



CF COOPER[®]
A Legacy of Quality Since 1886

Hand Tools and
Power Tool Accessories



THE C.F. COOPER STORY

C.F. COOPER® develops and distributes professional grade hand tools and power tool accessories to tradesmen and craftsmen around the world who require high performance tools at competitive prices.

C.F. Cooper's brand portfolio includes an ever-expanding range of SIMONDS® power tool accessories, C.H. HANSON® hand tools, MEGAPRO® fastening tools, which C.F.Cooper Inc., hold the exclusive rights to market within Asia and other selected geographical areas.

For well over a century, both SIMONDS and C.H. HANSON have been innovators in their respective businesses and continue to build upon their success through an expanding range of tools for professionals who make their living like C.F. Cooper, working with good hand tools. As well, the MEGAPRO brand has been rapidly expanding its fastening tool line from the success of its patented cartridge type multi-bit screwdrivers. Whether it was in 1832 when Abel Simonds developed scythe blades for paper mills, or 1866 when Christian Hanson developed metal stamps for factories, or 1994 when Hermann Fruhm developed the first cartridge type multi-bit screwdriver, the passion for developing quality & innovative tools has been at the heart of our business.

CF COOPER® as a brand has been introduced in to the market with the sole intension of introducing a comprehensive range of Hand tools, Shaping & Cutting tools and Power Tool Accessories to the discerning consumers in the global market.

Our success is the result of our never-ending commitment to develop & provide high quality tools for professionals with innovative features that are fairly priced.

CF COOPER®
A Legacy of Quality Since 1886

Clarence Cooper



The legacy of C.F. Cooper dates back over a century to 1886 when Clarence Frederick Cooper was born in Wallingford, Connecticut, U.S.A.. Clarence was a handyman for many years and spent his later life working at Stanley Tools. He had a keen sense of quality and a high work ethic. Reaching an age of 101 years, his passion for quality tools was carried on by three succeeding generations who also worked in the tool industry, the most recent being C.F.'s grandson, Gerry Cooper, and great-grandson, Dan Cooper, who currently manage the C.F. Cooper business.

Gerald Cooper, Sr.



C.F. Cooper's son, Gerald joined Stanley right out of college in 1936 at the depths of the U.S. Depression, starting as a worker in the boiler room just to have a job. In the ensuing years, he moved into manufacturing drapery hardware rising up to become Plant Manager by 1955, then becoming Vice President of The Stanley Works, a job he held until his untimely death at age 54 in 1968. During his adult career, he was a member of his college's Board of Trustees, superintendent of his Sunday School, a Lifetime Rotarian and self-taught do-it-yourself builder of pine furniture.

Gerald Cooper, Jr.



C.F.'s grandson, Gerry also joined Stanley after his college graduation in 1966 moving from programming Stanley's computers to positions in accounting, finance, purchasing and manufacturing. In 1986, Stanley moved Gerry and his family to Taiwan where he lived for 19 years setting up Stanley sales offices and factories for Stanley in Singapore, Taiwan and China. In 2001, Gerry retired from Stanley after 35 years and started his own hand tool sourcing and engineering company which he expanded in 2007 to include an assembly and packaging factory. Gerry is currently the Chairman of C.F. Cooper Inc.

Daniel Cooper



C.F.'s great-grandson, Dan joined Stanley after his college graduation in 1993 as a Sales Representative at their Taiwan sales office. In 1994, he joined American Tool Companies, now Irwin Tools, as their Asia Sales Manager. In 2003 he joined Cooper Tools, now Apex Tools, as their Director of Asian Sales & Operations. Through his employment at these three companies, Dan gained strong relationships with both suppliers and customers. Dan's more than 25-year background in Asia combined with his industry work experience and family heritage have served him well as the current President of C.F. Cooper Inc.

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PLIERS
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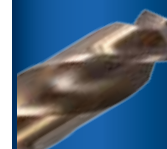
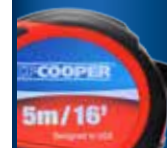
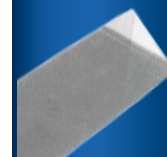
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MEASURING TAPES
Standard measuring tapes

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CUTTING TOOLS & WHEELS
Aviation snips, Diamond Cutting, Flap disks, Resinoid Cutting & Grinding wheels

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DRILL BITS
Masonry Drill Bits, Hammer Drill Bits, Demolition Chisels, HSS Co Jobber Drills

35
INDUSTRIAL DRIVER BITS
Power insert bits



Silicone Tape

Originally developed for the military, CF COOPER AUTO-GRIP™ tape is a self-bonding wrap made from a special high quality silicone rubber compound which adheres to itself when wrapped under tension. AUTO-GRIP™ tape forms a non-conductive, air & water tight, insulating seal.

Some of AUTO-GRIP™ Tape's Many Uses:



MARINE, SPORT & TOOL GRIPS



ELECTRICAL CONNECTIONS



RADIATOR & GARDEN TOOLS



PLUMBING & AIR DUCTS

Key Features:

- Won't melt up to +260°C (+500°F)
- Remains flexible down to -50°C (-60°F)
- Insulates up to 8,000 volts
- Tensile strength of 600 psi
- Air and water tight
- No adhesive residue
- Lasts for years



How to Use CF COOPER AUTO-GRIP™ Tape:

1. Clean surface to be wrapped. Cut off length to be used.
2. Peel back a short length of protective film. Keep the tape clean and dry.
3. Begin with once complete overlap of tape onto itself.
4. Stretch AUTO-GRIP™ tape while continuing to wrap object with "half-laps", removing clear film as you go.
5. End of tape at final wrap should be completely positioned onto itself.

Multi-Purpose Silicone Tape



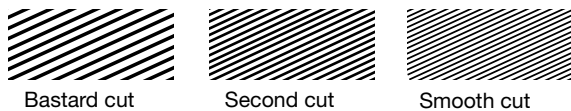
- For quickly sealing air & water leaks
- Unlike other tape, there's no adhesive residue
- Tape quickly fuses to itself under tension
- Creates a permanent air-tight and water-proof seal
- Able to withstand extreme temperatures & conditions
- Insulates up to 8,000 volts

Item No.	Model No.	UPC No.	Color	Length		Width		Shelf Pack	Carton Pack
				Feet	Meters	Inch	mm		
44000	STB	81310602023	Black	10'	3m	1"	25mm	12	72
44001	STC	81310602023	Clear	10'	3m	1"	25mm	12	72
44002	STR	81310602023	Red	10'	3m	1"	25mm	12	72
44003	STB2	81310602024	Black	10'	3m	2"	50mm	9	54
44004	STC2	81310602024	Clear	10'	3m	2"	50mm	9	54
44005	STR2	81310602024	Red	10'	3m	2"	50mm	9	54



File Terminology

Coarseness

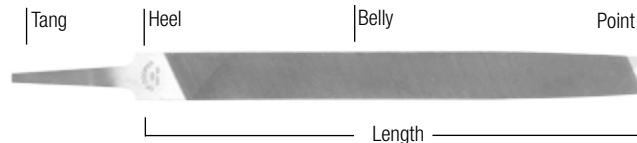


- Work to be accomplished, roughing or finishing will determine type of teeth and coarseness for each application
- Most American pattern files are available with 3 grades of cut: bastard-cut, second-cut and smooth-cut
- The degree of coarseness is greater in longer files, but differences between bastard, second and smooth are proportionate

Boxed Packaging

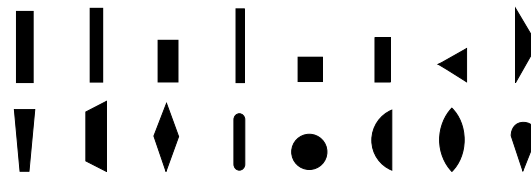


Length



- Length is measured exclusive of tang, from point to heel, unless otherwise specified
- Desired stroke length, type of material and size will determine length required

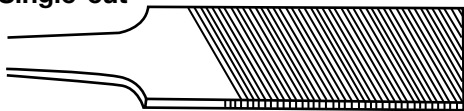
Shape



- Area to be filed will determine specific cross-section (round, square, flat, etc.) to be used

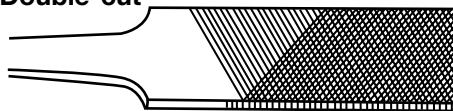
Kinds of Teeth

Single-cut



- Single set of parallel, diagonal rows of teeth
- Single-cut files are often used with light pressure to produce a smooth surface finish or to put a keen edge on knives, shears or saws

Double-cut



- 2 sets of diagonal rows of teeth
- Second set of teeth cut in opposite diagonal direction and on top of the first set
- First set of teeth is known as the overcut, second is known as upcut
- Upcut is finer than overcut
- Double-cut file is used with heavier pressure than the single-cut and removes material faster from the workpiece

Flat Files - Boxed



- Used by machinists, machinery builders, ship and engine builders, repairman and others who require rapid removal of metal
- Rectangular in cross section and taper slightly towards point in width
- Double-cut on sides, single-cut on edges
- Available in bastard, second and smooth-cut
- Boxed

Inch	mm	Bastard Cut		Second Cut		Smooth Cut		Shelf Pack	Carton Pack
		Cat. No.	UPC No. 81310	Cat. No.	UPC No. 81310	Cat. No.	UPC No. 81310		
4"	100mm	706001	706001	706002	706002	706003	706003	12	1,200
6"	150mm	706004	706004	706005	706004	706006	706006	12	360
8"	200mm	704020	706020	706008	706008	706009	706009	12	144
10"	250mm	704021	706021	706011	706011	706012	706012	6	90
12"	300mm	704022	706022	704014	706014	704015	706015	6	48
14"	350mm	704023	706023	704017	706017	704018	706018	6	36

Machinist Files

Half Round Files - Boxed



- Used on concave, convex and flat surfaces
- Rounded on 1 side, flat on opposite
- Backs of all half-round bastard files are double-cut
- Backs of all half-round second cut files longer than 6" are double-cut
- Backs of all 4" and 6" files are single-cut
- Backs of all half-round smooth files are single-cut
- Flat sides of all half-round files are double-cut
- Pipeliner file is single-cut on back and flat sides
- Boxed

Inch	mm	Bastard Cut		Second Cut		Smooth Cut		Shelf Pack	Carton Pack
		Cat. No.	UPC No. 81310	Cat. No.	UPC No. 81310	Cat. No.	UPC No. 81310		
4"	100mm	704019	704019	704020	704020	704021	704021	12	840
6"	150mm	704022	704022	704023	704023	704024	704024	12	480
8"	200mm	704025	704025	704026	704026	704027	704027	12	192
10"	250mm	704028	704028	704029	704029	704030	704030	6	90
12"	300mm	704031	704031	704032	704032	704033	704033	6	48

Round Files - Boxed



- Primarily used to file circular openings or concave surfaces
- Round shape
- All round files are single-cut
- Tapered slightly towards point
- Safe point on round files
- Boxed

Inch	mm	Bastard Cut		Second Cut		Smooth Cut		Shelf Pack	Carton Pack
		Cat. No.	UPC No. 81310	Cat. No.	UPC No. 81310	Cat. No.	UPC No. 81310		
4"	100mm	706059	706059	706060	706060	706061	706061	12	1,200
6"	150mm	706062	706062	706063	706063	706064	706064	12	432
8"	200mm	706065	706065	706066	706066	706067	706067	12	336
10"	250mm	706068	706068	706069	706069	706070	706070	12	120
12"	300mm	706071	706071	706072	706072	706073	706073	6	48

Square Files - Boxed



- Used on slots, keyways and general surface filing
- Square shape
- Double-cut
- Tapered slightly towards point
- Larger sizes frequently preferred to corresponding flat files because of heavier section and 4 filing surfaces
- Boxed

