





Crescent®

BRAND

- Wrenches
- Pliers
- Screwdrivers
- Nutdrivers

The Crescent® brand adjustable wrench, celebrating its 100th Anniversary in 2007, is the flagship product of the brand. A true American icon, it is prized by tradesmen and homeowners alike for its utility and durability. Today, the Crescent brand can be found on many other high quality tools, including tongue and groove pliers and locking pliers.

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Special features on Crescent® products

Standard products detailed in catalog with these suffixes are available.
Only order listed combinations.

- C – Cushion grip for comfort
- E – Full flush cutting edges for diagonal cutting pliers only
- I – Crestex grip
- K – Semi-flush cutting edges for diagonals
- P – Plain jaws smooth
- S – Pliers, coil spring between handles
- T – Tenite molded grips
- G – Semi-flush cutting edge for diagonal cutting pliers or end cutting nippers
- V – Carded product

C–Cushion grip

A rough textured flat finish is dipped and baked on at factory for extra comfort and slip resistance. Red color aids locating lost tools.

I–Crestex grip

A hard, tough, long wearing material resistant to oils, gasoline and solvents.

T–Tenite molded grip

Slip-on grips provide maximum hold with minimum slippage because of molded-in serrations. These safety yellow handles are made of a long-life, hard, tough material.

V–Crescent packaging

Certain tools are available in a special, vacuum packed hanging display package as indicated by “V” suffix. Otherwise tools are boxed. For example, AC14V is carded; AC14 is not carded.

Crescent® Brand Adjustable Wrenches

World famous Crescent® brand adjustable wrench. These wrenches are made of fine alloy steel to give extra strength and wear. Used by professional mechanics, industrial tradesmen and home mechanics. Dimensions are proportioned for greatest strength with minimum weight. A tension spring under knurl helps prevent jaw opening from changing adjustment. An open handle design permits easier knurl adjustment. Handle made of forged alloy steel and heat treated for toughness and durability. Plated or black oxide finishes are available as indicated.

Plated Finish

- World famous Crescent® brand
- For professional, industrial or home use
- Wide capacity jaw (sizes 6-12) allows each tool to work with more fastener sizes
- Wider handle (sizes 6-12) provides more comfort and less stress to the hand
- Tension spring stabilizes jaw and knurl adjusts easily
- Alloy steel and heat treated
- Proportioned dimensions for greatest strength and minimum weight
- Plated finish resists rust and corrosion
- Polished head and regular, satin finished handle



Cat No.	UPC No.	Packed	Length		Inch		Tool weight		Shelf Pack
			Inch	mm	Inch	mm	oz	g	
AC14	037103461681	Boxed	4	100	1/2	13	2.16	61	6
AC14BK	037103001993	Case	4	100	1/2	13	2.16	61	144
AC14V	037103461698	Carded	4	100	1/2	13	2.16	61	6
AC16	037103461803	Boxed	6	150	15/16	24	5.00	142	6
AC16BK	037103002013	Case	6	150	15/16	24	5.00	142	144
AC16V	037103461810	Carded	6	150	15/16	24	5.00	142	6
AC18	037103461933	Boxed	8	200	1 1/8	29	9.01	255	6
AC18BK	037103002037	Case	8	200	1 1/8	29	9.01	255	72
AC18V	037103461940	Carded	8	200	1 1/8	29	9.01	255	6
AC110	037103463036	Boxed	10	250	1 5/16	33	16.06	455	6
AC110BK	037103003249	Case	10	250	1 5/16	33	16.06	455	48
AC110V	037103463043	Carded	10	250	1 5/16	33	16.06	455	6
AC112	037103463166	Boxed	12	300	1 1/2	38	25.97	736	6
AC112BK	037103003256	Case	12	300	1 1/2	38	25.97	736	30
AC112V	037103463173	Carded	12	300	1 1/2	38	25.97	736	3

Tapered Handle, Plated Finish

- World famous Crescent® brand
- For professional, industrial or home use
- Tension spring stabilizes jaw and knurl adjusts easily
- Alloy steel and heat treated
- Proportioned dimensions for greatest strength and minimum weight
- Plated finish resists rust and corrosion
- Tapered, satin finished handle for better two-hand grip and less weight




