Chicago Pneumatic

People. Passion. Performance.



Industrial Bolting Solutions Catalog

For because every joint is critical

1.10.2026

SPARES AND ACCESSORIES

Original CP parts and genuine accessories are available for your Chicago Pneumatic tools.
Follow this logo to find the dedicated spare kit and accessories selection listed at the end of each product section.

RANKING

1 General maintenance applications:
For bolting tasks performed occasionally, typically once a week or less.

2 Industrial maintenance & production applications:
For bolting tasks performed daily as part of routine maintenance or production activities.

3 Super industrial applications:
Frequent tightening operations performed throughout the working day.

CATALOG GUIDE

This catalog is available in printing version and also in digital pdf version.
For both versions you have access to digital links by scanning the QR codes in the printing version and clicking the pictures/icons in the digital one.

Ranking 1-2-3

Click the product pictures to access the product pages on CP webshop

Retaining segment icon



Scan red QR codes to access the product videos on CP YouTube channel

Click the page number to access the accessories

Scan black QR codes to access the product pages on CP webshop

Click the YT icons to access the product videos on CP YouTube channel



IMPACT WRENCHES 15

MANUAL & ELECTRONIC TORQUE WRENCHES 39

PNEUMATIC TORQUE WRENCHES 45

BATTERY TORQUE WRENCHES 51

HYDRAULIC TORQUE WRENCHES 59

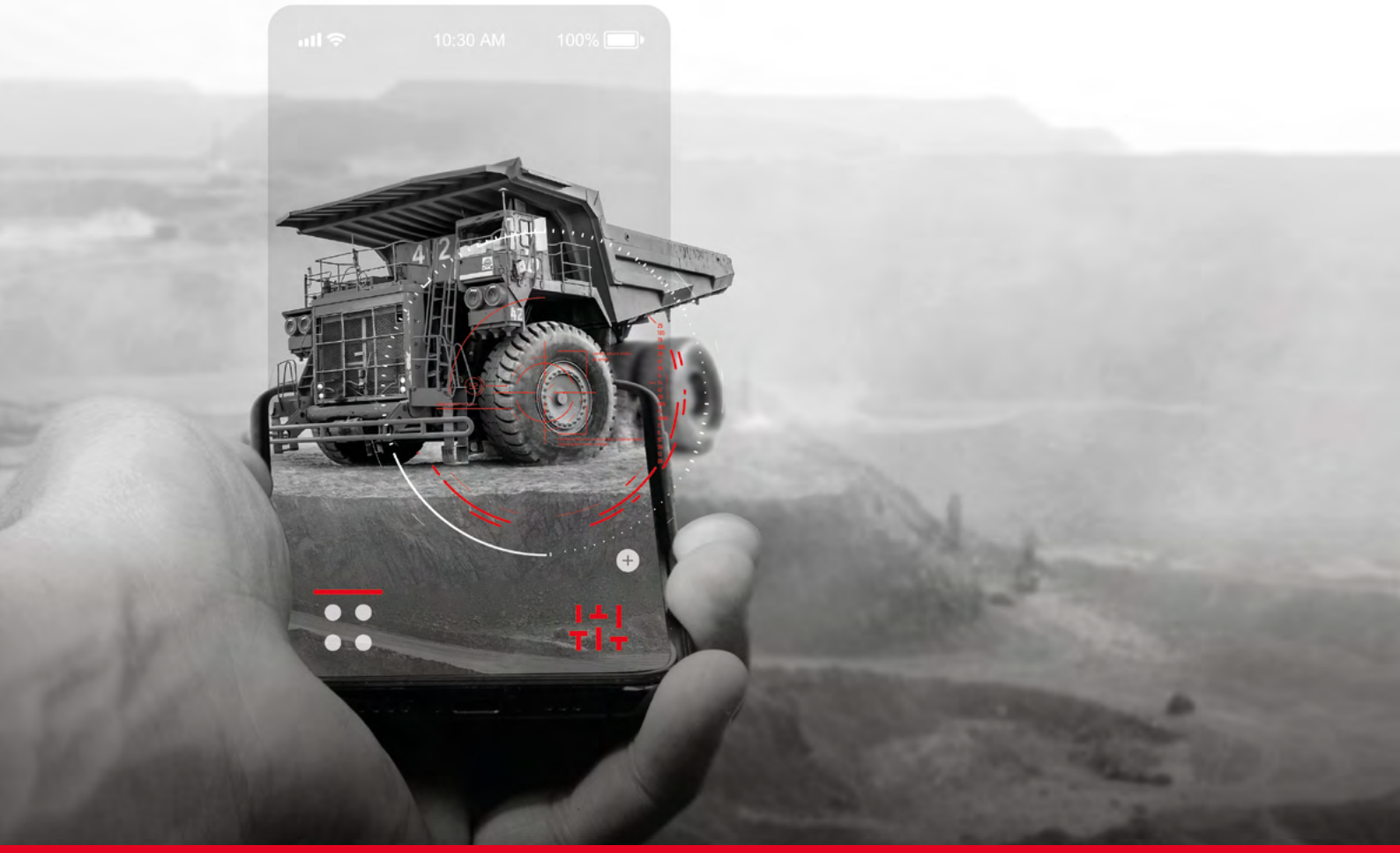
TORQUE PUMPS 77

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AIR LINE NETWORK, BOLTING THEORY, TORQUE TIGHTENING, TORQUE TIGHTENING PROCEDURE, MAINTENANCE SCHEDULES, HEXAGONAL NUT & BOLT SIZE, MEASUREMENT CONVERSION, GENERAL SAFETY INSTRUCTIONS



Tools ready to work when you are.

CPCare: Service Solutions That Keep Your Operations Running

With our tool failure analysis, we can identify and rectify any issues promptly, minimizing downtime and maximizing productivity. Regular preventive maintenance checks are also included in the package, allowing us to catch potential problems before they escalate, keeping your tool in prime condition. Benefit from tool failure analysis, preventive maintenance, budget control, calibration, and tool loan services. Our expert technicians prioritize proper tool usage and regular inspections to ensure optimal results.

MAXIMIZE PERFORMANCE. MINIMIZE DOWNTIME.

Our service portfolio is designed to keep your tools performing at their best:

- Maintenance & Calibration – Ensure consistent performance, maintain accuracy, and extend tool lifetime.
- Installation & Commissioning – Get up and running quickly with expert setup and application support.
- Training & Expert Support – Increase operator confidence, productivity, and process reliability.
- On-Demand Services & Tool Loan – Keep production moving during maintenance and unexpected events..

RELIABLE PERFORMANCE. MAXIMUM UPTIME. COMPLETE PEACE OF MIND.

Time saving by a clearly definded service process.

Efficient tool failure analysis done by continuous trained technician.

Test certificate report and calibration.

Maintenance budget control

TOOL CALIBRATION

- ✔ Machine Capability Test certificate (MCT)
- ✔ Standard certificate worldwide
- ✔ Calibration process traceable to national standards following ISO 17025

CPCare Extends the life of your tool by up to 20%!

CPCare available for CP66 Series, CP76 Series, CP86 Series, CP89 Series, and CP3T Series.

CP CARE+

Go Beyond Maintenance

SERVICE

• Available for CP86

Service Scope	CP CARE	CP CARE+
Total Calibration Capability Test	✓	✓
Preventive Maintenance Wear parts and labour included	✓	✓
Proactive and Reactive Repair All spare parts and labour included	–	✓
		MAXIMUM TOOL PROTECTION

Customer Benefits

Reduced Downtime
Keep critical tools available

Consistent Performance
Maintain tool accuracy

Full Coverage
No unexpected repair costs

Contact your CP representative for more information

Our commitment to Sustainability

"Countries, Citizens & Companies have a shared responsibility towards Sustainability. **As a responsible Industrial player, we take our Corporate Social Responsibilty seriously, guided by the Sustainable Development Goals** from the United Nations.

We strive to conduct our business in an ethical, environmental, and humane manner. We are now setting even more ambitious targets and taking actions accordingly.

Sustainability is at the core of our approach and influences our decisions at every level.

To evaluate our activities and demonstrate our commitment to sustainability, we rely on external Environmental, Social and Governance (ESG) assessment platforms, such as **EcoVadis.** This enables us to challenge our targets and the way we do things."

SUSTAINABLE DEVELOPMENT GOALS

PLATINUM Top 1% ecovadis Sustainability Rating OCT 2025

Discover our **Product Environmental Card**

Since January 2021, the CO_2 impact of any new product is measured through a **Product Carbon Footprint (PCF)** based on ISO 14067:2018 standard. This measure enables us to improve tool efficiency along the product development process and to provide product recommendations to our customers.



Do you want to know more on **all our activities & commitment to Sustainability?**

tools.cp.com/en/about/Sustainability

Packaging

We took on the challenge of moving CP Tools to more sustainable packaging.

Most of our outer carton were made with the use of many colors and glossy finish.
We decided to use as of now a minimalist approach using only black ink on raw cardboard.



NEW

OLD



Find the Right Tool in Just a Few Clicks

Try out our selectors and configurators!

Whether you're looking for the perfect air motor, the ideal grinder, or the best air line setup, our smart selectors and configurators are here to help.

Designed for professionals, these tools guide you to the most suitable solution based on your specific needs and working conditions.

Find the Right Tool in Just a Few Clicks !

Bolting Selector

Choose the best assembly tool for your production needs with our Assembly Tool Selector. Define your torque, speed, and workflow requirements for consistent and reliable assembly operations. Begin by outlining your application needs:

- Screwdrivers
- Precision Fastening
- Loosening-Breaking
- Fastening & Torque Limited

Airline configurator

Optimize your air line setup with our Airline Configurator. It helps you select the right tool and ensures efficient air network management. Start by considering these key factors:

- What tool are you looking for?
- What is the region in location?
- What is the length of the hose?
- What is the coupling type?

CPLinQ Flange Configurator

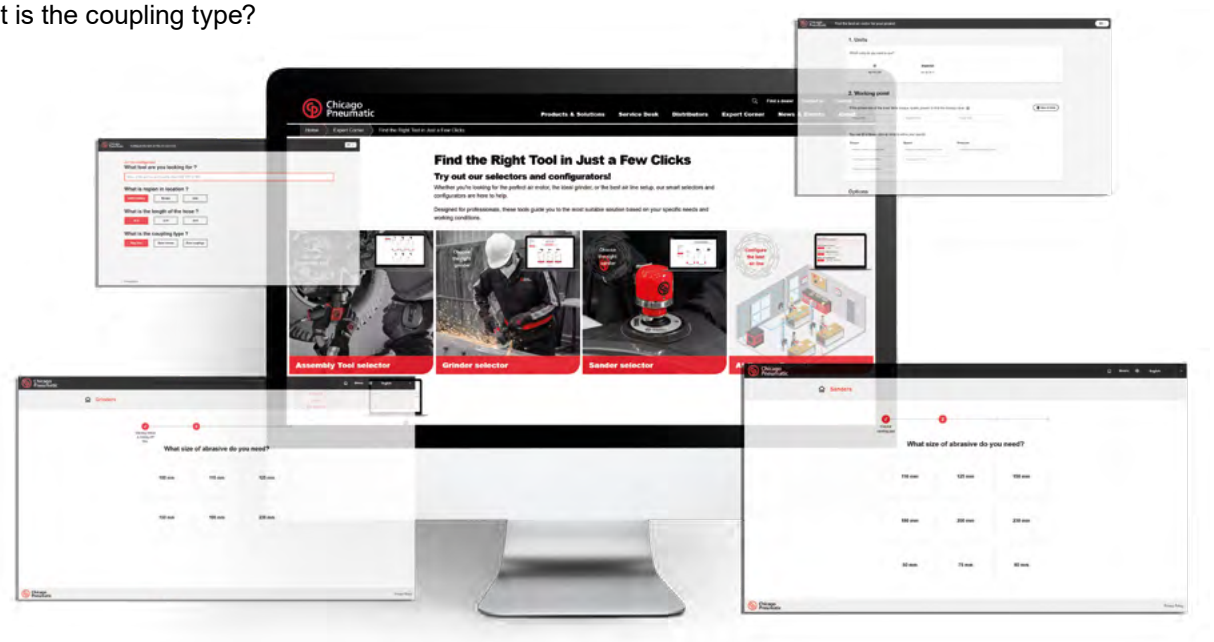
CPLinQ offers a dedicated flange configurator for the Oil and Gas industry, ensuring precise and compliant flange bolting to help prevent costly pipeline leaks:

- During maintenance, the CPLinQ Flange Configurator guides operators step by step, from selecting the task and P-set to applying the correct tightening pattern.
- The software automatically calculates the exact torque required for each bolt in accordance with ANSI and API standards.

Try the CPLinQ Flange Configurator today and experience safer operations, greater efficiency, and reduced downtime:

CPLinQ Flange Configurator

CPLinQ Flange Configurator



What we offer

When you choose CP power tools for professional and industrial applications, you buy into a legacy of trust, durability and operator comfort, thanks to our commitment to performance, material, aesthetics, efficiency, and convenience.

We work towards delivering best-in-class customer value

- Products: reliable, ergonomic, safe, robust, easy-to-use
- Service: best-in-class support with fast local service
- Expertise: expert advice based on decades of experience, backed by quality testing and training
- Pricing: value for money
- Parts: original spare parts and services
- Availability: fast and easy delivery through a dedicated global production and distribution network

Often Imitated, Never Rivaled

For more than 125 years, Chicago Pneumatic has been designing tools that deliver the durability, performance, and reliability demanded by professionals around the world. Since 1901, our engineering teams have combined advanced design technologies, digital simulation, and real-world application expertise to develop solutions that perform in the toughest industrial environments.

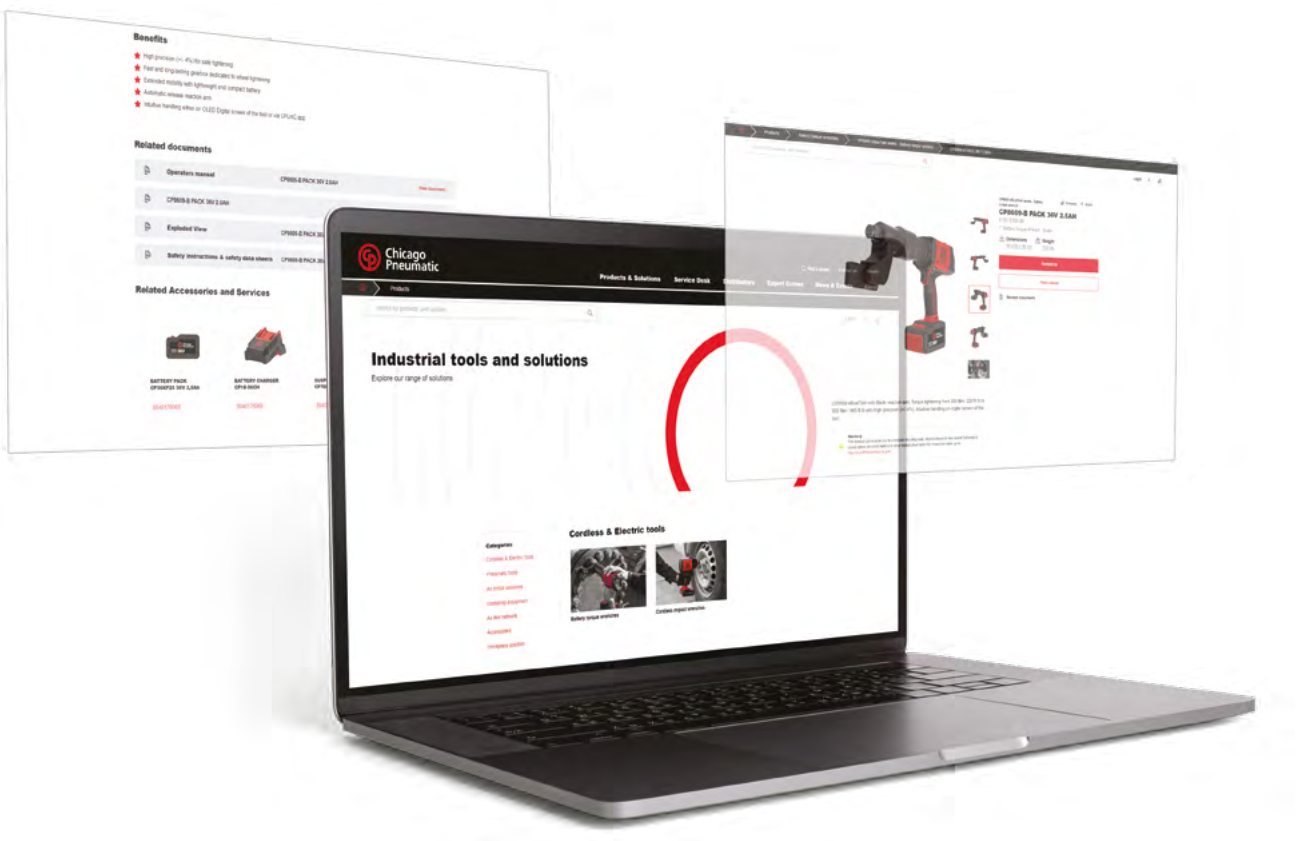
Every product undergoes rigorous validation testing, including durability and life-cycle testing, torque accuracy verification, vibration analysis, overload testing, environmental exposure testing, drop and impact testing, and extended performance trials under demanding operating conditions. These evaluations help ensure that our tools meet high standards for safety, ergonomics, productivity, and long-term reliability before reaching the customer. This commitment to quality is rooted in a legacy of innovation that includes pioneering pneumatic technologies and introducing the world's first impact wrench. Today, Chicago Pneumatic continues to build on this heritage by delivering robust, field-proven tools engineered to maximize uptime and productivity in real-world applications.

Dedicated eCommerce platform

With CP Webshop you can place and track your orders for tools, parts and accessories, anytime and anywhere! Our eCommerce platform provides our customers with rich product content and an easy-to-use order and checkout process.

Benefits of the Webshop

- A fast and easy-to-use eCommerce platform
- 24/7 order placement with real-time order and tracking status
- Enhanced product information with technical data/ specification, and related accessories and spare parts
- Easily accessible product images and related documents
- Ease of upselling/cross-selling



Experience it !

CP Industrial Bolting





a new horizon of controlled torque

CP Industrial Bolting

90 models
Up to 25,000Nm

RUNDOWN TOOLS





16 models
2 to 1,000Nm

MANUAL



4 models
150 to 8,100Nm

PNEUMATIC







UNCONTROLLED TORQUE

6 models
70 to 8,100Nm

CORDLESS



13 models
150 to 70,000Nm

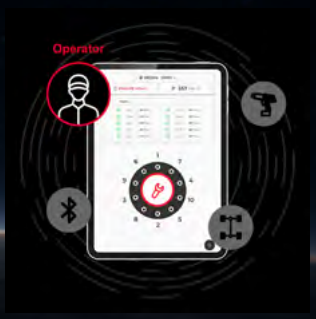
HYDRAULIC



3 models
PRO | SYNC | LinQ

SOFTWARE

CPLinQ | PRO







SERVICE by Chicago Pneumatic

CONTROLLED TORQUE

Notes

IMPACT WRENCHES



Learn how to differentiate soft and hard joint

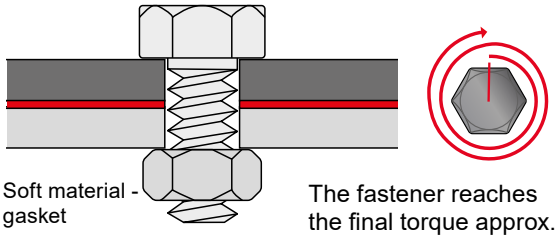
Soft or hard joint designate the nature of the junction of the two surfaces that are assembled or disassembled.

SOFT JOINT

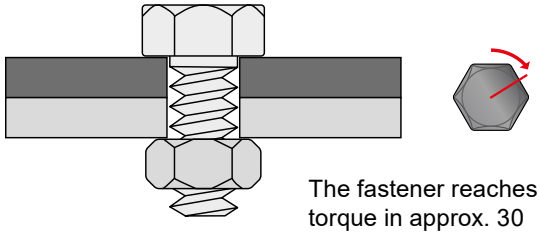
Low resistance to turning until the bolt (or nut) reaches its seating, after which resistance slowly increases.
A joint in which the plates and material between the nut and bolt bearing surfaces have a low stiffness when subjected to compression by the bolt load.
Often the placement of a gasket in a joint results in a soft joint.

HARD JOINT

Low resistance to turning until the bolt (or nut) reaches its seating, after which resistance rapidly increases.
A joint in which the plates and material between the nut and bolt bearing surfaces have a high stiffness when subjected to compression by the bolt load.
Metal to metal results in a hard joint.



The fastener reaches the final torque approx. 2 turns (720°) or more after initial resistance is met.

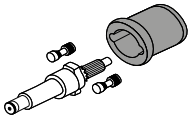


The fastener reaches torque in approx. 30 degrees of rotation after initial resistance is met.

VERY SOFT JOINT ⟷ **VERY HARD JOINT**

Rubber — **Wood** — **Metal to gasket** — **Metal**

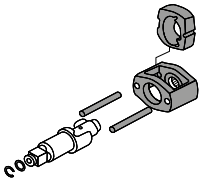
Different clutch mechanisms



PIN CLUTCH

Benefits

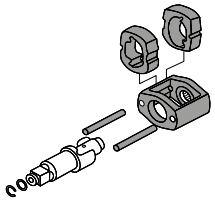
- Extremely low vibration clutch for better operator comfort
- Excellent on hard joints with a good power/weight ratio



SINGLE DOG

Benefits

- Compact clutch
- Lighter than the twin hammer version
- Excellent for Maintenance and Repair Operations (MRO)

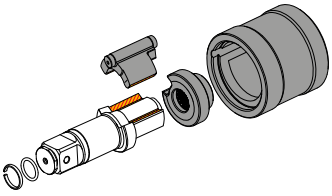


TWIN HAMMER

(also called Double Dog)

Benefits

- High energy per blow
- Very durable clutch
- Excellent for hard joints
- All around clutch with a high power/weight ratio



ROCKING DOG CLUTCH

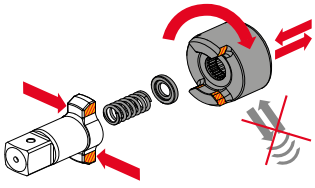
(pinless or double)

Durable & Easy maintenance operation

Thanks to only two main moving parts

Efficient

Thanks to the heavy cage blow efficiency, this clutch is well performing even with limited airflow.



THE 2-JAW CLUTCH

Best choice for tough duty!

Symmetric

The hammer is round and closed to avoid lateral vibrations.

Versatile & Comfortable

Efficient for all type of joints, the 2-Jaw clutch is one of the quietest technology improving dramatically operator's comfort.

Impact wrenches

Output drive 1/2”



CP7737

COMPACT, LIGHTER, POWERFUL AND DURABLE

FEATURES AND BENEFITS

- A compact tool with direct drive transmission mechanism for tight applications
- Single handed Forward – Reverse operation with 3 power settings in forward and 1 in reverse
- Over moulded composite and ergonomically designed handle to fit the hand perfectly and offer better comfort
- Metal housing, jumbo hammer impact mechanism, and steel motor for high durability
- Full teasing trigger for better control



CP734H

THE "CLASSIC" REFERENCE FOR 1/2"

FEATURES AND BENEFITS

- Metal motor housing with pin clutch mechanism in oil bath (dyna-pact) for high durability and smooth operations
- Comfortable tool with rubber grip and reverse button with 4 positive power settings



CP7732

ULTRA COMPACT & POWERFUL

FEATURES AND BENEFITS

- Ultra compact tool with its 4.4" / 112 mm length which allows you to work in tight places
- Metal housing and jumbo hammer impact mechanism for high durability while also being extremely light and powerful.
- Easily adjustable one hand operation forward / reverse for either right or left-handed operation
- 3 setting positions for better versatility

CP7732C

Same features as CP7732 more compact

See accessories page 87

MODEL	PART NUMBER	DRIVE	IMPACT MECANISM	BLOWS PER MINUTE	FREE SPEED	WORKING TORQUE (FW)		MAX TORQUE (REV)		NET WEIGHT		LENGTH		AIR CONS @LOAD	VIBRATION LEVEL ISO 28927 (M/S2)	SOUND PRESS.	SOUND POWER	AIR INLET
		in.			rpm	ft.lb	Nm	ft.lb	Nm	lb	kg	in.	mm	cfm	l/s	a	k	ISO 15744 - dB(A)	in.
CP7737	**8941077370**	1/2	Single hammer	1600	9000	25.1-165	34-224	221	300	2.49	1.13	9.45	240	16	7.5	10.3	1.3	93	104	1/4
CP734H	**T024351**	1/2	Pin clutch	1020	8400	25.1-310	34-420	425	576	5.11	2.32	7.52	191	15	7.1	7.2	3.3	93	104	1/4
CP7732	**8941077320**	1/2	Single hammer	1400	9000	102-310	138-420	450	610	2.87	1.3	4.41	112	19.6	9	12.1	4.4	95	106	1/4
CP7732C	**8941077321**	1/2	Single hammer	1400	9410	51.6-285	70-387	461	625	2.2	1	4.25	108	7.5	10.2	10.8	1.4	95.5	106.5	1/4

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

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

Output drive 1/2”



CP7739

SIDE2SIDE: REVERSE TECHNOLOGY FOR BALANCE & POWER

FEATURES AND BENEFITS

- Lightweight composite housing, twin hammer impact mechanism, and magnesium clutch housing for high durability
- Side-2-Side reverse / forward technology with 3 positive power settings to maximise operator comfort



CP7741

QUALITY OR AFFORDABILITY, WHY HAVE TO CHOOSE?

FEATURES AND BENEFITS

- Qualitive parts as well as its attractive price makes of this series, a good quality & value for money one.
- With only 2.25kg and being 15% lighter than its former version, the CP7741 offers high comfort to its operators.
- Less heat transfer between the motor and the handle is provided thanks to its composite housing



CP749

POWERFUL & ROBUST, BETTER ERGONOMICS

FEATURES AND BENEFITS

- Metal motor housing with CP's patented clutch in oil bath for high durability.
- 4-power settings for better versatility
- Compact design with comfortable contoured handle

CP7729

Same features as CP7739 with 3/8" output drive.

CP7729-P

3/8" output drive and pin retainer.

CP7741-2

Same features as CP7741 with long anvil

See accessories page 87

MODEL	PART NUMBER	DRIVE	IMPACT MECANISM	BLOWS PER MINUTE	FREE SPEED	WORKING TORQUE (FW)		MAX TORQUE (REV)		NET WEIGHT		LENGTH		AIR CONS @LOAD		VIBRATION LEVEL ISO 28927 (M/S2)		SOUND PRESS.	SOUND POWER	AIR INLET
		in.			rpm	ft.lb	Nm	ft.lb	Nm	lb	kg	in.	mm	cfm	l/s	a	k	ISO 15744 - dB(A)		in.
CP7739	**8941077390**	1/2	Twin hammer	1700	9900	50.2-305	68-414	450	610	2.65	1.2	6.42	163	20	9.4	6.9	2.5	92	103	1/4
CP749	**T024587**	1/2	Twin hammer	1320	6400	50.2-450	68-610	610	827	5.51	2.5	7.01	178	22	10.4	6.2	2	96	107	1/4
CP7741	**8941077410**	1/2	Twin hammer	-	10000	88.5-509	120-690	715	970	4.96	2.25	7.64	194	-	-	8.5	2.7	93	104	1/4
CP7741-2	**8941077412**	1/2	Twin hammer	-	10000	88.5-509	120-690	715	970	5.18	2.35	9.65	245	-	-	9.4	3.8	93	104	1/4
CP7729	**8941077290**	3/8	Twin hammer	1700	9400	50.2-300	68-407	415	563	2.76	1.25	6.42	163	20	9.4	6.4	1.9	91	102	1/4
CP7729-P	**8941077292**	3/8	Twin hammer	1700	9400	50.2-300	68-407	415	563	2.76	1.25	6.42	163	20	9.4	6.4	1.9	91	102	1/4

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

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

Impact wrenches

CP8252-P

Output 1/2”

VERSATILE, ROBUST & COMFORTABLE

Designed for intensive use in industrial maintenance and productions, the CP822/32/42/52/72 series is an ultralight, high torque tool for 3/8", 7/16" Hex, 1/2", and 3/4" drive bolting applications.





FEATURES AND BENEFITS

- The twin hammer clutch mechanism offers a high power/weight ratio.
- Low vibration sensation for operator comfort, even at very high torque.
- Lightweight composite body and aluminium clutch housing
- 3 power settings ensure high progressive maximum torque for smooth operation.
- Integrated suspension bail for use with balancer

CP8252-R

Same features as CP8252-P with friction ring socket retainer

See accessories page 87

MODEL	PART NUMBER	DRIVE	IMPACT MECANISM	BLOWS PER MINUTE	FREE SPEED	WORKING TORQUE (FW)		MAX TORQUE (REV)		NET WEIGHT		LENGTH		AIR CONS @LOAD		VIBRATION LEVEL ISO 28927 (M/S2)	SOUND PRESS.	SOUND POWER	AIR INLET
		in.			rpm	ft.lb	Nm	ft.lb	Nm	lb	kg	in.	mm	cfm	l/s	a	k	ISO 15744 - dB(A)		in.
CP8242-P	**6151590200**	1/2	Twin hammer	1250	11500	59-295	80-400	406	550	2.65	1.2	6.97	177	21.2	10	6.6	3.2	89	100	1/4
CP8242-R	**6151590240**	1/2	Twin hammer	1250	11500	59-295	80-400	406	550	2.65	1.2	6.97	177	21.2	10	6.6	3.2	89	100	1/4
CP8252-P	**6151590210**	1/2	Twin hammer	1400	9000	111-553	150-750	701	950	4.41	2	7.87	200	25.4	12	8.8	3.6	94	105	1/4
CP8252-R	**6151590250**	1/2	Twin hammer	1400	9000	111-553	150-750	701	950	4.41	2	7.87	200	25.4	12	8.8	3.6	94	105	1/4

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

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

Impact wrenches

Output drive 1/2”



CP7748

POWER & COMFORT IN YOUR HANDS!

FEATURES AND BENEFITS

- 960 ft.lbs / 1,300 Nm of max torque in reverse position for high productivity
- Composite housing, twin hammer impact mechanism, hard anodized end plates, and hard chromium aluminum cylinder for high durability
- Lightweight (4.65 lbs – 2.11 kg) and compact (8.86 in. / 225 mm long) for improved comfort
- One-hand reverse system (Ring system) for better ergonomics
- Curved rubber handle to help prevent slipping

CP7748-2

Same features as CP7748 with long anvil

CP7748-P

NEW

Same features as CP7748 with a pin socket retainer



CP6738-P05R

PREMIUM COMPOSITE!

FEATURES AND BENEFITS

- Reliable twin hammer clutch mechanism in oil bath for hard joint applications.
- ATEX certified IP6 dust-proof
- Square drive shaft with ring or dual version for a wide variety of applications
- Low noise and low vibration for operator comfort
- Comfortable handle with rubber grip & suspension bail included

See accessories page 87

MODEL	PART NUMBER	DRIVE	IMPACT MECANISM	BLOWS PER MINUTE	FREE SPEED	WORKING TORQUE (FW)		MAX TORQUE (REV)		NET WEIGHT		LENGTH		AIR CONS @LOAD		VIBRATION LEVEL ISO 28927 (M/S2)		SOUND PRESS.	SOUND POWER	AIR INLET
		in.			rpm	ft.lb	Nm	ft.lb	Nm	lb	kg	in.	mm	cfm	l/s	a	k	ISO 15744 - dB(A)		in.
CP7748	**8941077481**	1/2	Twin hammer	1350	7000	70.1-553	95-750	959	1300	4.41	2	6.89	175	25	12	12	4.5	94.3	105.3	1/4
CP7748-2	**8941077486**	1/2	Twin hammer	1350	7000	70.1-553	95-750	959	1300	4.65	2.11	8.86	225	25	12	11.3	3.8	94.3	105.3	1/4
CP7748-P	**8941177484**	1/2	Twin hammer	1350	7000	70.1-553	95-750	959	1300	4.65	2.11	8.86	225	25	12	12	3.8	94.3	105.3	1/4
CP6738-P05R	**6151590560**	1/2	Twin hammer	1300	11500	81.1-258	110-350	350	475	3.75	1.7	6.89	175	24.2	11.4	5.2	1.9	89	100	1/4
CP6500-RS	**T025214**	1/2	Twin hammer	1320	6400	125-502	170-680	627	850	5.84	2.65	7.01	178	25	11.8	8	2.5	96	107	1/4

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

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

Impact wrenches

Output drive 3/4”



CP772H

THE UNMATCHED "REFERENCE" IN 3/4" IMPACT

FEATURES AND BENEFITS

- Metal motor housing with pin clutch mechanism in oil bath (dyna-pact) for high durability and smooth operations
- Comfortable tool with rubber grip and reverse button with 4 positive power settings



CP7762

ULTRA COMPACT, LIGHTWEIGHT AND POWERFUL

FEATURES AND BENEFITS

- Ultra compact and lightweight tool to lower operator fatigue while working in restricting spaces.
- 1,050 ft.lbs / 1,420 Nm of max torque in reverse position for high productivity
- Metal housing, twin hammer impact mechanism, and steel motor for high durability
- One hand Forward & Reverse speed regulator button and full teasing trigger for improved ergonomics



CP7763

COMPACT & POWERFUL

FEATURES AND BENEFITS

- Composite housing and twin hammer impact mechanism for high durability
- A lightweight and compact tool in a composite motor housing that offers greater comfort
- Equipped with intuitive Forward / Reverse lever for easy operation
- Power regulator for a controlled approach

CP7763-6

Same features as CP7763 with long anvil

See accessories page 87

MODEL	PART NUMBER	DRIVE	IMPACT MECANISM	BLOWS PER MINUTE	FREE SPEED	WORKING TORQUE (FW)		MAX TORQUE (REV)		NET WEIGHT		LENGTH		AIR CONS @LOAD		VIBRATION LEVEL ISO 28927 (M/S2)	SOUND PRESS.	SOUND POWER	AIR INLET
		in.			rpm	ft.lb	Nm	ft.lb	Nm	lb	kg	in.	mm	cfm	l/s	a	k	ISO 15744 - dB(A)		in.
CP772H	**T024598**	3/4	Pin clutch	900	4200	150-700	203-949	1000	1350	10.4	4.76	9.65	245	24	11.3	5.8	2	96	107	3/8
CP7762	**8941077620**	3/4	Twin hammer	960	4850	148-664	201-900	1050	1420	6.39	2.9	6.22	158	24.7	16.4	10.7	2.8	92.8	103.8	3/8
CP7763	**8941077630**	3/4	Twin hammer	900	6300	100-950	136-1280	1200	1630	11.5	5.25	9.02	229	24.7	16.4	10.4	4.2	96	107	3/8
CP7763-6	**8941077636**	3/4	Twin hammer	900	6300	100-950	136-1280	1200	1630	13.8	6.28	15	381	24.7	16.4	10.4	4.2	96	107	3/8

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

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

Impact wrenches

Output drive 3/4”





CP7769

POWERFUL, IGHTWEIGHT & COMPACT

FEATURES AND BENEFITS

- 1,440 ft.lbs (1,950 Nm) of max torque in reverse position for high productivity
- Composite housing and twin hammer impact mechanism for high durability
- Due to its composite motor housing, it is both lightweight and compact, offering improved comfort.
- One-hand power adjustment and reverse system - S2S technology - thereby limiting wrist and arm fatigue.