Inch	mm	Bastard Cut		Second Cut		Smooth Cut		Shelf Pack	Carton Pack
		Cat. No.	UPC No. 81310	Cat. No.	UPC No. 81310	Cat. No.	UPC No. 81310		
4"	100mm	706074	706074	706075	706075	706076	706076	12	1,200
6"	150mm	706077	706077	706078	706078	706079	706079	12	480
8"	200mm	706080	706080	706081	706081	706082	706082	12	300
10"	250mm	706083	706083	706084	706084	706085	706085	12	96
12"	300mm	706086	706086	706087	706087	706088	706088	6	48

* Additional file types and sizes available upon request

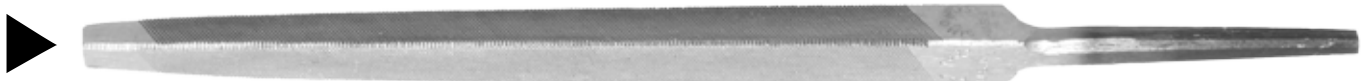
- Mill files
- Hand files
- Three Square files
- Warding files
- Knife files
- Rasps
- Cabinet files

Taper (Triangular) Saw Files

Number of Saw Points	Files Recommended
4	7" Heavy or 8" Regular Taper
5	7" Regular Taper or 10" Slim
5½	7" Regular Taper or 10" Slim
6	5" or 6" Regular Taper 7" or 8" Slim
7	6" or 7" Slim
8	4" Regular Taper 6" Slim, 7" X Slim, 8" XX Slim
9	5" Slim, 6" X Slim, 7" XX Slim
10	3½" Regular Taper or 5" Slim, 5" X Slim, 6" XX Slim
11	3" Regular Taper or 4" Slim, 5" X Slim, 6" XX Slim
12	3" Regular Taper or 5" X Slim
13,14	4" X Slim or 5" XX Slim
15,16	4" XX Slim

- Made for filing saws with 60° angle teeth
- Triangular shape
- Single-cut
- Edges set and cut for filing gullets between saw teeth
- In filing handsaws, it is important to select the right file
- In general, the table lists suggested size and type of file that will give best results

Taper Files - Heavy - Boxed



- Triangular shape
- Boxed
- Edges set and cut for filing gullets between saw teeth
- Tapers slightly towards the point

Inch	Length		Packed	Cat. No.	UPC No.	Shelf Pack	Carton Pack
	Inch	mm					
7"		175mm	Boxed	706034	81310706034	12	144

Taper Files - Regular - Boxed



- Triangular shape
- Boxed
- Edges set and cut for filing gullets between saw teeth
- Tapers slightly towards the point

Inch	Length		Packed	Cat. No.	UPC No.	Shelf Pack	Carton Pack
	Inch	mm					
3"		75mm	Boxed	913692	81310704018	12	840
3½"		90mm	Boxed	913710	81310704019	12	840
4"		100mm	Boxed	706035	81310706035	12	840
5"		125mm	Boxed	706036	81310706036	12	504
6"		150mm	Boxed	706037	81310706037	12	336

Taper Files - Slim - Boxed



- Triangular shape
- Boxed
- Edges set and cut for filing gullets between saw teeth
- Tapers slightly towards the point

Taper Saw Files

Inch	Length		Packed	Cat. No.	UPC No.	Shelf Pack	Carton Pack
	Inch	mm					
4"		100mm	Boxed	706038	81310706038	12	1,200
5"		125mm	Boxed	706039	81310706039	12	1,080
6"		150mm	Boxed	706040	81310706040	12	480
7"		175mm	Boxed	706042	81310706042	12	360
8"		200mm	Boxed	706043	81310706043	12	192
10"		250mm	Boxed	706044	81310706044	12	96

Taper Files - Extra Slim - Boxed



- Triangular shape
- Boxed
- Edges set and cut for filing gullets between saw teeth
- Tapers slightly towards the point

Inch	Length		Packed	Cat. No.	UPC No.	Shelf Pack	Carton Pack
	Inch	mm					
4"		100mm	Boxed	706045	81310706045	12	1,200
5"		125mm	Boxed	706046	81310706046	12	1,080
6"		150mm	Boxed	706047	81310706047	12	480

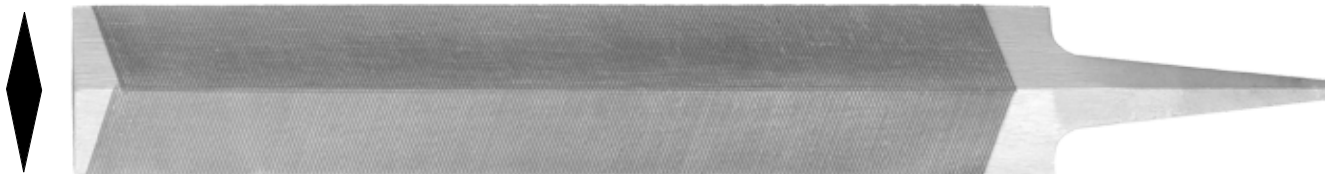
Taper Files - Double Extra Slim - Boxed



- Triangular shape
- Boxed
- Edges set and cut for filing gullets between saw teeth
- Tapers slightly towards the point

Inch	Length		Packed	Cat. No.	UPC No.	Shelf Pack	Carton Pack
	Inch	mm					
4"		100mm	Boxed	706048	81310706048	12	1,200
5"		125mm	Boxed	706049	81310706049	12	1,080
6"		150mm	Boxed	706050	81310706050	12	480

Feather Edge Saw Files - Boxed



- Used for filing saws with tooth angle less than 60°
- Diamond shape
- Single-cut on sides and edges
- Boxed

Inch	Length		Packed	Cat. No.	UPC No.	Shelf Pack	Carton Pack
	Inch	mm					
3"		75mm	Boxed	706051	81310706051	12	432
4"		100mm	Boxed	706052	81310706052	12	432
5"		125mm	Boxed	706053	81310706053	12	360
6"		150mm	Boxed	706054	81310706054	12	240

Chain Saw Files - Round



- For sharpening round-hooded chain saw teeth
- Safe point
- Double-cut
- Round shape
- Boxed or in Pouches

Inch	Length		Diameter		Packed	Cat. No.	UPC No.	Shelf Pack	Carton Pack
	Inch	mm	Inch	mm					
8"		200mm	5/32"	4.0mm	6pcs/Box	92228	81310704010	60	600
8"		200mm	3/16"	4.8mm	6pcs/Box	92229	81310704011	60	600
8"		200mm	7/32"	5.6mm	6pcs/Box	92230	81310704012	60	600
8"		200mm	5/32"	4.0mm	3pcs/Pouch	92228P	81310704015	12	300
8"		200mm	3/16"	4.8mm	3pcs/Pouch	92229P	81310704016	12	300
8"		200mm	7/32"	5.6mm	3pcs/Pouch	92230P	81310704017	12	300

All Purpose Files (Handy Files)



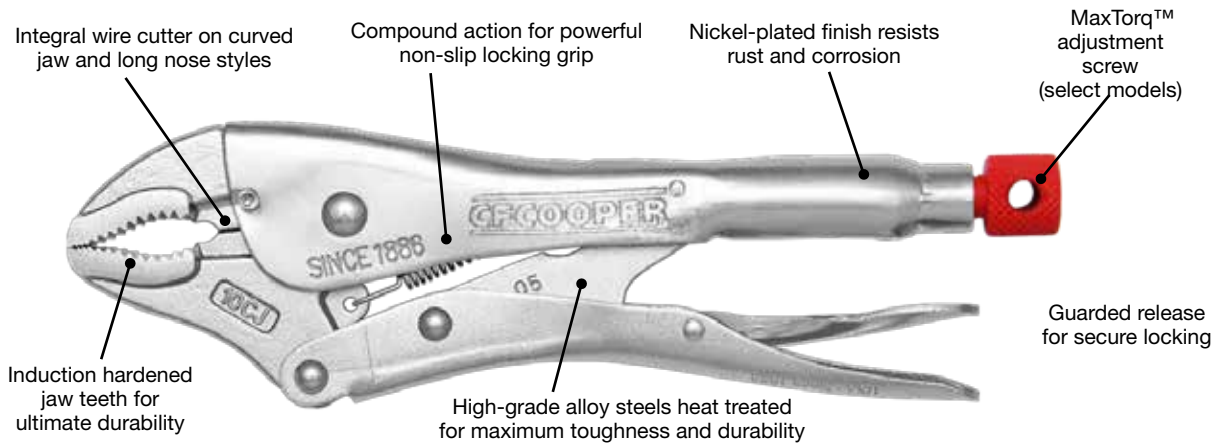
- One side single-cut for tool sharpening and smooth metal surfaces
- Reverse side is double-cut for general filing and rapid stock removal
- 1 cut edge and 1 safe edge
- Length measure exclusive of handle
- Rectangular shape

Inch	Length		Packed	Cat. No.	UPC No.	Shelf Pack	Carton Pack
	Inch	mm					
8"		200mm	Boxed	06089	81310706089	12	144
10"		250mm	Boxed	06090	81310706090	12	144
12"		300mm	Boxed	06091	81310706091	6	96

Max-Torq™ Locking Pliers & Clamps

C.F. Cooper standard locking pliers are made to an exacting standard that results in improved durability and long-term performance. In fact, they meet stringent ASME standards B107.24 and B107.36, as applicable, for product specifications, including strength and maximum jaw opening capacity. Yet, as strong as they are, C.F. Cooper locking pliers still maintain the narrow profile required for work in tight and confined spaces.

These tools have hundreds of uses; such as an adjustable wrench, pipe wrench, clamp, pliers, wire cutter, and portable vice. Every style has a tough nickel-plated finish for maximum resistance to corrosion.



Locking Pliers

Locking Pliers, Straight Jaw with MaxTorq™ Screw



- Straight jaws allow for maximum contact in flat work
- MaxTorq™ adjustment screw for faster setup
- Use for safer grinding or as a portable vice
- Nickel-plated finish resists rust and corrosion
- Maximum jaw opening per ASME specs
- Fully meets or exceeds U.S. federal specifications

Item No.	Model No.	UPC No.	Packaging	Length		Jaw Opening		Shelf Pack	Carton Pack
				Inch	mm	Inch	mm		
44413	10SJ	81310602059	Half Clam	10"	250mm	1-5/8"	41mm	6	30
44414	7SJ	81310602060	Half Clam	7"	175mm	1-1/8"	29mm	6	30

Locking Pliers, Curved Jaw with MaxTorq™ Screw



- Involute curved jaw allows tighter grip on objects
- MaxTorq™ adjustment screw for faster setup
- Maximum jaw opening per ASME specs
- Nickel-plated finish resists rust and corrosion
- Top quality design for superior performance
- Compound action for powerful non-slip locking grip
- Fully meets or exceeds U.S. federal specifications

Item No.	Model No.	UPC No.	Packaging	Length		Jaw Opening		Shelf Pack	Carton Pack
				Inch	mm	Inch	mm		
44415	10CJ	81310602061	Half Clam	10"	250mm	1-7/8"	48mm	6	30
44416	7CJ	81310602062	Half Clam	7"	175mm	1-5/8"	42mm	6	30

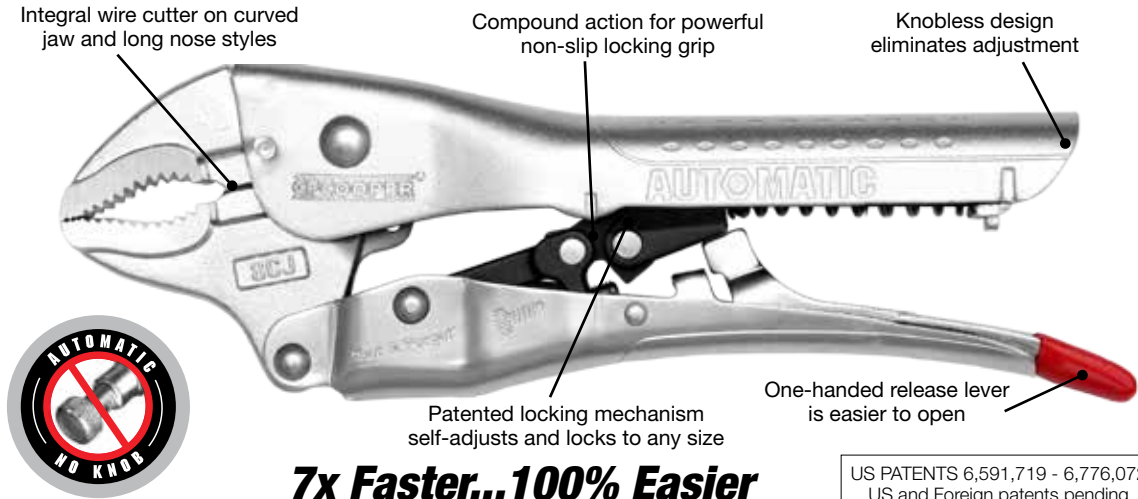
*Also available:

X-Treme Jaw, Large Jaw, Locking Sheet Metal Clamp, Locking Welding Clamp, Locking Chain Clamp, Locking C-Clamp with Regular Tips, Locking C-Clamps with Swivel Pads

Automatic™ Locking Pliers & Clamps

C.F. Cooper Automatic™ locking pliers have a patented locking mechanism, allowing them to quickly self-adjust and lock on to thick and thin objects without the need to turn a knob. They are 7 times faster and 100% easier than traditional locking pliers. The extended lower jaw rivet provides increased tip pressure with the same hand force. They feature the same heavy-duty construction as standard locking pliers.