Cat No.	UPC No.	Packed	Length		Inch		Tool weight		Shelf Pack
			Inch	mm	Inch	mm	oz	g	
AC115	037103463296	Boxed	15	380	1 11/16	43	52.32	1483	1
AC118	037103463357	Boxed	18	460	2 1/16	52	81.44	2309	1
AC124	037103463418	Boxed	24	610	2 7/16	62	140.80	3992	1

Cushion Grip, Plated Finish



- World famous Crescent® brand
- For professional, industrial or home use
- Wide capacity jaw (sizes 6-12) allows each tool to work with more fastener sizes
- Wider handle (sizes 6-12) provides more comfort and less stress to the hand
- Tension spring stabilizes jaw and knurl adjusts easily
- Alloy steel and heat treated
- Proportioned dimensions for greatest strength and minimum weight
- Plated finish resists rust and corrosion
- Polished head and red non-slip cushion grip
- **AC115C** features tapered handle


Cat No.	UPC No.	Packed	Length			Inch	mm	Tool weight		Shelf Pack
			Inch	mm				oz	g	
AC14C	037103461704	Boxed	4	100		1/2	13	2.16	61	6
AC14CV	037103461711	Carded	4	100		1/2	13	2.16	61	6
AC16C	037103461827	Boxed	6	150		15/16	24	5.00	142	6
AC16CV	037103461834	Carded	6	150		15/16	24	5.00	142	6
AC18C	037103461957	Boxed	8	200		1 1/8	29	9.01	255	6
AC18CV	037103461964	Carded	8	200		1 1/8	29	9.01	255	6
AC110C	037103463050	Boxed	10	250		1 5/16	33	16.06	455	6
AC110CV	037103463067	Carded	10	250		1 5/16	33	16.06	455	6
AC112C	037103463180	Boxed	12	300		1 1/2	38	25.97	736	6
AC112CV	037103463197	Carded	12	300		1 1/2	38	25.97	736	6
AC115C	037103470034	Boxed	15	380		1 11/16	43	52.32	1483	1

Note: **AC115C** features tapered handle.

Black Oxide Finish




- World famous Crescent® brand
- For professional, industrial or home use
- Wide capacity jaw (sizes 6-12) allows each tool to work with more fastener sizes
- Wider handle (sizes 6-12) provides more comfort and less stress to the hand
- Tension spring stabilizes jaw and knurl adjusts easily
- Alloy steel and heat treated
- Proportioned dimensions for greatest strength and minimum weight
- Black oxide finish resists corrosion
- Polished head and regular handle, non-slip grip

Cat No.	UPC No.	Packed	Length			Inch	mm	Tool weight		Shelf Pack
			Inch	mm				oz	g	
AT14	037103461759	Boxed	4	100		1/2	13	2.16	61	6
AT14BK	037103006257	Case	4	100		1/2	13	2.16	61	144
AT14V	037103461766	Carded	4	100		1/2	13	2.16	61	6
AT16	037103461872	Boxed	6	150		15/16	24	5.00	142	6
AT16BK	037103006295	Case	6	150		15/16	24	5.00	142	144
AT16V	037103461889	Carded	6	150		15/16	24	5.00	142	6
AT18	037103462008	Boxed	8	200		1 1/8	29	9.01	255	6
AT18BK	037103003270	Case	8	200		1 1/8	29	9.01	255	72
AT18V	037103462015	Carded	8	200		1 1/8	29	9.01	255	6
AT110	037103463104	Boxed	10	250		1 5/16	33	16.06	455	6
AT110BK	037103006141	Case	10	250		1 5/16	33	16.06	455	48
AT110V	037103463111	Carded	10	250		1 5/16	33	16.06	455	6
AT112	037103463241	Boxed	12	300		1 1/2	38	25.97	736	6
AT112BK	037103003263	Case	12	300		1 1/2	38	25.97	736	30
AT112V	037103463258	Carded	12	300		1 1/2	38	25.97	736	3

Tapered Handle, Black Oxide Finish

- World famous Crescent® brand
- For professional, industrial or home use
- Tension spring stabilizes jaw and knurl adjusts easily
- Alloy steel and heat treated
- Proportioned dimensions for greatest strength and minimum weight
- Black oxide finish resists corrosion
- Tapered handle for better two-handed grip and less weight




Cat No.	UPC No.	Packed	Length			Inch	mm	Tool weight		Shelf Pack
			Inch	mm				oz	g	
AT115	037103463333	Boxed	15	380		1 11/16	43	52.32	1483	1
AT118	037103463395	Boxed	18	460		2 1/16	52	81.44	2309	1