CP8272-D

VERSATILE, ROBUST & COMFORTABLE

FEATURES AND BENEFITS

- The twin hammer clutch mechanism offers a high power/weight ratio.
- Low vibration sensation for operator comfort, even at very high torque.
- Lightweight composite body and aluminium clutch housing
- 3 power settings ensure high progressive maximum torque for smooth operation.
- Integrated suspension bail for use with balancer

CP7769-P

Same features as CP7769 with a pin socket retainer

NEW

CP8272-P

Same features as CP8272-D with pin socket retainer

See accessories page 87

MODEL	PART NUMBER	DRIVE	IMPACT MECANISM	BLOWS PER MINUTE	FREE SPEED	WORKING TORQUE (FW)		MAX TORQUE (REV)		NET WEIGHT		LENGTH		AIR CONS @LOAD		VIBRATION LEVEL ISO 28927 (M/S2)		SOUND PRESS.	SOUND POWER	AIR INLET
		in.			rpm	ft.lb	Nm	ft.lb	Nm	lb	kg	in.	mm	cfm	l/s	a	k	ISO 15744 - dB(A)		in.
CP8272-P	**6151590220**	3/4	Twin hammer	1000	6500	184-922	250-1250	1220	1650	7.28	3.3	9.06	230	38	18	15.5	6.8	96	107	3/8
CP8272-D	**6151590260**	3/4	Twin hammer	1000	6500	184-922	250-1250	1220	1650	8.05	3.65	9.06	230	38	18	15.5	6.8	96	107	3/8
CP7769	**8941077691**	3/4	Twin hammer	1200	6500	300-1,080	407-1460	1440	1950	6.94	3.15	7.87	200	31	14.7	12.97	1.5	96.8	107.8	3/8
CP7769-P	**8941077692**	3/4	Twin hammer	1200	6500	300-1,080	407-1460	1440	1950	6.94	3.15	7.87	200	31	14.7	12.97	1.5	96.8	107.8	3/8

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

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

Output drive 3/4”









CP6763

CP6763-D18D

COMPACT, ROBUST & POWERFUL FOR INDUSTRIAL MAINTENANCE

FEATURES AND BENEFITS

- Powerful hard hitting twin hammer clutch mechanism
- Flexibility and safety is guaranteed with the double hole and ring retaining system.
- Steel clutch housing and aluminium motor housing for robustness
- Short and narrow side-to-centre for easy access

See accessories page 87

MODEL	PART NUMBER	DRIVE	IMPACT MECANISM	BLOWS PER MINUTE	FREE SPEED	WORKING TORQUE (FW)		MAX TORQUE (REV)		NET WEIGHT		LENGTH		AIR CONS @LOAD		VIBRATION LEVEL ISO 28927 (M/S2)		SOUND PRESS.	SOUND POWER	AIR INLET
		in.			rpm	ft.lb	Nm	ft.lb	Nm	lb	kg	in.	mm	cfm	l/s	a	k	ISO 15744 - dB(A)		in.
CP6763	**6151590400**	3/4	Twin hammer	900	6300	258-952	350-1290	1200	1630	12.1	5.5	8.74	222	30	14.2	9.4	1.3	96	107	3/8
CP6763-D18D	**6151590640**	3/4	Twin hammer	730	6600	251-1,070	340-1450	1300	1760	14.5	6.6	11.42	290	41	19.3	11.4	2.9	98	109	1/2

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

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

Impact wrenches

Output drive 3/4”





CP6060-P15H

THE BEST SUPER INDUSTRIAL

FEATURES AND BENEFITS

- A very compact design to meet applications in very tight environments
- Reliable 2-jaw clutch mechanism for hard and soft joint application
- Low vibration feeling for operator comfort even at very high torque.
- Aluminium body and robust steel clutch housing provides enhanced durability
- Hole type socket retainer with O-ring for safety





CP6768EX-P18D

NEW RANGE - PREMIUM COMPOSITE!

FEATURES AND BENEFITS

- Reliable twin hammer clutch mechanism in oil bath for hard joint applications.
- ATEX certified IP6 dust-proof
- Square drive shaft with ring or dual version for a wide variety of applications
- Low noise and low vibration for operator comfort
- Comfortable handle with rubber grip & suspension bail included

CP6060-P15R

Same features as CP6060-P15H with friction ring socket retainer

See accessories page 87

MODEL	PART NUMBER	DRIVE	IMPACT MECANISM	BLOWS PER MINUTE	FREE SPEED	WORKING TORQUE (FW)		MAX TORQUE (REV)		NET WEIGHT		LENGTH		AIR CONS @LOAD	VIBRATION LEVEL ISO 28927 (M/S2)		SOUND PRESS.	SOUND POWER	AIR INLET
		in.			rpm	ft.lb	Nm	ft.lb	Nm	lb	kg	in.	mm	cfm	l/s	a	k	ISO 15744 - dB(A)	in.
CP6060-P15H	**6151590090**	3/4	2-jaws	1100	4000	199-900	270-1220	1100	1490	11.6	5.3	8.74	222	52.9	25	13.9	4.1	92	103	3/8
CP6060-P15R	**6151590100**	3/4	2-jaws	1100	4000	199-900	270-1220	1100	1490	11.6	5.3	8.74	222	52.9	25	13.9	4.1	92	103	3/8
CP6768EX-P18D	**6151590580**	3/4	Twin hammer	1050	5100	295-1,030	400-1400	1290	1750	9.7	4.4	9.84	250	38	18	9.4	2.4	94	105	3/8

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

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

Output drive 1”





CP7779

POWERFUL, LIGHTWEIGHT & COMPACT

FEATURES AND BENEFITS

- 1,440 ft.lbs (1,950 Nm) of max torque in reverse position for high productivity
- Composite housing and twin hammer impact mechanism for high durability
- Due to its composite motor housing, it is both lightweight and compact, offering improved comfort.
- One-hand power adjustment and reverse system - S2S technology - thereby limiting wrist and arm fatigue.





CP6773

COMPACT, ROBUST & POWERFUL FOR INDUSTRIAL MAINTENANCE

FEATURES AND BENEFITS

- Powerful hard hitting twin hammer clutch mechanism
- Flexibility and safety is guaranteed with the double hole and ring retaining system.
- Steel clutch housing and aluminium motor housing for robustness
- Short and narrow side-to-centre for easy access





CP6910-P24

POWERFUL, DURABLE & COMFORTABLE

FEATURES AND BENEFITS

- Reliable oil bath pinless rocking dog mechanism for hard and soft joint applications
- Pinless rocking dog mechanism gives a low vibration sensation even at very high torque
- Lightweight aluminium body and clutch housing with rubber protective cover for high durability
- Extremely comfortable rotating rubber side handle for operator comfort and transportation

CP7773

Same features as CP6773 with aluminium impact clutch housing

See accessories page 87

MODEL	PART NUMBER	DRIVE	IMPACT MECANISM	BLOWS PER MINUTE	FREE SPEED	WORKING TORQUE (FW)		MAX TORQUE (REV)		NET WEIGHT		LENGTH		AIR CONS @LOAD	VIBRATION LEVEL ISO 28927 (M/S2)	SOUND PRESS.	SOUND POWER	AIR INLET
		in.			rpm	ft.lb	Nm	ft.lb	Nm	lb	kg	in.	mm	cfm	l/s	a	k	ISO 15744 - dB(A)	in.
CP6773	**6151590410**	1	Twin hammer	900	6300	258-952	350-1290	1200	1630	12.3	5.6	8.96	227.5	30	14.2	1.3	4.3	96	107	3/8
CP7773	**8941077730**	1	Twin hammer	900	6300	100-950	136-1280	1200	1630	12.1	5.5	9.21	234	30	14.2	4.2	13.8	96	107	3/8
CP7779	**8941077791**	1	Twin hammer	1200	6500	300-1,080	407-1460	1440	1950	7.28	3.3	8.07	205	31	14.7	1.5	4.9	96.8	107.8	3/8
CP6910-P24	**6151590070**	1	Pinless rocking dog	650	5000	369-1,550	500-2100	1920	2600	22.4	10.2	11.42	290	40.2	19	2.5	8.2	97	108	1/2

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

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

Impact wrenches

Output drive 1”



CP6070-P15H

THE BEST SUPER INDUSTRIAL

FEATURES AND BENEFITS

- A very compact design to meet applications in very tight environments
- Reliable 2-jaw clutch mechanism for hard and soft joint application
- Low vibration feeling for operator comfort even at very high torque.
- Aluminium body and robust steel clutch housing provides enhanced durability
- Hole type socket retainer with O-ring for safety



CP6778EX-P18D

NEW RANGE - PREMIUM COMPOSITE!

FEATURES AND BENEFITS

- Reliable twin hammer clutch mechanism in oil bath for hard joint applications.
- ATEX certified IP6 dust-proof
- Square drive shaft with ring or dual version for a wide variety of applications
- Low noise and low vibration for operator comfort
- Comfortable handle with rubber grip & suspension bail included



CP0611P RS

THE BEST SUPER INDUSTRIAL !

FEATURES AND BENEFITS

- Reliable 2 jaws clutch mechanism for hard and soft joint applications
- Durable lightweight aluminium body
- Robust steel clutch housing for extreme durability
- 2-jaw clutch ensures progressive torque increase for high torque bolt disassembly applications with minimal vibration
- 360° rotatable side handle offers excellent grip for all applications

CP0611P RLS

Same features as CP0611P RS with 5" spline output

See accessories page 87

MODEL	PART NUMBER	DRIVE	IMPACT MECANISM	BLOWS PER MINUTE	FREE SPEED	WORKING TORQUE (FW)		MAX TORQUE (REV)		NET WEIGHT		LENGTH		AIR CONS @LOAD		VIBRATION LEVEL ISO 28927 (M/S2)	SOUND PRESS.	SOUND POWER	AIR INLET
		in.			rpm	ft.lb	Nm	ft.lb	Nm	lb	kg	in.	mm	cfm	l/s	a	k	ISO 15744 - dB(A)		in.
CP6778EX-P18D	**6151590590**	1	Twin hammer	1050	5100	295-1,030	400-1400	1290	1750	10.1	4.6	10.04	255	38	18	9.4	2.4	94	105	3/8
CP6070-P15H	**6151590110**	1	2-jaws	1100	4000	199-900	270-1220	1100	1490	11.9	5.4	8.94	227	52.9	25	13.9	4.1	92	103	3/8
CP0611P RS	**6151590050**	1	2-jaws	1020	3500	900-1,800	1220-2440	2800	3790	23.1	10.5	10.71	272	48	22.6	16.8	4.7	102	113	1/2
CP0611P RLS	**6151590060**	#5 Spline	2-jaws	1020	3500	900-1,800	1220-2440	2800	3790	23.1	10.5	10.71	272	48	22.6	16.8	4.7	102	113	1/2

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

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

Output drive 1”



CP7782

HIGH TORQUE & COMFORT

FEATURES AND BENEFITS

- 1,920 ft.lbs (2,600 Nm) of max torque in reverse position for high productivity
- Metal housing and pinless closed reinforced rocking dog impact mechanism for high durability
- Power control regulators at the rear of the unit with 3 reverse and 3 forward positions
- Integrated protective cover on the clutch housing protects both applications & tool
- Low vibration for improved comfort



CP6773-D18D

COMPACT, ROBUST & POWERFUL FOR INDUSTRIAL MAINTENANCE

FEATURES AND BENEFITS

- Powerful hard hitting twin hammer clutch mechanism
- Flexibility and safety is guaranteed with the double hole and ring retaining system.
- Steel clutch housing and aluminium motor housing for robustness
- Short and narrow side-to-centre for easy access



CP6920-D24

POWERFUL, DURABLE & COMFORTABLE

FEATURES AND BENEFITS

- Reliable oil bath pinless rocking dog mechanism for hard and soft joint applications
- Pinless rocking dog mechanism gives a low vibration sensation even at very high torque
- Lightweight aluminium body and clutch housing with rubber protective cover for high durability
- Extremely comfortable rotating rubber side handle for operator comfort and transportation

CP7782-6

Same features as CP7782 with long anvil

See accessories page 87

MODEL	PART NUMBER	DRIVE	IMPACT MECANISM	BLOWS PER MINUTE	FREE SPEED	WORKING TORQUE (FW)		MAX TORQUE (REV)		NET WEIGHT		LENGTH		AIR CONS @LOAD		VIBRATION LEVEL ISO 28927 (M/S2)		SOUND PRESS.	SOUND POWER	AIR INLET
		in.			rpm	ft.lb	Nm	ft.lb	Nm	lb	kg	in.	mm	cfm	l/s	a	k	ISO 15744 - dB(A)		in.
CP7782	**8941077820**	1	Pinless rocking dog	500	5200	369-1,480	500-2000	1920	2600	22.2	10.1	14.57	370	40.7	19.2	7.8	1.8	100	111	1/2
CP7782-6	**8941077826**	1	Pinless rocking dog	500	5200	369-1,480	500-2000	1920	2600	25.5	11.6	20.47	520	40.7	19.2	7.8	1.8	100	111	1/2
CP7783	**8941077830**	1	Pinless rocking dog	900	6200	413-1,250	560-1700	1770	2400	18.5	8.4	13.78	350	40.4	19	15.1	4.1	102	113	1/2
CP7783-6	**8941077836**	1	Pinless rocking dog	900	6200	413-1,250	560-1700	1770	2400	20.9	9.5	19.69	500	40.4	19	15.1	4.1	102	113	1/2
CP6773-D18D	**6151590650**	1	Twin hammer	730	6600	251-1,070	340-1450	1300	1760	14.7	6.7	11.42	290	41	19.3	11.4	2.9	98	109	1/2
CP6920-D24	**6151590080**	1	Pinless rocking dog	650	5000	369-1,550	500-2100	1920	2600	22.7	10.3	14.17	360	40.2	19	8.4	2.8	100	111	1/2

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

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

Impact wrenches

CP0611-D28H

Output drive 1”

THE BEST SUPER INDUSTRIAL !

For heavy duty industrial users looking for efficient, ergonomic bolting solutions, the CP0611 Series - 1"/#5 impact wrench is light weight, reliable and offers powerful torque and a high degree of comfort.n





FEATURES AND BENEFITS

- Reliable 2 jaws clutch mechanism for hard and soft joint applications
- Durable lightweight aluminium body
- Robust steel clutch housing for extreme durability
- 2-jaw clutch ensures progressive torque increase for high torque bolt disassembly applications with minimal vibration
- 360° rotatable side handle offers excellent grip for all applications

See accessories page 87

MODEL	PART NUMBER	DRIVE	IMPACT MECANISM	BLOWS PER MINUTE	FREE SPEED	WORKING TORQUE (FW)		MAX TORQUE (REV)		NET WEIGHT		LENGTH		AIR CONS @LOAD		VIBRATION LEVEL ISO 28927 (M/S2)	SOUND PRESS.	SOUND POWER	AIR INLET
		in.			rpm	ft.lb	Nm	ft.lb	Nm	lb	kg	in.	mm	cfm	l/s	a	k	ISO 15744 - dB(A)		in.
CP0611-D28H	**6151590160**	1	2-jaws	1020	3500	900-1,800	1220-2440	2800	3790	22.9	10.4	14.17	360	68	32	18	4.1	99	110	1/2

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

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

Output drive #5 Spline”





CP0611-D28L

THE BEST SUPER INDUSTRIAL !

FEATURES AND BENEFITS

- Reliable 2 jaws clutch mechanism for hard and soft joint applications
- Durable lightweight aluminium body
- Robust steel clutch housing for extreme durability
- 2-jaw clutch ensures progressive torque increase for high torque bolt disassembly applications with minimal vibration
- 360° rotatable side handle offers excellent grip for all applications





CP6120-D35L

THE MOST PRODUCTIVE 1-1/2"

FEATURES AND BENEFITS

- Reliable 2-jaw clutch mechanism can be set for hard and soft joint applications
- 2-jaw clutch minimizes vibration sensation
- Robust steel clutch housing guarantees durability
- High progressive max torque for smooth operation
- Durable lightweight aluminium body offers operator comfort,

See accessories page 87

MODEL	PART NUMBER	DRIVE	IMPACT MECANISM	BLOWS PER MINUTE	FREE SPEED	WORKING TORQUE (FW)		MAX TORQUE (REV)		NET WEIGHT		LENGTH		AIR CONS @LOAD		VIBRATION LEVEL ISO 28927 (M/S2)	SOUND PRESS.	SOUND POWER	AIR INLET
		in.			rpm	ft.lb	Nm	ft.lb	Nm	lb	kg	in.	mm	cfm	l/s	a	k	ISO 15744 - dB(A)		in.
CP0611-D28L	**6151590170**	#5 Spline	2-jaws	1020	3500	900-1,800	1220-2440	2800	3790	22.9	10.4	14.17	360	68	32	18	4.1	99	110	1/2
CP6120-D35L	**6151590130**	#5 Spline	2-jaws	960	3500	601-2,000	815-2710	3600	4880	34.5	15.6	16.54	420	60	28.3	21.8	11.8	97	108	1/2

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

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

Impact wrenches

Output drive 1-1/2”



CP6930-D35

POWERFUL, ROBUST & COMFORTABLE FOR INDUSTRIAL MAINTENANCE

FEATURES AND BENEFITS

- Reliable twin hammer clutch mechanism in oil bath for hard joint application
- A 4-position power regulator for better power control.
- Aluminium clutch body and housing for high robustness
- D-shaped side handle for improved grip



CP6135-D80

BEST POWER TO WEIGHT RATIO - SUPER INDUSTRIAL APP

FEATURES AND BENEFITS

- Reliable pinless rocking dog clutch mechanism.
- Lightweight, low vibration for operational comfort even at very high torque.
- Durable aluminium body and robust steel clutch housing for extreme durability.
- Teasing trigger allows a high progressive max torque for smooth operation .

See accessories page 87

MODEL	PART NUMBER	DRIVE	IMPACT MECANISM	BLOWS PER MINUTE	FREE SPEED	WORKING TORQUE (FW)		MAX TORQUE (REV)		NET WEIGHT		LENGTH		AIR CONS @LOAD	VIBRATION LEVEL ISO 28927 (M/S2)		SOUND PRESS.	SOUND POWER	AIR INLET
		in.			rpm	ft.lb	Nm	ft.lb	Nm	lb	kg	in.	mm	cfm	l/s	a	k	ISO 15744 - dB(A)		in.
CP6930-D35	**6151590390**	1-1/2	Twin hammer	850	4300	443-1,950	600-2650	2880	3900	31.6	14.3	17.32	440	64	30	15.1	5.5	101.5	112.5	1/2
CP6135-D80	**6151590380**	1-1/2	Pinless rocking dog	750	2800	740-4,055	1000-5500	5900	8000	35.2	16	16.06	408	84.5	40	13.6	2.2	98	109	1/2

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

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

Impact wrenches

CP6120-D35H

Output drive 1-1/2”

THE MOST PRODUCTIVE 1-1/2"

For heavy duty industrial users looking for medium to strong torque on soft and hard joints, the CP6120 Series - 1-1/2", #5 impact wrench is strong enough to allow for intense use and is also comfortable due to low vibration levels.





FEATURES AND BENEFITS

- Reliable 2-jaw clutch mechanism can be set for hard and soft joint applications
- 2-jaw clutch minimizes vibration sensation
- Robust steel clutch housing guarantees durability
- High progressive max torque for smooth operation
- Durable lightweight aluminium body offers operator comfort,

See accessories page 87

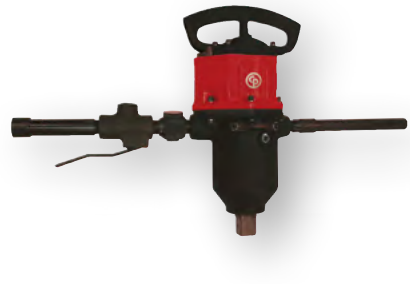
MODEL	PART NUMBER	DRIVE	IMPACT MECANISM	BLOWS PER MINUTE	FREE SPEED	WORKING TORQUE (FW)		MAX TORQUE (REV)		NET WEIGHT		LENGTH		AIR CONS @LOAD		VIBRATION LEVEL ISO 28927 (M/S2)		SOUND PRESS.	SOUND POWER	AIR INLET
		in.			rpm	ft.lb	Nm	ft.lb	Nm	lb	kg	in.	mm	cfm	l/s	a	k	ISO 15744 - dB(A)		in.
CP6120-D35H	**6151590120**	1-1/2	2-jaws	960	3500	601-2,000	815-2710	3600	4880	34.5	15.6	16.54	420	60	28.3	21.8	11.8	97	108	1/2

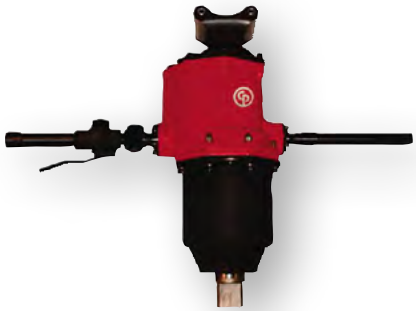
All models: Hose int. 3/8” (10 mm) - @90 PSI (@6.3 Bar)

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

Impact wrenches

Output drive 1-1/2” - 2-1/2”





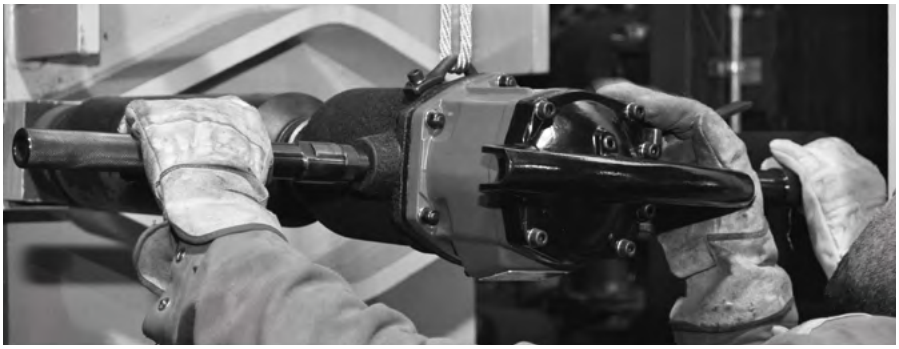
CP6130-T70

CP6240-T120

POWERFUL, DURABLE & COMFORTABLE

FEATURES AND BENEFITS

- Reliable double rocking dog clutch mechanism for hard and soft joint application
- 5-position regulator, progressive and easy reversing trigger. Low vibration level for high user comfort
- Always in stock for fast delivery.



CP6130-T70

See accessories page 87

MODEL	PART NUMBER	DRIVE	IMPACT MECANISM	BLOWS PER MINUTE	FREE SPEED	WORKING TORQUE (FW)		MAX TORQUE (REV)		NET WEIGHT		LENGTH		AIR CONS @LOAD		VIBRATION LEVEL ISO 28927 (M/S2)		SOUND PRESS.	SOUND POWER	AIR INLET
		in.			rpm	ft.lb	Nm	ft.lb	Nm	lb	kg	in.	mm	cfm	l/s	a	k	ISO 15744 - dB(A)		in.
CP6130-T70	**6151590010**	1-1/2	Double rocking dog	900	4000	2430-5,240	3.3-7100	9220	12500	72.7	33	19.69	500	67.3	31.8	4.7	1.7	104	115	1
CP6240-T120	**6151590020**	2-1/2	Double rocking dog	800	3000	3.8-9,150	3760-12400	18400	25000	132	60	24.02	610	74.9	35.3	4.5	1.5	107	118	1

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

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

Impact wrenches

TORQUE LIMITED IMPACTS

NO MORE OVER TIGHTENING!*

Torque limited in forward
(around 66 ft.lbs. / 90 Nm)
Full power in reverse
(960 ft.lbs. / 1,300Nm)





Torque Limited

Only marketed in the USA & Canada

CP7748TL-2

Same features as CP7748TL with 6" anvil length

FEATURES AND BENEFITS

- Torque limited in forward (370 ft.lb/500 Nm)* to limit the risk of over tightening, max torque in reverse (1,920 ft.lbs/2,600 Nm)
- Metal housing and pinless closed reinforced rocking dog impact mechanism for high durability
- Regulator integrated in forward/reverse,
- knob with 3 positions, power setting in both directions for improved comfort in use
- Integrated protective cover on the clutch housing protects both applications & tool
- Low vibration for improved operational comfort

** Final torque must be applied manually using a calibrated torque wrench (please refer to the operator's manual)*

See accessories page 87

MODEL	PART NUMBER	DRIVE	IMPACT MECANISM	FREE SPEED	WORKING TORQUE (FW)		MAX TORQUE (REV)		NET WEIGHT		LENGTH		AIR CONS @LOAD	VIBRATION LEVEL ISO 28927 (M/S2)		SOUND PRESS.	SOUND POWER	AIR INLET
		in.		rpm	ft.lb	Nm	ft.lb	Nm	lb	kg	in.	mm	cfm	l/s	a	k	ISO 15744 - dB(A)		in.
CP7748TL-2	**8941077485**	1/2	Twin hammer	8,200	66.4	90	103	140	5.29	2.4	9.84	250	22	10	4.8	1.5	86	97	1/4
CP7748TL	**8941077484**	1/2	Twin hammer	8,200	66.4	90	103	140	4.85	2.2	7.87	200	22	10	4.8	1.5	86	97	1/4
CP7782TL-6	**8941077827**	1	Pinless rocking dog	5.,200	295-325	400-440	1,920	2,600	25.5	11.6	20.11	510.8	40.7	19.2	7.8	1.8	100	111	1/2

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

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



What is Atex?

ATEX stands for "ATmosphere EXplosible" and is the designation commonly given to the two European Directives regulating these atmospheres:

- The ATEX Directive 2014/34/EU

- The Directive 99/92/EC, also known as 'ATEX 137' or the 'ATEX Workplace Directive'

The most known industries for having areas where explosive atmospheres can occur are the mines and oil & gas or petrochemical sites. These industries have driven the development towards higher levels of safety due to accidents in the past. However, there are other industries, such as paint factories or mills, with also a high risk of explosive atmospheres. So, it is vital to use tools that have been properly certified for the actual workplace, as defined by the conforming regulations.

Read article !



Impact wrenches

CP6748EX-P11R ATEX

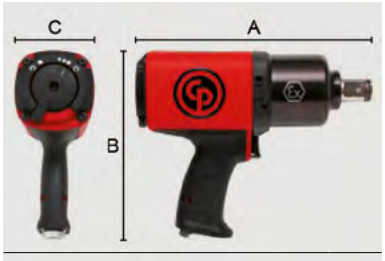
Output 1/2”

PREMIUM COMPOSITE!

Premium composite impact wrench range - from 3/8" to 1"- with superior durability designed for intensive use in ATEX environments.







MODEL	A		B		C	
	in.	mm	in.	mm	in.	mm
CP6748	7.3	185	7.9	200	2.8	72
CP6768	9.8	250	8.3	210	3.5	90
CP6778	10.0	255	8.3	210	3.5	90

FEATURES AND BENEFITS

- Reliable twin hammer clutch mechanism in oil bath for hard joint applications.
- ATEX certified IP6 dust-proof
- Square drive shaft with ring or dual version for a wide variety of applications
- Low noise and low vibration for operator comfort
- Comfortable handle with rubber grip & suspension bail included

See accessories page 87

MODEL	PART NUMBER	DRIVE	IMPACT MECANISM	BLOWS PER MINUTE	FREE SPEED	WORKING TORQUE (FW)		MAX TORQUE (REV)		NET WEIGHT		LENGTH		AIR CONS @LOAD		VIBRATION LEVEL ISO 28927 (M/S2)		SOUND PRESS.	SOUND POWER	AIR INLET
CP6748EX-P11R ATEX	**6151590570**	1/2	Twin hammer	1200	8400	133-561	180-760	800	1080	5.29	2.4	7.87	200	30	14.2	8.7	2.2	93	104	1/4
CP6768EX-P18D	**6151590580**	3/4	Twin hammer	1050	5100	295-1,030	400-1400	1290	1750	9.7	4.4	9.84	250	38	18	9.4	2.4	94	105	3/8
CP6778EX-P18D	**6151590590**	1	Twin hammer	1050	5100	295-1,030	400-1400	1290	1750	10.1	4.6	10.04	255	38	18	9.4	2.4	94	105	3/8

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

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

CP Controlled Bolting Overview

Torque Wrenches



CP89 Series

MANUAL TORQUE WRENCH

Traditional, manually operated torque wrench with handle adjustment. The right choice cost-minded users that require accuracy but not traceability.



CP89 eTorque

ELECTRONIC TORQUE WRENCH

Manually operated electronic torque wrench designed for virtually any torque tightening application under 1,000Nm. The right choice for precision applications that require process flexibility & traceability.



CP86 Series

BATTERY TORQUE WRENCH

Battery-powered nutrunner designed for various industrial torque tightening applications. The perfect choice for precision tightening applications that require process traceability and/or where air or electric power is not available.



CP66 Series

PNEUMATIC TORQUE WRENCH

Air-powered nutrunner designed for heavy-duty industrial torque tightening applications. The right choice for precision tightening applications in the harshest environments.

Tool overview



THL/TR Series

LOW-PROFILE TORQUE WRENCH

Two-piece, slim design with integrated hex-drive for restricted clearance applications. Used to apply controlled torque to fasteners via direct-fit.



THS Series

SQUARE DRIVE TORQUE WRENCH

Uses a standard, reversible square drive output (anvil) to apply controlled torque to fasteners using interchangeable sockets.



TRE/TSE Series

EXTREME-ACCESS SPANNER WRENCH

Two-piece, extremely slim design for ultra-restricted access or hard-to-reach bolt locations. Used to apply controlled torque to fasteners via direct fit.

Pump types



ETQ Series

ELECTRIC HYDRAULIC TORQUE PUMP

Driven by an AC-powered induction motor, ETQ series pumps supply pressurized oil to hydraulic torque tools, enabling the controlled application of high torque to fasteners.



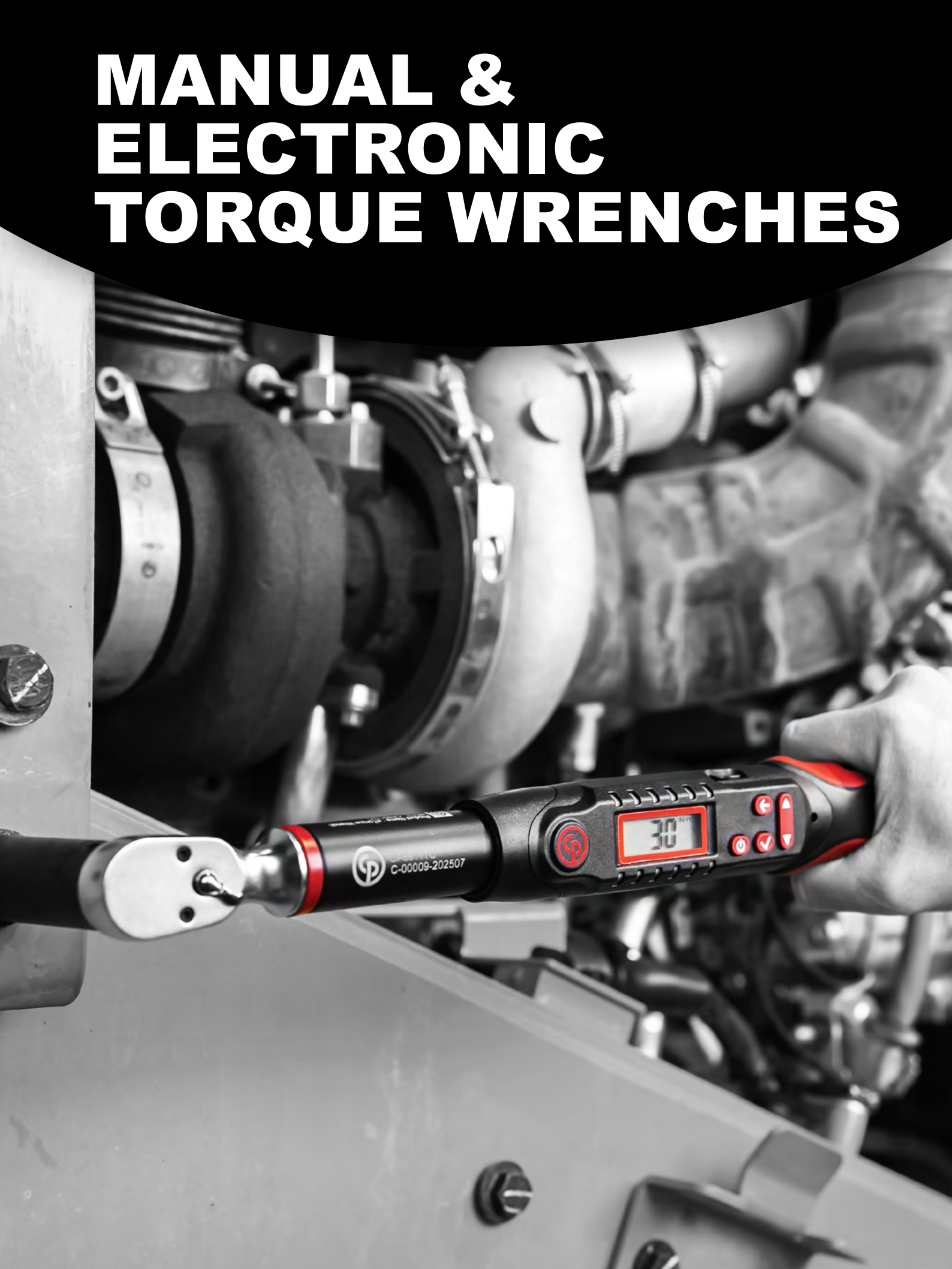
ATQ Series

PNEUMATIC HYDRAULIC TORQUE PUMP

Driven by pneumatic compressor, ATQ series pumps supply pressurized oil to hydraulic torque tools, enabling the controlled application of high torque to fasteners.

Notes

MANUAL & ELECTRONIC TORQUE WRENCHES



Electronic Torque Wrenches

CP89 ETORQUE NEW

Square drive sizes: 1/4", 3/8", 1/2" & 3/4"
Torque Range: 2 - 850 Nm



QUALITY CONTROL ANYWHERE. PERFORMANCE ANYTIME.

CP89 eTorque Wrenches provide accuracy, durability, and connectivity features not available anywhere else. Connected “TC” models utilize CPLinQ to control process quality. Standalone models allow quick adjustments to torque and accuracy at the tool.



CPCare

FEATURES AND BENEFITS

- CPLinQ compatibility (TC models) with high precision at +/- 3% Torque & +/- 2° Angle according to ISO 6789 – 1 2027
- Haptic: 12 LED progressive light display, very strong noise and vibration indicators
- as torque spec is approached, met, and exceeded
- Durability: Robust gear system accurate up to 25,000 cycles
- Ergonomic: 72 and 48 teeth gear heads for small working space jobs
- Easy to set up: user-friendly interface
- Greater operator comfort: soft grip, non-slip handle
- TC models also feature Adjustable Accuracy, Sequencing, Re-hit Detection, and Torque Check capabilities to ensure optimal production efficiency and proper application of torque every time
- 6 models covering a torque range of 2-850 Nm (2 - 625 ft/lb)
- Four square drive anvil sizes: 1/4", 3/8", 1/2", & 3/4"

OPTIMIZE PROCESSES AND QUALITY IN THE FIELD

CPLinQ

Control your tightening and counting sequence with:

- P-Set library featuring dedicated requirements for each job
- Counting sequence for 100% tightening guarantee and 0% rework



Google play App Store

Maintain your tool

Decrease the risk of breakage with:

- Tool status follow-up management
- Operation alert
- Maintenance timeline

See details p.58

Report your jobs

Tightening report for a quick report and data export

"With data collection, sequence set-up, CPLinQ is the perfect solution to secure your jobs in the field!"