These tools have hundreds of uses; such as an adjustable wrench, pipe wrench, clamp, pliers, wire cutter, and portable vice. Every style has a tough nickel-plated finish for maximum resistance to corrosion.



7x Faster... 100% Easier

US PATENTS 6,591,719 - 6,776,072
US and Foreign patents pending

Locking Pliers

Automatic™ Locking Pliers, Curved Jaw



- Up to 7 times faster than standard locking pliers
- Patented self-adjusting locking mechanism
- One-handed release lever is easier to open
- Involute curved jaw allows tighter grip on objects
- Built-in wire cutter cuts up to a 1/4" bolt
- Nickel-plated finish resists rust and corrosion
- Compound action for powerful non-slip locking grip

Item No.	Model No.	UPC No.	Packaging	Length		Jaw Opening		Shelf Pack	Carton Pack
				Inch	mm	Inch	mm		
2060	10CJ	81310602060	PP Card	10"	250mm	1-7/8"	48mm	6	30
2061	8CJ	81310602061	PP Card	8"	200mm	1-5/8"	42mm	6	30
2062	6CJ	81310602062	PP Card	6"	150mm	1-1/4"	32mm	6	30

Automatic™ Locking Pliers, Straight Jaw



- Up to 7 times faster than standard locking pliers
- Patented self-adjusting locking mechanism
- One-handed release lever is easier to open
- Straight jaws allow for maximum contact in flat work
- Very popular in welding and other metal work
- Use for safer grinding or as a portable vice
- Compound action for powerful non-slip locking grip

Item No.	Model No.	UPC No.	Packaging	Length		Jaw Opening		Shelf Pack	Carton Pack
				Inch	mm	Inch	mm		
2059	10SJ	81310602059	PP Card	11"	250mm	1-7/8"	48mm	6	30
2002	8SJ	81310602002	PP Card	10"	200mm	1-5/8"	42mm	6	30

*Also available:

X-Treme Jaw, Large Jaw, Locking Sheet Metal Clamp, Locking Welding Clamp, Locking Chain Clamp, Locking C-Clamp with Regular Tips, Locking C-Clamps with Swivel Pads

Standard Locking Pliers & Clamps

C.F. Cooper standard locking pliers are made to an exacting standard that results in improved durability and long-term performance. They exceed stringent ASME standards B107.24 and B107.36, as applicable, for product specifications, including strength and maximum jaw opening capacity. Yet, as strong as they are, C.F. Cooper locking pliers still maintain the narrow profile required for work in tight and confined spaces.

These tools have hundreds of uses; such as an adjustable wrench, pipe wrench, clamp, pliers, wire cutter, and portable vice. Every style has a tough nickel-plated finish for maximum resistance to corrosion.

Locking Pliers, Curved Jaw with Wire Cutter



- Involute curved jaw allows tighter grip on objects
- Built-in wire cutter cuts up to a 1/4" bolt
- Maximum jaw opening per ASME specs
- Nickel-plated finish resists rust and corrosion
- Top quality design for superior performance
- Compound action for powerful non-slip locking grip
- Fully meets or exceeds U.S. federal specifications

Item No.	Model No.	UPC No.	Packaging	Length		Jaw Opening		Shelf Pack	Carton Pack
				Inch	mm	Inch	mm		
44410	10CJ	81310602045	Half Clam	10"	250mm	1-7/8"	48mm	6	30
50070	7CJ	08910950070	Half Clam	7"	175mm	1-5/8"	42mm	6	30

Locking Pliers, Straight Jaw



- Straight jaws allow for maximum contact in flat work
- Very popular in welding and other metal work
- Use for safer grinding or as a portable vice
- Nickel-plated finish resists rust and corrosion
- Maximum jaw opening per ASME specs
- Fully meets or exceeds U.S. federal specifications
- Top quality design for superior performance

Item No.	Model No.	UPC No.	Packaging	Length		Jaw Opening		Shelf Pack	Carton Pack
				Inch	mm	Inch	mm		
44411	10SJ	81310602046	Half Clam	10"	250mm	1-5/8"	41mm	6	30
44412	7SJ	81310602058	Half Clam	7"	175mm	1-1/8"	29mm	6	30

Locking Pliers, Long Nose with Wire Cutter



- Long, straight nose allows for use in narrow spaces
- Built-in wire cutter cuts up to a 1/4" bolt
- Maximum jaw opening per ASME specs
- Nickel-plated finish resists rust and corrosion
- Top quality design for superior performance
- Compound action for powerful non-slip locking grip
- Fully meets or exceeds U.S. federal specifications

Item No.	Model No.	UPC No.	Packaging	Length		Jaw Opening		Shelf Pack	Carton Pack
				Inch	mm	Inch	mm		
50090	9NN	08910950090	Half Clam	9"	225mm	2-7/8"	73mm	6	30
50091	6NN	08910950091	Half Clam	6"	150mm	2-1/4"	57mm	6	30

*Also available:

X-Treme Jaw, Large Jaw, Locking Sheet Metal Clamp, Locking Welding Clamp, Locking Chain Clamp, Locking C-Clamp with Regular Tips, Locking C-Clamps with Swivel Pads

Socket Wrench sets

C.F. Cooper Socket Wrench sets consists of Pozi-Lock™ sockets which offer better fit and reduces rounding of fasteners. Ratchet handles feature easy release function of sockets, and are constructed with 72 teeth which can turn 5° for those precision jobs. They also feature a comfortable grip which will minimize the stress on hand and is Chrome plated to enhance durability as well as resist corrosion. Sets are packed in an attractive blow molded box. Fully meets the stringent requirements of ASME standards

- 5° angle achieved on the ratcheting wrench thanks to the 72 teeth heavy duty head.
- Co-molded comfort grip for great ergonomics.
- Pozi-Lock™ sockets helps in better fit and reduces rounding of fasteners.
- High quality Mirror Chrome finishing for professional outlook as well as good resistance to rust.
- Attractive, heavy duty and practical blow mold box.
- Not intended for electrical / pneumatic power tools.

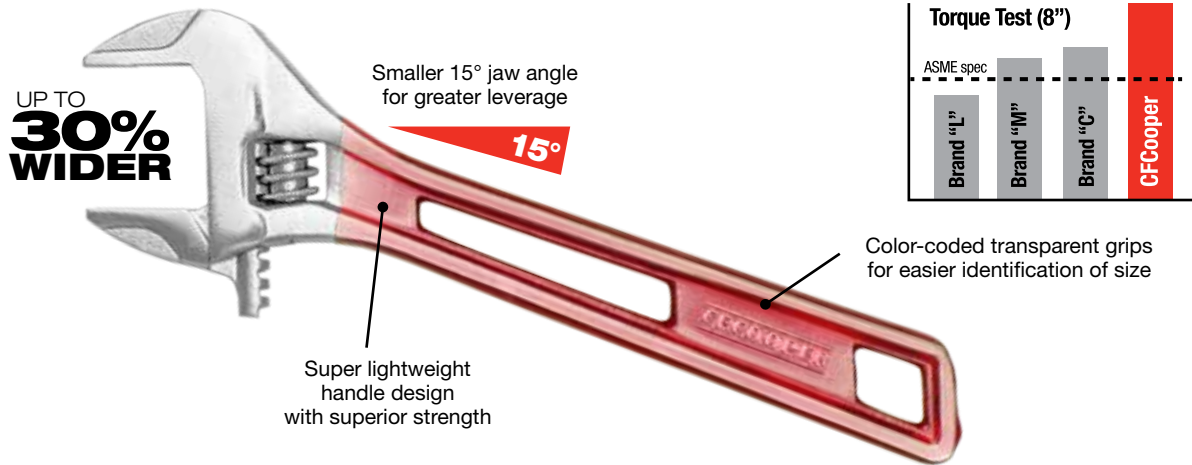


Socket wrenches

Item No.	Model No.	UPC No.	Pcs	Socket sizes mm	Accessories	Drive	Socket Points	Packing	Carton Pack
02058	CSS11	81310602058	11	9, 10, 11, 12, 14, 17, 19, 21, 24	Pear head ratchet handle Extension Bar 5"	1/2"	6	Blow mold box	4
02111	CSS25	81310602111	25	9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32	Pear head ratchet handle Extension Bars 5" & 10" Universal Joint, spark plug socket, Universal joint	1/2"	6	Blow mold box	2
02112	CSS26	81310602112	26	9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32	Pear head ratchet handle Extension Bars 5" & 10" Universal Joint, spark plug socket, Universal joint, Flex handle 15"	1/2"	6	Blow mold box	2
02113	CSS11B	81310602113	11	9, 10, 11, 12, 14, 17, 19, 21, 24	Pear head ratchet handle Extension Bar 5"	1/2"	12	Blow mold box	4
02114	CSS25B	81310602114	25	9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32	Pear head ratchet handle Extension Bars 5" & 10" Universal Joint, spark plug socket, Universal joint	1/2"	12	Blow mold box	2
02115	CSS26B	81310602115	26	9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32	Pear head ratchet handle Extension Bars 5" & 10" Universal Joint, spark plug socket, Universal joint, Flex handle 15"	1/2"	12	Blow mold box	2

Lightweight Adjustable Wrenches

CF Cooper lightweight adjustable wrenches are made of chrome vanadium steel to give extra strength and wear. Their handles feature a unique lightweight design which are 30% lighter without sacrificing any strength. In fact they have been tested to provide up to 50% more torque than standard adjustable wrenches. The jaw openings are up to 50% wider than standard wrenches. Each wrench is color-coded to denote its specific jaw opening.