Cushion Grip, Black Oxide Finish

- World famous Crescent® brand
- For professional, industrial or home use
- Wide capacity jaw (sizes 6-12) allows each tool to work with more fastener sizes
- Wider handle (sizes 6-12) provides more comfort and less stress to the hand
- Tension spring stabilizes jaw and knurl adjusts easily
- Alloy steel and heat treated
- Proportioned dimensions for greatest strength and minimum weight
- Black oxide finish resists corrosion
- Polished head and red non-slip cushion grip




Cat No.	UPC No.	Packed	Length			Inch	mm	Tool weight		Shelf Pack
			Inch	mm				oz	g	
AT16C	037103461896	Boxed	6	150		15/16	24	5.00	142	6
AT16CV	037103178435	Carded	6	150		15/16	24	5.00	142	6
AT18C	037103462022	Boxed	8	200		1 1/8	29	9.01	255	6
AT18CV	037103462039	Carded	8	200		1 1/8	29	9.01	255	6
AT110C	037103463128	Boxed	10	250		1 5/16	33	16.06	455	6
AT110CV	037103463135	Carded	10	250		1 5/16	33	16.06	455	6
AT112C	037103463265	Boxed	12	300		1 1/2	38	25.97	736	6
AT112CV	037103463272	Carded	12	300		1 1/2	38	25.97	736	6

Construction Wrench, Black Oxide Finish

Crescent® Quality Now Available for the Erection, Construction, and Rigging Trades

- World famous Crescent® brand
- Works on fasteners up to 1 1/2" in size
- Tension spring stabilizes jaw and knurl adjusts easily
- Tapered tang for aligning bolt holes or other mating parts
- Alloy steel and heat treated for toughest jobs
- Black oxide finish resists corrosion



Cat No.	UPC No.	Packed	Length			Inch	mm	Tool weight		Shelf Pack
			Inch	mm				oz	g	
AT10SPUD	037103200396	Carded	10 1/2	270		1 1/8	29	15	431	1
AT115SPUD	037103190345	Carded	16	406		1 1/2	38	37	1049	1

Plated Finish Tool Kits



AC5

- World famous Crescent® brand
- For professional, industrial or home use
- Wide capacity jaw allows each tool to work with more fastener sizes
- Wider handle provides more comfort and less stress to the hand
- Tension spring stabilizes jaw and knurl adjusts easily
- Alloy steel and heat treated
- Proportioned dimensions for greatest strength and minimum weight
- Plated finish resists rust and corrosion
- AC3 & AC5: Polished head and regular, satin finished handle
- AC3C: Polished head and red non-slip cushion grip
- Tools come in vinyl roll up pouch with cloth tie string

Cat No.	UP No.	Packed	Description	Contents	Tool weight		Shelf Pack
					oz	g	
AC3	037103139610	Boxed	3 pieces	AC16, AC18, AC110	30.07	853	1
AC3C	037103139627	Boxed	3 pieces	AC16C, AC18C, AC110C	30.07	853	1
AC5	037103194510	Boxed	5 pieces	AC14, AC16, AC18, AC110, AC112	65.60	1860	1

Cushion Grip, Black Oxide Finish Tool Kits



AT3



AT610CS

- World famous Crescent® brand
- For professional, industrial or home use
- Wide capacity jaw allows each tool to work with more fastener sizes
- Wider handle provides more comfort and less stress to the hand
- Tension spring stabilizes jaw and knurl adjusts easily
- Alloy steel and heat treated
- Proportioned dimensions for greatest strength and minimum weight
- Black oxide finish resists rust and corrosion
- AT610CS: Polished head and red non-slip cushion grip
- Tools come carded


Cat No.	UP No.	Packed	Description	Contents	Tool weight		Shelf Pack
					oz	g	
AT3	037103194527	Boxed	3 pieces	AT16, AT18, AT110	30.07	853	1
AT610CS	037103144584	Carded	2 pieces	AT16C, AT110C	21.06	597	6

RapidSlide™ Adjustable Wrenches

- World famous Crescent® brand
- Slide button mechanism in handle for quick, fast adjustment
- DIY, industrial or professional use
- AC6NKWMP: 15/16" jaw capacity allows tool to work with various fastener sizes
- AC8NKWMP: 1" jaw capacity allows tool to work with various fastener sizes
- AC10NKWMP: 1.2" jaw capacity allows tool to work with various fastener sizes
- Wide handle for increased leverage
- Debris shield protects slide mechanism, and maintains a smooth operation
- Forged steel
- Plated finish resists rust and corrosion
- Polished head
- SAE/Metric size indicator on jaw