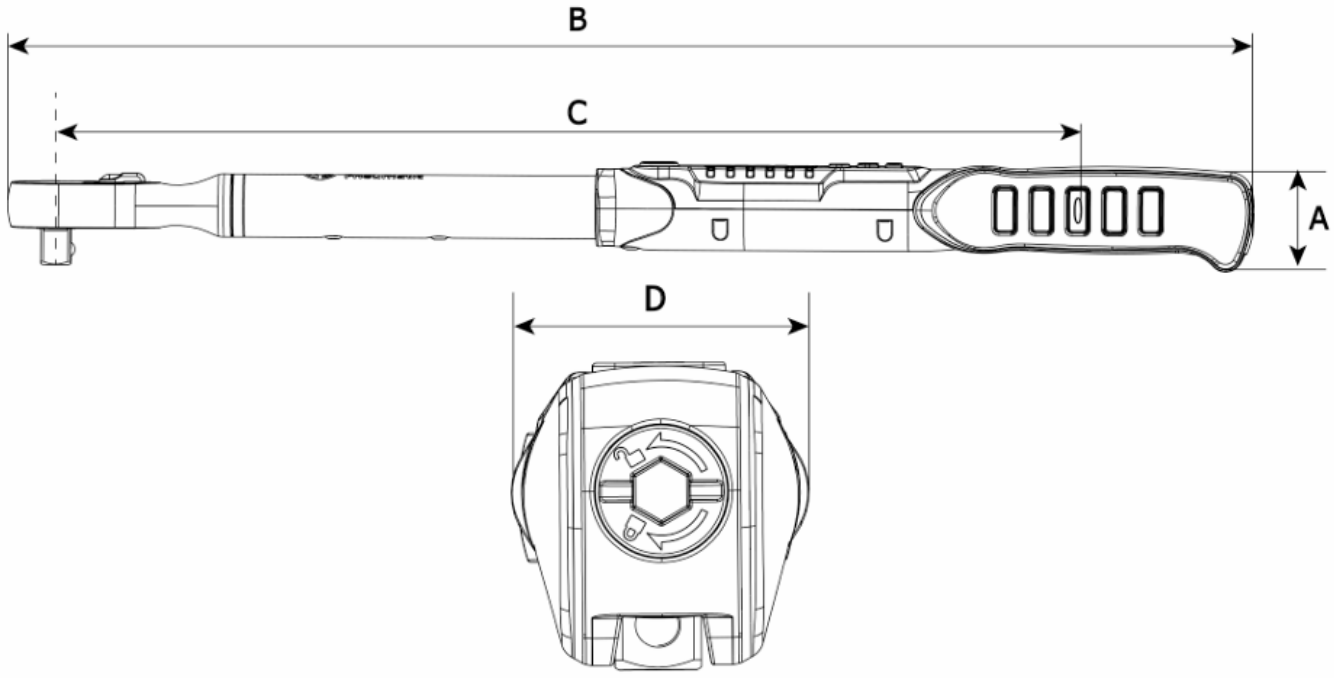
William Mouille,
Product Manager, Chicago Pneumatic

	CP89 STANDALONE Version	CP89 TC Version
Torque Control	At tool via LED Screen	Via CPLinQ App or at tool
Torque Accuracy	+/- 3% (Adjustable at tool)	
Angle Control	✗	Via CPLinQ App
Angle Accuracy	✗	+/- 2°
P-Set Library	✗	✔
Counting Sequence	✗	✔
Data Collection	✗	✔
Re-Hit Detection	✗	✔
Torque Check	✗	✔
Quick Report	✗	✔
.XLS Report via email or app	✗	✔
Tool Status Management	✗	✔
Operating Alert	✗	✔
Tool Lock & Finder	✗	✔

See accessories page 87

MODEL	PART NUMBER	DIMENSIONS		HEAD			TORQUE RANGE			ANGLE MEASUREMENT		CP LINK CONNECTIVITY	WEIGHT	VIBRATION INDICATION	LIGHT INDICATION	OPERATING TEMPERATURE
		mm	in.	Type	Square	Teeth	NM (ft/lb)	Accuracy	Overload	Available	Accuracy		Kg (lb)			C° (F°)
CP8906	**8941189060**	390 × 44 × 45	15.4 × 1.7 × 1.8	Fixed	1/4"	72	2-30 (2-22)	+/-3%	110%	✗	+/-2°	✗	0.77 (1.7)	✔	✔	-10° - 40°C (14° - 104°)
CP8906TC	**8941189061**	390 × 44 × 45	15.4 × 1.7 × 1.9	Fixed	1/4"	72	2-30 (2-22)	+/-3%	110%	✗	+/-2°	✗	0.77 (1.7)	✔	✔	-10° - 40°C (14° - 104°)
CP8911	**8941189110**	415 × 44 × 45	16.3 × 1.7 × 1.8	Fixed	3/8"	72	7-135 (5-99)	+/-3%	110%	✗	+/-2°	✗	0.83 (1.8)	✔	✔	-10° - 40°C (14° - 104°)
CP8911TC	**8941189111**	415 × 44 × 45	16.3 × 1.7 × 1.9	Fixed	3/8"	72	7-135 (5-99)	+/-3%	110%	✗	+/-2°	✗	0.83 (1.8)	✔	✔	-10° - 40°C (14° - 104°)
CP8916	**8941089160**	435 × 44 × 45	20.1 × 1.7 × 1.8	Fixed	1/2"	72	20-200 (15-147)	+/-3%	110%	✗	+/-2°	✗	1.3 (2.9)	✔	✔	-10° - 40°C (14° - 104°)
CP8916TC	**8941089161**	435 × 44 × 45	20.1 × 1.7 × 1.9	Fixed	1/2"	72	20-200 (15-147)	+/-3%	110%	✗	+/-2°	✗	1.3 (2.9)	✔	✔	-10° - 40°C (14° - 104°)
CP8918	**8941089180**	629 × 44 × 45	24.75 × 1.7 × 1.8	Fixed	1/2"	72	34-340 (25-250)	+/-3%	110%	✗	+/-2°	✗	1.5 (3.3)	✔	✔	-10° - 40°C (14° - 104°)
CP8918TC	**8941089181**	629 × 44 × 45	24.75 × 1.7 × 1.9	Fixed	1/2"	72	34-340 (25-250)	+/-3%	110%	✗	+/-2°	✗	1.5 (3.3)	✔	✔	-10° - 40°C (14° - 104°)
CP8921	**8941189210**	950 × 44 × 45	37.4 × 1.7 × 1.8	Fixed	3/4"	48	25-500 (20-368)	+/-3%	110%	✗	+/-2°	✗	2.99 (6.6)	✔	✔	-10° - 40°C (14° - 104°)
CP8921TC	**8941189211**	950 × 44 × 45	37.4 × 1.7 × 1.9	Fixed	3/4"	48	25-500 (20-368)	+/-3%	110%	✗	+/-2°	✗	2.99 (6.6)	✔	✔	-10° - 40°C (14° - 104°)
CP8922	**8941189220**	1220 × 44 × 45	48.12 × 1.7 × 1.8	Fixed	3/4"	48	50-850 (32-625)	+/-3%	110%	✗	+/-2°	✗	4.17 (9.2)	✔	✔	-10° - 40°C (14° - 104°)
CP8922TC	**8941189221**	1220 × 44 × 45	48.12 × 1.7 × 1.9	Fixed	3/4"	48	50-850 (32-625)	+/-3%	110%	✗	+/-2°	✗	4.17 (9.2)	✔	✔	-10° - 40°C (14° - 104°)

Dimensional drawings



DIMENSIONS	CP8906	CP8906TC	CP8911	CP8911TC	CP8916	CP8916TC
A (mm)	45	45	45	45	45	45
A (")	1.8	1.8	1.8	1.8	1.8	1.8
B (mm)	382	382	413	413	530	530
B (")	15	15	16.3	16.3	20.9	20.9
C (mm)	296.3	296.3	323.8	323.8	434.2	434.2
C (")	11.7	11.7	12.8	12.8	17.1	17.1
D (mm)	44	44	44	44	44	44
D (")	1.7	1.7	1.7	1.7	1.7	1.7

DIMENSIONS	CP8918	CP8918TC	CP8921	CP8921TC	CP8922	CP8922TC
A (mm)	45	45	45	45	45	45
A (")	1.8	1.8	1.8	1.8	1.8	1.8
B (mm)	650	650	944	944	1220	1220
B (")	25.6	25.6	37.2	37.2	48	48
C (mm)	555	555	839.7	839.7	839.7	839.7
C (")	21.8	21.8	33.1	33.1	33.1	33.1
D (mm)	44	44	60	60	60	60
D (")	1.7	1.7	2.4	2.4	2.4	2.4

Batteries

Two **AA batteries** are used to operate the tool.

AA batteries are not provided with the Electronic Torque Wrench and must be ordered separately

Mechanical Torque Wrenches

CP89 SERIES

Complete range 1/4" - 3/8" - 1/2" - 3/4" - 1"



MADE FOR LONG-LASTING ACCURACY

Long-lasting accuracy torque wrench up to 25,000 cycles for vehicle services and MRO applications.



FEATURES AND BENEFITS

- Precision: 4% according to the 6789 ISO specifications
- Comfort: Black aluminum handle (1)
- Easy & precise adjustment : Scale in Nm - Torque adjustment with manual locking in front of the handle + fine scale graduation (1 Nm) (2)
- Robust : 54 teeth ratchet with quick socket release – pear head ratchet – 4/ 5 teeth in contact when tightening (3)
- Complete range : ¼'' – 3/8'' – ½" – ¾'' – 1''
- Durable : Tolerance of durability -> up to 20000 cycles
- Touch & sound signals on release
- Provided with calibration certificate
- Provided in a protective Blow molded case

Range capacity 1/4" - 1"

1/4"



1/2"



3/4"



CP8905 CP8915 CP8920

MADE FOR LONG-LASTING ACCURACY

FEATURES AND BENEFITS

- 4% according to the ISO 6789 – 1 : 2017 specifications for accuracy
- Reliability of the mechanism up to 25,000 cycles guarantees long-lasting accuracy
- Torque adjustment with manual locking at the front of the handle ensures ease of use and precise adjustment
- The aluminium handle is resistant to common chemicals found in workshops
- 54 teeth fixed pear head ratchet for durability

CP8910

Same features as CP8905 with 3/8" square drive - see below for torque capacities

CP8917

Same features as CP8915 - see below for torque capacities

CP8925

Same features as CP8920 - with 1" square drive - see below for torque capacities

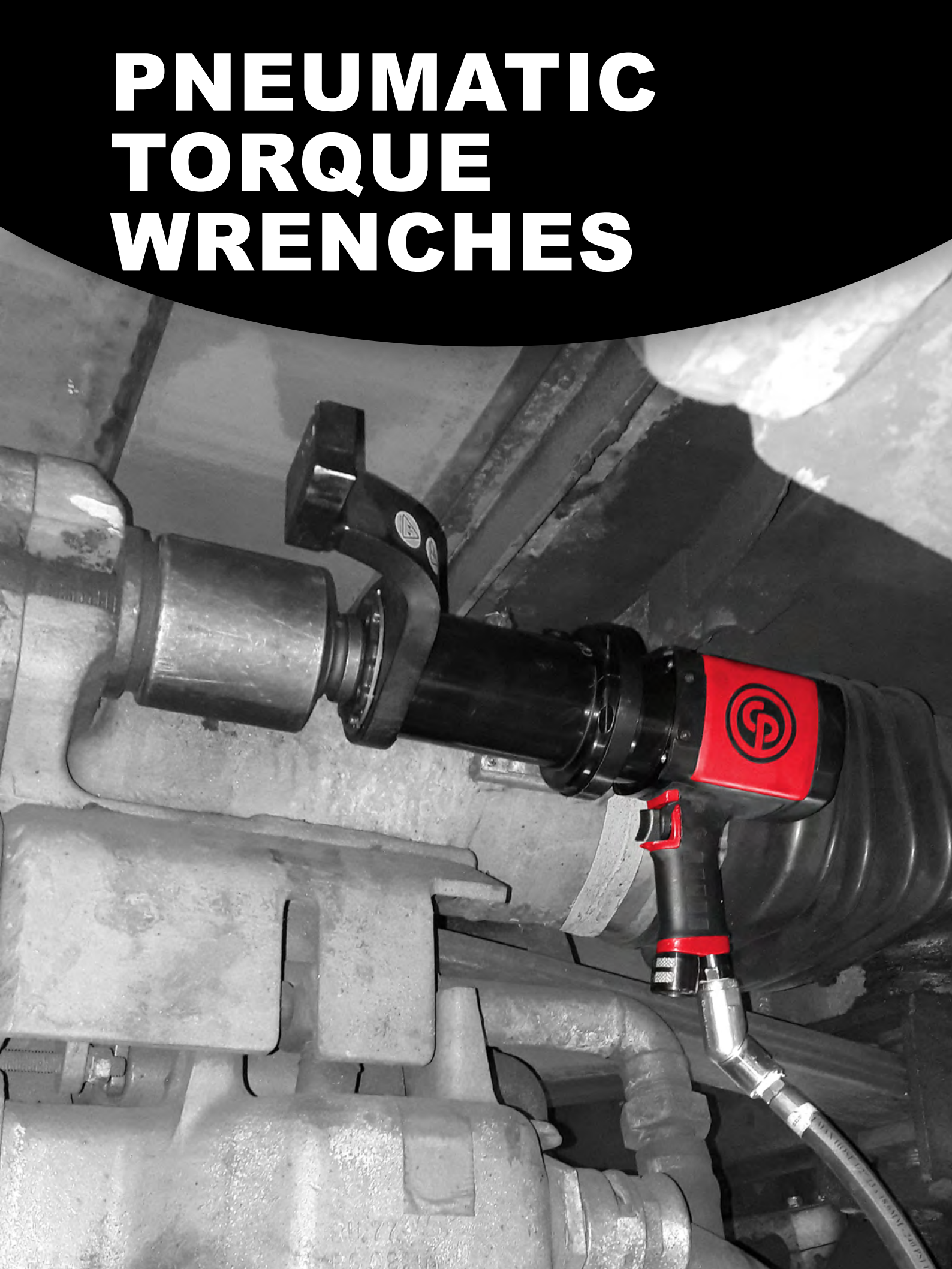
See accessories page 87

with E : metric versions - without E : imperial version

MODEL	PART NUMBER	SQUARE DRIVE	WORKING TORQUE (FW)		MAX TORQUE(REV)		CAPACITY		GRADUATION		LENGTH		WEIGHT	
		in.	ft.lb	Nm	ft.lb	Nm	N*m (Nm)	lbf*in (lbf*ft)	Nm	ft.lb	In.	mm	lb	kg
CP8905 E	**8941089050**	1/4	3.688	5	18.44	25	25	18.44	0.1	0.073	9.65	245	2.82	1.28
CP8905	**8941089055**	1/4	50.15	68	250	339	339	250	1	0.73	9.65	245	2.82	1.28
CP8910 E	**8941089100**	3/8	14.75	20	73.76	100	100	73.76	0.5	0.37	16.14	410	3.31	1.5
CP8910	**8941089105**	3/8	15	20.3	75	101.7	101.7	75	0.68	0.5	16.14	410	3.31	1.5
CP8915 E	**8941089150**	1/2	29.5	40	147.5	200	200	147.5	1	0.73	19.49	495	3.46	1.57
CP8915	**8941089155**	1/2	30	40.675	150	203.37	203.37	150	1.35	1	20.47	520	4.45	2.02
CP8917 E	**8941089170**	1/2	44.25	60	250.77	340	340	250.77	2	1.475	24.02	610	3.88	1.76
CP8917	**8941089175**	1/2	50	68	250	339	339	250	2.7	2	24.02	610	3.88	1.76
CP8920 E	**8941089200**	3/4	110.6	150	553	750	750	553	5	3.7	41.73	1060	35.7	16.2
CP8920	**8941089205**	3/4	110	149	550	745.7	745.7	550	6.8	5	41.73	1060	35.7	16.2
CP8925 E	**8941089250**	1	147.5	200	737.6	1000	1000	737.6	5	3.7	49.41	1255	15	6.84
CP8925	**8941089255**	1	150	203.4	1017	750	750	1017	6.8	5	49.41	1255	15	6.84

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

PNEUMATIC TORQUE WRENCHES



Pneumatic Torque wrenches

CP66 SERIES

Output is 3/4 - 1"

THE MOST ROBUST & ACCURATE AIR NUTRUNNER IN ITS CLASS

Designed for bolting applications in the oil & gas, power generation and heavy industrial application areas, the CP66 nutrunner series bring you a high torque level while also being accurate with low vibration.





CPCare

FEATURES AND BENEFITS

- Compact tool for tight high torque application
- Industrial FRL ATC pack for high accuracy
- Vane type impact wrench air motor for high performance
- Lightweight, swiveling handle and one-finger reverse mode for high operator comfort

Output drive 3/4" - 1”





CP6613





CP6626





CP6641



AIR TORQUE CONTROL (ATC) FRL PACK

Great accuracy with a fine pressure adjustment

COMBINE THE CP66 NUTRUNNERS WITH THE MOST ERGONOMIC AIR SUPPLY SOLUTION FOR HIGH TORQUE TIGHTENING:

INDUSTRIAL FRL

- Diaphragm type pressure valve
- 5 µm filter
- Secure oil adjustment
- ¾” Inlet size
- 16 bars/230PSI max pressure
- 180 ml oil capacity bowl
- Automatic drain

ANALOGUE GAUGE

- Safe to use in oil and gaz Industry
- Precise pressure set up

MOBILITY

- Easy-to-carry steel frame

MODEL	DESCRIPTION	PART NUMBER
ATC PACK FRL 3/4 BSP		**6158136540**
contains:	BALL VALVE F/F 3/4 BSP	**6158109440**
	FITTING 3/4"M BSP	**8940169458**
	FRL ¾” BSP	**6158135650**
	FRL STAND BRACKET KIT FOR 3/4"	**6158136350**
	PRESSURE GAUGE	**6154504025**

See accessories page 87

MODEL	PART NUMBER	DRIVE	FREE SPEED	MIN TORQUE 1.5 BAR (FW)		MAX TORQUE 6.3 BARS (REV)		NET WEIGHT		LENGTH		AIR CONS @FREE SPEED		VIBRATION LEVEL ISO 28927 (M/S2)		SOUND PRESS.	SOUND POWER	AIR INLET
		in.	rpm	ft.lb	Nm	ft.lb	Nm	lb	kg	in.	mm	cfm	l/s	a	k	ISO 15744 - dB(A)		in.
CP6613 Pistol	**6151800090**	3/4	20	236	320	959	1300	8.16	3.7	10	254	48	23	<2.5	-	90	101	3/8
CP6626 Pistol	**6151800100**	1	10	516	700	1920	2600	11.2	5.1	11.81	300	48	23	<2.5	-	90	101	3/8
CP6641 Pistol	**6151800110**	1	10	738	1000	3020	4100	19.4	8.8	14.21	361	65	31	<2.5	-	90	101	3/8
CP6681 D-Handle	**6151800590**	1 1/2	10	1600	2200	6000	8100	30.0	13.5	17.5	444	105	50	<2.5	-	90	101	1/2

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

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

Pneumatic torque wrenches

Output drive 1-1/2”



CP6681



YOU CAN ALSO ORDER "TOOL + ATC PACK" WHICH INCLUDES :

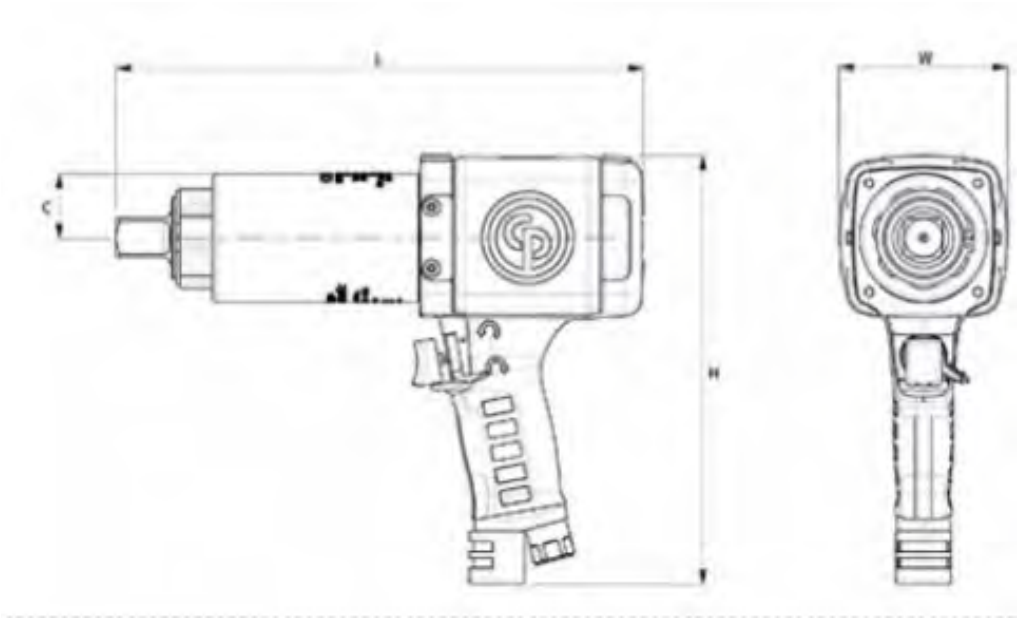
MODEL	PART NUMBER	INCLUDED IN PACK "TOOL+ATC"	BSP	NPT (FOR NORTH AMERICA)
CP6613 + ATC PACK **CP6626 + ATC PACK** **CP6641 + ATC PACK**	**6151800120** **6151800130** **6151800140**	CP66.. STALL TORQUE PNEUMATIC NUTRUNNER		
		HOSE WHIP EFFIMAX M3/8 NPT 1/2 13MM 0,6M	**6158112640**	**CA049271**
		NIPPLE F11S 38 NPT	**6158106710**	**6158105860**
		HOSE EFFI MAX 5/8" 16x22.5MM 3M	**6158132080**	
		ATC Pack ¾” FRL	**6158136540**	

MODEL	PART NUMBER	INCLUDED IN PACK "TOOL+ATC"	BSP	NPT (FOR NORTH AMERICA)
CP6681 + ATC PACK	**6151800600**	CP6681 1-1/2" STALL TORQUE PNEUMATIC NUTRUNNER		
		HOSE WHIP EFFIMAX M3/8 1/2 13MM 0,6M	**6158112650**	**6158112660**
		NIPPLE F11S 38	**6158106720**	**6158105870**
		HOSE EFFI MAX 5/8" 16x22.5MM 3M	**6158132080**	
		ATC Pack ¾” FRL	**6158136540**	



615 813 6510
ADAPTOR
3/4 BSP/NPT
FOR NORTH
AMERICA

Dimensional drawings



DIMENSIONS

MODEL.	LENGTH (L)		HEIGHT (H)		CENTER TO SIDE (C)		WIDTH (W)	
	in	mm	in	mm	in	mm	in	mm
CP6613	10.2	258	8.3	210	1.25	31.5	3.1	80
CP6626	12.0	306	8.3	210	1.30	33.5	3.1	80
CP6641	14.3	364	9.0	228	1.60	40.5	3.9	98
CP6681	17.5	444	7.0	177	2.00	50.5	4.3	110

Standard Reaction Arms

CP66-CP86-CP76 - RECOMMENDED ACCESSORIES

S TYPE REACTION ARM



MODEL	PART NUMBER
CP8603	**6158136285**
CP8609	**6158136835**
CP8613/CP6613	**6158131800**
CP8626/CP6626	**6158131810**
CP8641/CP6641	**6158131820**
CP8681	**6158135251**

SQUARE BRAKET



MODEL	PART NUMBER
CP8603	**6158136325**
CP8609	**6158136855**
CP8613/CP6613	**6158131890**
CP8626/CP6626	**6158131900**
CP8641/CP6641	**6158131910**
CP8681	**6158135281**

SLIDING DRIVE



MODEL	PART NUMBER
CP8603	**6158136305**
CP8609	**6158136865 & 6158136875 (extended)**
CP8613/CP6613	**6158131860**
CP8626/CP6626	**6158131870**
CP8641/CP6641	**6158131880**
CP8681	**6158135271**

STEELSPACE BAR



MODEL	PART NUMBER
CP8603	**6158136335**
CP8609	**6158136845**
CP8613/CP6613	**6158131830**
CP8626/CP6626	**6158131840**
CP8641/CP6641	**6158131850**
CP8681	**6158135261**

	 **Fish arm Based Kit**	 **Fish arm + Shoe Kit**	 **Long shaft 760 mm**	 **Nose extension 300 mm**	 **Nose extension 480 mm**	 **Adaptor Kit CPxx41 to CPxx26**
COMPATIBLE MODEL	PART NUMBER					
CP8613/CP6613				**6151780970**		
CP8626/CP6626	**6151800560**	**6151800550**	**6155012750**	**6151780980**	**6151780990**	**6151800570**
CP8641/CP6641	**6151800560**	**6151800550**	**6155012750**			

If our standard offer of reaction arms does not meet your specific needs, our engineering team can design custom reaction arms fully adapted to your application. Please refer to section “1.4 Custom reaction arm process (CP86, CP66, Hydraulics)” or contact your CP partner for more details.

BATTERY TORQUE WRENCHES



Battery torque wrenches

CP86 SERIES



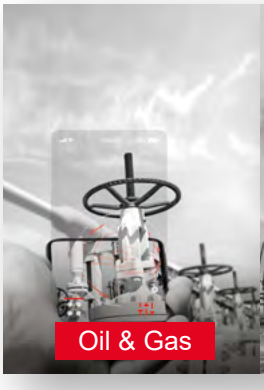
QUALITY ANYWHERE. PERFORMANCE ANYTIME.

Extended mobility and high precision with no compromise on safety. Thanks to CPLinQ app, add control to your process quality while in the field.

CPCare

FEATURES AND BENEFITS

- High precision with +/- 4%
- Safe tightening with second start button as standard
- Extended mobility with lightweight and compact battery
- Automatic release reaction arm
- Intuitive handling either on OLED Digital screen of the tool or via CPLinQ app









Railroad & Rolling stock

Agricultural equipment

Shipyard

Construction

Battery torque wrenches



CP8603



CP8609



CP8613

QUALITY ANYWHERE.
PERFORMANCE ANYTIME.

FEATURES AND BENEFITS

- High precision with +/- 4%
- Safe tightening with second start button as standard
- Extended mobility with lightweight and compact battery
- Automatic release reaction arm
- Intuitive handling either on OLED Digital screen of the tool or via CPLinQ app

See accessories page 57

MODEL	PART NUMBER	DRIVE	FREE SPEED	MIN TORQUE		MAX TORQUE		WEIGHT		VIBRATION LEVEL ISO 28927 (M/S2)		SOUND PRESS.	SOUND POWER	BATTERY	
		in.	rpm	ft.lb	Nm	ft.lb	Nm	lb	kg	a	k	ISO 15744 - dB(A)		Ah	V
CP8603 PACK 36V 2.5AH*	**6151570380**	3/4	20	51.6	70	240	325	7.28	3.3	<2.5	-	0	0	2.5	36 V
CP8603C PACK 36V 2.5AH*	**6151570390**	3/4	20	51.6	70	240	325	7.28	3.3	<2.5	-	0	0	2.5	36 V
CP8603CQ PACK 36V 2.5AH*	**6151570400**	3/4	20	51.6	70	240	325	7.28	3.3	<2.5	-	0	0	2.5	36 V
CP8603TC PACK 36V 2.5AH*	**6151570410**	3/4	20	51.6	70	240	325	7.28	3.3	<2.5	-	59	0	2.5	36 V
NEW **CP8609 PACK 36V 2.5AH***	**6151571120**	1	15	185	250	665	900	10.7	4.86	<2.5	-	58	0	2.5	36 V
CP8609C PACK 36V 2.5AH*	**6151571130**	1	15	185	250	665	900	10.7	4.86	<2,5	-	58	0	2.5	36 V
CP8609CQ PACK 36V 2.5AH*	**6151571140**	1	15	185	250	665	900	10.7	4.86	<2,5	-	58	0	2.5	36 V
CP8609TC PACK 36V 2.5AH*	**6151571150**	1	15	185	250	665	900	10.7	4.86	<2,5	-	58	0	2.5	36 V
CP8613 PACK 36V 2.5AH*	**6151570000**	3/4	10	221	300	959	1300	6.39	2.9	<2.5	-	83	0	2.5	36 V
CP8613 WOB PACK 36V 2.5AH	**6151570340**	3/4	10	221	300	959	1300	8.16	3.7	<2.5	-	83	0	2.5	36 V
CP8613C PACK 36V 2.5AH*	**6151570010**	3/4	10	221	300	959	1300	9.92	4.5	<2,5	-	83	0	2.5	36 V
CP8613C WOB PACK 36V 2.5AH	**6151570350**	3/4	10	221	300	959	1300	8.16	3.7	<2.5	-	83	0	2.5	36 V
CP8613CQ PACK 36V 2.5AH*	**6151570020**	3/4	10	221	300	959	1300	9.92	4.5	<2,5	-	83	0	2.5	36 V
CP8613CQ WOB PACK 36V 2.5AH	**6151570360**	3/4	10	221	300	959	1300	8.16	3.7	<2.5	-	83	0	2.5	36 V
CP8613TC PACK 36V 2.5AH*	**6151570670**	3/4	10	221	300	959	1300	9.92	4.5	<2,5	-	83	0	2.5	36 V
CP8613TC WOB PACK 36V 2.5AH	**6151570710**	3/4	10	221	300	959	1300	8.16	3.7	<2.5	-	83	0	2.5	36 V

** Specified weight includes the reaction arm only; battery weight is 1.76 lb / 0.8 kg.*



CP8626



CP8641



CP8681

See accessories page 87

MODEL	PART NUMBER	DRIVE	FREE SPEED	MIN TORQUE		MAX TORQUE		WEIGHT		VIBRATION LEVEL ISO 28927 (M/S2)		SOUND PRESS.	SOUND POWER	BATTERY	
		in.	rpm	ft.lb	Nm	ft.lb	Nm	lb	kg	a	k	ISO 15744 - dB(A)		Ah	V
CP8626 PACK 36V 2.5AH*	**6151570030**	1	5	516	700	1920	2600	14.1	6.4	<2,5	-	83	0	2.5	36 V
CP8626C PACK 36V 2.5AH*	**6151570040**	1	5	516	700	1920	2600	14.1	6.4	<2,5	-	83	0	2.5	36 V
CP8626CQ PACK 36V 2.5AH*	**6151570050**	1	5	516	700	1920	2600	14.1	6.4	<2,5	-	83	0	2.5	36 V
CP8626TC PACK 36V 2.5AH*	**6151570680**	1	5	516	700	1920	2600	14.1	6.4	<2,5	-	83	0	2.5	36 V
CP8641 PACK 36V 2.5AH*	**6151570060**	1	3	738	1000	3020	4100	23.3	10.6	<2,5	-	83	0	2.5	36 V
CP8641C PACK 36V 2.5AH*	**6151570070**	1	3	738	1000	3020	4100	23.3	10.6	<2,5	-	83	0	2.5	36 V
CP8641CQ PACK 36V 2.5AH*	**6151570080**	1	3	738	1000	3020	4100	23.3	10.6	<2,5	-	83	0	2.5	36 V
CP8641TC PACK 36V 2.5AH*	**6151570690**	1	3	738	1000	3020	4100	23.3	10.6	<2,5	-	83	0	2.5	36 V
CP8681 PACK 36V 2.5AH*	**6151570090**	1-1/2	1	1480	2000	5970	8100	34.6	15.7	<2,5	-	83	0	2.5	36 V
CP8681C PACK 36V 2.5AH*	**6151570190**	1-1/2	1	1480	2000	5970	8100	34.6	15.7	<2.5	-	83	64	2.5	36 V
CP8681CQ PACK 36V 2.5AH*	**6151570200**	1-1/2	1	1480	2000	5970	8100	34.6	15.7	<2.5	-	83	64	2.5	36 V
CP8681TC PACK 36V 2.5AH*	**6151570700**	1-1/2	1	1480	2000	5970	8100	34.6	15.7	<2.5	-	83	64	2.5	36 V

** Specified weight includes the reaction arm only; battery weight is 1.76 lb / 0.8 kg.*





How to choose your battery torque wrench

1 Choose your application torque range

Models



CP8603
up to 325 Nm / 240 ft.lb



CP8609
up to 900 Nm / 530 ft.lb



CP8613
up to 1300 Nm / 960 ft.lb



CP8626
up to 2600 Nm / 1910 ft.lb



CP8641
up to 4100 Nm / 3020 ft.lb



CP8681
up to 8100 Nm / 5970 ft.lb

2 Choose the feature version

		Standalone	C - Connected	CQ - Connected Quality	TC - Torque Check
		All models			
Performance	Digital OLED display	✓	✓	✓	✓
	Automatic release reaction arm	✓	✓	✓	✓
	Torque tightening	✓	✓	✓	✓
	Counterclockwise tightening	✓	✓	✓	✓
Safety	Double safety button (second start safety trigger)	✓	✓	✓	✓
	Tool lock & finder		✓	✓	✓
Connectivity	CPLinQ		✓	✓	✓
Tool maintenance	Tool status follow-up management		✓	✓	✓
	Operation alert		✓	✓	✓
	Maintenance timeline		✓	✓	✓
Job control	Angle tightening		✓	✓	✓
	Torque & Angle tightening		✓	✓	✓
	P-Set library (up to 6 P-Set in the tool)		✓	✓	✓
	Counting sequence			✓	✓
Report	Tightening report			✓	✓
Process control	Torque Check				✓

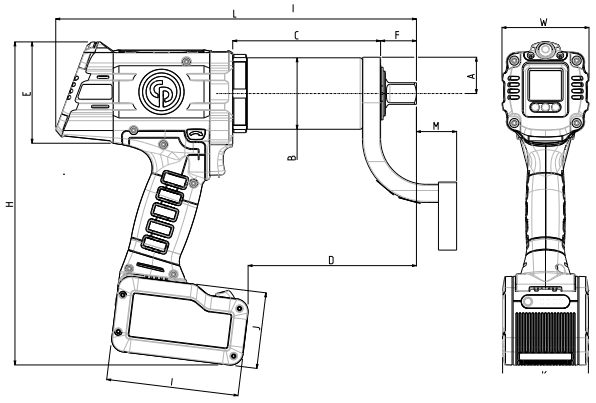
Battery torque wrenches

3 Choose your accessories

	 S Type	 Square Type	 Steel space bar	 Sliding-drive	 Blade	 Suspension yoke
Model	**Part number**					
CP8603	6158136285	6158136325	6158136335	6158136305	-	6158136310
CP8609	6158136835	6158136855	6158136845	6158136865 & 6158136875 (ext)	-	8940166654
CP8613	6158131800	6158131890	6158131830	6158131860	6158136100	6158131770
CP8626	6158131810	6158131900	6158131840	6158131870	-	6158131780
CP8641	6158131820	6158131910	6158131850	6158131880	-	6158131790
CP8681	6158135251	6158135281	6158135261	6158135271	-	6158135291

	 Fish arm Based Kit	 Fish arm + Shoe Kit	 Long shaft 760 mm	 Nose extension 300 mm	 Nose extension 480 mm	 Adaptor Kit CPxx41 to CPxx26
Compatible model	**Part number**					
CP8613				6151780970		
CP8626	6151800560	6151800550	6155012750	6151780980	6151780990	6151800570
CP8641	6151800560	6151800550	6155012750	6151781000		

Dimensions



		A	B	C	D	E	F	I	J	K	M	Height (H)	Length (L)	Width (W)
CP8603	in.	1.10	2.13	3.58	4.37	3.5	1.34	4.57	2.64	2.99	0.67	11.22	11.06	3.03
	mm	28	54	91	111	89	34	116	67	76	17	285	281	77
CP8609	in.	1.32	2.64	6.02	6.73	3.5	1.26	4.57	2.64	2.99	1.34	11.22	13.43	3.03
	mm	34	67	153	171	89	32	116	67	76	34	285	341	77
CP8613	in.	1.26	2.48	5.12	5.83	3.5	1.26	4.57	2.64	2.99	1.38	11.22	12.52	3.03
	mm	32	63	130	148	89	32	116	67	76	35	285	318	77
CP8626	in.	1.42	2.64	6.61	7.64	3.5	1.57	4.57	2.64	2.99	1.77	11.22	14.29	3.03
	mm	36	67	168	194	89	40	116	67	76	45	285	363	77
CP8641	in.	1.97	3.19	8.46	9.41	3.5	1.5	4.57	2.64	2.99	1.65	11.22	16.1	3.98
	mm	50	81	215	239	89	38	116	67	76	42	285	409	101
CP8681	in.	2.01	4.02	7.99	9.65	3.5	2.2	4.57	2.64	2.99	2.56	11.22	16.3	4.17
	mm	51	102	203	245	89	56	116	67	76	65	285	414	106

BATTERY CHARGER CP18-36CH



See details page 93

BATTERY PACK CP36XP25 36V 2,5Ah



See details page 93

Standard Reaction Arms

CP66-CP86-CP76 - RECOMMENDED ACCESSORIES

S TYPE REACTION ARM



MODEL	PART NUMBER
CP8603	**6158136285**
CP8609	**6158136835**
CP8613/CP6613	**6158131800**
CP8626/CP6626	**6158131810**
CP8641/CP6641	**6158131820**
CP8681	**6158135251**

SQUARE BRAKET



MODEL	PART NUMBER
CP8603	**6158136325**
CP8609	**6158136855**
CP8613/CP6613	**6158131890**
CP8626/CP6626	**6158131900**
CP8641/CP6641	**6158131910**
CP8681	**6158135281**

SLIDING DRIVE



MODEL	PART NUMBER
CP8603	**6158136305**
CP8609	**6158136865 & 6158136875 (extended)**
CP8613/CP6613	**6158131860**
CP8626/CP6626	**6158131870**
CP8641/CP6641	**6158131880**
CP8681	**6158135271**

STEELSPACE BAR



MODEL	PART NUMBER
CP8603	**6158136335**
CP8609	**6158136845**
CP8613/CP6613	**6158131830**
CP8626/CP6626	**6158131840**
CP8641/CP6641	**6158131850**
CP8681	**6158135261**

	 Fish arm Based Kit	 Fish arm + Shoe Kit	 Long shaft 760 mm	 Nose extension 300 mm	 Nose extension 480 mm	 Adaptor Kit CPxx41 to CPxx26
COMPATIBLE MODEL	PART NUMBER					
CP8613/CP6613				**6151780970**		
CP8626/CP6626	**6151800560**	**6151800550**	**6155012750**	**6151780980**	**6151780990**	**6151800570**
CP8641/CP6641	**6151800560**	**6151800550**	**6155012750**			

If our standard offer of reaction arms does not meet your specific needs, our engineering team can design custom reaction arms fully adapted to your application. Please refer to section “1.4 Custom reaction arm process (CP86, CP66, Hydraulics)” or contact your CP partner for more details.