Lightweight Adjustable Wrenches, Standard Length



- Up to 30% lighter than standard adjustable wrenches
- Up to 50% stronger than ASME torque specifications
- Patented jaw design prevents fastener damage
- Extra wide jaw capacity handles larger sized objects
- Forged from durable Chrome Vanadium steel
- Laser etched scale on jaw for greater accuracy
- Color-coded plastisol dipped handles for non-slip grip

Item No.	Model No.	Grip Color	Length		Jaw Capacity		Tool Weight		UPC No.	Packaging	Shelf Pack	Carton Pack
			Inch	mm	Inch	mm	oz	g				
704055	LA6	Red	6"	150mm	15/16"	24mm	4.0	114	08183428150	Blister Card	6	36
704056	LA8	Green	8"	200mm	1-1/4"	30mm	6.7	191	08183428200	Blister Card	6	36
704057	LA10	Blue	10"	250mm	1-7/16"	36mm	9.8	277	08183428250	Blister Card	6	36
704058	LA12	Yellow	12"	300mm	1-13/16"	46mm	17.3	490	08183428300	Blister Card	6	36

Standard-Duty Adjustable Wrenches

- Forged from durable Chrome Vanadium alloy tool steel
- Hot forged handle and jaw, fully heat treated
- Perfectly matched knurl and pawl for smooth action
- Chrome plated finish resists rust & peeling
- Meets ANSI jaw & torque specifications

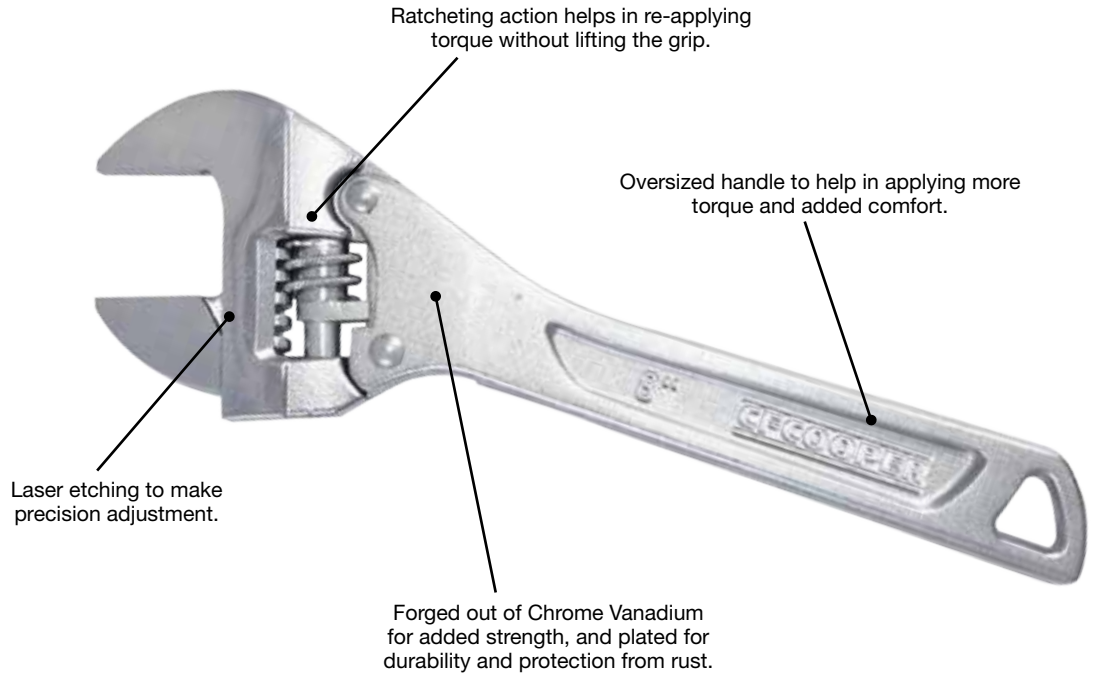


Item No.	Model No.	Length		Jaw Capacity		Tool Weight		UPC No.	Packaging	Shelf Pack	Carton Pack
		Inch	mm	Inch	mm	oz	g				
47101	CS4	4"	100mm	1/2"	13mm	2.1	60	08183426100	Half Clam	6	120
47151	CS6	6"	150mm	3/4"	20mm	4.9	140	08183426150	Half Clam	6	60
47201	CS8	8"	200mm	15/16"	24mm	8.8	250	08183426200	Half Clam	6	60
47251	CS10	10"	250mm	1-5/32"	29mm	13.8	390	08183426250	Half Clam	6	36
47301	CS12	12"	300mm	1-5/16"	34mm	21.5	610	08183426300	Half Clam	6	24
47351	CS15	15"	300mm	1-11/16"	43mm	45.2	1280	08183426375	Half Clam	3	12

Adj. Wrenches

Ratcheting Adjustable Wrenches

C.F. Cooper ratcheting adjustable wrench is designed to solve a fundamental problem of conventional adjustable wrenches; the need to release after each applied torque. This helps in saving up to 70% of time spent by professionals on the job!



- Removes nuts and bolts up to 70% faster than a conventional wrench.
- Tightens/loosens nuts without lifting up after each torque applied.
- Ratcheting action replaces the need for sockets sets and flat wrenches.
- A combination of ratchet and adjusting features.
- Swings without lifting up for greater ease of use in limited spaces.



Item No.	Model No.	Length		Jaw Capacity		Tool Weight		UPC No.	Packaging	Shelf Pack	Carton Pack
		Inch	mm	Inch	mm	oz	g				
47201	CS8	8"	200mm	15/16"	24mm	8.8	250	08183426200	Try me blister	6	60
47251	CS10	10"	250mm	1-5/32"	29mm	13.8	390	08183426250	Try me blister	6	36

Adj. Wrenches

Industrial Compound Action Pliers

CF Cooper Industrial compound action plier are all made from drop-forged 60 CrV alloy steel and are individually tested for strength and cutting ability. Cutting edges are induction hardened to 60 - 64 HRC. All pliers are finished with polished heads. The compound action increases the cutting pressure by 60%, and are 30% lighter. It reduces operator fatigue and speed up assembly line production.



Compound Action Combination (Lineman's) Pliers

- Designed for heavy-duty requirements
- Increases cutting pressure by 60%
- Induction hardened cutting edges for longer cutting life
- Heat treated joint rivets
- Co-molded handles for increased comfort
- NOT an insulated tool, do not use on live wires



Item No.	Model No.	UPC No.	Packaging	Length		Cutting capacity		Shelf Pack	Carton Pack
				Inch	mm	Steel	Copper		
02052	CACP7	81310602052	Blister Card	7"	180mm	1.8mm	2.4mm	6	36
02053	CACP8	81310602053	Blister Card	8"	200mm	2.2mm	2.6mm	6	36

Compound Action Diagonal Cutting Pliers

- Designed for heavy-duty requirements
- Increases cutting pressure by 60%
- Induction hardened cutting edges for longer cutting life
- Heat treated joint rivets
- Co-molded handles for increased comfort
- NOT an insulated tool, do not use on live wires



Item No.	Model No.	UPC No.	Packaging	Length		Cutting capacity		Shelf Pack	Carton Pack
				Inch	mm	Steel	Copper		
02054	CADP7	81310602054	Blister Card	7"	180mm	1.8mm	2.4mm	6	36
02055	CADP8	81310602055	Blister Card	8"	200mm	2.2mm	2.6mm	6	36

Compound Action Long Nosed Cutting Pliers

- Designed for heavy-duty requirements
- Increases cutting pressure by 60%
- Induction hardened cutting edges for longer cutting life
- Heat treated joint rivets
- Co-molded handles for increased comfort
- NOT an insulated tool, do not use on live wires



Item No.	Model No.	UPC No.	Packaging	Length		Cutting capacity		Shelf Pack	Carton Pack
				Inch	mm	Steel	Copper		
02056	CALN7	81310602056	Blister Card	7"	180mm	1.8mm	2.4mm	6	36
02057	CALN8	81310602057	Blister Card	8"	200mm	2.2mm	2.6mm	6	36

Long Nose Pliers - Molded Grips

- Designed for gripping and cutting wire
- Induction hardened cutting edges for longer cutting life
- Tapered nose for work in in confined areas
- Forged from heat-treated alloy tool steel for durability
- Co-molded dual color handles for increased comfort
- NOT an insulated tool, do not use on live wires



Item No.	Model No.	UPC No.	Packaging	Length		Steel Wire Cap.		Shelf Pack	Carton Pack
				Inch	mm	AWG	mm		
84131	6LN	8910984131	Blister Card	6"	150mm	14	1.6mm	6	60
84132	8LN	8910984132	Blister Card	8"	200mm	12	2.0mm	6	60

Diagonal Cutting Pliers - Molded Grips

- Designed for cutting wire in confined spaces
- Induction hardened cutting edges for longer cutting life
- Forged from heat-treated alloy tool steel for durability
- Co-molded dual color handles for increased comfort
- NOT an insulated tool, do not use on live wires



Item No.	Model No.	UPC No.	Packaging	Length		Steel Wire Cap.		Shelf Pack	Carton Pack
				Inch	mm	AWG	mm		
84127	6DC	8910984127	Blister Card	6"	150mm	13	1.8mm	6	60
84128	7DC	8910984128	Blister Card	7"	175mm	11	2.3mm	6	60

Linesman Pliers - Molded Grips

- Designed for general electrical work
- Tapered head design for work in confined areas
- Induction hardened cutting edges for longer cutting life
- Forged from heat-treated alloy tool steel for durability
- Co-molded dual color handles for increased comfort
- NOT an insulated tool, do not use on live wires



Item No.	Model No.	UPC No.	Packaging	Length		Steel Wire Cap.		Shelf Pack	Carton Pack
				Inch	mm	AWG	mm		
84135	7SC	8910984135	Blister Card	7"	175mm	12	2.0mm	6	60
84129	8SC	8910984129	Blister Card	8"	200mm	11	2.3mm	6	48

Groove Joint Pliers

- Precision-machined joint for smooth action
- Milled undercut grooves to ensure a positive interlock
- Long handles gives powerful leverage
- Forged and heat treated from high strength alloy steel
- Textured double dipped cushion grips for comfort



Item No.	Model No.	UPC No.	Packaging	Length		Jaw Capacity		Shelf Pack	Carton Pack
				Inch	mm	Inch	mm		
84134	8GJ	8910984134	Blister Card	8"	200mm	1-5/8"	40mm	6	60
84124	10GJ	8910984124	Blister Card	10"	250mm	2-1/4"	57mm	6	60
84121	12GJ	8910984121	Blister Card	12"	300mm	3"	76mm	6	36

Cutting Pliers

Measuring Tapes

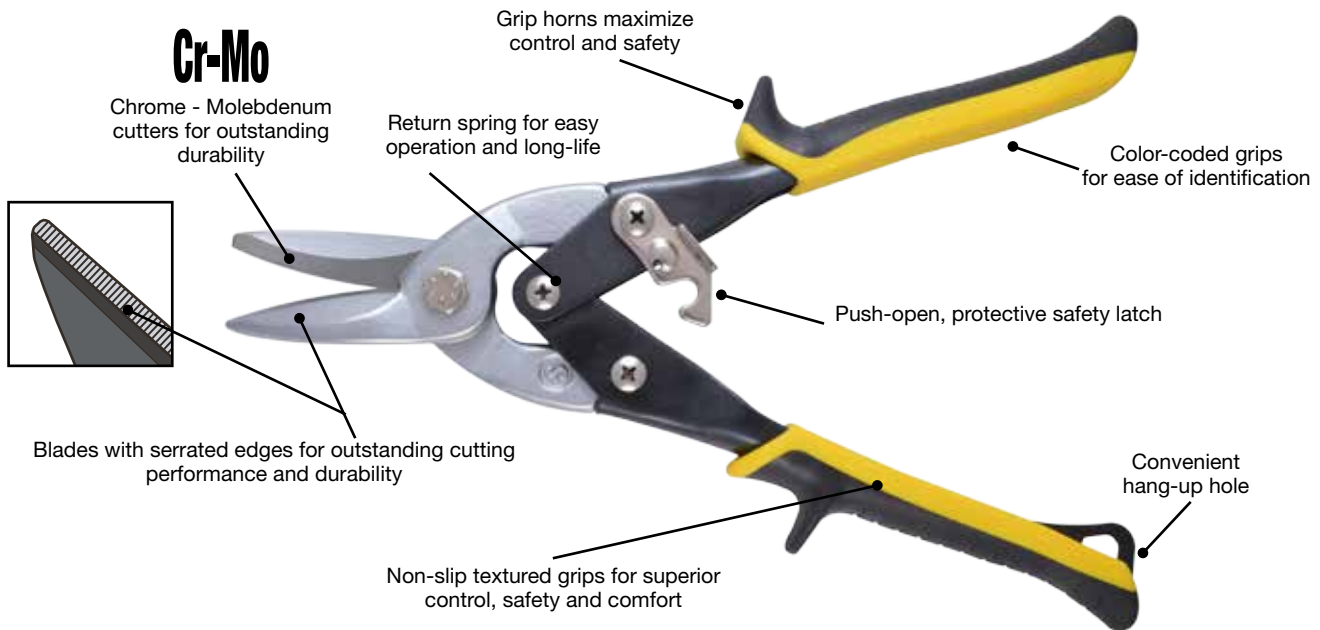
CF Cooper measuring tapes are certified European Class II accuracy for precise measurements.



