# Chipping Applications



**APPLICATIONS:**

- Rust removal on flanges and bolts
- Paint removal on pumps and valves
- Pipe scale removal
- Surface scraping
- Weld seam cleanup

**CP BENEFITS: FULL RANGE OF HAMMERS, CHIPPERS, NEEDLE SCALERS AND AIR SCRIBE**

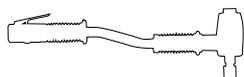
- One of the most extensive industrial range for chipping applications
- Best ergonomics and safety features such as unique vibration damped hammer 
- Full range of chisel and needle set accessories



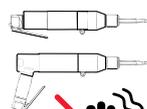
## RECOMMENDED PERCUSSIVE TOOLS



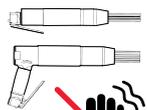
**B20 Series**  
Long reach scalers



**B14 & B23**  
Piston scalers



**B16/18/19 BV Series**  
Chipping Hammer with vibration damped 

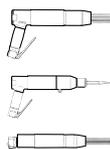


**B16/18/19 MV Series**  
Needle scaler with vibration damped 

**COMPLEMENTARY INDUSTRIAL RANGE:**



**CP714,  
CP716 &  
CP717  
Series**



**B15/16/18/19/21  
B or M Series**



**CP9361**  
Air scribe



# Drilling Applications



**APPLICATIONS:**

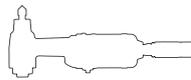
- Drilling holes in any materials
- Reaming and tapping holes
- Bolts opening
- Structure consolidation
- Equipment replacement

**CP BENEFITS: FULL RANGE OF PISTOL, IN-LINE, D-HANDLE CORNER AND ROTARY DRILLS**

- Comprehensive range of chuck size to cover most of the drilling applications
- Very ergonomic features to ensure comfortable and safe drilling operations
- Powerful stall torques (up to 289 ft-Lbs/392 Nm) and various speeds (from 140 up to 6000 rpm) to drill in most materials, from the softest to the hardest
- Complementary range of accessories: chucks, side-handle, suspension bail...



## RECOMMENDED DRILLS

**CP1720 Series**

7/8" 1 1/4" 2"

Socket size



**CP1014 Series**

1/4" 3/8"

Chuck capacity



**CP1816**

5/8"

Chuck capacity



**CP1117 Series**

3/8" 1/2"

Chuck capacity



**CP1820 Series**

7/8" 1 1/4"

Socket size

**COMPLEMENTARY INDUSTRIAL RANGE:**



**CP789 Series**

3/8"



**CP789R/HR Series Reversible drills**

3/8" 1/2"



**CP97 Series**

3/8"

<b>Conversion table</b>	<b>CHUCK CAPACITY</b>	in.	1/4	3/8	1/2	5/8	<b>SOCKET SIZE</b>	in.	7/8	1 1/4	2
		mm	6	10	13	16		mm	22	32	50



**Chicago  
Pneumatic™**

# Finishing Applications



**APPLICATIONS:**

- Versatile finishing operations, from steel to composite materials and from small to large surfaces
- Useful after grinding, rust and burrs removal
- Surface preparation before painting or coating

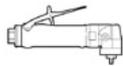
**CP BENEFITS: FULL RANGE OF ANGLE, BELT, PISTOL AND ORBITAL SANDERS**

- One of the most versatile industrial range (shapes, pads/belts sizes, speed) for sanding applications
- Best ergonomics features for intensive sanding jobs
- Full range of adaptive accessories such as pads, arms, belts and dust extraction kits



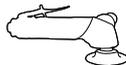
**RECOMMENDED SANDERS**

3"



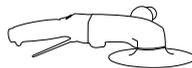
**CP3019 Series**

4" 5" 7"

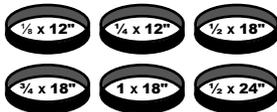


**CP3650 Series**

7" 9"



**CP3850 Series**

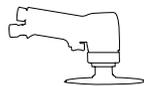


Belt capacity W x L



**CP5080 Series**

5"



**CP3070**



**COMPLEMENTARY INDUSTRIAL RANGE:**

2" 3"



**CP3030 Series**

1/8 x 13



**CP858**

6"



**CP72 H Series**

**Conversion table**

WHEEL CAPACITY	in.	2	3	4	5	6	7	9
	mm	50	75	100	125	150	180	230

BELT CAPACITY	in.	1/8 x 12	1/4 x 12	3/8 x 13	1/2 x 18	3/4 x 18	1 x 18	1/2 x 24
	mm	3 x 305	6 x 305	10 x 330	13 x 457	19 x 457	25 x 457	13 x 610

# The Right Accessories for the Right Job

Upstream, midstream or downstream, our accessories enable to reach higher productivity with lower energy consumption and an extended lifetime of your tools.

**APPLICATIONS:**

- Build up a workplace where the operators' safety and ergonomics are in focus
- Ensure the best possible performance and lifetime of the tools, even in harsh environment

**CP BENEFITS: EXTENSIVE RANGE OF AIR LINE ACCESSORIES**

- Large choice of dimensions, lengths or diameters to match your needs

**FRL stand**  
FRL and metallic frame

**CP BENEFITS:**

- Filtration, regulation and lubrication of air in remote locations for best performance of the tools

**Effi Max**

**CP BENEFITS:**

- Effi Max hoses and whips: the best combination of flexibility, resistance and ergonomics in extreme conditions

**Inline oilers**

**CP BENEFITS:**

- The best option for a proper lubrication of the tools

**Air Flex**  
360° swivel connector

**CP BENEFITS:**

- Air Flex makes all rigid hoses flexible and multi-directional

**CP also provides consumables and ergonomics accessories**



## Over 110 years of experience

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

Our people start every single day with a passion to research, develop, manufacture and deliver new products that are meant to meet your needs not only today, but tomorrow as well.

To learn more about our extensive range of tools, construction equipment, industrial and portable compressors, accessories and workshop equipment, please contact us.