CPLinQ

OPTIMIZE PROCESSES AND QUALITY IN THE FIELD

CPLinQ is an application specifically dedicated for managers looking to control processes and quality in the field to further improve productivity.

Maintain your tool

Decrease the risk of breakage with:

> Tool status follow-up management

> Operation alert

> Maintenance timeline

Control your tightening and counting sequence with:

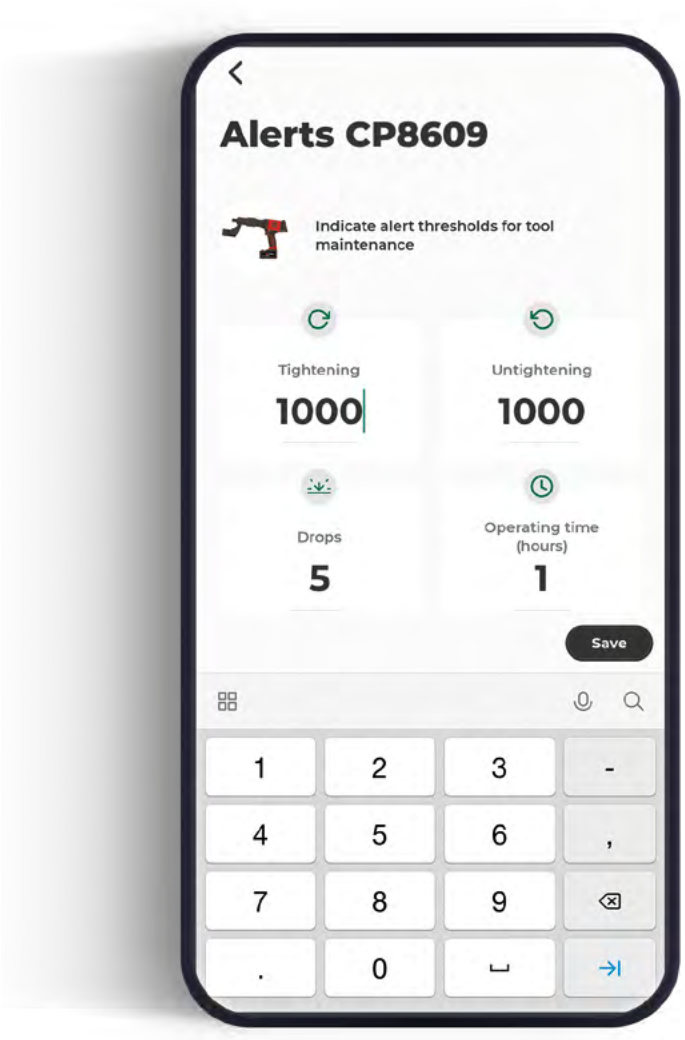
P-Set library featuring dedicated requirements for each job

Counting sequence for 100% tightening guarantee and 0% rework

Torque Check to control bolt loosening and adjust torque when necessary

Report your jobs

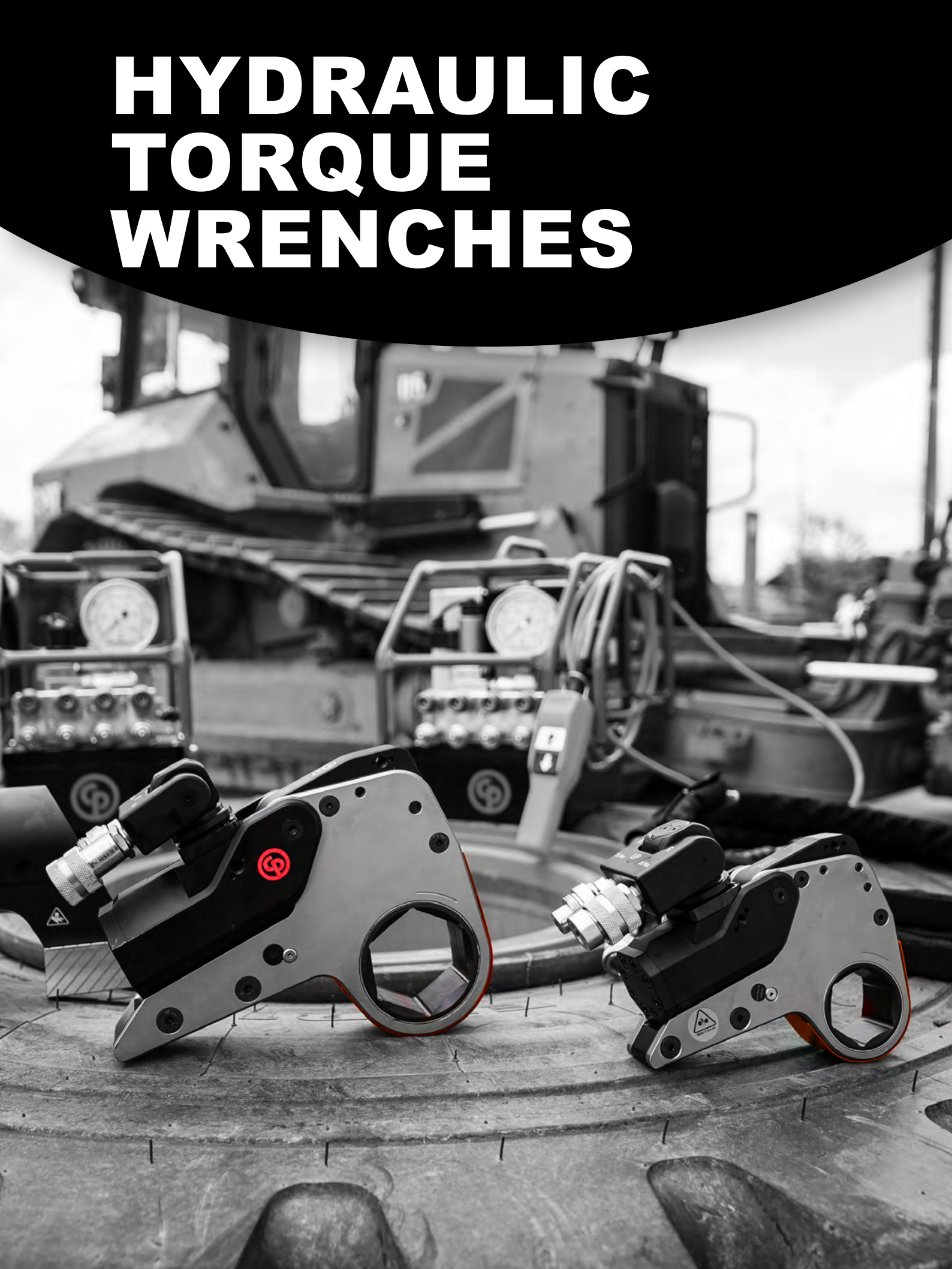
Tightening report for a quick report and data export

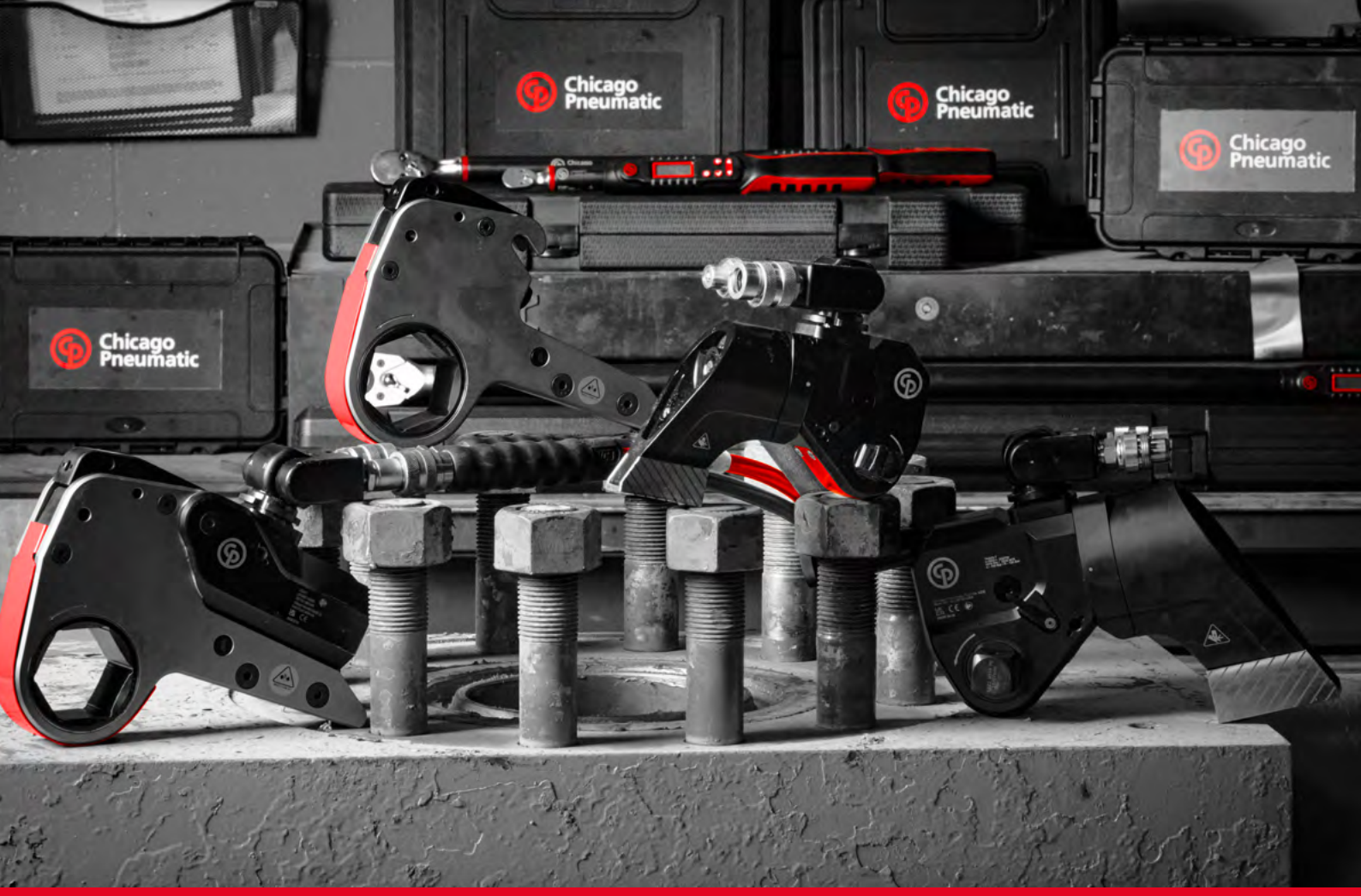


Google play

Available on the iPhone App Store

HYDRAULIC TORQUE WRENCHES





Hydraulic Tools

CONTROLLED BOLTING SOLUTIONS FOR CRITICAL JOINT APPLICATIONS

As a complete bolting solutions provider, CP is your trusted partner for a full portfolio of controlled bolting tools designed to maximize productivity and reduce downtime. From robust hydraulic torque tools to industry-leading battery and pneumatic nutrunners, and versatile electronic torque wrenches, CP delivers high-performance solutions backed by expert support.

We are driven to solve our customers' bolt tightening challenges—that's at the core of what we do. We believe in delivering reliable, precise connections through the right combination of advanced technology and expert support.

Hydraulic Torque Wrenches

THS SERIES SQUARE DRIVE

Sizes: 3/4", 1", 1-1/2", 2-1/2"
Torque Range: Up to 70,000Nm

QUALITY CONTROL ANYWHERE. PERFORMANCE ANYTIME.

Designed for the toughest jobs and conditions, the Chicago Pneumatic THS Series of Hydraulic Square Drive Wrenches deliver the durability, power, and accuracy crews rely on every day. Engineered to help teams work faster, safer, and with confidence, THS Square Drive tools perform across multiple industries where reliability matters most. THS tools can be used in a standard configuration or adapted with a wide range of hydraulic torque wrench accessories to suit the demands of the application.





FEATURES AND BENEFITS

- Retained reaction arm to prevent drops
- Aluminum unibody design for maximum strength and durability
- 360° rotating handle with multiple attachment points
- Integrated, quick-change square drive anvil
- Wide range of hex drives and adapters
- 360° x 180° standard Twin Swivel coupling

Hydraulic Torque Wrenches

Sizes: 3/4", 1", 1-1/2", 2-1/2"





CP THS SERIES

HIGH TORQUE OUTPUT, RELIABILITY AND INCREASED EFFICIENCY

FEATURES AND BENEFITS

- Retained reaction arm to prevent drops
- Aluminum unibody design for maximum strength and durability
- 360° rotating handle with multiple attachment points
- Integrated, quick-change square drive anvil
- Wide range of hex drives and adapters
- 360° x 180° standard Twin Swivel coupling

Technical Data

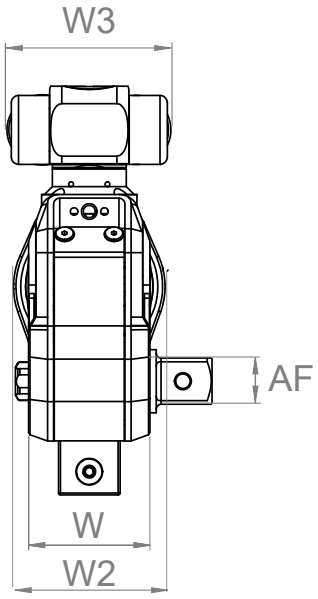
See accessories page 64

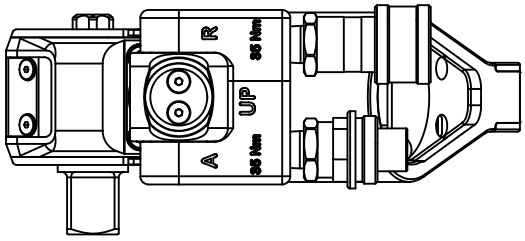
MODEL	PART NUMBER	SQUARE DRIVE	TORQUE				WEIGHT	
		in.	min. ft.lb	max. ft.lb	min. Nm	max. Nm	lb	kg
THS01-T	**6151551000**	3/4	209	1390	283	1885	6.44	2.92
THS03-T	**6151551010**	1	485	3230	657	4379	12.43	5.64
THS05-T	**6151551020**	1-1/2	839	5590	1137	7579	20.68	9.38
THS08-T	**6151551040**	1-1/2	1200	8000	1627	10847	27.26	12.52
THS10-T	**6151551030**	1-1/2	1728	11520	2343	15619	35.36	16.04
THS20-T	**6151551050**	2-1/2	2964	19760	4019	26791	36	18
THS25-T	**6151551060**	2-1/2	3884	25890	5266	35102	62	31
THS50-T	**6151551070**	2-1/2	7875	52500	10677	71180	96	48

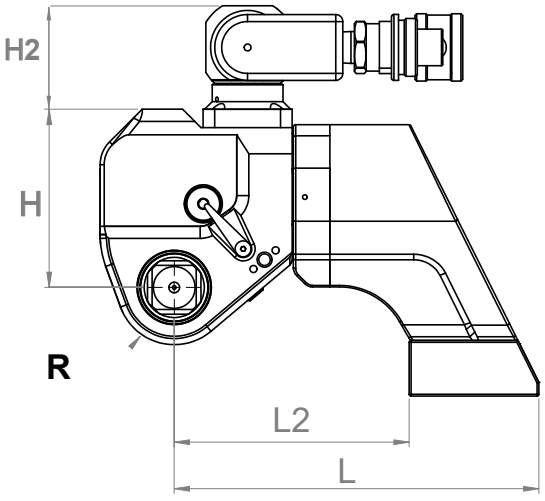
Hydraulic Torque Wrenches

Sizes: 3/4", 1", 1-1/2", 2-1/2"

Dimensions drawings







Visit CP Service here to find spare parts for your tool

Dimensions

MODEL	PART NUMBER	DIMENSIONS															
		L		L2		H		H2		RADIUS		W		W2		W3	
		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
THS01-T	**6151551000**	6.22	158	4.02	102	3.03	77	1.77	45	0.98	25	1.97	50	2.48	63	2.68	68
THS03-T	**6151551010**	8.03	204	5.00	127	3.82	97	1.81	46	1.30	33	2.64	67	3.19	81	2.68	68
THS05-T	**6151551020**	9.69	246	6.34	161	4.53	115	1.81	46	1.34	34	3.15	80	3.74	95	2.68	68
THS08-T	**6151551040**	12.32	313	8.19	208	5.87	149	1.81	46	1.93	49	3.94	100	4.65	118	2.68	68
THS10-T	**6151551030**	10.91	277	6.73	171	4.96	126	1.81	46	1.77	45	3.58	91	4.17	106	2.68	68
THS20-T	**6151551050**	14.65	372	9.65	245	5.98	152	1.93	49	2.13	54	4.72	120	5.47	139	2.68	68
THS25-T	**6151551060**	16.22	412	10.47	266	6.65	169	1.93	49	2.56	65	5.24	133	6.06	154	2.68	68
THS50-T	**6151551070**	19.92	506	13.07	332	8.39	213	1.97	50	3.19	81	6.57	167	7.60	193	2.68	68

Designs and specifications are subject to change without notice or obligation. Read all safety instructions in the manual before usage.

THS Series tools are delivered along with calibration certificate, removable foam insert, pressure test certificate, calibration certificate, operator's manual & safety information.

Square Drive Accessories

ALCO ARM



MODEL	PART NUMBER
REACTION BAR ALCO - THS01	6158139340
REACTION BAR ALCO - THS03	6158139350
REACTION BAR ALCO - THS05	6158139360
REACTION BAR ALCO - THS08	6158139370
REACTION BAR ALCO - THS10	6158139380

EXTENDED BAR



MODEL	PART NUMBER
REACTION BAR EXTENDED - THS01	6158139390
REACTION BAR EXTENDED - THS03	6158139400
REACTION BAR EXTENDED - THS05	6158139410
REACTION BAR EXTENDED - THS08	6158139420
REACTION BAR EXTENDED - THS10	6158139430

SLIDING BAR



MODEL	PART NUMBER
REACTION BAR SLIDING - THS01	6158139440
REACTION BAR SLIDING - THS03	6158139450
REACTION BAR SLIDING - THS05	6158139460
REACTION BAR SLIDING - THS08	6158139470
REACTION BAR SLIDING - THS10	6158139480

REACTION PAD



MODEL	PART NUMBER
REACTION PAD - THS01	6158139490
REACTION PAD - THS03	6158139500
REACTION PAD - THS05	6158139510
REACTION PAD - THS08	6158139520
REACTION PAD - THS10	6158139530

HOSES



MODEL	PART NUMBER	LENGTH		CONNECTION TYPE
		ft	m	lbf.ft
HT-T-20	6158137290	20	6	Standard Couplers
HT-T-15	6158137440	15	5	Standard Couplers
HT-T-30	6158137450	30	9	Standard Couplers
HT-T-50	6158137460	50	15	Standard Couplers

Low Profile

THL/TR SERIES - POWERHEADS & RATCHET LINKS

QUALITY CONTROL ANYWHERE. PERFORMANCE ANYTIME.

Designed for the toughest jobs and conditions, the Chicago Pneumatic THL/TR Series of Low-Profile hydraulic torque wrenches deliver the durability, power, and accuracy crews rely on every day. Engineered to help teams work faster, safer, and with confidence, THL/TR Low-Profile Wrenches perform across multiple industries where clearances are slim. Flexible by design, THL/TR Series tools are ideal for most applications and can be used in a standard configuration or adapted with a wide range of hydraulic torque wrench accessories to suit the demands of the application.

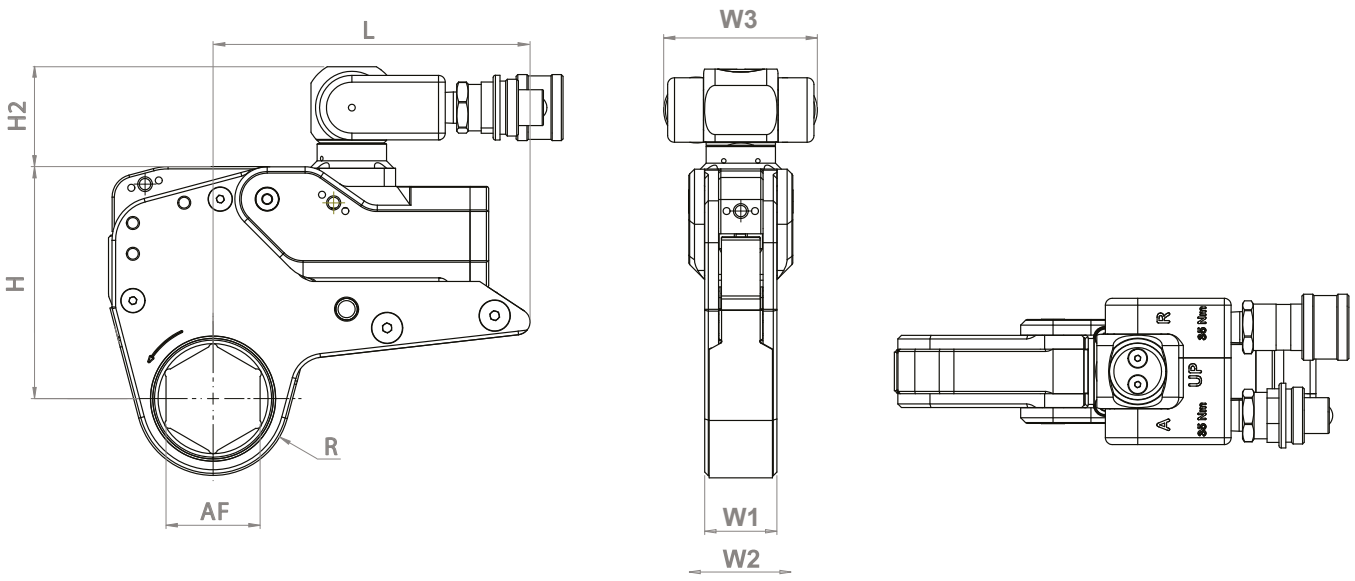




FEATURES AND BENEFITS

- Made from aircraft-grade aluminum alloy for maximum strength and durability
- Retained link pin to prevent drop hazards
- 360° rotating handle with multiple attachment points
- Thin nose radius to accommodate most low clearance applications
- Wide range of hex reducers and reaction arms to suit a wide range of applications
- 360° x 180° standard Twin Swivel coupling

Technical Data and Dimensions



Visit CP Service here to find spare parts for your tool

MODEL	PART NUMBER	RATCHET LINK HEX SIZE		TORQUE RANGE		WEIGHT (POWERHEAD ONLY)	
		in	mm	ft.lb.	Nm	lb	kg
THL02-T	**6151552000**	3/4 - 2-9/16	15 - 65	257 - 1710	348 - 2318	2.89	1.31
THL04-T	**6151552010**	3/4 - 3-3/16	15 - 80	579 - 3855	784 - 5227	4.72	2.14
THL08-T	**6151552020**	1 1/8 - 3-7/8	30 - 100	1223 - 8151	1658 - 11051	7.63	3.46
THL18-T	**6151552040**	2 3/16 - 5 3/8	55 - 135	2861 - 19074	3879 - 25861	15.61	7.08
THL30-T	**6151552050**	2 9/16 - 6 1/8	65 - 155	4770 - 31800	6467 - 43115	25.47	11.55

MODEL	PART NUMBER	DIMENSIONS													
		L		H		H2		RADIUS		W		W2		W3	
		in.	mn	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
THL02-T	**6151552000**	5.5	139	4	102	1.9	49	0.35	9	1.3	32	1.8	46	2.7	68
THL04-T	**6151552010**	7.5	191	5.4	136	2	50	0.47	12	1.7	43	2.4	61	2.7	68
THL08-T	**6151552020**	9.3	235	6.7	170	1.9	48	0.59	15	2.1	53	3.1	78	2.7	68
THL18-T	**6151552040**	12.7	322	9.1	231	1.7	44	0.87	22.2	2.8	70	4.1	105	2.7	68
THL30-T	**6151552050**	15	457	10.7	272	2	51	1	25.4	3.3	85	4.8	122	2.7	68

THL Series tools are delivered along with calibration certificate, removable foam insert, pressure test certificate, calibration certificate, operator's manual & safety information

TR02 Ratchet Link Sizes

MODEL	PART NUMBER	NOMINAL	HEXAGON A/F	NOSE RADIUS 'R'	
		in	Metrix	in	mm
TR02-15MM	**6151553500**		15	1.037	26.34
TR02-17MM	**6151553510**		17	1.037	26.34
TR02-012/19MM	**6151553520**	3/4"	19	1.037	26.34
TR02-013	**6151553530**	13/16"		1.037	26.34
TR02-014/22MM	**6151553540**	7/8"	22	1.037	26.34
TR02-24MM	**6151553550**	15/16"	24	1.037	26.34
TR02-100	**6151553560**	1"		1.037	26.34
TR02-101/27MM	**6151553040**	1-1/16"	27	1.037	26.34
TR02-102	**6151553570**	1-1/8"		1.037	26.34
TR02-103/30MM	**6151553580**	1-3/16"	30	1.118	28.40
TR02-104/32MM	**6151553050**	1-1/4"	32	1.118	28.40
TR02-105	**6151553590**	1-5/16"		1.219	30.96
TR02-34MM	**6151553600**		34	1.219	30.96
TR02-107/36MM	**6151553060**	1-7/16"	36	1.219	30.96
TR02-108	**6151553610**	1-1/2"		1.329	33.76
TR02-109	**6151553620**	1-9/16"		1.329	33.76
TR02-110/41MM	**6151553010**	1-5/8"	41	1.329	33.76
TR02-111	**6151553630**	1-11/16"		1.436	36.47
TR02-112	**6151553640**	1-3/4"		1.436	36.47
TR02-113/46MM	**6151553000**	1-13/16"	46	1.436	36.47
TR02-114	**6151553650**	1-7/8"		1.548	39.32
TR02-115	**6151553660**	1-15/16"		1.548	39.32
TR02-50MM	**6151553070**		50	1.548	39.32
TR02-200	**6151553020**	2"		1.548	39.32
TR02-201	**6151553670**	2-1/16"		1.657	42.09
TR02-202	**6151553680**	2-1/8"		1.657	42.09
TR02-203/55MM	**6151553030**	2-3/16"	55	1.657	42.09
TR02-204	**6151553690**	2-1/4"		1.767	44.88
TR02-58MM	**6151553700**		58	1.767	44.88
TR02-205	**6151553710**	2-5/16"		1.767	44.88
TR02-206/60MM	**6151553080**	2-3/8"	60	1.767	44.88
TR02-207	**6151553720**	2-7/16"		1.877	47.68
TR02-208	**6151553730**	2-1/2"		1.877	47.68
TR02-209/65MM	**6151553090**	2-9/16"	65	1.877	47.68

Additional ratchet link sizes available upon request.

TR04 Ratchet Link Sizes

MODEL	PART NUMBER	NOMINAL	HEXAGON A/F	NOSE RADIUS 'R'	
		in	Metrix	in	mm
TR04-15MM	**6151554000**		15	1.335	33.91
TR04-17MM	**6151554010**		17	1.335	33.91
TR04-012/19MM	**6151554020**	3/4"	19	1.335	33.91
TR04-013	**6151554030**	13/16"		1.335	33.91
TR04-014/22MM	**6151554040**	7/8"	22	1.335	33.91
TR04-24MM	**6151554050**	15/16"	24	1.335	33.91
TR04-100	**6151554060**	1"		1.335	33.91
TR04-101/27MM	**6151554280**	1-1/16"	27	1.335	33.91
TR02-102	**6151554070**	1-1/8"		1.335	33.909
TR04-103/30MM	**6151554080**	1-3/16"	30	1.335	33.91
TR04-104/32MM	**6151554290**	1-1/4"	32	1.335	33.91
TR04-105	**6151554090**	1-5/16"		1.335	33.91
TR04-107/36MM	**6151554300**	1-7/16"	36	1.335	33.91
TR04-108	**6151554100**	1-1/2"		1.444	36.68
TR04-109	**6151554110**	1-9/16"		1.444	36.68
TR04-110/41MM	**6151554310**	1-5/8"	41	1.444	36.68
TR04-111	**6151554120**	1-11/16"		1.552	39.42
TR04-112	**6151554130**	1-3/4"		1.552	39.42
TR04-113/46MM	**6151554320**	1-13/16"	46	1.552	39.42
TR04-114	**6151554140**	1-7/8"		1.662	42.21
TR04-115	**6151554150**	1-15/16"		1.662	42.21
TR04-50MM	**6151554330**		50	1.662	42.21
TR04-200	**6151553100**	2"		1.662	42.21
TR04-201	**6151554160**	2-1/16"		1.772	45.01
TR04-202	**6151554170**	2-1/8"		1.772	45.01
TR04-203/55MM	**6151553120**	2-3/16"	55	1.772	45.01
TR04-204	**6151554180**	2-1/4"		1.882	47.80
TR04-58MM	**6151554190**		58	1.882	47.80
TR04-205	**6151554200**	2-5/16"		1.882	47.80
TR04-206/60MM	**6151553140**	2-3/8"	60	1.882	47.80
TR04-207	**6151554210**	2-7/16"		1.991	50.57
TR04-208	**6151554220**	2-1/2"		1.991	50.57
TR04-209/65MM	**6151553150**	2-9/16"	65	1.991	50.57
TR04-210	**6151554230**	2-5/8"		2.101	53.37
TR04-212/70MM	**6151553130**	2-3/4"	70	2.101	53.37
TR04-213	**6151554240**	2-13/16"		2.218	56.34
TR04-215/75MM	**6151553110**	2-15/16"	75	2.218	56.34
TR04-300	**6151554250**	3"		2.331	59.21
TR04-77MM	**6151554260**		77	2.331	59.21
TR04-301	**6151554270**	3-1/16"	78	2.331	59.21
TR04-302/80MM	**6151553160**	3-1/8"	80	2.331	59.21

Additional ratchet link sizes available upon request.

TR08 Ratchet Link Sizes

MODEL	PART NUMBER	NOMINAL	HEXAGON A/F	NOSE RADIUS 'R'	
		in	Metrix	in	mm
TR08-102	**6151553380**	1-1/8"		1.777	45.14
TR08-103/30MM	**6151553390**	1-3/16"	30	1.777	45.14
TR08-104/32MM	**6151553240**	1-1/4"	32	1.777	45.14
TR08-105	**6151553400**	1-5/16"		1.777	45.14
TR08-107/36MM	**6151553250**	1-7/16"	36	1.777	45.14
TR08-108	**6151553410**	1-1/2"		1.777	45.14
TR08-109	**6151553420**	1-9/16"		1.777	45.14
TR08-110/41MM	**6151553260**	1-5/8"	41	1.777	45.14
TR08-111	**6151553430**	1-11/16"		1.777	45.14
TR08-112	**6151553440**	1-3/4"		1.777	45.14
TR08-113/46MM	**6151553270**	1-13/16"	45	1.777	45.14
TR08-114	**6151553450**	1-7/8"		1.777	45.14
TR08-115	**6151553460**	1-15/16"		1.777	45.14
TR08-50MM	**6151553330**		50	1.777	45.14
TR08-200	**6151553280**	2"		1.777	45.14
TR08-201	**6151553470**	2-1/16"		1.886	47.90
TR08-202	**6151553480**	2-1/8"		1.886	47.90
TR08-203/55MM	**6151553290**	2-3/16"	55	1.886	47.90
TR08-204	**6151553490**	2-1/4"		1.995	50.67
TR08-205	**6151554400**	2-5/16"		1.995	50.67
TR08-206/60MM	**6151553300**	2-3/8"	60	1.995	50.67
TR08-207	**6151554410**	2-7/16"		2.105	53.47
TR08-208	**6151554420**	2-1/2"		2.105	53.47
TR08-209/65MM	**6151553310**	2-9/16"	65	2.105	53.47
TR08-210	**6151554430**	2-5/8"		2.215	56.26
TR08-212/70MM	**6151553210**	2-3/4"	70	2.215	56.26
TR08-213	**6151554440**	2-13/16"		2.332	59.23
TR08-215/75MM	**6151553200**	2-15/16"	75	2.332	59.23
TR08-300	**6151554450**	3"		2.445	62.10
TR08-77MM	**6151554460**		77	2.445	62.10
TR08-78MM	**6151554470**	3-1/16"	78	2.445	62.10
TR08-302/80MM	**6151553230**	3-1/8"	80	2.445	62.10
TR08-85MM	**6151553340**		85	2.567	65.20
TR08-306	**6151554480**	3-3/8"		2.567	65.20
TR08-308	**6151553220**	3-1/2"		2.673	67.89
TR08-90MM	**6151553350**		90	2.673	67.89
TR08-310	**6151554490**	3-5/8"		2.797	71.04
TR08-312/95MM	**6151553370**	3-3/4"	95	2.797	71.04
TR08-314	**6151553320**	3-7/8"		2.900	73.66
TR08-100MM	**6151553360**		100	2.900	73.66

Additional ratchet link sizes available upon request.