- Certified European Class II accuracy
- Nylon coating for durability of the markings
- Ergonomic slide lock is designed for comfortable usage
- Unique metal plate for improved blade durability
- Bumper protects case from cuts and nicks during retraction

Item No.	Model No.	Blade Color	Length		Blade Width		Accuracy EU standards	UPC No.	Packaging	Shelf Pack	Carton Pack
			Feet	Meters	Inch	mm					
602047	310ME	Yellow	10'	3m	1/2"	13mm	Class II	81310602047	Try me blister	6	36
602048	516ME	Yellow	16'	5m	3/4"	18mm	Class II	81310602048	Try me blister	6	36
602049	826ME	Yellow	26'	8m	1"	25mm	Class II	81310602049	Try me blister	6	36

Aviation Snips



- Cuts straight, left or right in light stock
- Perfect for the tough jobs in the workshop
- Non-slip serrated jaw of tough molybdenum steel holds material firmly across blade edge
- Withstands strain of cutting heavy stock and tight curves

- Spring-action for fast, effortless feed
- Handle made of high tensile strength alloy steel exceeds hand power limit
- Handy hang-up hole
- Non-slip textured grips and self-opening safety latch

Item No.	Cutting Direction	Grip Color	Length Inch	Length mm	Cutting Length Inch	Cutting Length mm	Cutting Gauge	Capacity mm	UPC No.	Packaging	Shelf Pack	Carton Pack
02063	Right	Red	9-3/4"	248mm	1-3/8"	35mm	18	1.22mm	81310602063	Half blister	6	36
02064	Left	Green	9-3/4"	248mm	1-3/8"	35mm	18	1.22mm	81310602064	Half blister	6	36
02065	Straight	Yellow	9-3/4"	248mm	1-1/2"	38mm	18	1.22mm	81310602065	Half blister	6	36

Snips

Diamond Wheels - For Masonry



- For cutting masonry materials
- Segmented for wet & dry cutting
- Turbo for wet & dry cutting
- Continuous for wet cutting
- Hot pressed for longer durability
- Sold in clamshell packaging
- Also available in 7" (180mm)

Abrasives

Diameter Inch	Diameter mm	Rim Type	Blade Width	Rim Height	Arbor mm	Type of Cut	Cat. No.	UPC No.	Shelf Pack	Carton Pack
4"	105mm	Segmented	1.8mm	7.0mm	20mm	MAXCUT	03200	81310703200	1	50
4"	105mm	Turbo	1.2mm	7.0mm	20mm	MAXCUT	03201	81310703201	1	50
4"	105mm	Continuous	1.8mm	7.0mm	20mm	MAXCUT	03204	81310703204	1	50
4"	105mm	Segmented	1.8mm	7.0mm	20mm	ECOCUT	03202	81310703202	1	50
4"	105mm	Turbo	1.8mm	7.0mm	20mm	ECOCUT	03203	81310703203	1	50
4"	105mm	Continuous	1.8mm	7.0mm	20mm	ECOCUT	03205	81310703205	1	50

Flap Discs - For Stainless & Steel

- For use in angle grinders to quickly remove material
- Much faster than traditional grinding wheels
- Aluminum Oxide (black) abrasive for all-purpose use
- Zirconia Alumina (blue) abrasive for maximum durability
- Durable fiberglass backing plate absorbs vibration
- Available in either flat (Type 27) or angled (Type 29) shape
- Meets European and U.S. standards for coated abrasives
- Packed in attractive cardboard boxes



Diameter Inch	Diameter mm	Blade Grit	Arbor		Max. RPM	Aluminum Oxide (SG-A)		Zirconia Alumina (SG-Z)		Shelf Pack	Carton Pack
			Inch	mm		Type 27	Type 29	Type 27	Type 29		
4"	105mm	40	5/8"	16.0mm	15,300	90400	90500	90600	90700	10	100
4"	105mm	60	5/8"	16.0mm	15,300	90401	90501	90601	90701	10	100
4"	105mm	80	5/8"	16.0mm	15,300	90402	90502	90602	90702	10	100
4"	105mm	120	5/8"	16.0mm	15,300	90403	90503	90603	90703	10	100
7"	175mm	40	7/8"	22.0mm	8,600	90416	90516	90616	90716	10	50
7"	175mm	60	7/8"	22.0mm	8,600	90417	90517	90617	90717	10	50
7"	175mm	80	7/8"	22.0mm	8,600	90418	90518	90618	90718	10	50
7"	175mm	120	7/8"	22.0mm	8,600	90419	90519	90619	90719	10	50

Cut-Off & Grinding Wheels - For Stainless & Steel



- For use in angle grinders and chop saws
- Cuts hard metal materials including stainless steel
- Thin-kerf design for faster, more efficient cutting
- White aluminum oxide grit (WA46) for extreme cutting
- Reinforced with double-weave fiberglass mesh
- Specially treated grain combination for aggressive cutting & grinding
- Packed in durable and sealable plastic pails (1.2mm wheels)
- All other sizes packed in attractive cardboard boxes

Diameter		Application	Thickness		Arbor		Max. RPM	UPC No. 81310		Shelf Pack	Carton Pack
Inch	mm		Inch	mm	Inch	mm		Stainless	Metal		
4"	105mm	Cutting	0.040"	1.0mm	5/8"	16.0mm	15,250	704001	602082	25	400
4"	105mm	Cutting	0.079"	2.0mm	5/8"	16.0mm	15,250	602066	602083	25	400
4 1/2"	115mm	Cutting	0.040"	1.0mm	7/8"	22.2mm	13,800	704002	602084	25	400
4 1/2"	115mm	Cutting	0.079"	2.0mm	7/8"	22.2mm	13,800	602067	602085	25	400
4 1/2"	115mm	Cutting	0.118"	3.0mm	7/8"	22.2mm	13,800	602068	602086	25	400
5"	125mm	Cutting	0.047"	1.2mm	5/8"	16.0mm	12,200	602069	602087	25	400
6"	150mm	Cutting	0.047"	1.6mm	7/8"	22.0mm	10,200	602070	602088	25	300
6"	150mm	Cutting	0.079"	2.5mm	7/8"	22.0mm	10,200	602071	602089	25	300
7"	180mm	Cutting	0.063"	1.6mm	7/8"	22.0mm	8,500	602072	602090	25	200
7"	180mm	Cutting	0.098"	2.5mm	7/8"	22.0mm	8,500	602073	602091	25	200
12"	300mm	Cutting	0.118"	3.0mm	1"	25.4mm	6,300	602074	602092		25
14"	350mm	Cutting	0.118"	3.0mm	1"	25.4mm	5,400	704003	602093		25
16"	400mm	Cutting	0.118"	3.0mm	1"	25.4mm	4,400	602075	602094		25
4"	100mm	Grinding	0.236"	6.0mm	5/8"	16.0mm	15,250	602076	602095	10	100
4 1/2"	115mm	Grinding	0.236"	6.0mm	7/8"	22.2mm	13,800	602077	602096	10	100
5"	125mm	Grinding	0.236"	6.0mm	7/8"	22.2mm	12,200	602078	602097	10	100
6"	150mm	Grinding	0.236"	6.0mm	7/8"	22.0mm	10,200	602079	602098	10	100
7"	180mm	Grinding	0.236"	6.0mm	7/8"	22.0mm	8,500	602080	602099	10	100
9"	230mm	Grinding	0.236"	6.0mm	7/8"	22.0mm	6,700	602081	602100	10	100

* Additional sizes available upon request

Abrasives

Annular cutters - Carbide tipped



- For use on magnetic drills
- Universal shank
- Most efficient method of cutting holes in metals
- Also available in 35mm cutting depth
- Also available in full High Speed Steel body
- Guide pins available in 2 sizes
- Packed in individual boxes for protection

Model No.	Cat. No.	Diameter		Cutting Depth		Overall Length		Shank		UPC No.	Shelf Pack	Carton Pack
		Inch	mm	Inch	mm	Inch	mm	mm	type			
706201	AC1250CF		12 mm	2"	50 mm	3-3/4"	95 mm	19 mm	Universal	81310706201	1	50
706202	AC1350CF		13 mm	2"	50 mm	3-3/4"	95 mm	19 mm	Universal	81310706202	1	50
706203	AC1450CF	9/16"	14 mm	2"	50 mm	3-3/4"	95 mm	19 mm	Universal	81310706203	1	50
706204	AC1550CF		15 mm	2"	50 mm	3-3/4"	95 mm	19 mm	Universal	81310706204	1	50
706205	AC1650CF	5/8"	16 mm	2"	50 mm	3-3/4"	95 mm	19 mm	Universal	81310706205	1	50
706206	AC1750CF	11/16"	17 mm	2"	50 mm	3-3/4"	95 mm	19 mm	Universal	81310706206	1	50
706207	AC1850CF		18 mm	2"	50 mm	3-3/4"	95 mm	19 mm	Universal	81310706207	1	50
706208	AC1950CF	3/4"	19 mm	2"	50 mm	3-3/4"	95 mm	19 mm	Universal	81310706208	1	50
706209	AC2050CF		20 mm	2"	50 mm	3-3/4"	95 mm	19 mm	Universal	81310706209	1	50
706210	AC2150CF	13/16"	21 mm	2"	50 mm	3-3/4"	95 mm	19 mm	Universal	81310706210	1	50
706211	AC2250CF	7/8"	22 mm	2"	50 mm	3-3/4"	95 mm	19 mm	Universal	81310706211	1	50
706212	AC2350CF		23 mm	2"	50 mm	3-3/4"	95 mm	19 mm	Universal	81310706212	1	50
706213	AC2450CF	15/16"	24 mm	2"	50 mm	3-3/4"	95 mm	19 mm	Universal	81310706213	1	50
706214	AC2550CF	1"	25 mm	2"	50 mm	3-3/4"	95 mm	19 mm	Universal	81310706214	1	20
706215	AC2650CF		26 mm	2"	50 mm	3-3/4"	95 mm	19 mm	Universal	81310706215	1	20
706216	AC2750CF	1-1/16"	27 mm	2"	50 mm	3-3/4"	95 mm	19 mm	Universal	81310706216	1	20
706217	AC2850CF		28 mm	2"	50 mm	3-3/4"	95 mm	19 mm	Universal	81310706217	1	20
706218	AC2950CF	1-1/8"	29 mm	2"	50 mm	3-3/4"	95 mm	19 mm	Universal	81310706218	1	20
706219	AC3050CF	1-3/16"	30 mm	2"	50 mm	3-3/4"	95 mm	19 mm	Universal	81310706219	1	20
706220	AC3150CF		31 mm	2"	50 mm	3-3/4"	95 mm	19 mm	Universal	81310706220	1	20
706221	AC3250CF	1-1/4"	32 mm	2"	50 mm	3-3/4"	95 mm	19 mm	Universal	81310706221	1	20
706222	AC3350CF	1-5/16"	33 mm	2"	50 mm	3-3/4"	95 mm	19 mm	Universal	81310706222	1	20
706223	AC3450CF		34 mm	2"	50 mm	3-3/4"	95 mm	19 mm	Universal	81310706223	1	20
706224	AC3550CF	1-3/8"	35 mm	2"	50 mm	3-3/4"	95 mm	19 mm	Universal	81310706224	1	20
706225	AC3650CF		36 mm	2"	50 mm	3-3/4"	95 mm	19 mm	Universal	81310706225	1	20
706226	AC3750CF	1-7/16"	37 mm	2"	50 mm	3-3/4"	95 mm	19 mm	Universal	81310706226	1	20
706227	AC3850CF	1-1/2"	38 mm	2"	50 mm	3-3/4"	95 mm	19 mm	Universal	81310706227	1	20
706228	AC3950CF		39 mm	2"	50 mm	3-3/4"	95 mm	19 mm	Universal	81310706228	1	20
706229	AC4050CF	1-9/16"	40 mm	2"	50 mm	3-3/4"	95 mm	19 mm	Universal	81310706229	1	20
706230	AC4150CF	1-5/8"	41 mm	2"	50 mm	3-3/4"	95 mm	19 mm	Universal	81310706230	1	20
706231	AC4250CF		42 mm	2"	50 mm	3-3/4"	95 mm	19 mm	Universal	81310706231	1	20
706232	AC4350CF	1-11/16"	43 mm	2"	50 mm	3-3/4"	95 mm	19 mm	Universal	81310706232	1	20
706233	AC4450CF	1-3/4"	44 mm	2"	50 mm	3-3/4"	95 mm	19 mm	Universal	81310706233	1	20
706234	AC4550CF		45 mm	2"	50 mm	3-3/4"	95 mm	19 mm	Universal	81310706234	1	20
706235	AC4650CF	1-13/16"	46 mm	2"	50 mm	3-3/4"	95 mm	19 mm	Universal	81310706235	1	20
706236	AC4750CF		47 mm	2"	50 mm	3-3/4"	95 mm	19 mm	Universal	81310706236	1	20
706237	AC4850CF	1-7/8"	48 mm	2"	50 mm	3-3/4"	95 mm	19 mm	Universal	81310706237	1	20
706238	AC4950CF		49 mm	2"	50 mm	3-3/4"	95 mm	19 mm	Universal	81310706238	1	20
706239	AC5050CF		50 mm	2"	50 mm	3-3/4"	95 mm	19 mm	Universal	81310706239	1	20