TR18 Ratchet Link Sizes

MODEL	PART NUMBER	NOMINAL	HEXAGON A/F	NOSE RADIUS 'R'	
		in	Metrix	in	mm
TR18-203/55MM	**6151554650**	2-3/16"	55	2.572	65.32
TR-204	**6151554500**	2-1/4"		2.572	65.32
TR18-206/60MM	**6151554660**	2-3/8"	60	2.572	65.32
TR18-208	**6151554510**	2-1/2"		2.572	65.32
TR18-209/65MM	**6151554670**	2-9/16"	65	2.572	65.32
TR18-210	**6151554520**	2-5/8"		2.572	65.32
TR18-212/70MM	**6151554680**	2-3/4"	70	2.572	65.32
TR18-213	**6151554530**	2-13/16"		2.572	65.32
TR18-215/75MM	**6151554690**	2-15/16"	75	2.572	65.32
TR18-300	**6151554540**	3"		2.572	65.32
TR18-77MM	**6151554550**		77	2.685	68.20
TR18-301	**6151554560**	3-1/16"	78	2.685	68.20
TR18-302/80MM	**6151554700**	3-1/8"	80	2.685	68.20
TR18-303	**6151554570**	3-3/16"		2.913	73.98
TR18-85MM	**6151554710**		85	2.913	73.98
TR18-306	**6151554580**	3-3/8"		2.913	73.98
TR18-308	**6151554720**	3-1/2"		2.913	73.98
TR18-90MM	**6151554730**		90	2.913	73.98
TR18-310	**6151554590**	3-5/8"		3.140	79.74
TR18-311	**6151554600**	3-11/16"		3.140	79.74
TR18-312/95MM	**6151554740**	3-3/4"	95	3.140	79.74
TR18-314	**6151554750**	3-7/8"		3.140	79.74
TR18-100MM	**6151554760**		100	3.140	79.74
TR18-401	**6151554610**	4-1/16"		3.371	85.61
TR18-402	**6151554620**	4-1/8"		3.371	85.61
TR18-105MM	**6151554770**		105	3.371	85.61
TR18-403	**6151554630**	4-3/16"		3.371	85.61
TR18-404	**6151554780**	4-1/4"		3.371	85.61
TR18-110MM	**6151554790**		110	3.371	85.61
TR18-408	**6151554640**	4-1/2"		3.598	91.39
TR18-115MM	**6151554800**		115	3.598	91.39
TR18-410	**6151554810**	4-5/8"		3.598	91.39
TR18-120MM	**6151554820**		120	3.816	96.91
TR18-500	**6151554830**	5"		3.816	96.91
TR18-130MM	**6151554840**		130	3.985	101.22
TR18-135MM	**6151554850**		135	3.985	101.22
TR18-506	**6151554860**	5-3/8"		3.985	101.22

Additional ratchet link sizes available upon request.

TR30 Ratchet Link Sizes

MODEL	PART NUMBER	NOMINAL	HEXAGON A/F	NOSE RADIUS 'R'	
		in	Metrix	in	mm
TR30-209/65MM	**6151555260**	2-9/16"	65	3.029	76.94
TR30-210	**6151555100**	2-5/8"		3.029	76.94
TR30-212/70MM	**6151555270**	2-3/4"	70	3.029	76.94
TR30-213	**6151555110**	2-13/16"		3.029	76.94
TR30-215/75MM	**6151555280**	2-15/16"	75	3.029	76.94
TR30-300	**6151555120**	3"		3.029	76.94
TR30-77MM	**6151555130**		77	3.029	76.94
TR30-301	**6151555140**	3-1/16"	78	3.029	76.94
TR30-302/80MM	**6151555290**	3-1/8"	80	3.029	76.94
TR30-303	**6151555150**	3-3/16"		3.029	3.029
TR30-85MM	**6151555300**		85	3.029	76.94
TR30-306	**6151555160**	3-3/8"		3.029	76.94
TR30-308	**6151555310**	3-1/2"		3.029	76.94
TR30-90MM	**6151555320**		90	3.256	82.70
TR30-310	**6151555170**	3-5/8"		3.256	82.70
TR30-311	**6151555180**	3-11/16"		3.256	82.70
TR30-312/95MM	**6151555330**	3-3/4"	95	3.256	82.70
TR30-314	**6151555340**	3-7/8"		3.256	82.70
TR30-100MM	**6151555350**		100	3.256	82.70
TR30-401	**6151555190**	4-1/16"		3.487	88.57
TR30-402	**6151555200**	4-1/8"		3.487	88.57
TR30-105MM	**6151555360**		105	3.487	88.57
TR30-403	**6151555210**	4-3/16"		3.487	88.57
TR30-404	**6151555370**	4-1/4"		3.487	88.57
TR30-110MM	**6151555380**		110	3.487	88.57
TR30-408	**6151555220**	4-1/2"		3.713	94.31
TR30-115MM	**6151555390**		115	3.713	94.31
TR30-410	**6151555400**	4-5/8"		3.713	94.31
TR30-120MM	**6151555410**		120	3.941	100.10
TR30-500	**6151555420**	5"		3.941	100.10
TR30-130MM	**6151555430**		130	4.101	104.17
TR30-135MM	**6151555440**		135	4.101	104.17
TR30-506	**6151555450**	5-3/8"		4.101	104.17
TR30-140MM	**6151555230**		140	4.320	109.73
TR30-145MM	**6151555460**		145	4.320	109.73
TR30-512	**6151555470**	5-3/4"		4.320	109.73
TR30-150MM	**6151555240**		150	4.537	115.24
TR30-515	**6151555250**	5-15/16"		4.537	115.24
TR30-602/155MM	**6151555480**	6-1/8"	155	4.537	115.24

Additional ratchet link sizes available upon request.

Hex Reducer Accessories



ASSY DESCRIPTION	PART NUMBER	SIZE	
		in	mm
RH02-113/46MM-107/36MM	6158138760	1-7/16" - 1-13/16"	36 - 46
RH02-50MM-41MM	6158138770		41 - 50
RH04-215/75MM-209/65MM	6158139060	2-9/16" - 2-15/16"	65 - 75
RH02-50MM-46MM	6158138780		46 - 50
RH02-212/70MM-110/41MM	6158138790	1-5/8" - 2-3/4"	41- 70
RH04-302/80MM-100	6158139070	1" - 3-1/8"	
RH02-212/70MM-113/46MM	6158138800	1-13/16" - 2-3/4"	46 - 70
RH04-302/80MM-108	6158139080	1-1/2" - 3-1/8"	
RH02-212/70MM-114	6158138810	1-7/8" - 2-3/4"	
RH04-302/80MM-110	6158139090	1-5/8" - 3-1/8"	
RH04-113/46MM-103/30MM	6158138820	1-3/16" - 1-13/16"	30 -46
RH04-302/80MM-112	6158139100	1-3/4" - 3-1/8"	
RH04-113/46MM-107/36MM	6158138830	1-7/16" - 1-13/16"	36 -46
RH04-302/80MM-200	6158139110	2" - 3-1/8"	
RH04-113/46MM-42MM	6158138840		42 - 46
RH04-50MM-19MM	6158138850		19 - 50
RH04-302/80MM-206	6158139120	2-3/8" - 3-1/8"	
RH04-50MM-32MM	6158138860		32 - 50
RH08-203-200	6158139130	2" - 2-3/16"	
RH04-50MM-41MM	6158138870		41- 50
RH08-206/60MM-200/50MM	6158139140	2" - 2-3/8"	50 - 60
RH04-50MM-42MM	6158138880		42 - 50
RH08-206/60MM-203/60MM	6158139150	2-3/16" - 2-3/8"	60 - 60
RH08-70-46	6158139160	2-7/8" - 4-3/8"	
RH04-50MM-46MM	6158138890		46 - 50
RH04-200-112	6158138900	1-3/4" - 2"	
RH08-302 -110	6158139170	1-5/8" - 3-1/8"	
RH04-200-113	6158138910	1-13/16" - 2"	
RH08-302/80MM-215/75MM	6158139180	2-15/16" - 3-1/8"	75 - 80
RH04-203/55MM-50MM	6158138920		50 - 55
RH08-302/80MM-200/50MM	6158139190	2" - 3-1/8"	50 - 80
RH08-302/80-203/55MM	6158139200	2-3/16" - 3-1/8"	55 - 80
RH04-204-105	6158138930	1-5/16" - 2-1/4"	
RH04-204-108	6158138940	1-1/2" - 2-1/4"	
RH08-302/80MM-203/60MM	6158139210	2-3/16" - 3-1/8"	60 - 80
RH04-204-114	6158138950	1-7/8" - 2-1/4"	
RH08-314-308	6158139220	3-1/2" - 3-7/8"	
RH04-208-114	6158138960	1-7/8" - 2-1/2"	
RH08-100MM-80MM	6158139230		80 - 100
RH-306-215	6158139240	2-15/16" - 3-3/8"	
RH04-209/65MM-203/55MM	6158138970	2-3/16" - 2-9/16"	55 - 65
RH-312-306	6158139250	3-3/8" - 3-3/4"	
RH04-212/70MM-208	6158138980	2-1/2" - 2-3/4"	
RH-312-302	6158139260	3-1/8" - 3-3/4"	
RH04-212/70MM-201	6158138990	2-1/16" - 2-3/4"	
RH-105-095	6158139270	5-15/16" - 1-5/16"	
RH04-212/70MM-202	6158139000	2-1/8" - 2-3/4"	
RH-115-110	6158139280	1-5/8" - 1-15/16"	
RH04-212/70MM-203/55MM	6158139010	2-3/16" - 2-3/4"	55 - 70
RH-115-105	6158139290	1-5/16" - 1-15/16"	
RH04-212/70MM-204	6158139020	2-1/4" - 2-3/4"	
RH-115-100	6158139300	1" - 1-15/16"	
RH04-212-206	6158139030	2-3/8" - 2-3/4"	
RH-410-312	6158139310	3-3/4" - 4-5/8"	
RH04-70MM-60MM	6158139040		60 - 70
RH-302-215	6158139320	2-15/16" - 3-1/8"	
RH04-212/70MM-209/65MM	6158139050	2-9/16" - 2-3/4"	65 - 70
RH-302-212	6158139330	2-3/4" - 3-1/8"	

Hydraulic Low-Profile Accessories

INSERT HEX REDUCER



Please see Hex Reducer options on previous page

ALCO ARM



MODEL	PART NUMBER
REACTION BAR ALCO - TR02	**6158139540**
REACTION BAR ALCO - TR04	**6158139550**
REACTION BAR ALCO - TR08	**6158139560**
REACTION BAR ALCO - TR18	**6158139580**
REACTION BAR ALCO - TR30	**6158139590**

HOSES



MODEL	PART NUMBER	LENGTH		CONNECTION TYPE
		ft	m	lbf.ft
HT-T-20	**6158137290**	20	6	Standard Couplers
HT-T-15	**6158137440**	15	5	Standard Couplers
HT-T-30	**6158137450**	30	9	Standard Couplers
HT-T-50	**6158137460**	50	15	Standard Couplers

ONSIDE REACTION ARM



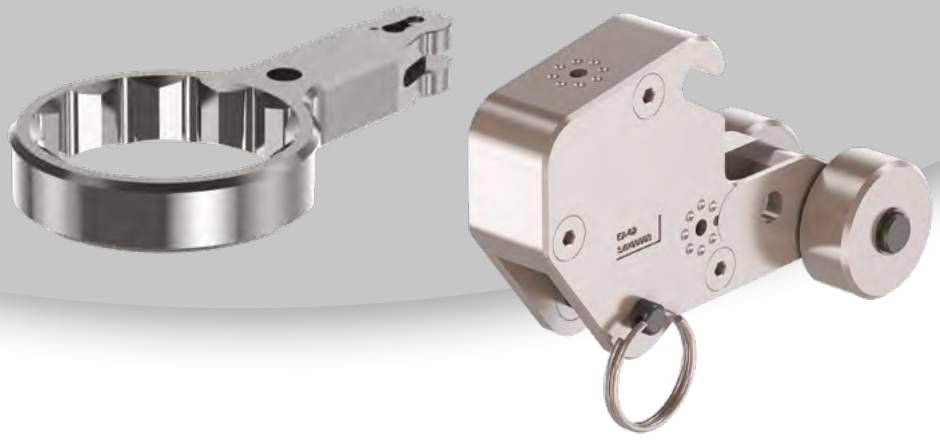
MODEL	PART NUMBER
REACTION BAR ONSIDE - TR02	**6158139600**
REACTION BAR ONSIDE - TR04	**6158139610**
REACTION BAR ONSIDE - TR08	**6158139620**
REACTION BAR ONSIDE - TR18	**6158139640**
REACTION BAR ONSIDE - TR30	**6158139650**

Extreme Access

TRE/TSE SERIES EXTREME ACCESS SPANNER WRENCHES

QUALITY CONTROL ANYWHERE. PERFORMANCE ANYTIME.

Designed for restricted access and hard -to-reach bolt locations, the Chicago Pneumatic TRE/TSE Series of Extreme Access Spanner Wrenches deliver the durability, power, and accuracy crews rely on for the most challenging applications.



FEATURES AND BENEFITS

- **T-Screw Operation:** Easily remove by twisting the top screw. No hammers needed
- **High Strength Axis:** Adjustable reaction, heat treated for durability
- **Thin Profile:** Adjusts to any application
- **12 Point:** The backup wrench fits standard and 12 point nuts.
- **Alloy Steel Construction:** High quality material avoids tool failure



CHOOSE YOUR POWER HEAD

The TRE/TSE powers the EA Spanner assembly. Choose your powerhead based on the torque values you will need.



SET UP YOUR LINK

Our link has been designed from the ground up to provide the strength needed while being extremely easy to set up.



CHOOSE YOUR SPANNER

Extreme Access spanners provide the durability and strength of our traditional ratchet links but can fit where traditional links won't.

EA Spanner Wrench Sizes



MODEL	PART NUMBER	SIZE/DIMENSION	
		in	mm
TSE08-200	**6158137880**	2"	
TSE08-203/55MM	**6158137890**	2-3/16"	55
TSE08-206/60MM	**6158137900**	2-3/8"	60
TSE08-209/65MM	**6158137910**	2-9/16"	65
TSE02-103/30MM	**6158137580**	1-3/16"	30
TSE08-212/70MM	**6158137920**	2-3/4"	70
TSE02-104/32MM	**6158137590**	1-1/4"	32
TSE08-71MM	**6158137930**		71
TSE02-107/36MM	**6158137600**	1-7/16"	36
TSE08-215/75MM	**6158137940**	2-15/16"	75
TSE02-108	**6158137610**	1-1/2"	
TSE08-302/80MM	**6158137950**	3-1/8"	80
TSE02-109	**6158137620**	1-9/16"	
TSE08-308	**6158137960**	3-1/2"	
TSE02-110/41MM	**6158137630**	1-5/8"	41
TSE08-90MM	**6158137970**		90
TSE08-100MM	**6158137980**		100
TSE02-111	**6158137640**	1-11/16"	
TSE02-112	**6158137650**	1-3/4"	
TSE02-113/46MM	**6158137660**	1-13/16"	46
TSE02-114	**6158137670**	1-7/8"	
TSE02-200	**6158137680**	2"	
TSE02-203/55MM	**6158137690**	2-13/16"	55
TSE02-204	**6158137700**	2-1/4"	
TSE02-206/60MM	**6158137710**	2-3/8"	60
TSE02-209/65MM	**6158137720**	2-9/16"	65
TSE02-212/70MM	**6158137730**	2-3/4"	70
TSE02-215/75MM	**6158137740**	2-15/16"	75
TSE04-50MM	**6158137750**		50
TSE04-200	**6158137760**	2"	
TSE04-51MM	**6158137770**		51
TSE04-203/55MM	**6158137780**	2-3/16"	55
TSE04-56MM	**6158137790**		56
TSE04-204	**6158137800**	2-1/4"	
TSE04-205	**6158137810**	2-5/16"	
TSE04-206/60MM	**6158137820**	2-3/8"	60
TSE04-61MM	**6158137830**		61
TSE04-208	**6158137840**	2-1/2"	
TSE04-66MM	**6158137850**		66
TSE04-212/70MM	**6158137860**	2-3/4"	70
TSE04-215/75MM	**6158137870**	2-15/16"	75

Notes

TORQUE PUMPS



Electric Hydraulic Torque Pumps

ETQ SERIES



QUALITY CONTROL ANYWHERE. PERFORMANCE ANYTIME.

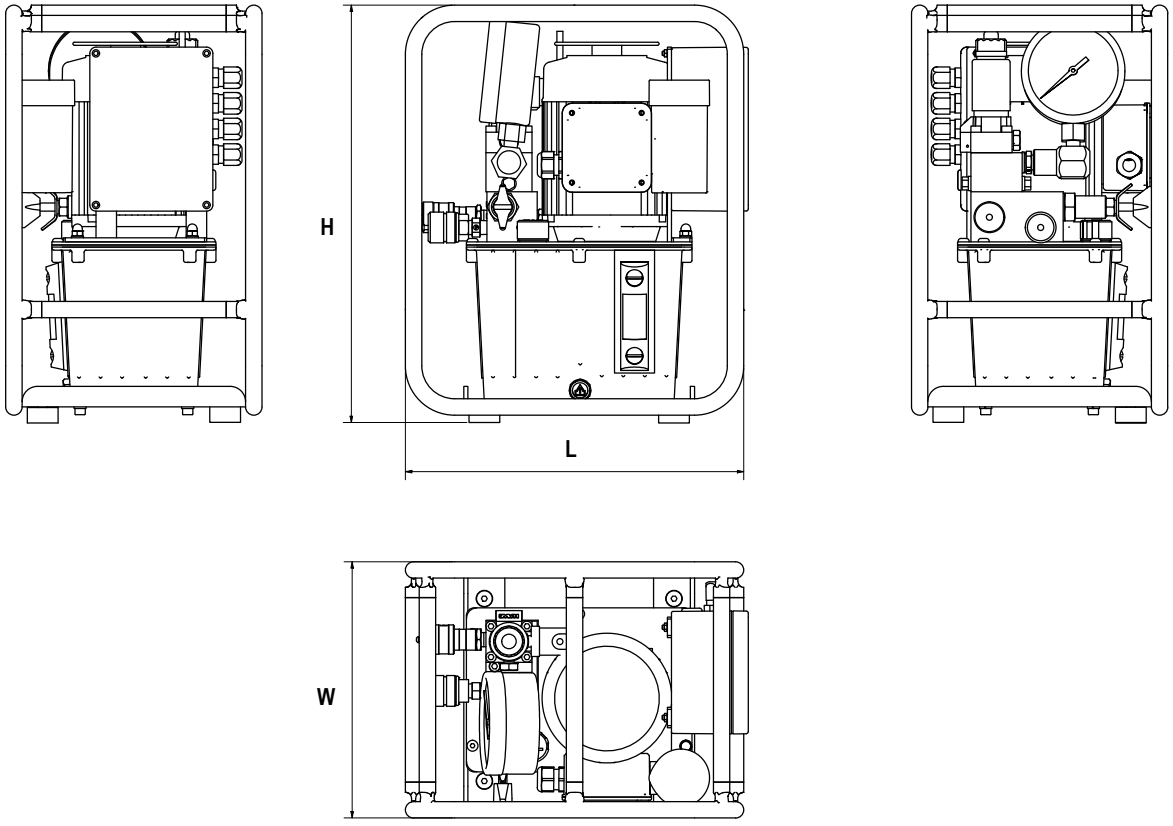
Built for the most demanding environments, CP's ETQ line of Electric Hydraulic Torque Pumps deliver reliable power and consistent performance. Powered by a rugged, high-efficiency induction motor, ETQ Torque Pumps are designed to handle inconsistent power and harsh weather with lower maintenance. A large fan and heat exchanger system keeps the oil cool after the three-phase pump delivers up to 700 bar (10,000 psi) of pressure. ETQ pumps are offered in two configurations; single twin-port manifold with Compact reservoir and four twin-port manifold with mid-size reservoir.



FEATURES AND BENEFITS

- Induction-style electric motor for increased reliability and reduced noise
- Excellent overload performance in case of "dirty" power
- Premium Hawe™ directional valve
- Pressure adjustment valve with mechanical lock
- Glycerin-filled 700 bar (10,000 psi) pressure gauge
- Large fan and heat exchanger system
- Easy-access electrical panel
- Single or 4-tool manifold options

Technical Data and Dimensions



See accessories page 87

MODEL	PART NUMBER	POWER TYPE	PLUG TYPE		POWER SPEC		CONTROL	TANK CAPACITY		MAX PRESSURE		FLOW CAPACITY @ 1,100 PSI		FLOW CAPACITY @ 3,200 PSI		FLOW CAPACITY @ 10,000 PSI	
					V	Hz		Gal	Liters	psi	bar	gal/min	l/min	gal/min	l/min	gal/min	l/min
ETQC-T1-N	**6151560310**	Electric	North America	Type B	120	50+60	Pendant	0.45	1.7	10,000	700	0.85	3.2	0.24	0.9	0.1	0.4
ETQC-T1-E	**6151560340**	Electric	European	Type C	240	50+60	Pendant	0.45	1.7	10,000	700	0.85	3.2	0.24	0.9	0.1	0.4
ETQM-T4-N	**6151560320**	Electric	North America	Type B	120	50+60	Pendant	1.06	4	10,000	700	1.7	6.5	0.48	1.8	0.2	0.7
ETQM-T4-E	**6151560350**	Electric	European	Type C	240	50+60	Pendant	1.06	4	10,000	700	1.7	6.5	0.48	1.8	0.2	0.7

MODEL	PART NUMBER	DIMENSIONS L x W x H		WEIGHT		OIL CAPACITY		INTERCOOLER SYSTEM	OIL FLOW @ 1250PSI/86BAR		OIL FLOW @ 3600PSI/250BAR		OIL FLOW @ 10,000PSI/700BAR		SOUND
		in	mm	lb	kg	Gal	Liters		cu.in	l/min	cu.in	l/min	cu.in	l/min	dB(a)
ETQC-T1-N	**6151560310**	13.1 x 9.8 x 16.1	333 x 250 x 410	42	19	0.45	1.7	No	195	3.2	54	0.9	21	0.35	82
ETQC-T1-E	**6151560340**	13.1 x 9.8 x 16.1	333 x 250 x 410	42	19	0.45	1.7	No	195	3.2	54	0.9	21	0.35	82
ETQM-T4-N	**6151560320**	17.5 x 12.4 x 16.7	445 x 316 x 425	62	28	1.05	4.0	Yes	391	6.4	110	1.8	42	0.7	82
ETQM-T4-E	**6151560350**	17.5 x 12.4 x 16.7	445 x 316 x 425	62	28	1.05	4.0	Yes	391	6.4	110	1.8	42	0.7	82

Visit CP Service here to find spare parts for your tool

Pneumatic Hydraulic Torque Pumps

ATQ SERIES

QUALITY CONTROL ANYWHERE. PERFORMANCE ANYTIME.

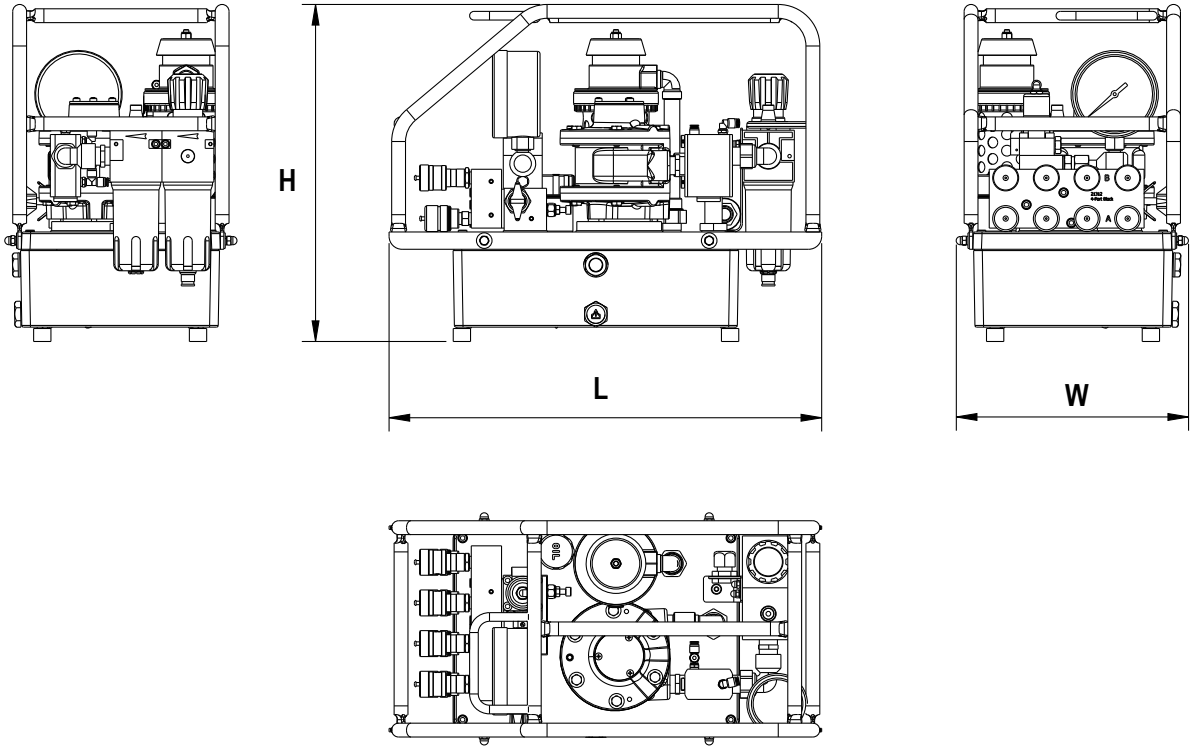
Built for demanding environments, CP's ATQ line of Pneumatic Hydraulic Torque Pumps deliver reliable power and consistent performance wherever electricity isn't available - or permitted. ATQ Pumps keep critical bolting jobs moving safely and efficiently using readily available compressed air. Rated for 700 bar (10,000 psi), the 3-phase pump is ready for a wide range of controlled bolting applications. ATQ pumps combine rugged construction, proven air-motor technology, and trusted CP quality to deliver consistent performance, productivity, and peace of mind - every time.



FEATURES AND BENEFITS

- Adjustable FRL to Filter, Regulate, and Lubricate air\
- Integrated Noise Supressor
- Pressure Dump at Pendant
- Premium Hawe™ directional valve
- Pressure adjustment valve with mechanical lock
- Glycerin-filled 700 bar (10,000 psi) pressure gauge
- Threaded, twin-port manifold connectors

Technical Data and Dimensions



See accessories page 87

MODEL	PART NUMBER	POWER TYPE	PLUG TYPE	POWER SPEC		CONTROL	TANK CAPACITY		MAX PRESSURE		FLOW CAPACITY @ 1,100 PSI		FLOW CAPACITY @ 3,200 PSI		FLOW CAPACITY @ 10,000 PSI	
				psi	bar		Gal	Liters	psi	bar	gal/min	l/min	gal/min	l/min	gal/min	l/min
ATQM-T4	**6151560330**	Pneumatic	N/A	72 - 145	5 - 10	Pendant	0.95	3.6	10,000	700	2.0	7.5	0.66	2.5	0.24	0.9

MODEL	PART NUMBER	DIMENSIONS L x W x H		WEIGHT		OIL CAPACITY		INTERCOOLER SYSTEM	OIL FLOW @ 675BAR		OIL FLOW @ 75-220BA		OIL FLOW @ UP TO 700BAR		SOUND
		in	mm	lb	kg	Gallons	Liters		cu.in	l/min	cu.in	l/min	cu.in	l/min	dB(a)
ATQM-T4	**6151560330**	19.6 x 10.6 x 15.3	500 x 270 x 390	62	28	0.95	3.6	-	456.75	7.5	152	2.5	54.8	0.9	82

Visit CP Service here to find spare parts for your tool

Notes

CPLinQ & CPLinQ PRO





CPLinQ

Keep control, guarantee quality

- CPLinQ is our free application that works for all CP86 series and CP89 tools. Dedicated to managers looking for control processes, quality in the field and improve productivity.
- This software solution enables precise settings to be integrated into the CPLinQ app to guide operators using **CP86 series Battery torque wrench** and **CP89 series eTorque Wrench.** CPLinQ also provides access to data reports and task management.
- It's a first step to help you to:
  - Control processes in each workshop
  - Decrease errors and rework
  - Improve efficiency
- How to use it? Youtube video:



Ensure the quality of bolt tightening
Torue management for advanced bolt tightening and loosening with access to the P-Set library.

Extend tool life
Provide support with tool status management, operational alerts, and a maintenance schedule.

Check your tightening results
Access bolt tightening report data results.

Find and look your tool
Secure and protect your work environment by locking your tools with the app.

Download CPLinQ now:

on Google Play | on Apple Store | as APK File

CPLinQ PRO

Heavy Truck & Bus

A SOFTWARE THAT TRANSFORMS YOUR SERVICE CONTROL

CPLinQ PRO for Heavy Truck and Bus, the software that will help you transform your service shop with deeper data management and streamlined oversight of multi-site vehicle fleets.

OPTIMIZE YOUR FLEET'S PERFORMANCE AND SAFETY!

The **CP8609 eBlueTork tool,** combined with CPLinQ PRO HTB software, provides preset torque values and detailed data reporting, ensuring complete traceability during maintenance and torque verification processes.
With our tool failure analysis, we can identify and rectify any issues promptly, minimizing downtime and maximizing productivity. Regular preventive maintenance checks are also included in the package, allowing us to catch potential problems before they escalate, keeping your tool in prime condition. Benefit from tool failure analysis, preventive maintenance, budget control, calibration, and tool loan services. Our expert technicians prioritize proper tool usage and regular inspections to ensure optimal results.

With CPLinQ PRO HTB, you will:

- Standardize your processes
- Streamline technician tasks to simplify their work
- Control all operations to reduce errors
- Eliminate redundant tasks for greater efficiency

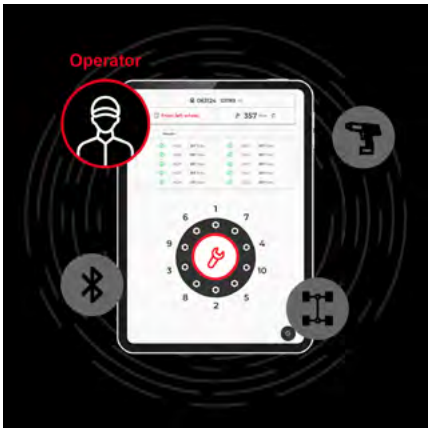
GET THE JOB DONE IN THREE STEPS

1. Job preparation
Do the right job



Configure and integrate all your fleet settings for each vehicle into your Info Hub database. Instructions will be sent to the operator.

2. Job execution
Do the right job



Operators connect the eBlue Tork tool to the CPLinQ PRO HTB app and follow step-by-step instructions directly on the device.

3. Job completion
Job done right



Analyze the fleet's data to check your vehicles and identify next steps or corrective maintenance.

The software to enhance your fleet's process control

Safety first
Let's secure all your vehicle fleets! Forget the worry of wheel detachment or loss of vehicle control thanks to process automation that meticulously configures each vehicle's settings.

Data-driven traceability
Let's capture precisely every tightening process on every nut of every wheel, across your shop and even third-party or roadsides support, to ensure compliance.

Optimized efficiency
Let's improve your productivity by standardizing processes, guiding operators through error-proof workflows, while enhancing shop efficiency and saving time.

SERVICE by Chicago Pneumatic

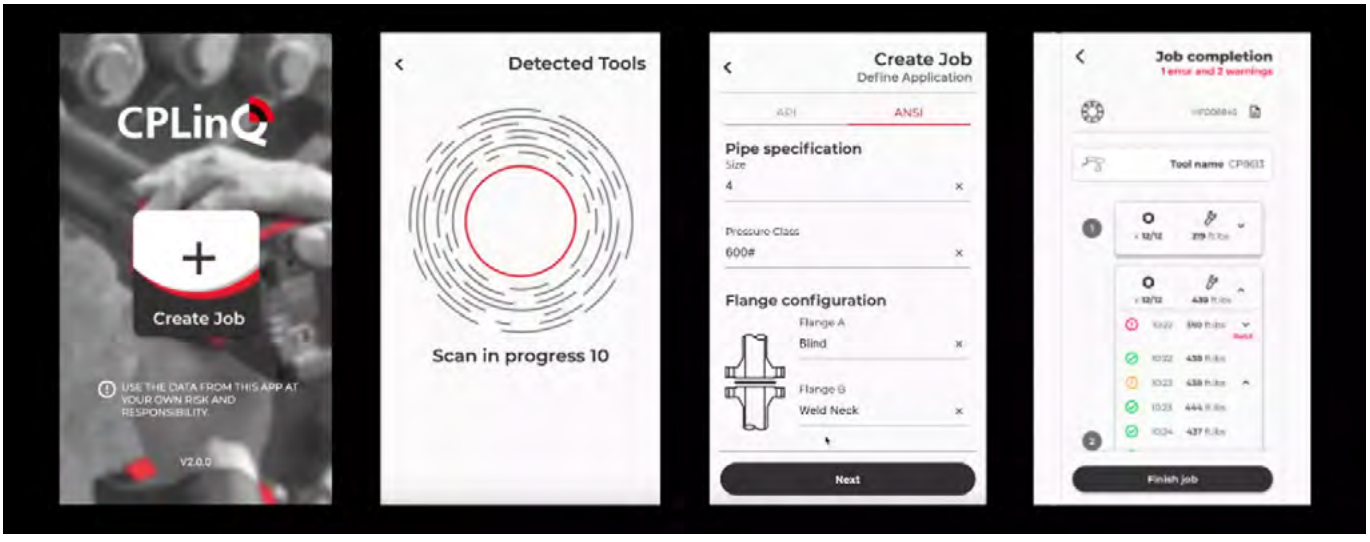
CPLinQ Flange configurator

Oil & Gas Industry

- Application that offers a dedicated flange configurator for the Oil and Gas industry, ensuring precise and compliant flange bolting to help prevent costly pipeline leaks.
  - During maintenance, the CPLinQ Flange Configurator guides operators step by step, from selecting the task and P-set to applying the correct tightening pattern*.
  - The software automatically calculates the exact torque required for each bolt in accordance with ANSI and API standards.
  - Try the CPLinQ Flange Configurator today and experience safer operations, greater efficiency, and reduced downtime:

CPLinQ Flange Configurator Google Play

CPLinQ Flange Configurator App Store



DISCOVER THE CPLINQ FLANGE CONFIGURATOR

CPLinQ Flange configurator is designed for the oil and gas industry and compatible with CP86 cordless torque wrench only. This version integrates ANSI and API flange standards and calculates the recommended bolt load and corresponding torque.

** The CPLinQ Flange Configurator app provides guidance only; users are responsible for all decisions and outcomes based on its use.*

ACCESSORIES



Accessories

Backup Wrenches



Backup wrenches drastically improve safety by eliminating the need for hammer wrenches and spanners.

MODEL	PART NUMBER	SIZE/DIMENSION
		in / mm
BW-314	**6158138310**	3-7/8"
BW-011	**6158137990**	11/16"
BW-34MM	**6158138320**	34mm
BW-012	**6158138000**	3/4"
BW-36MM	**6158138330**	36mm
BW-014	**6158138010**	7/8"
BW-404	**6158138340**	4-1/4"
BW-015	**6158138020**	15/16"
BW-410	**6158138350**	4-5/8"
BW-100MM	**6158138030**	100mm
BW-43MM	**6158138360**	43mm
BW-55MM	**6158138370**	55mm
BW-101	**6158138040**	1-1/16"
BW-70MM	**6158138380**	70mm
BW-102	**6158138050**	1-1/8"
BW-75MM	**6158138390**	75mm
BW-104/32MM	**6158138060**	1-1/4"
BW-85MM	**6158138400**	85mm
BW-105	**6158138070**	1-5/16"
BW-105MM	**6158138080**	105mm
BW-107	**6158138090**	1-7/16"
BW-108	**6158138100**	1-1/2"
BW-110	**6158138110**	1-5/8"
BW-110MM	**6158138120**	110mm
BW-111	**6158138130**	1-11/16"
BW-112	**6158138140**	1-3/4"
BW-113	**6158138150**	1-13/16"
BW-114	**6158138160**	1-7/8"
BW-120MM	**6158138170**	120mm
BW-200	**6158138180**	2"
BW-202	**6158138190**	2-1/8"
BW-206	**6158138220**	2-3/8"
BW-209	**6158138230**	2-9/16"
BW-212	**6158138240**	2-3/4"
BW-215	**6158138250**	2-15/16"
BW-24MM	**6158138260**	24mm
BW-302	**6158138270**	3-1/8"
BW-302/80MM	**6158138280**	3-1/8"
BW-308/90MM	**6158138290**	3-1/2"
BW-30MM	**6158138300**	30mm

Backup Wrenches

T-SCREW OPERATION

- Easily remove by twisting the top screw.
- No hammers needed

HIGH STRENGTH AXIS

- Adjustable reaction, heat treated for durability

THIN PROFILE

- Adjusts to any application



12 POINT

- The backup wrench fits standard and 12 point nuts.

ALLOY STEEL CONSTRUCTION

- High quality material avoids tool failure

Backup wrench works in conjunction with any of our bolting tools and safely prevents the nut from rotating.

HOW DO I SELECT THE BACKUP WRENCH THE FOLLOWING PAGES?

In this catalog, sizes are expressed as MM for metric while imperial have a 3 digit designation. How can you tell the sizes?

206 → **2"06/16"** → **2"3/8"**

inch
fraction of 1/16”

206 represents 2-6/16”

2-6/16” with the smallest denomanitor is 3-3/8”

First number indicates inch, and the following two numbers indicate an increment of 1/16”. For example 2-206 would be a backup wrench a with a 3/4” drive and an across flat of 2-6/16”, which in turn is the same as 2-3/8”.



CUSTOM REACTION ARM
Engineered for Your Application

Chicago Pneumatic offers a Custom Reaction Arm Design Service for the CP86 cordless, CP66 pneumatic and hydraulic torque wrench ranges, helping customers tackle tightening applications where standard accessories are not suitable.

Whether working in rail, mining, heavy equipment, or other demanding environments, some applications require a dedicated reaction solution to ensure safe, accurate, and efficient bolting operations. Our engineering team can design a reaction arm specifically adapted to your assembly, geometry, and working conditions.

KEY BENEFITS

- **Work Faster –** Get the job done more efficiently with a solution designed for your application.
- **Tighten with Confidence –** Ensure accurate torque application thanks to a properly engineered reaction point.
- **Work Safer –** Improve operator ergonomics and reduce risks during bolting operations.

A FLEXIBLE ENGINEERING SERVICE

From design support to complete manufacturing, Chicago Pneumatic can adapt the project to your needs.For additional peace of mind, 3D-printed prototypes can be provided upon request to validate the design before production.

YOUR APPLICATION IS UNIQUE. YOUR REACTION ARM SHOULD BE TOO.

Impact & torque wrenches accessories

IMPACT SOCKETS

SET - 1/4 SQUARE DRIVE IMPACT SOCKETS



MODEL	PART NUMBER	TYPE	NO. OF PIECES	DIMENSIONS MM
METRIC (mm)				
SS2114	**8940164436**	STANDARD	14	4 - 4,5 - 5 - 5,5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15
SS2114D	**8940164437**	DEEP	12	4 - 4,5 - 5 - 5,5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15

SET - 3/8" SQUARE DRIVE IMPACT SOCKETS



MODEL	PART NUMBER	TYPE	NO. OF PIECES	DIMENSIONS MM
METRIC (mm)				
SS3113	**8940164446**	STANDARD	13	7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19

SET - 1/2" SQUARE DRIVE IMPACT SOCKETS





MODEL	PART NUMBER	TYPE	NO. OF PIECES	DIMENSIONS MM
METRIC (mm)				
SS4114	**8940164458**	STANDARD	14	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 26, 27
SS4114D	**8940164459**	DEEP	14	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 26, 27

SET - 3/4" SQUARE DRIVE IMPACT SOCKETS



MODEL	PART NUMBER	TYPE	NO. OF PIECES	DIMENSIONS MM
METRIC (mm)				
SS618	**8940164472**	STANDARD	8	26, 27, 29, 30, 32, 35, 36, 38
SS618D	**8940164473**	DEEP	8	26, 27, 29, 30, 32, 35, 36, 38

Impact & torque wrenches accessories

SET - 1" SQUARE DRIVE IMPACT SOCKETS



MODEL	PART NUMBER	TYPE	NO. OF PIECES	DIMENSIONS MM
METRIC (mm)				
SS818	**8940164476**	STANDARD	8	27, 30, 32, 33, 35, 36, 38, 41
SS818D	**8940164477**	DEEP	8	27, 30, 32, 33, 35, 36, 38, 41
SS814D	**8940166016**	DEEP	4	27, 32, 33, 36

3/8" IMPACT SOCKETS - SINGLE PIECES



MODEL	PART NUMBER	TYPE	DIMENSIONS	DESCRIPTION
S313M	**8940163791**	STANDARD	13 mm	3/8" DR. STD IMPACT SOCKET 13MM
S313MD	**8940163819**	DEEP	13 mm	3/8" DR. DEEP IMPACT SOCKET 13MM

1/2" IMPACT SOCKETS - SINGLE PIECES





MODEL	PART NUMBER	TYPE	DIMENSIONS	DESCRIPTION
MERTIC (mm)				
S413M	**8940163955**	STANDARD	13 mm	1/2" DR. STD IMPACT SOCKET 13MM
S414M	**8940163956**	STANDARD	14 mm	1/2" DR. STD IMPACT SOCKET 14MM
S415M	**8940163957**	STANDARD	15 mm	1/2" DR. STD IMPACT SOCKET 15MM
S417M	**8940163959**	STANDARD	17 mm	1/2" DR. STD IMPACT SOCKET 17MM
S418M	**8940163960**	STANDARD	18 mm	1/2" DR. STD IMPACT SOCKET 18MM
S419M	**8940163961**	STANDARD	19 mm	1/2" DR. STD IMPACT SOCKET 19MM
S420M	**8940163962**	STANDARD	20 mm	1/2" DR. STD IMPACT SOCKET 20MM
S421M	**8940163963**	STANDARD	21 mm	1/2" DR. STD IMPACT SOCKET 21MM
S422M	**8940163964**	STANDARD	22 mm	1/2" DR. STD IMPACT SOCKET 22MM
S424M	**8940163966**	STANDARD	24 mm	1/2" DR. STD IMPACT SOCKET 24MM
S427M	**8940163969**	STANDARD	27 mm	1/2" DR. STD IMPACT SOCKET 27MM
S430M	**8940163972**	STANDARD	30 mm	1/2" DR. STD IMPACT SOCKET 30MM
S432M	**8940163974**	STANDARD	32 mm	1/2" DR. STD IMPACT SOCKET 32MM
S413MD	**8940164003**	DEEP	13 mm	1/2" DR. DEEP IMPACT SOCKET 13MM
S414MD	**8940164004**	DEEP	14 mm	1/2" DR. DEEP IMPACT SOCKET 14MM
S415MD	**8940164005**	DEEP	15 mm	1/2" DR. DEEP IMPACT SOCKET 15MM
S416MD	**8940164006**	DEEP	17 mm	1/2" DR. DEEP IMPACT SOCKET 16MM
S417MD	**8940164007**	DEEP	18 mm	1/2" DR. DEEP IMPACT SOCKET 17MM
S418MD	**8940164008**	DEEP	19 mm	1/2" DR. DEEP IMPACT SOCKET 18MM
S419MD	**8940164009**	DEEP	20 mm	1/2" DR. DEEP IMPACT SOCKET 19MM
S421MD	**8940164010**	DEEP	21 mm	1/2" DR. DEEP IMPACT SOCKET 21MM
S426MD	**8940164011**	DEEP	22 mm	1/2" DR. DEEP IMPACT SOCKET 26MM
5427MD	**8940164012**	DEEP	24 mm	1/2" DR. DEEP IMPACT SOCKET 27MM
S430MD	**8940164015**	DEEP	30 mm	1/2" DR. DEEP IMPACT SOCKET 30MM

Impact & torque wrenches accessories

3/4" IMPACT SOCKETS - SINGLE PIECES







MODEL	PART NUMBER	TYPE	DIMENSIONS	DESCRIPTION
METRIC (mm)				
S621M	**8940164182**	STANDARD	21 mm	3/4" DR. STD IMPACT SOCKET 21MM
S622M	**8940164183**	STANDARD	22 mm	3/4" DR. STD IMPACT SOCKET 22MM
S624M	**8940164185**	STANDARD	24 mm	3/4" DR. STD IMPACT SOCKET 24MM
S627M	**8940164188**	STANDARD	27 mm	3/4" DR. STD IMPACT SOCKET 27MM
S630M	**8940164191**	STANDARD	30 mm	3/4" DR. STD IMPACT SOCKET 30MM
S632M	**8940164193**	STANDARD	32 mm	3/4" DR. STD IMPACT SOCKET 32MM
S636M	**8940164197**	STANDARD	36 mm	3/4" DR. STD IMPACT SOCKET 36MM
S641M	**8940164201**	STANDARD	41 mm	3/4" DR. STD IMPACT SOCKET 41MM
S642M	**8940164202**	STANDARD	42 mm	3/4" DR. STD IMPACT SOCKET 42MM
S646M	**8940164205**	STANDARD	46 mm	3/4" DR. STD IMPACT SOCKET 46MM
S619MD	**8940164248**	DEEP	19 mm	3/4" DR. DEEP IMPACT SOCKET 19MM
S621MD	**8940164250**	DEEP	21 mm	3/4" DR. DEEP IMPACT SOCKET 21MM
S622MD	**8940164251**	DEEP	22 mm	3/4" DR. DEEP IMPACT SOCKET 22MM
S624MD	**8940164253**	DEEP	24 mm	3/4" DR. DEEP IMPACT SOCKET 24MM
S627MD	**8940164256**	DEEP	27 mm	3/4" DR. DEEP IMPACT SOCKET 27MM
S630MD	**8940164259**	DEEP	30 mm	3/4" DR. DEEP IMPACT SOCKET 30MM
S632MD	**8940164261**	DEEP	32 mm	3/4" DR. DEEP IMPACT SOCKET 32MM
S633MD	**8940164262**	DEEP	33 mm	3/4" DR. DEEP IMPACT SOCKET 33MM
S636MD	**8940164265**	DEEP	36 mm	3/4" DR. DEEP IMPACT SOCKET 36MM
S641MD	**8940164269**	DEEP	41 mm	3/4" DR. DEEP IMPACT SOCKET 41MM
SAE (in)				
S628	**8940164159**	STANDARD	1-3/4"	3/4" DR. STD IMPACT SOCKET 1-3/4"
S630	**8940164161**	STANDARD	1-7/8"	3/4" DR. STD IMPACT SOCKET 1-7/8"
S636	**8940164167**	STANDARD	2-1/4'	3/4" DR. STD IMPACT SOCKET 2-1/4'
S645	**8940164176**	STANDARD	2-13/16"	3/4" DR. STD IMPACT SOCKET 2-13/16"
S647	**8940164178**	STANDARD	2-15/16"	3/4" DR. STD IMPACT SOCKET 2-15/16"
S618D	**8940164217**	DEEP	1-1/8"	3/4" DR. DEEP IMPACT SOCKET 1-1/8"
S620D	**8940164219**	DEEP	1-1/4'	3/4" DR. DEEP IMPACT SOCKET 1-1/4'
S624D	**8940164223**	DEEP	1-1/2"	3/4" DR. DEEP IMPACT SOCKET 1-1/2"
S630D	**8940164229**	DEEP	1-7/8"	3/4" DR. DEEP IMPACT SOCKET 1-7/8"
S644D	**8940164243**	DEEP	2-3/4"	3/4" DR. DEEP IMPACT SOCKET 2-3/4"



TUNE-UP KITS & REPAIR KITS

TOOL'S MODEL	TUNE UP KIT PART NUMBER	REPAIR KIT PART NUMBER
CP061 series	**2050563213**	
CP6060-P15H	**2050560073**	
CP6060-P15R	**2050560073**	
CP6130-T70	**8940171028**	
CP6135-D80	**6153982790**	
CP6240-T120	**8940171046**	
CP6300RSR	**C157304**	
CP721	**CA118880**	
CP7731C	**8940173823**	
CP8222-P		
CP8222-R		
CP8232-QC		
CP6728-P05R	**6153989140**	
CP8242-R		
CP8242-P		
CP8252-R		
CP8252-P		

TOOL'S MODEL	TUNE UP KIT PART NUMBER	REPAIR KIT PART NUMBER
CP9541	**C137164**	**C137478**
CP9542	**C137164**	**C137165**
CP8854 BARE TOOL		
CP8854 Kit 18V		
CP6500-RS	**8940158638**	
CP6500-RSR	**8940158638**	
CP6738-P05R	**6153989140**	
CP6748EX-P11R ATEX	**2050562663**	
CP8272-P	**2050557343**	
CP8272-D	**2050557343**	
CP9561	**C137569**	**CA157719**
CP6763	**8940171687**	
CP6763-D18D	**8940173716**	
CP6060-P15H	**2050560073**	
CP6768EX-P18D ATEX		
CP6773	**8940171687**	
CP6910-P24	**2050560693**	

TOOL'S MODEL	TUNE UP KIT PART NUMBER	REPAIR KIT PART NUMBER
CP6778EX-P18D ATEX	**6153989420**	
CP6070-P15H	**2050560073**	
CP0611P RS	**2050563213**	
CP6773-D18D	**8940173716**	
CP6920-D24	**2050560713**	
CP0611-D28H	**2050563213**	
CP0611P-RLS	**2050563213**	
CP0611-D28L	**2050563213**	
CP6120-D35L	**6153990710**	
CP6930-D35	**2050560813**	
CP6120-D35H	**6153990710**	
CP6135-D80	**6153982790**	
CP6240-T120	**8940171046**	

Impact & torque wrenches accessories







1" IMPACT SOCKETS - SINGLE PIECES

MODEL	PART NUMBER	TYPE	DIMENSIONS	DESCRIPTION
METRIC (mm)				
S830M	**8940164333**	STANDARD	30 mm	1" DR. STD IMPACT SOCKET 30MM
S832M	**8940164334**	STANDARD	32 mm	1" DR. STD IMPACT SOCKET 32MM
S833M	**8940164335**	STANDARD	33 mm	1" DR. STD IMPACT SOCKET 33MM
S836M	**8940164337**	STANDARD	36 mm	1" DR. STD IMPACT SOCKET 36MM
S838M	**8940164338**	STANDARD	38 mm	1" DR. STD IMPACT SOCKET 38MM
S841M	**8940164340**	STANDARD	41 mm	1" DR. STD IMPACT SOCKET 41MM
S846M	**8940164345**	STANDARD	46 mm	1" DR. STD IMPACT SOCKET 46MM
S824MD	**8940164407**	DEEP	24 mm	1" DR. DEEP IMPACT SOCKET 24MM
S827MD	**8940164410**	DEEP	27 mm	1" DR. DEEP IMPACT SOCKET 27MM
S830MD	**8940164413**	DEEP	30 mm	1" DR. DEEP IMPACT SOCKET 30MM
S832MD	**8940164414**	DEEP	32 mm	1" DR. DEEP IMPACT SOCKET 32MM
S833MD	**8940164415**	DEEP	33 mm	1" DR. DEEP IMPACT SOCKET 33MM
S836MD	**8940164418**	DEEP	36 mm	1" DR. DEEP IMPACT SOCKET 36MM
S838MD	**8940164419**	DEEP	38 mm	1" DR. DEEP IMPACT SOCKET 38MM
S841MD	**8940164421**	DEEP	41 mm	1" DR. DEEP IMPACT SOCKET 41MM
S846MD	**8940164426**	DEEP	46 mm	1" DR. DEEP IMPACT SOCKET 46MM
SAE (in)				
S824D	**8940164367**	DEEP	1-1/2"	1" DR. DEEP IMPACT SOCKET



1-1/2" IMPACT SOCKETS - SINGLE PIECES

MODEL	PART NUMBER	TYPE	DIMENSIONS	DESCRIPTION
METRIC (mm)				
S1055M	**8940169351**	STANDARD	55 mm	1-1/2" DR STD IMPACT SOCKET 55MM
S1065M	**8940169353**	STANDARD	65 mm	1-1/2" DR STD IMPACT SOCKET 65MM
S1075M	**8940169355**	STANDARD	75 mm	1-1/2" DR STD IMPACT SOCKET 75MM
S1080M	**8940169356**	STANDARD	80 mm	1-1/2" DR STD IMPACT SOCKET 80MM
S1085M	**8940169357**	STANDARD	85 mm	1-1/2" DR STD IMPACT SOCKET 85MM
S1090M	**8940169358**	STANDARD	90 mm	1-1/2" DR STD IMPACT SOCKET 90MM

Impact & torque wrenches accessories



1" SURFACE DRIVE SOCKETS - LONG VERSION - SINGLE PIECES

MODEL	PART NUMBER	DESCRIPTION	TYPE	DIMENSIONS
SD30	**8940177797**	Socket-SQ1"-L108-SD30	SURFACE DRIVE	30mm
SD32	**8940177798**	Socket-SQ1"-L108-SD32	SURFACE DRIVE	32mm
SD33	**8940177799**	Socket-SQ1"-L108-SD33	SURFACE DRIVE	33mm
	8940177800	Retainer ring		

EXTENSION BARS



MODEL	PART NUMBER	TYPE	DIMENSIONS
METRIC (mm)			
E87 1" DR 7" EXTENSION BAR	**8940166012**	1"	2-1/8
E810 1" DR 10" EXTENSION BAR	**8940166013**	1"	2-1/8"
E813 1" DR 13" EXTENSION BAR	**8940166014**	1"	2-1/8"
J8U 1" DR UNIVERSAL JOINT w/Pin hole	**8940166015**	1"	2-5/16



MODEL	PART NUMBER	SQUARE DRIVE SIZE	CONNECTION SIZE (TO A SOCKET)	CONNECTION GENDER
A406 1/2 DR X 3/8" MALE ADAPTER	**8940165992**	1/2	3/8	Male
A4012 1/2 DR X 3/4" MALE ADAPTER	**8940165993**	1/2	3/4	Male
A608 3/4 DR X 1/2" MALE ADAPTER	**8940166001**	3/4	1/2	Male
A616 3/4 DR X 1" MALE ADAPTER	**8940166002**	3/4	1	Male
A812 1" DR X 3/4" MALE ADAPTER	**8940166009**	1	3/4	Male

Standard Reaction Arms

CP66-CP86-CP76 - RECOMMENDED ACCESSORIES

S TYPE REACTION ARM



PART NUMBER	MODEL
6158136285	CP8603
6158136835	CP8609
6158131800	CP8613/CP6613
6158131810	CP8626/CP6626
6158131820	CP8641/CP6641
6158135251	CP8681

SQUARE BRAKET



PART NUMBER	MODEL
6158136325	CP8603
6158136855	CP8609
6158131890	CP8613/CP6613
6158131900	CP8626/CP6626
6158131910	CP8641/CP6641
6158135281	CP8681

SLIDING DRIVE



PART NUMBER	MODEL
6158136305	CP8603
6158136865 & 6158136875 (extended)	CP8609
6158131860	CP8613/CP6613
6158131870	CP8626/CP6626
6158131880	CP8641/CP6641
6158135271	CP8681

STEELSPACE BAR



PART NUMBER	MODEL
6158136335	CP8603
6158136845	CP8609
6158131830	CP8613/CP6613
6158131840	CP8626/CP6626
6158131850	CP8641/CP6641
6158135261	CP8681

	 **Fish arm Based Kit**	 **Fish arm + Shoe Kit**	 **Long shaft 760 mm**	 **Nose extension 300 mm**	 **Nose extension 480 mm**	 **Adaptor Kit CPxx41 to CPxx26**
COMPATIBLE MODEL	PART NUMBER					
CP8613/CP6613				**6151780970**		
CP8626/CP6626	**6151800560**	**6151800550**	**6155012750**	**6151780980**	**6151780990**	**6151800570**
CP8641/CP6641	**6151800560**	**6151800550**	**6155012750**			

If our standard offer of reaction arms does not meet your specific needs, our engineering team can design custom reaction arms fully adapted to your application. Please refer to section “1.4 Custom reaction arm process (CP86, CP66, Hydraulics)” or contact your CP partner for more details.

Balancers

BALANCERS - CP9911 TO CP9950

The CP balancers are premium quality products developed to take the weight of the tool away from the operator's arm. They eliminate stress and fatigue and help improve productivity. Ideally suited for heavy tools and/or repetitive tasks.

Spring retractor:

- Cylindrical shape
- Automatic load retraction
- Working area remains free
- Cable made of stainless steel
- Aluminium housing
- 5.2 to 8.2 ft (1,600 to 2,500 mm) cable stroke

CP9936



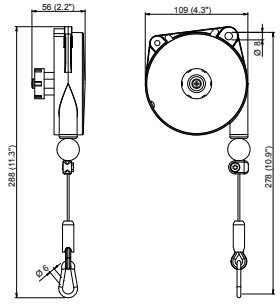
CP9920



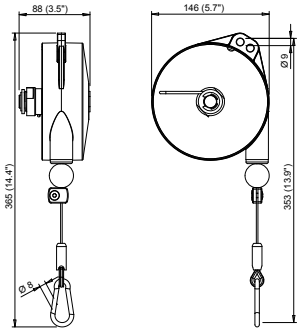
CP9911



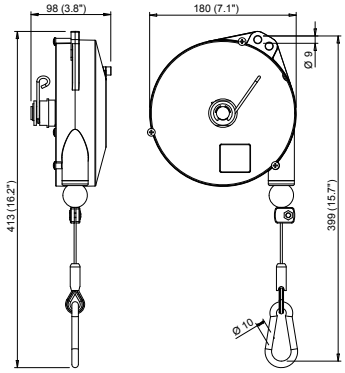
CP9911 to CP9913



CP9920 to CP9923



CP9936 to CP9950



MODEL	PART NUMBER	LOAD RANGE		STROKE		NET WEIGHT	
		lb.	kg	ft	mm	lb.	kg
Light duty balancers							
CP9911	8941099110	0.8-2.2	0.4-1.0	5.2	1,600	1.3	0.6
CP9912	8941099120	2.2-4.4	1.0-2.0	5.2	1,600	1.3	0.6
CP9913	8941099130	4.4-6.6	2.0-3.0	5.2	1,600	1.5	0.7
Medium duty balancers							
CP9920	8941099200	2.2-5.5	1.0-2.5	6.5	2,000	4.4	2.0
CP9921	8941099210	4.4-8.8	2.0-4.0	6.5	2,000	4.4	2.0
CP9922	8941099220	8.8-13.2	4.0-6.0	6.5	2,000	5.1	2.3
CP9923	8941099230	13.2-17.6	6.0-8.0	6.5	2,000	2.5	5.5
Medium duty balancers							
CP9936	8941099360	4.4-8.8	2.0-4.0	8.2	2,500	6.4	2.9
CP9937	8941099370	8.8-13.2	4.0-6.0	8.2	2,500	7.1	3.2
CP9938	8941099380	13.2-17.6	6.0-8.0	8.2	2,500	7.7	3.5
CP9939	8941099390	17.6-22.0	8.0-10	8.2	2,500	8.2	3.7
CP9940	8941099400	22.0-30.8	10-14	8.2	2,500	8.8	4.0
CP9946*	8941099460	4.4-8.8	2.0-4.0	8.2	2,500	6.6	3.0
CP9947*	8941099470	8.8-13.2	4.0-6.0	8.2	2,500	7.3	3.3
CP9948*	8941099480	13.2-17.6	6.0-8.0	8.2	2,500	7.9	3.6
CP9949*	8941099490	17.6-22.0	8.0-10	8.2	2,500	8.4	3.8
CP9950*	8941099500	22.0-30.8	10-14	8.2	2,500	8.8	4.0

** Equipped with a stroke locking device*

Balancers

BALANCERS - CP9954 TO CP9971

Reaction free:
- Conical shape
- Constant retracting force
- Holds the selected height
- Cable made of stainless steel
- Aluminium housing
- 6.5 ft (2,000 mm) cable stroke

CP9970



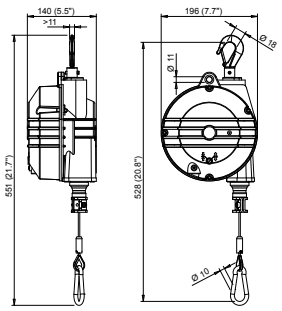
CP9964



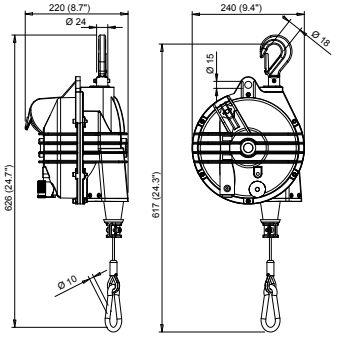
CP9954



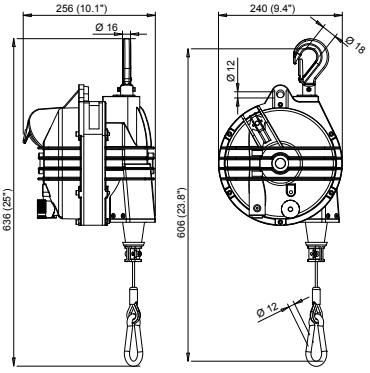
CP9954 to CP9959



CP9964 to CP9969



CP9970 - CP9971



MODEL	PART NUMBER	LOAD RANGE		STROKE		NET WEIGHT	
		lb.	kg	ft	mm	lb.	kg
Medium duty to heavy duty balancers							
CP9954	8941099540	8.8-15.4	4.0-7.0	6.5	2,000	11.0	5.0
CP9955	8941099550	15.4-22	7.0-10	6.5	2,000	12.1	5.5
CP9956	8941099560	22-30.9	10-14	6.5	2,000	12.1	5.5
CP9957	8941099570	31-39.7	14-18	6.5	2,000	14.3	6.5
CP9958	8941099580	39.7-48.5	18-22	6.5	2,000	13.2	6.0
CP9959	8941099590	48.5-55	22-25	6.5	2,000	14.6	6.6
Heavy duty balancers							
CP9964	8941099640	55-66	25-30	6.5	2,000	25.4	11.5
CP9965	8941099650	66-77	30-35	6.5	2,000	26.0	11.8
CP9966	8941099660	77-99	35-45	6.5	2,000	27.3	12.4
CP9967	8941099670	99-121	45-55	6.5	2,000	27.6	12.5
CP9968	8941099680	121-143	55-75	6.5	2,000	30.0	13.6
CP9969	8941099690	143-165	65-75	6.5	2,000	32.0	14.5
Super heavy duty balancers							
CP9970	8941099700	165-198	75-90	6.5	2,000	38.1	17.3
CP9971	8941099710	198-231	90-105	6.5	2,000	39.7	18.0

Air Line Network

- **Chicago Pneumatic FRL – Filters, Regulators and Lubricators - units enable your tools to run at optimal performance, hence reducing downtime and increasing productivity.**
- **Simple to install on the air line with connection thread from ½" to 1", the solution can be adapted to customer's needs by choosing the proper modules, Regulator, lubricator, filter or filter-regulator. The automatic oil refilling system help to simplify the maintenance of the installation.**
- **Using Chicago Pneumatic FRL is a first step in the reduction of CO2 emission. The diaphragm type pressure valve limit pressure drop even with a high air flow.**





FILTER-REGULATOR LUBRICATOR WITH PRESSURE GAUGE (0-150PSI - 0-10 BAR)	THREAD	MAX. AIR FLOW		MAX. PRESSURE		OIL CAPACITY		FILTER	PART NUMBER	
	in.	cfm	l/s	psi	bar	oz	ml		BSP	NPT
COMPOSITE FRL 2 STAGES, SEMI AUTOMATIC DRAIN, AUTOMATIC OIL FIL-IN	1/2"	125	59	232	16	2.7	80	5 micron	**6158135640**	*coming soon*
COMPOSITE FRL 2 STAGES, AUTOMATIC DRAIN, AUTOMATIC OIL FIL-IN	3/4"	284	134	246	17	6	180	5 micron	**6158135650**	*coming soon*
COMPOSITE FRL 2 STAGES, AUTOMATIC DRAIN, AUTOMATIC OIL FIL-IN	1"	284	134	246	17	6	180	5 micron	**6158135660**	*coming soon*



FILTER UNIT	THREAD	PART NUMBER	
	in.	BSP	NPT
FILTER 1/2" BSP	1/2"	**6154501115**	*coming soon*
FILTER 1" BSP	1"	**6154501155**	*coming soon*



FILTER UNIT	THREAD	PART NUMBER	
	in.	BSP	NPT
LUBRICATOR 1/2" BSP	1/2"	**6154501135**	*coming soon*
LUBRICATOR 1" BSP	1"	**6154501175**	*coming soon*

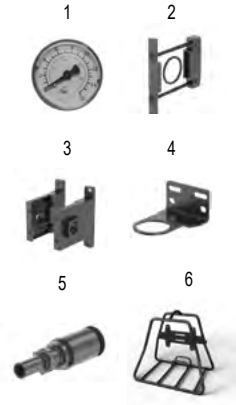


FILTER UNIT	THREAD	PART NUMBER	
	in.	BSP	NPT
REGULATOR 1/2" BSP	1/2"	**6154501125**	*coming soon*
REGULATOR 1" BSP	1"	**6154501155**	*coming soon*



FILTER UNIT	THREAD	PART NUMBER	
	in.	BSP	NPT
FILTER-REGULATOR 1/2" BSP	1/2"	**6154501105**	*coming soon*
FILTER-REGULATOR 3/4" BSP	3/4"	**6154501105**	*coming soon*
FILTER-REGULATOR 1" BSP	1"	**6154501145**	*coming soon*

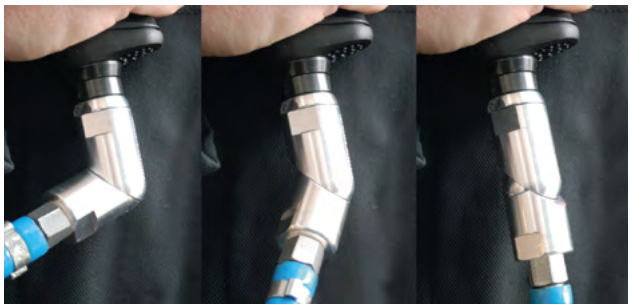
ACCESSOIRES FRL



ITEM	ACCESSORY'S DESCRIPTION	MAINTENANCE KIT
1	Pressure Gauge	**6154500925**
2	Coupling kit for 1/2" FRL (to connect modules of FRL to each other)	**6154500945**
2	Coupling kit for 3/4" & 1" FRL (to connect modules of FRL to each other)	**6154500955**
3	Wall Coupling kit (set of 2) for 1/2" FRL (to fix FRL to stand or other support)	**6154500965**
3	Wall Coupling kit (set of 2) for 3/4" FRL (to fix FRL to stand or other support)	**6154500975**
3	wall Coupling Kit (set of 2) for 1" FRL (to fix FRL to stand or other support)	**6154501005**
4	Bracket kit for 1/2" FRL	**6154500985**
5	Automatic drain	**6154500935**
6	FRL stand	**6158136030**

Air Line Network

THE FLEXIBILITY OF AIR FLEX



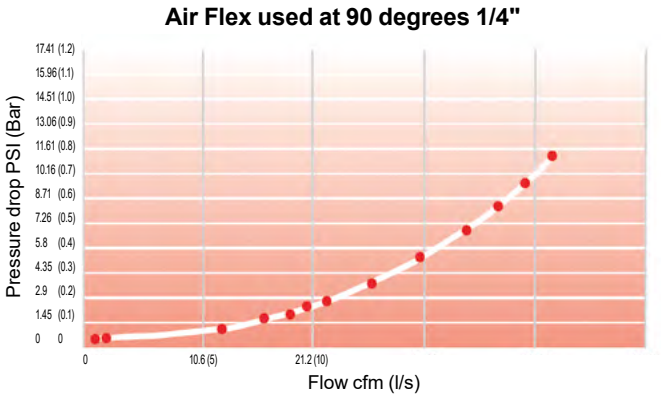


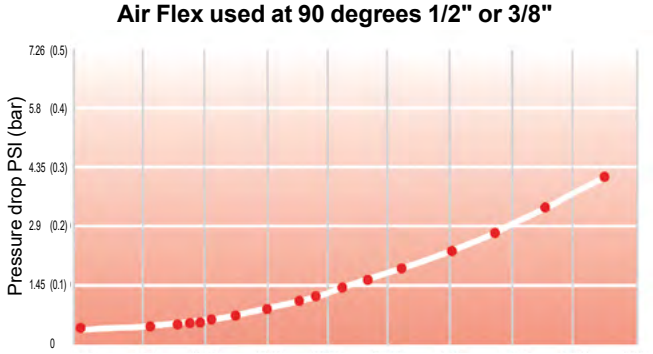
THE NEW CP AIR FLEX MAKES ALL RIGID HOSES FLEXIBLE AND MULTI-DIRECTIONAL.

Easy: less effort due to hose rigidity, makes work easier in hard to reach areas.

Less wear: no more premature hose wear.

Ergonomic and safety: no twisting, the hose remains in the ideal working position and lower the risk of tendinitis.





ACCESSOIRES FRL

MODEL	PART NUMBER	MAX RECOMMENDED AIR FLOW		FEMALE INLET	MALE INLET	WEIGHT		LENGTH		OUTSIDE DIAMETER	
		cfm	l/s	in.	in.	lb	g	in.	mm	in.	mm
BSP											
AIR-FLEX 1/4" BSP	**8940171568**	25.2	12	1/4"	1/4"	0,17	0.079	2-2/3"	67	15/16"	24
AIR-FLEX 3/8" BSP	**8940171570**	63.6	30	3/8"	3/8"	0,28	0.126	3-1/4"	82	1-1/16"	29.5
AIR-FLEX 1/2" BSP	**8940171566**	63.6	30	1/2"	1/2"	0,29	0.132	3-1/4"	82	1-1/16"	29.5
NPT											
AIR-FLEX 1/4" NPT	**8940171569**	29.7	14	1/4"	1/4"	0,17	0.079	2-2/3"	67	15/16"	24
AIR-FLEX 3/8" NPT	**8940171571**	74	35	3/8"	3/8"	0,28	0.126	3-1/4"	82	1-1/16"	29.5
AIR-FLEX 1/2" NPT	**8940171567**	63.6	30	1/2"	1/2"	0,29	0.132	3-1/4"	82	1-1/16"	29.5
AIR-FLEX 1/2" NPT	**8940175305**	110	52	1/2"	1/2"	0,73	0.330	3-1/4"	114	1-1/16"	39

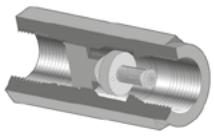
*Not recommended for percussive tools

Air Fuse

AIR FUSES

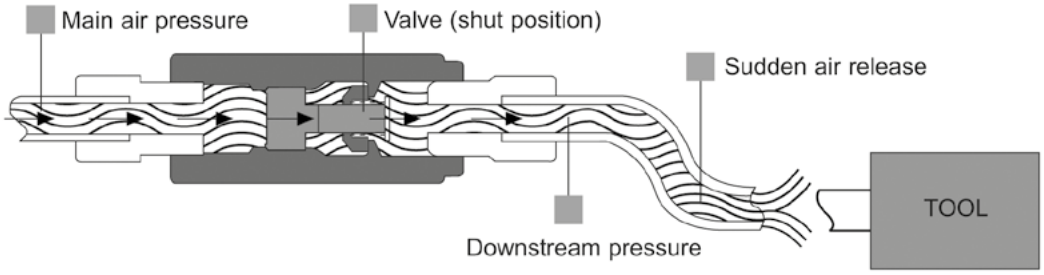
When a fitting comes loose or detached from a pressurized hose or the hose is damaged, the line pressure may cause hose whip. This dangerous situation can easily cause injury and damage.
Fuses are used to reduce the likelihood of potentially dangerous hose whip. Air Fuses are designed to quickly shut off the supply air and reset automatically when the back pressure in the line downstream is restored.