Hacksaw Blades (Hand & Power) - Bi-Metal

- For cutting various metals including alloys and stainless steels
- Made of flexible spring steel back welded to HSS tooth line
- Lasts up to 10 times longer than carbon steel blades
- Cutting edges are vacuum heat treated to Rc 65-67
- Available in 14 & 32 TPI
- Also available: 14" and larger power Hacksaw Blades.



Model No.	Tooth Set	Cat. No.	Length Inch	Length mm	Teeth Per Inch	Width Inch	Width mm	Gauge Inch	Gauge mm	UPC No.	Shelf Pack	Carton Pack
C1218	Wavy	90001	12"	300mm	18 TPI	1/2"	12.7mm	.025"	0.65mm	81310602041	100	1,000
C1224	Wavy	90002	12"	300mm	24 TPI	1/2"	12.7mm	.025"	0.65mm	81310602042	100	1,000

Hand Hacksaw Blades - Care and Servicing

General Tooth Recommendations

14 Tooth: For cutting stock 1"/25.4mm or over in cross section. For soft materials where maximum chip clearance is needed.

18 Tooth: For general shop use, when blade is used on several jobs.

24 Tooth: For cross section 1/16" (1.58mm) - 1/4" (6.35mm) such as pipe, angles, small drill rod.

32 Tooth: To cut stock up to 1/16" (1.58mm) such as light tubing, sheet metal

Choose the Right Number of Teeth Per Inch

The coarseness of the teeth affects blade efficiency. Speed varies according to the material being cut and the saw blade coarseness.

Starting the Cut

If possible, avoid starting cuts on sharp corners. When unavoidable, begin with light pressure and use a steady forward stroke. As many teeth as possible should be in contact with the cutting area and at least three teeth must be engaged.

Rounded Teeth - Premature Wear

1. Blade not cutting. Use slower stroke and apply heavier feed.
2. Dragging on return stroke. Lift saw.
3. Material too hard. Select proper blade.

Tooth Breakage

1. Teeth too coarse. Keep three teeth in the work.
2. Too much feed, teeth loading. Ease feed pressure.
3. Teeth too fine, clogging. Change to coarser tooth.
4. Starting cut on sharp corner. Reposition work.

Blade Breakage

1. Lack of tension. Tighten until taught.
2. Too much tension. Loosen slightly.
3. Cutting in awkward position. Use flexible type blades.
4. Jamming in cut. Hold work securely - stock should fall free after cut. In soft material teeth may be binding because they are too fine.

Hand Saws

- For cutting all types of wood
- Ideal for cross cutting & ripping
- Premium wooden handle
- High performance Manganese based Alloy steel for optimum cutting performance
- Attractive re-usable sleeve to protect against rust & damage
- Sharp & steady blade for clean and straight cuts



Model No.	Tooth Set	Cat. No.	Length Inch	Length mm	Blade Material	Teeth Per Inch	Thickness mm	UPC No.	Shelf Pack	Carton Pack
704050	Double Ground	HS18W	18"	450mm	Alloy steel	7T	0.9mm	81310704050	6	60
704051	Double Ground	HS20W	20"	500mm	Alloy steel	7T	0.9mm	81310704051	6	60
704053	Double Ground	HS22W	22"	550mm	Alloy steel	7T	0.9mm	81310704053	6	60
704054	Double Ground	HS24W	24"	600mm	Alloy steel	7T	1.0mm	81310704054	6	60

Circular Saw Blades - For Wood



- For use in portable hand held circular saw machines and bench mounted machines
- Highest grade Carbide tips resists wear under extreme conditions and optimised for maximum durability
- Blade body made of finest alloy steels
- Expansion slots prevents blade wobble
- Precision finished to exacting standards
- Alternate tip bevel (ATB) grind for fast cutting in all types of timber
- Triple Chip Grind (TCG) for smooth cutting in Aluminum and other non ferrous metals
- Fits all popular saws with 25.4mm or 30mm arbors
- Packed in Clamshell for best display and rust resistance

Saws

Diameter		Teeth	Blade Width	Tip Width	Tip Grind	Arbor mm	Bushing mm	Cat. No.	UPC No.	Shelf Pack	Carton Pack
Inch	mm										
4"	110mm	30T	1.2mm	2.2mm	ATB	20mm	16mm	03573	81310703573	1	100
5"	125mm	30T	1.4mm	2.4mm	ATB	25.4mm	20mm	91125	726606911259	1	100
6"	150mm	20T	1.4mm	2.4mm	ATB	25.4mm	20mm	91149	726606911495	1	50
6"	150mm	24T	1.4mm	2.4mm	ATB	25.4mm	20mm	91150	726606911501	1	50
6"	150mm	30T	1.4mm	2.4mm	ATB	25.4mm	20mm	91151	726606911518	1	50
7"	180mm	16T	1.4mm	2.4mm	ATB	25.4mm	20mm	91178	726606911785	1	50
7"	180mm	20T	1.4mm	2.4mm	ATB	25.4mm	20mm	91179	726606911792	1	50
7"	180mm	24T	1.4mm	2.4mm	ATB	25.4mm	20mm	91180	726606911808	1	50
7"	180mm	40T	1.4mm	2.4mm	ATB	25.4mm	20mm	03574	81310703574	1	50
7¼"	184mm	40T	1.4mm	2.4mm	ATB	25.4mm	20mm	03229	81310703229	1	50
7¼"	184mm	60T	1.4mm	2.4mm	ATB	25.4mm	20mm	03230	81310703230	1	50
8"	200mm	24T	1.4mm	2.4mm	ATB	25.4mm	20mm	91198	726606911983	1	50
8"	200mm	30T	1.4mm	2.4mm	ATB	25.4mm	20mm	91199	726606911990	1	50
8"	200mm	40T	1.4mm	2.4mm	ATB	25.4mm	20mm	91200	726606912003	1	50
8"	200mm	60T	1.4mm	2.4mm	ATB	25.4mm	20mm	91201	726606912010	1	50
8"	200mm	80T	1.4mm	2.4mm	ATB	25.4mm	20mm	91202	726606912027	1	50
9"	230mm	20T	1.8mm	2.8mm	ATB	25.4mm	20mm	91227	726606912270	1	25
9"	230mm	24T	1.8mm	2.8mm	ATB	25.4mm	20mm	91228	726606912287	1	25
9"	230mm	30T	1.8mm	2.8mm	ATB	25.4mm	20mm	91229	726606912294	1	25
9"	230mm	40T	1.8mm	2.8mm	ATB	25.4mm	20mm	03575	81310703575	1	25
9"	230mm	60T	1.8mm	2.8mm	ATB	25.4mm	20mm	03231	81310703231	1	25
9"	230mm	80T	1.8mm	2.8mm	ATB	25.4mm	20mm	91232	726606912324	1	25

Circular Saw Blades - For Wood

Diameter		Teeth	Blade Width	Tip Width	Tip Grind	Arbor mm	Bushing mm	Cat. No.	UPC No.	Shelf Pack	Carton Pack
Inch	mm										
10"	254mm	24T	1.8mm	2.8mm	ATB	25.4mm	20mm	91252	726606912522	1	25
10"	254mm	30T	1.8mm	2.8mm	ATB	25.4mm	20mm	03232	81310703232	1	25
10"	254mm	40T	1.8mm	2.8mm	ATB	25.4mm	20mm	03233	81310703233	1	25
10"	254mm	60T	1.8mm	2.8mm	ATB	25.4mm	20mm	03234	81310703234	1	25
10"	254mm	80T	1.8mm	2.8mm	ATB	25.4mm	20mm	03235	81310703235	1	25
12"	305mm	24T	2.0mm	3.0mm	ATB	25.4mm	20mm	91303	726606913031	1	20
12"	305mm	30T	2.0mm	3.0mm	ATB	25.4mm	20mm	91304	726606913048	1	20
12"	305mm	40T	2.0mm	3.0mm	ATB	25.4mm	20mm	91305	726606913055	1	20
12"	305mm	60T	2.0mm	3.0mm	ATB	25.4mm	20mm	91306	726606913062	1	20
14"	355mm	24T	2.2mm	3.2mm	ATB	30mm	25.4mm	91353	726606913536	1	10
14"	355mm	30T	2.2mm	3.2mm	ATB	30mm	25.4mm	91354	726606913543	1	10
14"	355mm	40T	2.2mm	3.2mm	ATB	30mm	25.4mm	91355	726606913550	1	10
14"	355mm	60T	2.2mm	3.2mm	ATB	30mm	25.4mm	91356	726606913567	1	10
16"	405mm	20T	2.5mm	3.5mm	ATB	30mm	25.4mm	91361	726606913604	1	5
16"	405mm	40T	2.5mm	3.5mm	ATB	30mm	25.4mm	91364	726606913635	1	5
20"	510mm	24T	3.0mm	4.0mm	ATB	30mm	25.4mm	91371	726606913710	1	5
20"	510mm	30T	3.0mm	4.0mm	ATB	30mm	25.4mm	91372	726606913727	1	5
20"	510mm	40T	3.0mm	4.0mm	ATB	30mm	25.4mm	91373	726606913734	1	5
24"	610mm	24T	3.0mm	4.0mm	ATB	30mm	25.4mm	91375	726606913758	1	5
24"	610mm	40T	3.0mm	4.0mm	ATB	30mm	25.4mm	91377	726606913772	1	5

* Additional sizes available upon request

Circular Saw Blades - For Aluminum

Diameter		Teeth	Blade Width	Tip Width	Tip Grind	Arbor mm	Bushing mm	Cat. No.	UPC No.	Shelf Pack	Carton Pack
Inch	mm										
4"	110mm	28T	1.2mm	2.2mm	TCG	20mm	16mm	03576	81310703576	1	100
10"	254mm	100T	1.8mm	2.8mm	TCG	25.4mm	20mm	92255	72660692255	1	25
10"	254mm	120T	1.8mm	2.8mm	TCG	25.4mm	20mm	03577	81310703577	1	25
12"	305mm	100T	2.0mm	3.0mm	TCG	25.4mm	20mm	92306	72660692306	1	20
12"	305mm	120T	2.0mm	3.0mm	TCG	25.4mm	20mm	03578	81310703578	1	20
14"	355mm	100T	2.2mm	3.2mm	TCG	30mm	25.4mm	93356	72660692356	1	10
14"	355mm	120T	2.2mm	3.2mm	TCG	30mm	25.4mm	93357	72660692357	1	10

* Additional sizes available upon request

Hole Saws



- Most cost effective way for cutting holes in sheet metals
- Cutter made of finest High Speed Steel
- Titanium Nitride (TiN) coated for improved cutting performance & durability
- All saws come with a pilot drill
- Individually packaged
- Suitable for use on cordless and corded drills
- Black finish (FeO) available upon request

Diameter mm	Coating Type	Holesaw Material	Pilot Drill	Pilot Drill Shank	Cat. No.	UPC No.	Shelf Pack	Inner Carton	Outer Carton
16	TiN	HSS	Included	7.3mm	706242	81310706242	1	10	100
18	TiN	HSS	Included	7.3mm	706243	81310706243	1	10	100
18.5	TiN	HSS	Included	7.3mm	706244	81310706244	1	10	100
19	TiN	HSS	Included	7.3mm	706245	81310706245	1	10	100
19.5	TiN	HSS	Included	7.3mm	706246	81310706246	1	10	100
20	TiN	HSS	Included	7.3mm	706247	81310706247	1	10	100
20.5	TiN	HSS	Included	7.3mm	706248	81310706248	1	10	100
22	TiN	HSS	Included	7.3mm	706249	81310706249	1	10	100
22.5	TiN	HSS	Included	7.3mm	706250	81310706250	1	10	100
23	TiN	HSS	Included	7.3mm	706251	81310706251	1	10	100
24	TiN	HSS	Included	7.3mm	706252	81310706252	1	10	100
25	TiN	HSS	Included	7.3mm	706253	81310706253	1	10	100
25.5	TiN	HSS	Included	7.3mm	706254	81310706254	1	10	100
26	TiN	HSS	Included	7.3mm	706255	81310706255	1	10	100
28	TiN	HSS	Included	7.3mm	706256	81310706256	1	10	100
30	TiN	HSS	Included	7.3mm	706257	81310706257	1	10	100
32	TiN	HSS	Included	7.3mm	706258	81310706258	1	10	100
35	TiN	HSS	Included	7.3mm	706259	81310706259	1	10	100
38	TiN	HSS	Included	7.3mm	706260	81310706260	1	10	100
40	TiN	HSS	Included	7.3mm	706261	81310706261	1	10	100
42	TiN	HSS	Included	7.3mm	706262	81310706262	1	10	100
45	TiN	HSS	Included	7.3mm	706263	81310706263	1	10	100
48	TiN	HSS	Included	7.3mm	706264	81310706264	1	10	100
50	TiN	HSS	Included	7.3mm	706265	81310706265	1	10	100
53	TiN	HSS	Included	7.3mm	706266	81310706266	1	6	60
55	TiN	HSS	Included	7.3mm	706267	81310706267	1	6	60
60	TiN	HSS	Included	7.3mm	706268	81310706268	1	6	60
65	TiN	HSS	Included	7.3mm	706269	81310706269	1	6	60
70	TiN	HSS	Included	7.3mm	706270	81310706270	1	6	60
75	TiN	HSS	Included	7.3mm	706271	81310706271	1	6	60
80	TiN	HSS	Included	7.3mm	706272	81310706272	1	6	60
85	TiN	HSS	Included	7.3mm	706273	81310706273	1	6	60

* Additional sizes available upon request

Hammer Drill Bits



- For use in rotary hammer drills to drill concrete
- Unique diamond ground carbide tip for faster holes
- Extra hard, thicker, and more robust carbide tip
- Ground flutes helps remove material faster
- Professional surface treatment finish resists corrosion
- Packed in reusable tubes for easy storage



Diameter mm	Inch	Working Length	Overall Length	Shank	Item No.	UPC No.	Packaging	Shelf Pack	Carton Pack
4.0mm		50mm	110mm	SDS+	C40110	81310702001	Plastic Tube	10	250
5.0mm	3/16"	50mm	110mm	SDS+	C50110	81310702002	Plastic Tube	10	250
5.0mm	3/16"	100mm	160mm	SDS+	C50160	81310702003	Plastic Tube	10	200
5.5mm		50mm	110mm	SDS+	C55110	81310702084	Plastic Tube	10	250
5.5mm		100mm	160mm	SDS+	C55160	81310702085	Plastic Tube	10	200
6.0mm		50mm	110mm	SDS+	C60110	81310702004	Plastic Tube	10	250
6.0mm		100mm	160mm	SDS+	C60160	81310702005	Plastic Tube	10	200
6.0mm		150mm	210mm	SDS+	C60210	81310702006	Plastic Tube	10	200
6.5mm	1/4"	50mm	110mm	SDS+	C65110	81310702086	Plastic Tube	10	200
6.5mm	1/4"	100mm	160mm	SDS+	C65160	81310702087	Plastic Tube	10	200
7.0mm		50mm	110mm	SDS+	C70110	81310702007	Plastic Tube	10	250
7.0mm		100mm	160mm	SDS+	C70160	81310702008	Plastic Tube	10	200
8.0mm	5/16"	50mm	110mm	SDS+	C80110	81310702009	Plastic Tube	10	250
8.0mm	5/16"	100mm	160mm	SDS+	C80160	81310702010	Plastic Tube	10	200
8.0mm	5/16"	150mm	210mm	SDS+	C80210	81310702011	Plastic Tube	10	200
8.0mm	5/16"	240mm	300mm	SDS+	C80310	81310702012	Plastic Tube	10	100
8.0mm	5/16"	290mm	350mm	SDS+	C80350	81310702013	Plastic Tube	10	50
9.0mm		100mm	160mm	SDS+	C90160	81310702014	Plastic Tube	10	200
9.0mm		150mm	210mm	SDS+	C90210	81310702015	Plastic Tube	10	200
10.0mm		50mm	110mm	SDS+	C100110	81310702016	Plastic Tube	10	250
10.0mm		100mm	160mm	SDS+	C100160	81310702017	Plastic Tube	10	200
10.0mm		150mm	210mm	SDS+	C100210	81310702018	Plastic Tube	10	200
10.0mm		240mm	310mm	SDS+	C100310	81310702019	Plastic Tube	10	100
10.0mm		290mm	350mm	SDS+	C100350	81310702020	Plastic Tube	10	50
10.0mm		400mm	460mm	SDS+	C100460	81310702021	Plastic Tube	10	40
10.0mm		540mm	600mm	SDS+	C100600	81310702022	Plastic Tube	10	40
11.0mm	7/16"	100mm	160mm	SDS+	C110160	81310702023	Plastic Tube	10	200
11.0mm	7/16"	250mm	310mm	SDS+	C110310	81310702024	Plastic Tube	10	100
12.0mm		100mm	160mm	SDS+	C120160	81310702025	Plastic Tube	10	200
12.0mm		150mm	210mm	SDS+	C120210	81310702026	Plastic Tube	10	200
12.0mm		240mm	310mm	SDS+	C120310	81310702027	Plastic Tube	10	100
12.0mm		290mm	350mm	SDS+	C120350	81310702028	Plastic Tube	10	50
12.0mm		400mm	460mm	SDS+	C120460	81310702029	Plastic Tube	10	40
12.0mm		540mm	600mm	SDS+	C120600	81310702030	Plastic Tube	10	40
12.0mm		940mm	1000mm	SDS+	C1201000	81310702031	Plastic Tube	-	20

Drill Bits

Hammer Drill Bits

Diameter		Working Length	Overall Length	Shank	Item No.	UPC No.	Packaging	Shelf Pack	Carton Pack
mm	Inch								
13.0mm	1/2"	100mm	160mm	SDS+	C130160	81310702032	Plastic Tube	10	100
13.0mm	1/2"	150mm	210mm	SDS+	C130210	81310702033	Plastic Tube	10	100
13.0mm	1/2"	200mm	260mm	SDS+	C130260	81310702034	Plastic Tube	10	100
13.0mm	1/2"	250mm	300mm	SDS+	C130310	81310702035	Plastic Tube	10	60
13.0mm	1/2"	290mm	350mm	SDS+	C130350	81310702036	Plastic Tube	10	50
13.0mm	1/2"	350mm	410mm	SDS+	C130460	81310702037	Plastic Tube	10	40
13.0mm	1/2"	540mm	600mm	SDS+	C130600	81310702038	Plastic Tube	10	20
13.0mm	1/2"	940mm	1000mm	SDS+	C1301000	81310702039	Plastic Tube	\	20
14.0mm	9/16"	100mm	160mm	SDS+	C140160	81310702040	Plastic Tube	10	100
14.0mm	9/16"	150mm	210mm	SDS+	C140210	81310702041	Plastic Tube	10	100
14.0mm	9/16"	200mm	260mm	SDS+	C140260	81310702042	Plastic Tube	10	100
14.0mm	9/16"	250mm	310mm	SDS+	C140310	81310702043	Plastic Tube	10	60
14.0mm	9/16"	290mm	350mm	SDS+	C140350	81310702044	Plastic Tube	10	50
14.0mm	9/16"	400mm	460mm	SDS+	C140460	81310702045	Plastic Tube	10	40
14.0mm	9/16"	540mm	600mm	SDS+	C140600	81310702046	Plastic Tube	10	20
15.0mm		100mm	160mm	SDS+	C150160	81310702047	Plastic Tube	10	100
15.0mm		250mm	310mm	SDS+	C150310	81310702048	Plastic Tube	10	60
16.0mm	5/8"	100mm	160mm	SDS+	C160160	81310702049	Plastic Tube	10	100
16.0mm	5/8"	150mm	210mm	SDS+	C160210	81310702050	Plastic Tube	10	100
16.0mm	5/8"	250mm	310mm	SDS+	C160310	81310702051	Plastic Tube	10	60
16.0mm	5/8"	290mm	350mm	SDS+	C160350	81310702052	Plastic Tube	10	40
16.0mm	5/8"	400mm	460mm	SDS+	C160460	81310702053	Plastic Tube	10	40
16.0mm	5/8"	540mm	600mm	SDS+	C160600	81310702054	Plastic Tube	10	20
17.0mm		100mm	160mm	SDS+	C170160	81310702055	Plastic Tube	10	100
17.0mm		150mm	210mm	SDS+	C170210	81310702056	Plastic Tube	4	40
17.0mm		250mm	310mm	SDS+	C170310	81310702057	Plastic Tube	4	40
18.0mm	11/16"	150mm	210mm	SDS+	C180210	81310702058	Plastic Tube	4	40
18.0mm	11/16"	200mm	260mm	SDS+	C180260	81310702082	Plastic Tube	4	40
18.0mm	11/16"	250mm	310mm	SDS+	C180310	81310702059	Plastic Tube	4	40
18.0mm	11/16"	290mm	350mm	SDS+	C180350	81310702060	Plastic Tube	4	20
18.0mm	11/16"	400mm	460mm	SDS+	C180460	81310702061	Plastic Tube	4	20
19.0mm	3/4"	150mm	210mm	SDS+	C190210	81310702062	Plastic Tube	4	40
19.0mm	3/4"	250mm	310mm	SDS+	C190310	81310702063	Plastic Tube	4	40
19.0mm	3/4"	290mm	350mm	SDS+	C190350	81310702064	Plastic Tube	4	20
19.0mm	3/4"	400mm	460mm	SDS+	C190460	81310702065	Plastic Tube	4	20
20.0mm	13/16"	150mm	210mm	SDS+	C200210	81310702066	Plastic Tube	4	40
20.0mm	13/16"	200mm	260mm	SDS+	C200260	81310702083	Plastic Tube	4	40
20.0mm	13/16"	250mm	310mm	SDS+	C200310	81310702067	Plastic Tube	4	40
20.0mm	13/16"	290mm	350mm	SDS+	C200350	81310702068	Plastic Tube	4	20
20.0mm	13/16"	400mm	460mm	SDS+	C200460	81310702069	Plastic Tube	4	20
20.0mm	13/16"	400mm	460mm	SDS+	C200460	81310702069	Plastic Tube	4	20
20.0mm	13/16"	400mm	460mm	SDS+	C200460	81310702069	Plastic Tube	4	20
20.0mm	13/16"	400mm	460mm	SDS+	C200460	81310702069	Plastic Tube	4	20
20.0mm	13/16"	400mm	460mm	SDS+	C200460	81310702069	Plastic Tube	4	20
20.0mm	13/16"	400mm	460mm	SDS+	C200460	81310702069	Plastic Tube	4	20
20.0mm	13/16"	400mm	460mm	SDS+	C200460	81310702069	Plastic Tube	4	20
20.0mm	13/16"	400mm	460mm	SDS+	C200460	81310702069	Plastic Tube	4	20
20.0mm	13/16"	400mm	460mm	SDS+	C200460	81310702069	Plastic Tube	4	20
20.0mm	13/16"	400mm	460mm	SDS+	C200460	81310702069	Plastic Tube	4	20
20.0mm	13/16"	400mm	460mm	SDS+	C200460	81310702069	Plastic Tube	4	20
20.0mm	13/16"	400mm	460mm	SDS+	C200460	81310702069	Plastic Tube	4	20