Air Fuses help to meet OSHA requirement 1926.302 (USA) and may eliminate the need for restraining or shielding hose, as required by European Standard EN983.



MATERIALS	
Body	Anodised aluminium
Internal parts	Brass
Spring	Stainless steel





- Reduces risk of hose whip, helping to protect personnel
- Simple and reliable design
- High life expectancy
- Aluminum anodised body for high corrosion resistance
- Auto-Reset to restart downstream activity with the minimum downtime.

PART NUMBER		PORT SIZE	PRESSURE DROP AT SHUT OFF FLOW		SHUT OFF FLOW RATE AT 7 BAR		TOOL MAX AIR FLOW		FOR FLOW RATES
BSP	NPT		bar	psi	l/s	cfm	l/s	cfm	in.
6158112420	**6158112450**	1/4"	0,14	2,03	7,8	16,4	5	10,5	Low
110402	**6158112460**	1/4"	0,3	4,35	13	27,3	10	21	High
110422	**6158112470**	3/8"	0,14	2,03	18	37,8	10	21	Low
110432	**6158112480**	3/8"	0,3	4,35	32	67,2	25	52,5	High
110442	**6158112490**	1/2"	0,3	4,35	45	94,5	35	73,5	High
6158112430	**6158112500**	3/4"	0,3	4,35	75	157,5	60	126	High
6158112440	**110542**	1"	0,3	4,35	86	180,6	70	147	High

ERGONOMIC FEATURES FOR AN OPTIMAL COMFORT



FOR OPEN HOSE REEL TYPES SEE BELOW CHART



RATCHET SPRING
Provides easy locking and retracting of hose

SWIVEL-PLATE BRACKET
Allows 180° movement for easier hose handling

MULTI DIRECTIONAL SWIVEL-INLET
Easy connection fixed pipes

MOVABLE RETAINING BALL
Allows easy adjustment of leader hose to desired length

APPLICATIONS

INDUSTRIAL MAINTENANCE AND PRODUCTION

OFF-ROAD MAINTENANCE APPLICATIONS

CP HOSE REEL SELECTION CRITERIA

- ✔ **First Consider the application and pressure requirements**. NOTE: All our hose reel work at max --working pressure 217psi (15bar)
- ✔ **Next determine the ID** (Inside diameter) requirement for the hose (TIP: Always check the hose ID recommended for each tool in the catalogue/online catalogue)
- ✔ **Then select length of the hose reel** and material of hose depending on the work environment.

IMPROVED DURABILITY

QUALITY & SAFETY TESTED
The most durable hose reel range ever offered by Chicago Pneumatic



RUBBER PROTECTION
Avoids any stress on the crimping



NEW CRIMPING SYSTEM
Maximum quality for maximum robustness



RATCHET SPRING
Outside access for quick and low cost maintenance

HIGHLY-INCREASED PARTS QUALITY
Long-lasting parts
Fully repairable



DRUM SPRING
Up to 25000 cycles Superior durability

CP HOSE REELS RANGE COMPLETE

HOSE Ø: 5/16" (8 MM)

Working Pressure 217psi / 15bar - Working Temperature - 14°F+140°F /-10°C+60°C

MODEL	PART NUMBER	HOSE Ø INSIDE	HOSE Ø OUTSIDE	HOSE LENGTH	HOSE MATERIAL	INCOMING FITTING	END HOSE FITTING	HOSE REEL MATERIAL	FLUID TYPE	HOSE REEL TYPE
NPT HR8108	**8940171990**	5/16" (8 mm)	1/2" (12mm)	33ft (10m)	PU	1/4" F SWIVELLING	1/4" M FIX	PLASTIC	AIR	CLOSED
BSP HR8108	**8940171991**	5/16" (8 mm)	1/2" (12mm)	33ft (10m)	PU	1/4" F SWIVELLING	1/4" M FIX	PLASTIC	AIR	CLOSED
NPT HR8208	**8940171994**	5/16" (8 mm)	1/2" (12mm)	33ft (10m)	KPU	1/4" F SWIVELLING	1/4" M FIX	ALUMINIUM	AIR/WATER	CLOSED
BSP HR8208	**8940171995**	5/16" (8 mm)	1/2" (12mm)	33ft (10m)	KPU	1/4" F SWIVELLING	1/4" M FIX	ALUMINIUM	AIR/WATER	CLOSED

HOSE Ø: 3/8" (10 MM)

Working Pressure 217psi / 15bar - Working Temperature - 14°F+140°F /-10°C+60°C

MODEL	PART NUMBER	HOSE Ø INSIDE	HOSE Ø OUTSIDE	HOSE LENGTH	HOSE MATERIAL	INCOMING FITTING	END HOSE FITTING	HOSE REEL MATERIAL	FLUID TYPE	HOSE REEL TYPE
NPT HR8110	**8940171992**	3/8" (10mm)	9/16" (14mm)	52.5ft (16m)	PU	3/8" F SWIVELLING	3/8" M FIX	PLASTIC	AIR	CLOSED
BSP HR8110	**8940171993**	3/8" (10mm)	9/16" (14mm)	52.5ft (16m)	KPU	3/8" F SWIVELLING	3/8" M FIX	PLASTIC	AIR	CLOSED
NPT HR8210	**8940171996**	3/8" (10mm)	9/16" (14mm)	52.5ft (16m)	KPU	3/8" F SWIVELLING	3/8" M FIX	ALUMINIUM	AIR/WATER	CLOSED
BSP HR8210	**8940171997**	3/8" (10mm)	9/16" (14mm)	52.5ft (16m)	KPU	3/8" F SWIVELLING	3/8" M FIX	ALUMINIUM	AIR/WATER	CLOSED
NPT HR9110	**8940172000**	3/8" (10mm)	9/16" (14mm)	65.6ft (20m)	KPU	1/2" F 90° TURN	3/8" M FIX	STEEL STRUCTURE PLASTIC DRUM	AIR/WATER	OPEN
BSP HR9110	**8940172001**	3/8" (10mm)	9/16" (14mm)	65.6ft (20m)	KPU	1/2" F 90° TURN	3/8" M FIX	STEEL STRUCTURE PLASTIC DRUM	AIR/WATER	OPEN

HOSE Ø: 1/2" (13 MM)

Working Pressure 217psi / 15bar - Working Temperature - 14°F+140°F /-10°C+60°C

MODEL	PART NUMBER	HOSE Ø INSIDE	HOSE Ø OUTSIDE	HOSE LENGTH	HOSE MATERIAL	INCOMING FITTING	END HOSE FITTING	HOSE REEL MATERIAL	FLUID TYPE	HOSE REEL TYPE
NPT HR8113	**8940171998**	1/2" (13mm)	11/16" (17mm)	52.5ft (16m)	KPU	1/2" F SWIVELLING	1/2" M FIX	PLASTIC	AIR	CLOSED
BSP HR8113	**8940171999**	1/2" (13mm)	11/16" (17mm)	52.5ft (16m)	KPU	1/2" F SWIVELLING	1/2" M FIX	PLASTIC	AIR	CLOSED
NPT HR9113	**8940172002**	1/2" (13mm)	11/16" (17mm)	49ft (15m)	KPU	1/2" F 90° TURN	1/2" M FIX	STEEL STRUCTURE PLASTIC DRUM	AIR/WATER	OPEN
BSP HR9113	**8940172003**	1/2" (13mm)	11/16" (17mm)	49ft (15m)	KPU	1/2" F 90° TURN	1/2" M FIX	STEEL STRUCTURE PLASTIC DRUM	AIR/WATER	OPEN
BSP HR 9213	**8940173324**	1/2" (13mm)	13/16" (20.5mm)	49ft (15m)	RUBBER	1/2" F 90° TURN	1/2" M FIX	STEEL STRUCTURE PLASTIC DRUM	AIR/WATER	OPEN
NPT HR9213	**8940173325**	1/2" (13mm)	13/16" (20.5mm)	49ft (15m)	RUBBER	1/2" F 90° TURN	1/2" M FIX	STEEL STRUCTURE PLASTIC DRUM	AIR/WATER	OPEN

Air Line Network

EFFI MAX HOSES

Chicago Pneumatic offers the highest quality Effi Max Series hoses with special features as low weight and flexibility to meet ergonomic demands.

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



PART NUMBER	DIMENSIONS (IDXOD)		LENGTH		MAX WORKING PRESSURE	AIR FLOW		WEIGHT PER 65.6 FT /20M	
	in. ID	mm	ft	m	PSI (bar)	cfm	l/s	lb	kg
8940169921	3/8	9.5x12.5	65.6	20	232 (16)	27.6	13	6.4	2.9
6158109000	1/2	13x18.6	65,6	20	232 (16)	44.5	21	8.6	3.9
6158109010	5/8	16x22.5	65,6	20	232 (16)	91.1	43	10.6	4.8
6158109020	3/4	20x26.1	65,6	20	232 (16)	159	75	11.9	5.4

Standard quality hose in PUR and Rubber will provide the best quality product for the price for optimized work with pneumatic tools.

EFFI MAX WHIPS



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

PART NUMBER		HOSE DIAM.		THREAD SIZE	HOSE LENGHT	
NPT	BSP	in.	mm	in.	ft	m
CA047270	**6158111920**	3/8	10	1/4	2.0	0.6
CA049271	**6158112640**	1/2	13	3/8	2.0	0.6
CA049270	**6158111930**	1/2	13	1/2	2.0	0.6
615 811 2660	**6158112650**	5/8	16	1/2	2.0	0.6

EFFI MAX HOSE KITS



Hose kits are equipped with end thread fittings and fittings and available in short length, ready to connect and use.

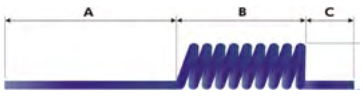
PART NUMBER	HOSE DIAM.		THREAD SIZE	HOSE LENGHT	
BSP	in.	mm	in.	ft	m
8940176677	1/2	12,5	3/8" Male	9,84	3
8940176678	5/8	16	1/2" Male	6,56	2
8940176679	3/8	10	1/4" Male	6,56	2

POLYURETHANE SPIRAL HOSE

Spiral hose are especially adapted for tools used at varying distances. Vertically or horizontally, together with a balancer spiral hose, it is a step forward in ergonomics. Equipped with ball bearing at one end (except the 11x16), they can be directly connected at the tool outlet, avoiding the hose to twist.

- Self retractable
- Light and flexible
- Strong and durable





PART NUMBER		DIMENSIONS (Ø)		THREAD SIZE	HOSE LENGHT		LENGTH		
BSP	NPT	in.	mm	in.	ft	m	A in. (mm)	B in. (mm)	C in. (mm)
	6158109670	1/4"	6,5x10	1/4"	6.6	2	19,7 (500)	5,5 (140)	5,9 (150)
6158046360	**6158109680**	1/4"	6,5x10	1/4"	13,12	4	19,7 (500)	13 (330)	5,9 (150)
6158046370	**6158109690**	1/4"	6,5x10	1/4"	19,68	6	19,7 (500)	20,1 (510)	5,9 (150)
6158046380	**6158109700**	1/4"	6,5x10	1/4"	26,24	8	19,7 (500)	27,6 (700)	5,9 (150)
6158046390	**6158109710**	5/16"	8x12	3/8"	6,56	2	19,7 (500)	5,1 (130)	5,9 (150)
6158046400	**6158109720**	5/16"	8x12	3/8"	13,12	4	19,7 (500)	11,8 (300)	5,9 (150)
6158046410	**6158109730**	5/16"	8x12	3/8"	19,68	6	19,7 (500)	18,1 (460)	5,9 (150)
6158046420	**6158109740**	5/16"	8x12	3/8"	26,24	8	19,7 (500)	24,8 (630)	5,9 (150)
	6158109750	7/16"	11x16	3/8"	6.6	2	19,7 (500)	4,7 (120)	5,9 (150)
	6158109770	7/16"	11x17	3/8"	13.1	4	19,7 (500)	10,6 (270)	5,9 (150)
	6158109780	7/16"	11x18	3/8"	19.7	6	19,7 (500)	16,5 (420)	5,9 (150)

Chicago Pneumatic's Easy Flow coupling is designed to eliminate air restriction which minimize the pressure drop. Thanks to its innovative design, EF is suited for rough environment and is easy and secure to connect and disconnect with a push and bend principle. The safety feature in EF couplings are vented version to minimize the risk of sudden separation of coupling and nipple.

Chicago Pneumatic offers a wider range of couplings to create the best possible solution together with Power Tools. The range consists of four types of couplings with different characteristic, all with the focus on quality, ergonomics and performance. To cover most of the global needs Chicago Pneumatic offers three types of nipple profiles, Euro-, ISO 6150B- and the Asian profile. With the Easy Flow coupling Chicago Pneumatic can present a unique coupling with no air restriction, minimizing the pressure drop. Thanks to its innovative design EF is suited for rough environment and it is easy and secure to connect and disconnect with the push and bend principle. The safety feature in EF and Safety Couplings are vented versions to minimize the risk of sudden separation of coupling and nipple.

	AIR FLOW	SAFETY FEATURE	ROUGH ENVIRONE-MENT	DURABILITY	ERGONOMICS
EF	+++	++	++	++	+++
Quick Release	++		+	+	+++
Claw	+++		+++	+++	

Max air flow capacity (Delta 7.2 psi / 0.5 bar) - Economical air flow (Delta 2.9 psi (0.2 bar)

CP FITTINGS ADAPTABILITY

NIPPLE		ISO6105B 6MM	EURO 7,6MM	EURO 10,4MM	ASIA 7,5MM
CEJN	310	x			
	320		x		
	410			x	
TEME	1300	x			
	1600		x		
	1700			x	
ARO	23-23902	x			
RECTUS	14-22	x			
	25(KA, KB, KD, KE, KL, KS)		x		
	26 (KA, KB, KE)		x		
	27			x	
PREVOST	ARM-ASC-ARC-06	x			
	ESC 07		x		
LEGRIS	14-22	x			
	25(KA, KB, KD, KE, KL, KS)		x		
NITTO	Hi CUPLA200				x



EF COUPLING - EURO SERIES: EUROPE

EF COUPLING - EURO 7.6mm / Max air flow capacity 79 cfm / 37.5 l/s (Delta 7.2 psi / 0.5 bar)
Economical air flow 53 cfm - 25 l/s (Delta 2.9 psi / 0.2 bar)



PART NUMBER	FEMALE THREAD in.	THREAD TYPE
6158105170	1/4	BSP
6158105180	3/8	BSP
6158105190	1/2	BSP



PART NUMBER	MALE THREAD in.	THREAD TYPE
6158105140	1/4	BSP
6158105150	3/8	BSP
6158105160	1/2	BSP



PART NUMBER	HOSE CONNECTION mm
6158105500	6
6158105530	8
6158105540	10
6158105550	13

NIPPLES EURO 7.6mm



PART NUMBER	SET OF 10 PCS	FEMALE THREAD in.	THREAD TYPE
6158105910	**6158134270**	1/4"	**BSP**
6158105920	**6158134280**	3/8"	**BSP**
6158105930	**6158134290**	1/2"	**BSP**



PART NUMBER	SET OF 10 PCS	MALE THREAD in.	THREAD TYPE
6158105880	**6158134240**	1/4"	**BSP**
6158105890	**6158134250**	3/8"	**BSP**
6158105900	**6158134260**	1/2"	**BSP**



PART NUMBER	SET OF 10 PCS	HOSE CONNECTOR
6158106220	**6158134200**	06-07 mm
6158106250	**6158134210**	08 mm
6158106260	**6158134220**	09-10 mm
6158106270	**6158134230**	13 mm

EF COUPLING -EURO 10,4mm/Max air flow capacity : 72 l/s / 153 cfm (ΔP 0,5 bars / 2,9 PSI)
Economical air flow capacity : 48 l/s / 102 cfm (ΔP 0,2 bars / 2,9 PSI)



PART NUMBER	FEMALE THREAD in.	THREAD TYPE
6158106420	3/8"	BSP
6158106430	1/2"	BSP
	3/4"	BSP



PART NUMBER	MALE THREAD in.	THREAD TYPE
6158106390	3/8"	BSP
6158106400	1/2"	BSP
6158106410	3/4"	BSP



PART NUMBER	HOSE CONNECTION mm
6158106510	10 mm
6158106520	13 mm
6158106530	16 mm

NIPPLES EURO 10,4mm



PART NUMBER	SET OF 10 PCS	FEMALE THREAD in.	THREAD TYPE
6158106710	**6158134390**	3/8"	**BSP**
6158106720	**6158134400**	1/2"	**BSP**
6158106730	**6158134410**	3/4"	**BSP**



PART NUMBER	SET OF 10 PCS	MALE THREAD in.	THREAD TYPE
6158106650	**6158134360**	3/8"	**BSP**
6158106660	**6158134370**	1/2"	**BSP**
6158106670	**6158134380**	3/4"	**BSP**



PART NUMBER	SET OF 10 PCS	HOSE CONNECTION mm
6158106770	**6158134320**	10 mm
6158106780	**6158134330**	13 mm
6158106790	**6158134340**	16 mm
6158106800	**6158134350**	19 mm

Air Line Network



EF COUPLINGS -ISO 6105B MIL-C4109: NORTH AMERICA, FRANCE, ITALY

EF COUPLING - ISO 6150B 6mm /Max air flow capacity : 16.7 l/s / 36 cfm (ΔP 0,5 bars / 7,2 PSI)
Economical air flow capacity : 11 l/s / 23.3 cfm (ΔP 0,2 bars / 2,9 PSI)



PART NUMBER	FEMALE THREAD in.	THREAD TYPE
6158104880	1/4"	NPT
6158104890	3/8"	NPT
6158104820	1/4"	BSP
6158104830	3/8"	BSP



PART NUMBER	MALE THREAD in.	THREAD TYPE
6158104850	1/4"	NPT
6158104860	3/8"	NPT
6158104870	1/2"	NPT
6158104790	1/4"	BSP
6158104800	3/8"	BSP
6158104810	1/2"	BSP



PART NUMBER	HOSE CONNECTION mm
6158105300	06 mm
6158105310	08 mm
6158105320	10 mm
6158105330	13 mm

NIPPLES ISO 6150B 6mm



PART NUMBER	SET OF 10 PCS	FEMALE THREAD in.	THREAD TYPE
6158105650	**6158134510**	1/4"	**NPT**
6158105660	**6158134520**	3/8"	**NPT**
6158105590	**6158134490**	1/4"	**BSP**
6158105600	**6158134500**	3/8"	**BSP**



PART NUMBER	SET OF 10 PCS	MALE THREAD in.	THREAD TYPE
6158105620	**6158134470**	1/4"	**NPT**
6158105630	**6158134480**	3/8"	**NPT**



PART NUMBER	SET OF 10 PCS	HOSE CONNECTION mm
6158106040	**6158134440**	06 mm
6158106050	**6158134450**	08 mm
6158106060	**6158134460**	10 mm

EF COUPLING - ISO 6150B 8mm/ Max air flow capacity : 43 l/s / 91 cfm (ΔP 0,5 bars / 7,2 PSI)
Economical air flow capacity : 27 l/s / 57 cfm (ΔP 0,2 bars / 2,9 PSI)



PART NUMBER	FEMALE THREAD in.	THREAD TYPE
	1/4"	NPT
6158105020	3/8"	NPT
6158105030	1/2"	NPT
6158104950	1/4"	BSP
6158104960	3/8"	BSP
6158104970	1/2"	BSP



PART NUMBER	MALE THREAD in.	THREAD TYPE
6158104980	1/4"	NPT
6158104990	3/8"	NPT
6158105000	1/2"	NPT
6158104920	1/4"	BSP
6158104930	3/8"	BSP
6158104940	1/2"	BSP



PART NUMBER	HOSE CONNECTION mm
6158105380	08mm
6158105390	10mm
6158105410	16mm

NIPPLES ISO 6150B 8mm



PART NUMBER	SET OF 10 PCS	FEMALE THREAD in.	THREAD TYPE
	6158134740	1/4"	**NPT**
6158105780	**6158134750**	3/8"	**NPT**
6158105790	**6158134760**	1/2"	**NPT**
6158105710	**6158134720**	1/4"	**BSP**
6158105720	**6158134730**	3/8"	**BSP**
6158105730	**6158134930**	1/2"	**BSP**



PART NUMBER	SET OF 10 PCS	MALE THREAD in.	THREAD TYPE
6158105740	**6158134690**	1/4"	**NPT**
6158105750	**6158134700**	3/8"	**NPT**
6158105760	**6158134710**	1/2"	**NPT**
6158105690		3/8"	**BSP**



PART NUMBER	SET OF 10 PCS	HOSE CONNECTION mm
6158106110	**6158134650**	08mm
6158106120	**6158134660**	10mm
6158106130	**6158134670**	13mm

Air Line Network

EF COUPLING - ISO 6150B 11mm/Max air flow capacity : 76,5 l/s / 162 cfm (ΔP 0,5 bars / 7,2 PSI)
Economical air flow capacity : 52 l/s / 110 cfm (ΔP 0,2 bars / 2,9 PSI)



PART NUMBER	FEMALE THREAD in.	THREAD TYPE
6158105110	3/8"	NPT
6158105120	1/2"	NPT
6158106370	3/4"	NPT
6158105070	3/8"	BSP
6158105080	1/2"	BSP



PART NUMBER	MALE THREAD in.	THREAD TYPE
6158105090	3/8"	NPT
6158105100	1/2"	NPT
6158106350	3/4"	NPT
6158105050	3/8"	BSP
6158105060	1/2"	BSP
6158106340	3/4"	BSP



PART NUMBER	HOSE CONNECTION mm
6158105460	10mm
6158105470	13mm
6158105480	16mm
6158105490	19mm

NIPPLES ISO 6150B 11mm



PART NUMBER	SET OF 10 PCS	FEMALE THREAD in.	THREAD TYPE
6158105860	**6158134570**	3/8"	**NPT**
6158105870	**6158134580**	1/2"	**NPT**
6158106940	**6158134590**	3/4"	**NPT**



PART NUMBER	SET OF 10 PCS	MALE THREAD in.	THREAD TYPE
6158105840	**6158134600**	3/8"	**NPT**
6158105850	**6158134610**	1/2"	**NPT**
6158106920	**6158134620**	3/4"	**NPT**



PART NUMBER	SET OF 10 PCS	HOSE CONNECTION mm
6158106180	**6158134530**	10mm
6158106190	**6158134540**	13mm
6158106200	**6158134550**	16mm
6158106210	**6158134560**	19mm

EF COUPLING - ASIA 7,5MM: JAPAN, CHINA, INDIA
EF COUPLING - ASIA 7,5mm/ Max air flow capacity : 34 l/s / 72 cfm (ΔP 0,5 bars / 7,2 PSI)
Economical air flow capacity : 23 l/s / 48 cfm (ΔP 0,2 bars / 2,9 PSI)



PART NUMBER	FEMALE THREAD in.	THREAD TYPE
6158106590	1/4"	BSPT
6158106600	3/8"	BSPT
6158106610	1/2"	BSPT



PART NUMBER	MALE THREAD in.	THREAD TYPE
6158106560	1/4"	BSPT
6158106570	3/8"	BSPT
6158106580	1/2"	BSPT



PART NUMBER	HOSE CONNECTION mm
6158108710	06mm
6158106620	08mm
6158106630	10mm
6158106640	13mm

NIPPLES ASIA 7,5mm



PART NUMBER	SET OF 10 PCS	FEMALE THREAD in.	THREAD TYPE
	6158134840	1/4"	**BSPT**
6158106850	**6158134850**	3/8"	**BSPT**
6158106870	**6158134860**	1/2"	**BSPT**



PART NUMBER	SET OF 10 PCS	MALE THREAD in.	THREAD TYPE
	6158134810	1/4"	**BSPT**
6158106820	**6158134820**	3/8"	**BSPT**
6158106830	**6158134830**	1/2"	**BSPT**



PART NUMBER	SET OF 10 PCS	HOSE CONNECTION mm
6158106970	**6158134770**	6mm
6158106880	**6158134780**	8mm
6158106890	**6158134790**	10mm
6158106900	**6158134800**	13mm

Air Line Network

CLAW COUPLING

ECONOMICAL AIR FLOW 593 CFM - 280 L/S



PART NUMBER		MALE THREAD in.
NPT	BSP	
6158109070	**6158109030**	3/8
6158109080	**6158109040**	1/2
6158109090	**6158109050**	3/4
6158109100	**6158109060**	1



PART NUMBER		FEMALE THREAD in.
NPT	BSP	
6158109150	**6158109110**	3/8
6158109160	**6158109120**	1/2
6158109170	**6158109130**	3/4
6158109170	**6158109140**	1

QUICK RELEASE COUPLINGS - EURO SERIES: EUROPE

EURO 7,6mm/ Max air flow capacity : 16,5 l/s / 35 cfm (ΔP 0,5 bars / 2,9 PSI)
Ergonomical air flow 23,3 cfm - 11 l/s (ΔP 0,5 bars / 2,9 PSI)



PART NUMBER BSP	FEMALE THREAD in.
8940176751	1/4
8940176752	3/8
8940176753	1/2



NIPPLES EURO 7.6mm

PART NUMBER	FEMALE THREAD in.	THREAD TYPE
6158105910	1/4	**BSP**
6158105920	3/8	**BSP**
6158105930	1/2	**BSP**



PART NUMBER BSP	MALE THREAD in.
8940176748	1/4
8940176749	3/8
8940176750	1/2



PART NUMBER	MALE THREAD in.	THREAD TYPE
6158105880	1/4	**BSP**
6158105890	3/8	**BSP**
6158105900	1/2	**BSP**



PART NUMBER HOSE	HOSE CONNECTION mm
8940176754	6 -7
8940176755	10
8940176756	13



PART NUMBER	HOSE CONNECTOR
6158106220	06-07
6158106260	09-10
6158106270	13

EURO 10.4 mm/ Max air flow capacity : 33 l/s / 70 cfm (ΔP 0,5 bars / 2,9 PSI)
Ergonomical air flow 23,3 cfm - 11 l/s (ΔP 0,5 bars / 2,9 PSI)



PART NUMBER BSP	FEMALE THREAD in.
8940176760	3/8
8940176761	1/2
8940176762	3/4



NIPPLES EURO 10.4mm

PART NUMBER	FEMALE THREAD in.	THREAD TYPE
6158106710	3/8	**BSP**
6158106720	1/2	**BSP**
6158106730	3/4	**BSP**



PART NUMBER BSP	MALE THREAD in.
8940176757	3/8
8940176758	1/2
8940176759	3/4



PART NUMBER	MALE THREAD in.	THREAD TYPE
6158106650	3/8	**BSP**
6158106660	1/2	**BSP**
6158106670	3/4	**BSP**



PART NUMBER HOSE	HOSE CONNECTION mm
8940176763	13
8940176764	16
8940176765	19



PART NUMBER	HOSE CONNECTOR
6158106780	13
6158106790	16
6158106800	19

Air Line Network

HOSE CONNECTORS SCREW



PART NUMBER	ACCESSORY'S DESCRIPTION	THREAD SIZE	THREAD TYPE	INTERNAL HOSE Ø
8951011801	Hose connector screw 6mm M 1/4" BSP	1/4"	BSP	6
8940175922	Hose connector screw 8mm M 1/4" BSP	1/4"	BSP	8
8940175923	Hose connector screw 10mm M 1/4" BSP	1/4"	BSP	10
8940175924	Hose connector screw 8mm M 3/8" BSP	3/8"	BSP	8
8940175925	Hose connector screw 10mm M 3/8" BSP	3/8"	BSP	10
8951011804	Hose connector screw 13mm M 3/8" BSP	3/8"	BSP	13
8940175926	Hose connector screw 10mm M 1/2" BSP	1/2"	BSP	10
8951011805	Hose connector screw 13mm M 1/2" BSP	1/2"	BSP	13
8940175927	Hose connector screw 16mm M 1/2" BSP	1/2"	BSP	16
8940175928	Hose connector screw 16mm M 3/4" BSP	3/4"	BSP	16
8940175929	Hose connector screw 16mm M 1" BSP	1"	BSP	25

REDUCER



PART NUMBER	THREAD	
	MALE BSP	FEMALE BSP
8951011823	3/8"	**1/4"**
8951011839	1/2"	1/4"
8951011828	1/2"	3/8"

DOUBLE CONNECTOR



PART NUMBER	THREAD	
	MALE BSP	FEMALE BSP
8951011822	1/4"	**1/4"**
8951011824	3/8"	1/4"
8951011825	1/2"	3/8"

Accessories

BALL VALVES

Suitable for air, water and many other liquids and gases.



PART NUMBER		DESCRIPTION	FEMALE THREAD
NPT	BSP		in.
6158109490	**6158109410**	CP BAL 08	1/4
6158109500	**6158109420**	CP BAL 10	3/8
6158109510	**6158109430**	CP BAL 15	1/2
6158109520	**6158109440**	CP BAL 20	3/4
6158109530	**6158109450**	CP BAL 25	1
-	**6158109460**	CP BAL 32	1-1/4
-	**6158109470**	CP BAL 40	1-1/2
-	**6158109480**	CP BAL 50	2

LUBRICATION



OIL PROTECTO-LUBE

PART NUMBER	ACCESSORY'S DESCRIPTION
8940176598	Oil for cleaning motor parts (0,12L)
8940176597	Oil for cleaning motor parts (0,59L)
8940176599	Oil for air lubrication (3,8L)



INLINE OILERS

PART NUMBER	CAPACITY	THREAD SIZE	MAX WORKING PRESSURE
6158120480	30 ML	1/4" BSP	34,0 bar (500 psi)
6158120490	40 ML	1/2" BSP	34,0 bar (500 psi)
6158120500	110 ML	3/4" BSP	18,0 bar(260 psi)



MINI OILER

PART NUMBER	ACCESSORY'S DESCRIPTION
2050524123	1/4" NPT Mini Oiler
2050524293	3/8" NPT Mini Oiler



360° SWIVEL AIR INLET

Aimed to improve the working ergonomy, Air flex connectors can rotate 360° eliminating efforts when working in cramped spaces

PART NUMBER	DESCRIPTION
8940158412	Swivel

* Air Inlet: 1/4" BSP

BLOW GUN



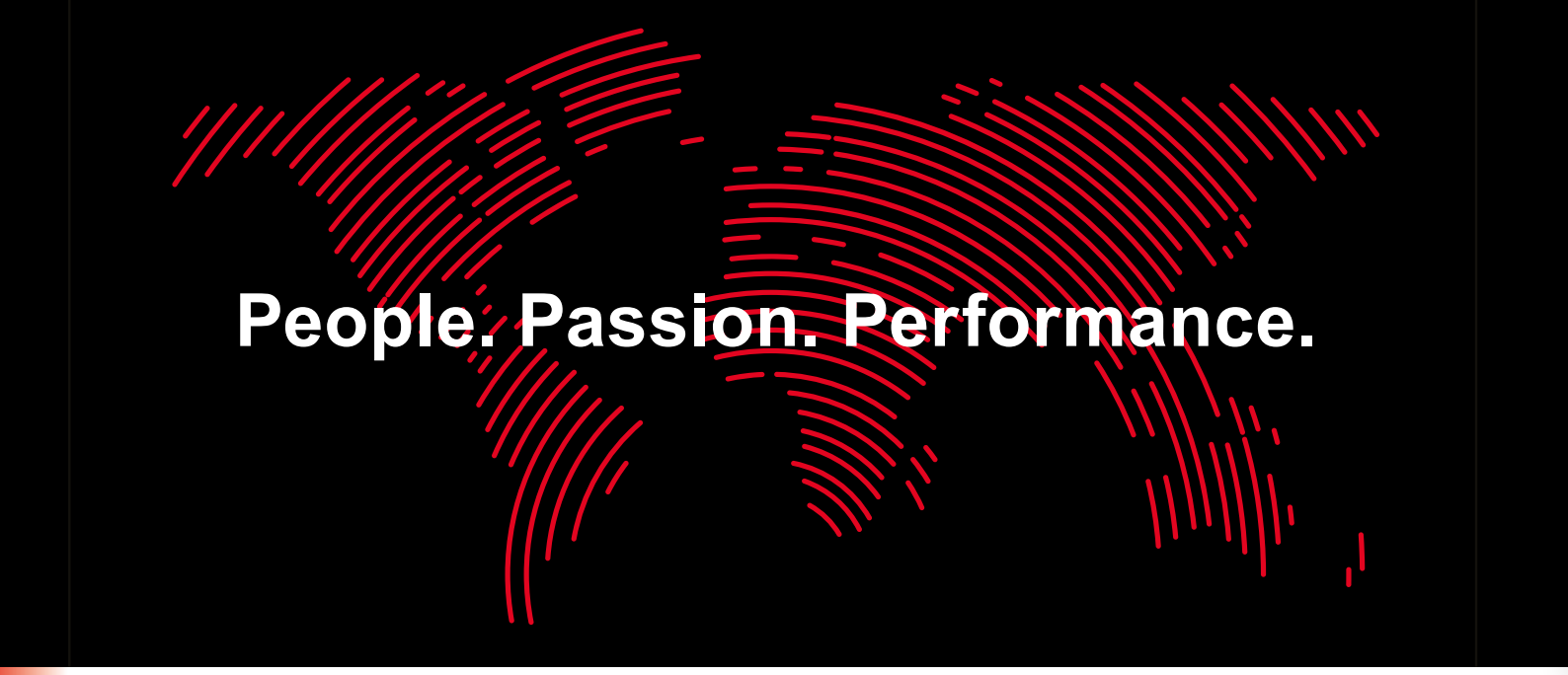
PART NUMBER	DESCRIPTION
6158112690	Blow gun standard
6158112700	Blow gun standard silencer
6158112710	Blow gun extended nozzle
6158112720	Blow gun extended nozzle silencer

All models: Air inlet 1/4"BSP

Notes

REDKORE EXPERT CORNER





PEOPLE. PASSION. PERFORMANCE.

Chicago Pneumatic is committed to helping Bolting Specialists improve performance, efficiency, and operator satisfaction through innovative tools, reliable support, and value-driven solutions.

- Delivering sustainable, value-added solutions that optimize productivity and efficiency.
- Supporting customers worldwide through a strong network of authorized distributors and service partners.
- Leveraging decades of industry and applications expertise to develop innovative solutions through in-house R&D.
- Designing products with a focus on ergonomics, safety, reliability, and ease of use.
- Engineering tools for long-lasting durability, maximum productivity, and increased sustainability.
- Continuously investing in innovation to meet the evolving needs of the market.
- Providing a comprehensive portfolio of bolting solutions backed by global expertise and local support.

Discover how CP can enhance your operations with our cutting-edge products and services.

> *It's simple, really. You have work to do, and customers to serve. CP is there to help you get the job done, without compromise.*



CONTROLLED BOLTING EXPERT MESSAGE

Engineered for Confidence. Proven in the Field. In critical bolting applications, success is measured by consistency, safety, and reliability. With more than a century of engineering expertise, Chicago Pneumatic delivers complete bolting solutions designed to help industrial professionals achieve controlled, repeatable results every time.

IN INDUSTRIAL ENVIRONMENTS, EVERY BOLTED JOINT MATTERS. WHETHER SECURING CRITICAL INFRASTRUCTURE, MAINTAINING HEAVY EQUIPMENT, OR ENSURING THE INTEGRITY OF A PRESSURE-CONTAINING FLANGE, THE QUALITY OF EVERY TIGHTENING OPERATION DIRECTLY IMPACTS SAFETY, RELIABILITY, AND PRODUCTIVITY.

Our portfolio spans the entire bolting process, from rapid rundown to high-precision tightening, offering the right technology for every application and torque requirement. Whether you need impact wrenches, pneumatic nutrunners, cordless torque wrenches, electronic torque wrenches, or hydraulic torque tools, Chicago Pneumatic provides a single partner for all your bolting needs.

But a successful bolting operation requires more than tools alone. That is why our approach includes accessories, spare parts, software, and services designed to maximize productivity and ensure long-term performance. Genuine Chicago Pneumatic spare parts and maintenance kits help reduce downtime, while our global network of technical experts, service centers, and authorized service partners provides support, training, calibration, and maintenance wherever your operations take place.

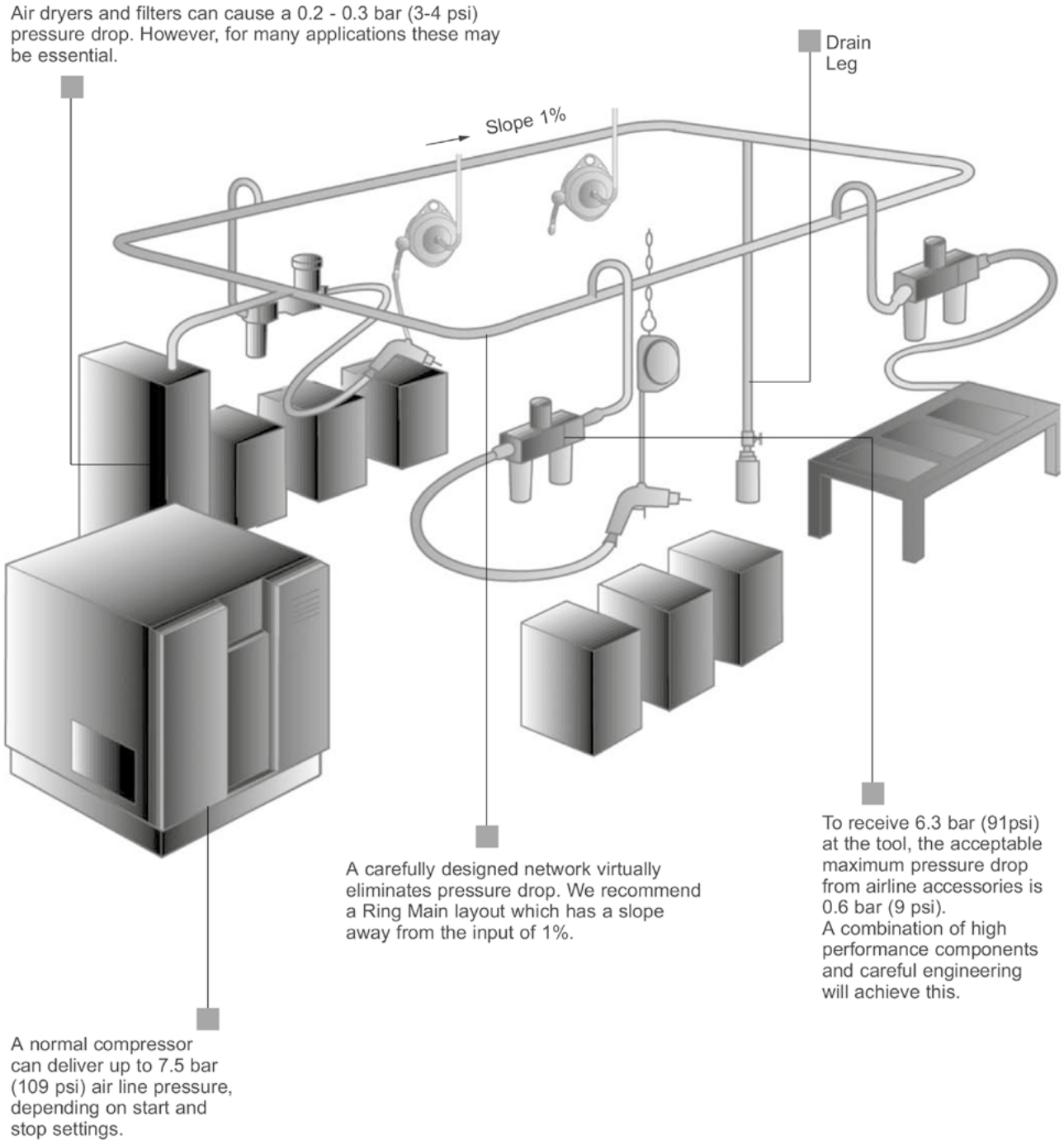
From oil and gas and power generation to mining, industrial maintenance, manufacturing, and infrastructure, Chicago Pneumatic delivers solutions engineered for the toughest environments and backed by the service and expertise customers expect from a trusted industrial partner.

One portfolio. One partner. One complete bolting solution.

Air Line Network

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 lifetime 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.



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.

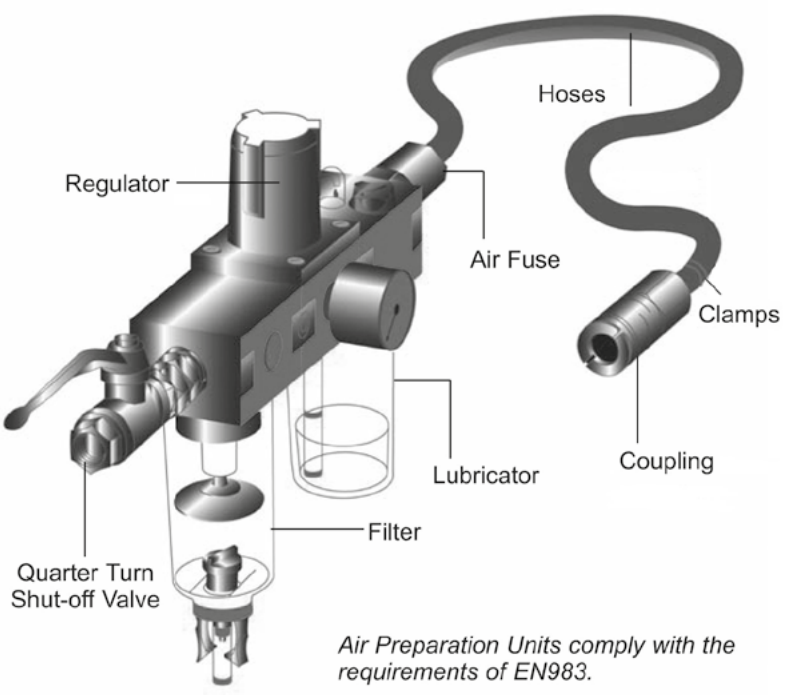
Not using filters in combination with air tools leads to shorter service life, higher maintenance costs and lower efficiency. Old air systems with cool dryers, for instance, generate a lot of rust and running tools without installing a filter could damage the tool in less than a week.

Chicago Pneumatic filters separate up to 98% of the water when operating within their working range.

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.

TOOL PRESSURE	AIR CONSUMPTION
91 psi (6 bar)	100 %
101 psi (7 bar)	110 %
116 psi (8 bar)	125 %



Air Preparation Units comply with the requirements of EN983.

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.

Bolting Theory

1. FUNCTION OF BOLTS AND NUTS

Threaded fasteners are used throughout countless industrial applications to assemble products ranging from pipelines and pressure vessels to heavy equipment, cranes, and bridges.

Their primary function is to create clamping force across a joint that can withstand operating loads and environmental conditions without loosening.

2. BEHAVIOR OF NUTS AND BOLTS

When correctly tightened, bolts utilize their elastic properties to function effectively. In simple terms, a properly tightened bolt behaves like a spring. As load is applied, the bolt stretches slightly and continually attempts to return to its original length. This elastic recovery creates the compressive force that clamps the joint components together and maintains joint integrity.

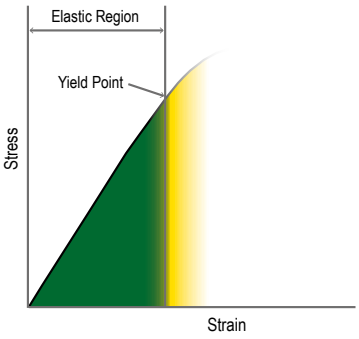


The relationship between bolt stress and elongation is described by Hooke's Law, which states that stress is directly proportional to strain within the elastic range of a material. A bolt's stress-strain behavior consists of two regions:

Elastic Range

Within the elastic range, Hooke's Law applies. Any elongation that occurs while the bolt is loaded is completely recovered when the load is removed. As the applied load increases, the amount of bolt elongation also increases proportionally.



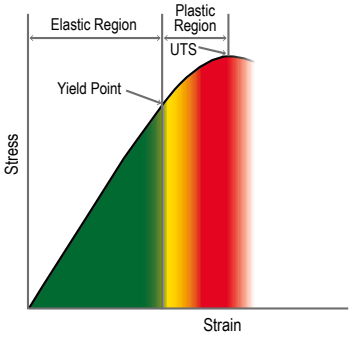


Plastic Range

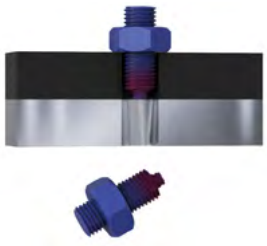
When a bolt is loaded beyond its proof load (the maximum load at which it remains fully elastic), it enters the plastic range. In this region, deformation becomes permanent and strain is no longer proportional to stress. Once plastic deformation occurs, a portion of the bolt's elongation remains even after the load is removed. The point at which permanent deformation begins is known as the yield strength.

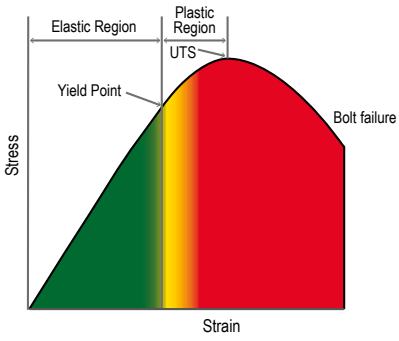
As additional load is applied beyond the yield point, the bolt approaches its ultimate tensile strength (UTS), which represents the maximum load the bolt can withstand. Beyond this point, the bolt continues to elongate until fracture occurs. The point at which the bolt ultimately breaks is referred to as the tensile failure point. Because bolt materials and grades have different mechanical properties and elastic limits, it is essential to select the correct bolt grade for the application.





Bolt Failure



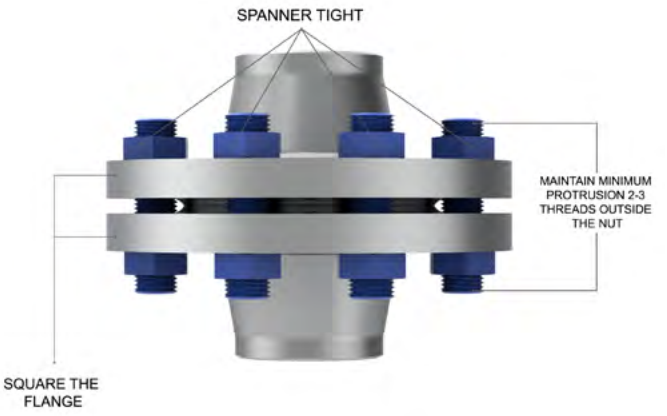


3. PRELOAD

The primary purpose of a bolted joint is to clamp components together with sufficient force to prevent movement or loosening during operation. Preload is the tension created in a bolt immediately after tightening. This residual load is critical to joint performance.

For most bolted connections, preload is the single most important factor governing joint reliability, fatigue resistance, and sealing performance. An optimally preloaded joint is capable of:

- Maintaining component alignment
- Preventing joint separation
- Resisting vibration-induced loosening
- Minimizing fatigue loading of the fastener
- Providing consistent gasket compression in sealed joints



Conversely, insufficient or excessive preload can significantly reduce joint performance and increase the likelihood of failure.

Effects of Improper Preload

Under-Tightening

Insufficient preload may result in:

- Joint separation under service loads
- Leakage in pressure-retaining connections
- Increased vibration and component movement
- Accelerated fatigue damage

Over-Tightening

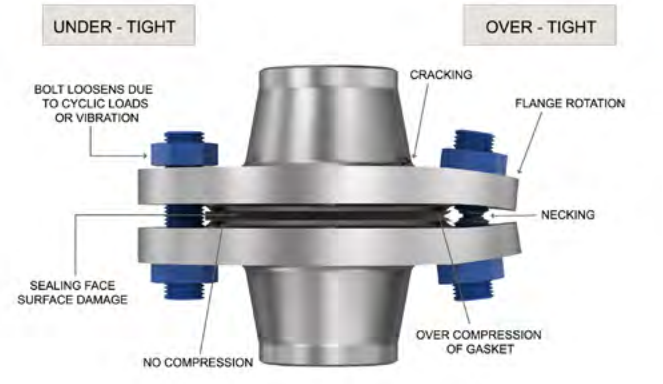
Excessive preload may result in:

- Yielding of the fastener
- Permanent deformation
- Reduced service life
- Increased risk of bolt failure

Non-Uniform Bolt Loading

In multi-bolt assemblies, variation in preload between fasteners can create significant performance issues, including

- Uneven load distribution
- Localized overstressing
- Uneven flange separation
- Inconsistent gasket compression
- Reduced sealing effectiveness
- Premature joint failure



4. TIGHTENING METHODS

Bolted joints are generally tightened using one of two approaches: uncontrolled tightening or controlled tightening.

Uncontrolled Tightening

Uncontrolled tightening relies on equipment or methods that do not provide measurable or repeatable preload values. Examples include the use of hammers, standard wrenches, or impact tools without defined tightening procedures. Because the resulting bolt load cannot be accurately verified, preload consistency is often poor.

Controlled Tightening

Controlled tightening uses calibrated equipment, defined procedures, and trained personnel to achieve predictable and repeatable bolt loads. The two primary controlled tightening methods are:

1. **Torque Tightening**
   Achieves preload by applying a controlled amount of torque to the nut or bolt using calibrated torque equipment.
2. **Bolt Tensioning**
   Achieves preload by directly stretching the bolt in a controlled axial direction using hydraulic or mechanical tensioning equipment.

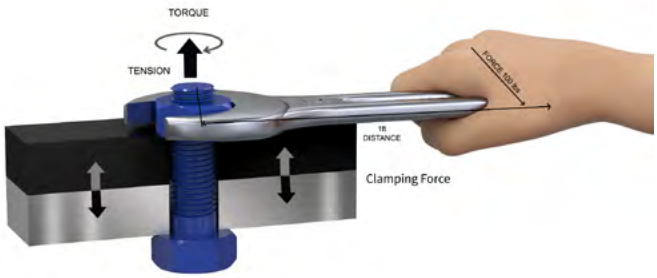
Advantages of Controlled Tightening

- Accurate Bolt Loads
- Uniformity
- Safety
- Productivity
- Repeatability

Torque Tightening

1. WHAT IS TORQUE?

Torque is the rotational force applied to turn an object around an axis, such as tightening a bolt or nut. It is a key factor in bolted joints because it determines the clamping force that holds components together.



2. WHAT IS TORQUE TIGHTENING?

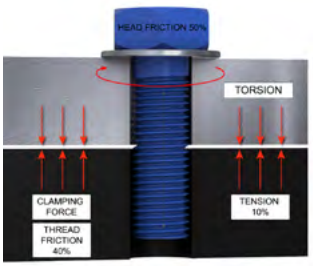
Rotational force applied to tighten a bolt.

3. FRICTION, TORQUE, AND PRELOAD

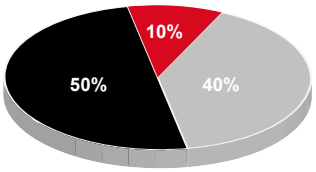
When tightening a fastener, it is important to understand that the amount of preload generated is heavily influenced by friction within the joint. Not all of the applied torque is converted into bolt stretch. Instead, the tightening torque is distributed among three primary areas:

1. Torque used to stretch the bolt and create preload.
2. Torque used to overcome friction between the mating threads.
3. Torque used to overcome friction at the bearing surface, where the nut or bolt head contacts the joint material.

As a result, controlling friction is critical to achieving consistent and accurate preload. Variations in thread condition, lubrication, surface finish, and material properties can significantly affect the relationship between applied torque and the resulting clamping force.



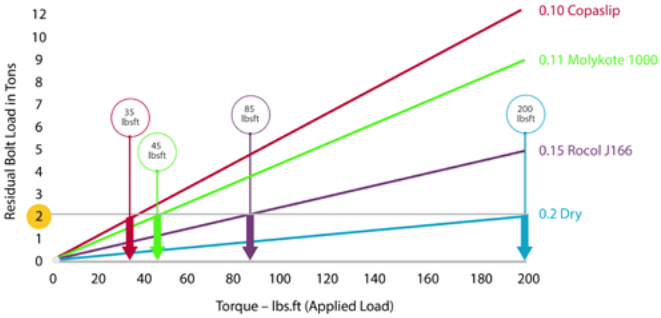
Torque = Tension + Friction



10% Useful Residual Bolt Load
40% Friction in Threads
50% Friction at Nut Face

4. IMPORTANCE OF LUBRICATION IN BOLTED JOINT ASSEMBLY

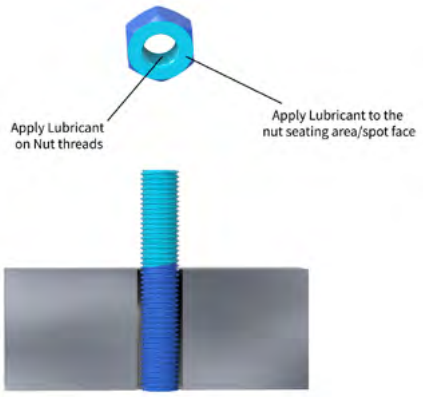
Proper lubrication plays a critical role in achieving accurate and consistent bolt preload. By reducing friction during tightening, lubrication helps improve torque efficiency, lowers the risk of fastener damage during installation, and can contribute to longer service life of the bolted joint. It is important to recognize that variations in friction coefficient directly affect the amount of preload generated at a given torque value. As friction increases, a larger portion of the applied torque is consumed overcoming resistance, leaving less torque available to stretch the bolt and create clamping force. For this reason, the friction coefficient of the selected lubricant should be known and considered when determining the required torque value. Accurate torque calculations depend on consistent and predictable lubrication properties.



Best Practice:

- Apply lubricant or anti-seize compound to the threads of the fastener.
- Apply lubricant to the bearing surface beneath the nut or bolt head.
- Use the specified lubricant consistently throughout the assembly process to help achieve repeatable preload results.

Understanding and controlling lubrication conditions is essential for improving tightening accuracy, reducing preload variation, and enhancing overall joint reliability.



Torque Tightening Procedure

1. RECOMMENDED TORQUING PROCEDURE

Torque is the rotational force applied to turn an object around an axis, such as tightening a bolt or nut. It is a key factor in bolted joints because it determines the clamping force that holds components together.

2. SELECTING THE CORRECT TOOL

Choosing the right torque wrench is critical for safe and effective tightening and loosening operations. Guidelines:

- Loosening a fastener typically requires more torque than was used during installation.
- Under normal conditions, breakout torque may be up to 3 times greater than the original tightening torque.
- When planning a loosening operation, ensure the selected tool has sufficient capacity to handle the expected breakout torque.
- Avoid operating a torque wrench at the extreme limits of its rated capacity whenever possible.

3. UNDERSTANDING JOINT CONDITIONS

The condition of the fastener and surrounding environment can significantly affect the torque required to loosen a joint. Before starting a loosening operation, inspect the joint and evaluate environmental and service conditions that could increase breakout torque requirements.

Typical Factors:

- Atmospheric corrosion (rust): may require up to 2 times the original tightening torque.
- Marine environments or chemical corrosion: may require up to 2.5 times the original tightening torque.
- High-temperature corrosion or oxidation: may require up to 3 times the original tightening torque.

4. UNDERSTANDING BREAKOUT TORQUE

Breakout torque is the torque required to initiate movement of a previously tightened fastener. In most cases, breakout torque is greater than the original tightening torque due to:

- Thread deformation
- Surface embedment
- Corrosion and oxidation
- Contamination within the threads
- Effects of prolonged exposure

Because these variables differ from one application to another, breakout torque cannot be calculated with complete accuracy. However, it may reach up to three times the original tightening torque under certain conditions.

Best Practice:

- Inspect fasteners for signs of corrosion or damage before loosening.
- Apply penetrating oil or anti-seize products when appropriate.
- Select tooling capable of handling the expected breakout torque safely.
- Use controlled and consistent force during loosening operations.

Following these practices helps improve safety, protect equipment, and reduce the risk of fastener or tool damage during maintenance activities.

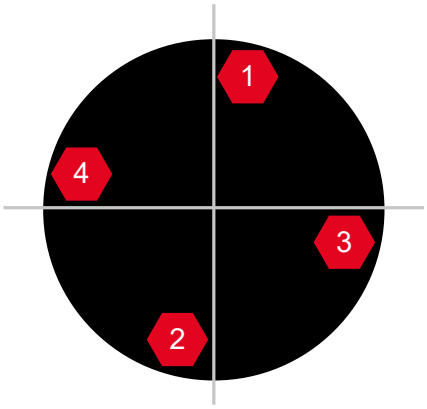
5. MINIMUM OPERATING TORQUE

For optimum accuracy and performance, hydraulic torque wrenches should generally be operated above their minimum recommended output range.

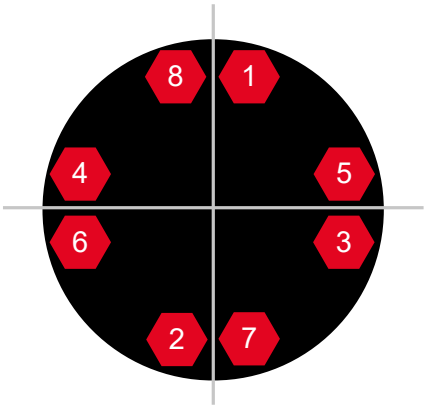
Best Practice

The recommended minimum operating torque for a hydraulic torque wrench is typically 10% of its maximum rated torque capacity. Selecting a tool with an appropriate torque range helps improve accuracy and control throughout the tightening process.

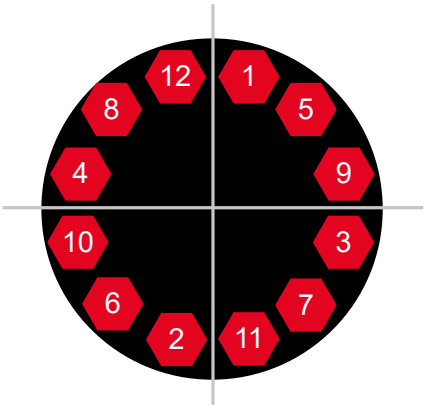
6. RECOMMENDED TORQUE SEQUENCE



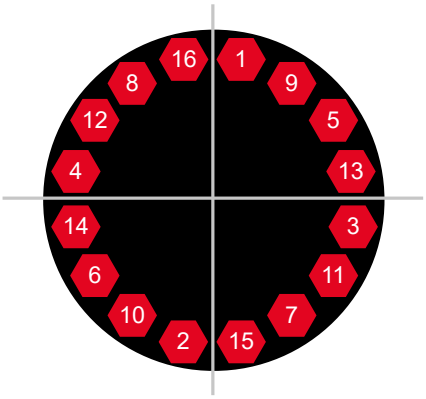
4 BOLTS



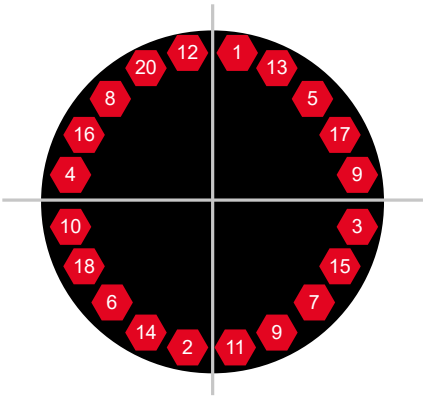
8 BOLTS



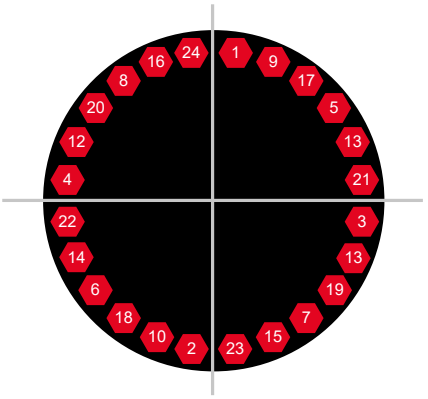
12 BOLTS



16 BOLTS



20 BOLTS



24 BOLTS

To achieve optimal preload across the entire joint, tighten fasteners in multiple stages using the specified tightening patterns:

Step 1: **Snug Tight**
Tighten all fasteners to a snug condition. Verify that approximately 2-3 threads extend beyond the nut after assembly

Step 2: First Torque Pass
Tighten each fastener to one-third (33%) of the final target torque. Follow the prescribed tightening pattern.

Step 3: Second Torque Pass
Increase torque to two-thirds (66%) of the final target torque. Continue following the same tightening pattern

Step 4: **Final Torque Pass**
Tighten all fasteners to 100% of the specified final torque value. Maintain the prescribed tightening sequence.

Step 5: Verification Pass
Perform one final pass at the full target torque. Work sequentially around the joint, typically in a clockwise direction. Confirm that all fasteners remain at the specified final torque value.

Application Worksheet

Please complete the following information prior contacting Chicago Pneumatic for your bolting proposal:

CONTACT INFORMATION:

Name:_____

Company:_____

Email:_____

Phone:_____

Industry: ☐ **Oil & Gas** ☐ **Power Generation** ☐ **Mining** ☐ **Manufacturing** ☐ **Construction**
☐ **Wind Energy** ☐ **Rail** ☐ **Other:** _____

Date:_ _____

Application Type?

☐ New assembly
☐ Maintenance shutdown
☐ Joint integrity improvement
☐ Leak prevention
☐ Critical safety application
☐ Productivity improvement
☐ Other:_____

Working Environment

☐ Indoor
☐ Outdoor
☐ Corrosive Environment
☐ Offshore / Marine
☐ Hazardous Area (ATEX)
☐ High Temperature
☐ Other:_____
☐ Operating Temperature (if known)_____°C / °F

Fastener Information

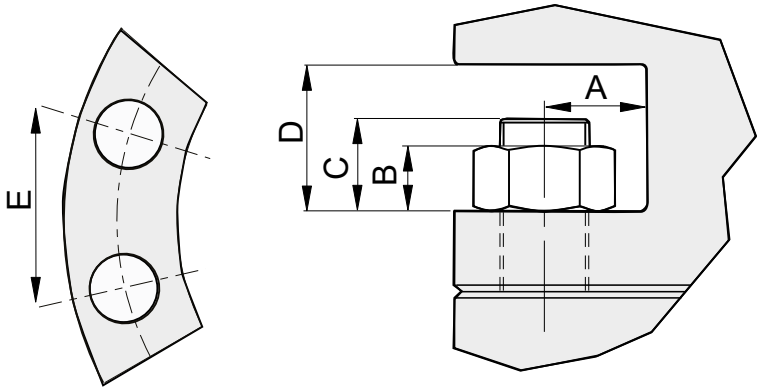
☐ Bolts per Joint_____
☐ Bolt Diameter_____
☐ Thread Pitch / TPI_____
☐ Bolt Grade_____
☐ Stud Length_____
☐ Bolt Coating_____
☐ Gasket Type _____

What challenges are you experiencing today?

☐ Excessive tightening time
☐ Inconsistent bolt load
☐ Worker fatigue
☐ Limited access around fasteners
☐ Safety concerns
☐ Difficult documentation requirements
☐ Frequent leaks or joint failures
☐ Tool reliability concerns
☐ Other:_____

Where is the bolting work performed?

☐ Horizontal / Top-Side
☐ Vertical
☐ Overhead / Inverted



Accessibility & Joint Dimensions

- A _____ mm/in
- B _____ mm/in
- C _____ mm/in
- D _____ mm/in
- E _____ mm/in

Maintenance Schedules & Tool Life (CP86-CP66)

SUSTAIN quality, Extend lifespan

	CP89	CP86	CP86 - CP 66
	WRENCH CALIBRATION	TOOL CALIBRATION	CP CARE
Accredited Calibration or **Factory Calibration**	✓		
Machine Capability Test following the ISO17025		✓	✓
Preventive Maintenance and wear parts replacement		✓	✓
Proactive and Reactive Repair			✓

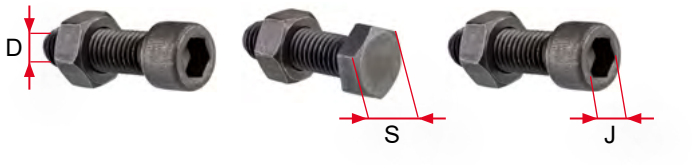
Recommended Preventive Maintenance intervals

Minimum once a year or every x tightenings, whichever comes first

Tool	5000 tightenings	50000 tightenings
CP8603		✓
CP8609 eBlueTork		✓
CP8613	✓	
CP8626	✓	
CP8641	✓	
CP8681	✓	

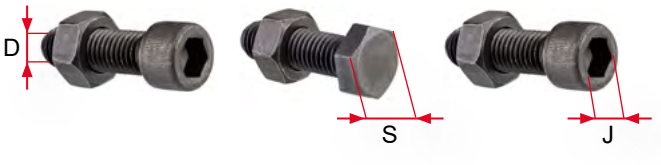
Hexagonal Nut & Bolt Size

METRIC SIZES



THREAD SIZE D	HEXAGON SIZE S	HEXAGON SIZE J
mm	mm	mm
M 10	17	8
M 12	19	10
M 14	22	12
M 16	24	14
M 18	27	14
M 20	30	17
M 22	32	17
M 24	36	19
M 27	41	19
M 30	46	22
M 33	50	24
M 36	55	27 (30)
M 39	60	27
M 42	65	32
M 45	70	-
M 48	75	36
M 52	80	36
M 56	85	41
M 60	90	46
M 64	95	46
M 68	100	50
M 72	105	55
M 76	110	60
M 80	115	65
M 85	120	70
M 90	130	70 (75)
M 95	135	-
M 100	145	85
M 105	150	-
M 110	155	-
M 115	165	-
M 120	170	-
M 125	180	-
M 130	185	-
M 140	200	-
M 150	210	-

IMPERIAL SIZES



THREAD SIZE D	HEXAGON SIZE* S	HEXAGON SIZE J
in	in	in
5/8"	1 1/16"	1/2"
3/4"	1 1/4"	5/8"
7/8"	1 7/16"	3/4"
1"	1 5/8"	3/4"
1 1/8"	1 13/16"	7/8"
1 1/4"	2"	7/8"
1 3/8"	2 3/16"	1"
1 1/2"	2 3/8"	1"
1 5/8"	2 9/16"	-
1 3/4"	2 3/4"	1 1/4"
1 7/8"	2 15/16"	1 3/8"
2"	3 1/8"	1 5/8"
2 1/4"	3 1/2"	1 3/4"
2 1/2"	3 7/8"	1 7/8"
2 3/4"	4 1/4"	2"
3"	4 5/8"	2 1/4"
3 1/4"	5"	2 1/4"

*Heavy hexagon nuts.

Determine the maximum torque according to the bolt (nut) size and grade. Always consult the manufacturers instructions or engineering recommendations when making bolted connections.

IMPORTANT
The hexagon sizes shown in the tables should be used as a guide only. Individual sizes should be checked before specifying any equipment.



Use Only Heavy-Duty Impact Sockets for power driven torquing equipment, according to ISO2725 and ISO1174; DIN3129 and DIN3121 or ASME-B107.2/1995.

Measurement Conversion

KEY TO MEASUREMENTS

All capacities and measurements in the catalog are expressed in uniform values. The conversion chart provides helpful information for their translation into equivalent systems.

FDM CONVERSION CHART

Inches	Decimal	mm
1⁄16	0.06	1,59
1/8	0.13	3,18
3⁄16	0.19	4,76
1/4	0.25	6,35
5⁄16	0.31	7,94
3/8	0.38	9,53
7⁄16	0.44	11,11
1/2	0.5	12,70
9⁄16	0.56	14,29
5/8	0.63	15,88
11⁄16	0.69	17,46
3/4	0.75	19,05
13⁄16	0.81	20,64
7/8	0.88	22,23
15⁄16	0.94	23,81
1	1	25,40

TORQUE CONVERSION FACTORS

UNITS TO BE CONVERTED	INTERNATIONAL SYSTEM - S.I.	IMPERIAL	METRIC
	Nm	Lbf.ft	kgf.m
1 Ft.lbs	1,356	1,000	0,138
1 Nm	1,000	0,738	0,102
1 kgf.m	9,807	7,233	1,000

Pressure:

1 psi	= 0,069 bar
1 bar	= 14,50 psi
	= 10 N/cm^2
1 kPa	= 0,145 psi
1 MPa	= 145 psi

Pressure:

1 lbf	= 4.45 N
1 klbf	= 1000 lbf
1 kN	= 1000 N

Weight:

1 pound (lb)	= 0,4536 kg
1 kg	= 2,205 lbs
1 metric ton	= 2205 lbs
	= 1000 kg
1 ton (short)	= 2000 lbs
	= 907,18 kg

Temperature:

To Convert °C to °F:
T°F = (T°C x 1,8) + 32
To Convert °F to °C:
T°C = (T°F – 32) ÷ 1,8

Volume:

1 in^3	= 16,387 cm^3
1 cm^3	= 0,061 in^3
1 liter	= 61,02 in^3
	= 0,264 gal
1 US gal	= 3,785 cm^3
	= 3,785 l
	= 231 in^3

Other measurements:

1 in	= 25,4 mm
1 mm	= 0,039 in
1 ft	= 0,3048 m
1 m	= 3,2808 ft
1 in^2	= 6,452 cm^2
1 cm^2	= 0,155 in^2
1 hp	= 0,746 kW
1 kW	= 1,340 hp
1 Nm	= 0,738 Ft.lbs
1 Ft.lbs	= 1,356 Nm
1 kN	= 224,82 lbs
1 lb	= 4,448 N

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 via 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 90 PSI (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

A higher pressure could affect the tools lifespan, and operator safety (excessive vibration, or abrasive over-speed and burst risk). We recommend the use of a gauge equipped FRL for every tool to operate this adjustment.
**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 workpiece 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.



Pinch points and safety hazards

- Make sure that the rotational direction of the tool is correct before starting the tool.
- Keep your hands away from the reaction bar while the tool is used.



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.

Abrasive Tools



- 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.

Hydraulics Tools



- Only qualified and trained operators should install, adjust or use this power tool.
- This tool and its accessories must not be modified in any way.
- Do not use this tool if it has been damaged.
- If the hazard warning labels on the tool cease to be legible or become detached, replace without delay.

Cordless Tools



- Only qualified and trained operators should install, adjust or use this power tool.
- This tool and its accessories must not be modified in any way.
- Do not use this tool if it has been damaged.
- If the hazard warning labels on the tool cease to be legible or become detached, replace without delay.

Assembly Tools



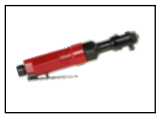
- Serious injury can result from over-torqued or under-torqued fasteners, which can break, or loosen and separate.
- Released assemblies can become projectiles. Assemblies requiring a specific torque must be checked using a torque meter.

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.

Ratchets



- Never use hand sockets. Use only power drive sockets per ANSI B107.2.
- To reduce the risk of injury, always support the handle securely in the direction opposite of the spindle rotation to minimize torque reaction.

Specialty Tools



- Specific instructions/warnings affecting this group of tools are contained in product-specific documents accompanying each product.

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).

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.

Chicago Pneumatic

At Chicago Pneumatic we have a passion for performance and long-lasting partnerships. Since 1901, we have been committed to reliability based on technology and trust.



People. Passion. Performance.

For more information, please contact your CP partner:

Use only authorized parts. Any damage or malfunction caused by the use of unauthorized parts is not covered by Warranty or Product Liability.

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