Hammer Drill Bits

Diameter		Working Length	Overall Length	Shank	Item No.	UPC No.	Packaging	Shelf Pack	Carton Pack
mm	Inch								
25.0mm	1"	290mm	350mm	SDS+	C250350	81310702076	Plastic Tube	2	20
25.0mm	1"	400mm	460mm	SDS+	C250460	81310702077	Plastic Tube	2	20
28.0mm		290mm	350mm	SDS+	C280350	81310702078	Plastic Tube	2	20
30.0mm		290mm	350mm	SDS+	C300350	81310702079	Plastic Tube	2	20
32.0mm		290mm	350mm	SDS+	C320350	81310702080	Plastic Tube	2	20
35.0mm		290mm	350mm	SDS+	C350350	81310702081	Plastic Tube	2	20

* Additional sizes available upon request

Demolition Chisels

- For use in electrical demolition tools with percussion
- Treated high tensile body for better durability
- Available in SDS+, SDS Max & Hex shanks
- Packed in individual hang tags
- Shrink wrapped to protect against corrosion



Diameter	Shape	Width	Length	Shank	Item No.	UPC No.	Packaging	Shelf Pack	Carton Pack
14mm	Pointed		250mm	SDS+	CCP14250	81310703050	Hang tag	1	100
14mm	Flat	20mm	250mm	SDS+	CCF14252	81310703051	Hang tag	1	100
17mm	Pointed		280mm	Hex17	CCP17280	81310703052	Hang tag	1	50
18mm	Pointed		280mm	SDS Max	CCM18280	81310703053	Hang tag	1	50
18mm	Flat	25mm	280mm	SDS Max	CCM18282	81310703054	Hang tag	1	50
18mm	Pointed		400mm	SDS Max	CCM18400	81310703055	Hang tag	1	25
18mm	Flat	25mm	400mm	SDS Max	CCM18402	81310703056	Hang tag	1	25
18mm	Pointed		600mm	SDS Max	CCM18600	81310703057	Hang tag	1	20
18mm	Flat	25mm	600mm	SDS Max	CCM18602	81310703058	Hang tag	1	20

* Additional sizes available upon request

Masonry Drill Bits



- For drilling hard masonry materials
- Unique diamond ground carbide tip for faster holes
- Extra hard, thicker, and more robust carbide tip
- Ground flutes helps remove material faster
- Professional surface treatment finish resists corrosion
- Packed in reusable tubes for easy storage



Diameter mm	Diameter Inch	Working Length	Overall Length	Shank	Item No.	UPC No.	Packaging	Shelf Pack	Carton Pack
3.0mm	1/8"	40mm	70mm	CYL	CM3070	81310703001	Plastic Tube	10	250
4.0mm		45mm	80mm	CYL	CM4080	81310703003	Plastic Tube	10	250
5.0mm	3/16"	50mm	90mm	CYL	CM5090	81310703005	Plastic Tube	10	200
5.5mm		55mm	95mm	CYL	CM5595	81310703006	Plastic Tube	10	200
6.0mm		60mm	100mm	CYL	CM60100	81310703007	Plastic Tube	10	200
6.5mm	1/4"	65mm	105mm	CYL	CM65105	81310703008	Plastic Tube	10	250
7.0mm		65mm	110mm	CYL	CM70110	81310703009	Plastic Tube	10	250
8.0mm	5/16"	70mm	120mm	CYL	CM80120	81310703011	Plastic Tube	10	250
9.0mm		80mm	130mm	CYL	CM90130	81310703013	Plastic Tube	10	200
9.5mm	3/8"	85mm	135mm	CYL	CM95135	81310703014	Plastic Tube	10	200
10.0mm		90mm	140mm	CYL	CM100140	81310703015	Plastic Tube	10	200
11.0mm	7/16"	95mm	160mm	CYL	CM110160	81310703016	Plastic Tube	10	200
12.0mm		95mm	160mm	CYL	CM120160	81310703017	Plastic Tube	10	200
12.7mm		95mm	160mm	CYL	CM127160	81310703018	Plastic Tube	10	100
13.0mm	1/2"	95mm	160mm	CYL	CM130160	81310703019	Plastic Tube	10	100
14.0mm	9/16"	95mm	160mm	CYL	CM140160	81310703020	Plastic Tube	10	100
15.0mm		95mm	160mm	CYL	CM150160	81310703021	Plastic Tube	10	100
16.0mm	5/8"	95mm	160mm	CYL	CM160160	81310703022	Plastic Tube	10	100

* Additional sizes available upon request

HSS Cobalt Jobber Drills - Fractional



- 135° split point begins drilling immediately minimizing bit “walk”
- HSS Cobalt (M35) material.
- Super tough material, suitable for tough industrial jobs
- Amber finish
- Conforms to ANSI B91-11 (Imperial drills)
- Conforms to DIN 338 (Metric drills)
- Jobber length
- Ideal for production work or repetitive drilling
- Best choice for drilling in Stainless steel
- Packed in reusable plastic tubes for easy storage

Drill bit Diameter (inch)	Cat. No.	UPC No.	Shelf Pack	Carton Pack
1/64"	HC0164	81310703585	10	500
1/32"	HC0132	81310703586	10	500
3/64"	HC0364	81310703587	10	500
1/16"	HC0116	81310703556	10	500
5/64"	HC0564	81310703557	10	500
3/32"	HC0332	81310703558	10	500
7/64"	HC0764	81310703559	10	500
1/8"	HC0018	81310703560	10	500
9/64"	HC0964	81310703561	10	500
5/32"	HC0532	81310703562	10	500
11/64"	HC1164	81310703563	10	500
3/16"	HC0316	81310703564	10	500
13/64"	HC0732	81310703565	10	500
7/32"	HC1564	81310703566	10	500
15/64"	HC0014	81310703567	10	500
1/4"	HC1764	81310703568	10	500
17/64"	HC932	81310703579	10	500
9/32"	HC1964	81310703580	10	500
19/64"	HC0516	81310703569	10	500
5/16"	HC1132	81310703581	10	500
21/64"	HC2364	81310703582	10	500
11/32"	HC0038	81310703570	10	500
23/64"	HC2564	81310703583	10	500
3/8"	HC0716	81310703571	10	500
7/16"	HC1532	81310703584	5	250
1/2"	HC0012	81310703572	5	250
17/32"	HC1732	81310703588	5	250
9/16"	HC0916	81310703589	5	250
5/8"	HC0058	81310703590	5	250
11/16"	HC1116	81310703591	5	250
13pc set 1/16"-1/4"	HC13PCI	81310703592	1	20
21pc set 1/16"-3/8"	HC21PCI	81310703593	1	20
29pc set 1/16"-1/2"	HC29PCI	81310703594	1	20

* Additional sizes available upon request

8X
Longer
Lasting
**HSS
Cobalt**

10X
Faster
Starts
**135° Split
Point Tip**



Drill Bits

8X
Longer
Lasting
HSS
Cobalt

10X
Faster
Starts
135° Split
Point Tip

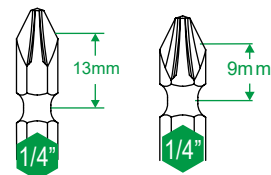


HSS Cobalt Jobber Drills - Metric

Drill bit Diameter (mm)	Cat. No.	UPC No.	Shelf Pack	Carton Pack
1.0mm	HCM010	81310703595	10	500
1.5mm	HCM015	81310703596	10	500
2.0mm	HCM020	81310703597	10	500
2.5mm	HCM025	81310703598	10	500
3.0mm	HCM030	81310703599	10	500
3.5mm	HCM035	81310703600	10	500
4.0mm	HCM040	81310703601	10	500
4.5mm	HCM045	81310703602	10	500
5.0mm	HCM050	81310703603	10	500
5.5mm	HCM055	81310703604	10	500
6.0mm	HCM060	81310703605	10	500
6.5mm	HCM065	81310703606	10	500
7.0mm	HCM070	81310703607	10	500
7.5mm	HCM075	81310703608	10	500
8.0mm	HCM080	81310703609	10	500
8.5mm	HCM085	81310703610	10	500
9.0mm	HCM090	81310703611	10	500
9.5mm	HCM095	81310703612	10	500
10.0mm	HCM100	81310703613	10	500
10.5mm	HCM105	81310703614	10	500
11.0mm	HCM110	81310703615	5	250
11.5mm	HCM115	81310703616	5	250
12.0mm	HCM120	81310703617	5	250
12.5mm	HCM125	81310703618	5	250
13.0mm	HCM130	81310703619	5	250
14.0mm	HCM140	81310703620	5	250
15.0mm	HCM150	81310703621	5	250
19pc set 1.0mm-10.0mm	HCM19PC	81310703622	1	20
25pc set 1.0mm-13.0mm	HCM25PC	81310703623	1	20

* Additional sizes available upon request

Industrial Driver Bits



PHILLIPS

- Designed with Phillips ACR® II tips; helps deduce camout and slippage of the driver bits during application
- Torsion drive bits for Maximum durability - increases life by 100%
- Available in short groove (9mm) and long groove (13mm) power
- Packed in attractive and easy to use plastic boxes of 10pcs each or blister packs of 5pcs each
- Double ender bits
- Made with S2 industrial steel for outstanding durability

Type	Size	Groove	Length	Item No.	UPC No.	Packaging	Shelf Pack	Carton Pack
Phillips	1+1	9mm	65mm	P911065	81310602050	Plastic box	10	100
Phillips	2+2	9mm	65mm	P922065	81310602051	Plastic box	10	100
Phillips	3+3	9mm	65mm	P933065	81310602101	Plastic box	10	100
Phillips	1+1	9mm	110mm	P911110	81310602102	Plastic box	10	100
Phillips	2+2	9mm	110mm	P922110	81310602103	Plastic box	10	100
Phillips	3+3	9mm	110mm	P933110	81310602104	Plastic box	10	100
Phillips	1+1	13mm	65mm	P311065	81310602105	Plastic box	10	100
Phillips	2+2	13mm	65mm	P322065	81310602106	Plastic box	10	100
Phillips	3+3	13mm	65mm	P333065	81310602107	Plastic box	10	100
Phillips	1+1	13mm	110mm	P311110	81310602108	Plastic box	10	100
Phillips	2+2	13mm	110mm	P322110	81310602109	Plastic box	10	100
Phillips	3+3	13mm	110mm	P333110	81310602110	Plastic box	10	100

* Additional sizes available upon request

* Phillips ACR® II is a registered trademark of Phillips Screw Co.

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