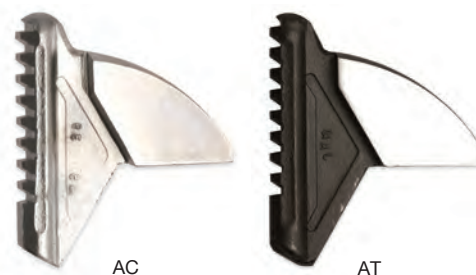
AC10NKWMP

Cat No.	UPC No.	Packed	Length			Inch	mm	Tool weight		Shelf Pack
			Inch	mm				oz	g	
AC6NKWMP	037103226761	Boxed	6 7/8	171	15/16	24		10.40	295	6
AC8NKWMP	037103211453	Boxed	8 1/2	215	1	25		16.80	476	6
AC10NKWMP	037103222060	Boxed	10 1/2	267	1.2	30		28.00	794	6

Adjustable Wrench Repair Parts

- World famous Crescent® brand
- For Crescent® large size AC and AT wrenches
- Sizes range from 15-24" (380-610mm)

Jaws for AC and AT wrenches



AC Cat. No.	AC UPC No.	AT Cat. No.	AT UPC No.	Size Packed	Inch	mm	Tool Weight		Shelf Pack
							oz	g	
AC115J	037103463302	AT115J	037103463340	Boxed	15	380	9.0	255	1
AC118J	037103463364	AT118J	037103463401	Boxed	18	460	16.0	454	1
AC124J	037103463425	- -	Boxed	24	610	27.0	765.0	1	

Pins, Springs and Knurls

For AC Wrenches

- World famous Crescent® brand
- Kit contains pin, spring and knurl

Cat No.	UPC No.	Packed	Size		Tool Weight		Shelf Pack
			Inch	mm	oz	g	
AC115PSK	037103470317	Boxed	15	380	4.0	114	1
AC118PSK	037103470324	Boxed	18	460	5.3	151	1
AC124PSK	037103470331	Boxed	24	610	6.8	194	1



Crescent® Brand Automotive And Chain Wrenches

CAUTION

1. Always wear approved eye protection.
2. Pipe wrenches should not be used to free "frozen" nuts or to final tighten nuts. Do not pull on a loosely adjusted wrench.
Never use a hammer or handle extension.
3. When possible, always pull rather than push on a pipe wrench and maintain proper stance on firm footing.

4. Never use a pipe wrench to bend, raise, or lift.
5. Use only box opening of combination wrenches, box wrenches or ratchet wrenches, to free "frozen" nuts or for final tightening of hex nuts. Never use a hammer or handle extension.
6. Use hex wrenches only to free "frozen" hex socket fasteners or for final tightening of same. Never use a hammer or handle extension.

Automotive Wrenches



- General purpose adjustable wrench
- Sliding jaw
- Forged from Crescent® special analysis tool steel
- Chrome-plated
- Precision machined; exceeds government specifications

Cat No.	UPC No.	Packed	Length		A		Pack wt.		Shelf Pack
			Inch	mm	Inch	mm	oz	g	
C79H	043127133183	Carded	9	229	2 3/4	70	4.56	2068	5
C711H	043127135163	Carded	11	279	3	76	7.75	3515	5
C715	043127213021	Boxed	15	381	3 5/8	92	3.25	1475	1
C718	043127067914	Boxed	18	457	4 3/8	111	4.25	1928	1

Chain Wrenches and Repair Chain



CW15



CW12H

Concave-cut teeth for improved gripping.
Easily resharpened if needed.
U.S. Patent No. 3304817.



- Double-action allows use in either direction
- Designed for work in confined areas when ordinary pipe wrenches will not fit; excellent for pipe fittings
- Concave-cut teeth for improved gripping; easily resharpened if needed; U.S. Patent No. 3304817
- Chrome plated to resist rust
- Strong I-beam handle construction

Cat No.	UPC No.	Packed	Length		Capacity		Chain Length		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	lb	g	
CW12H	043127143175	Carded	12	305	4	102	15	375	9.38	4255	5
CW15	043127212925	Boxed	15	381	5	127	19	475	2.38	1080	1
CW24	043127212956	Boxed	24	610	6	152	23	575	3.56	1615	1
Replacement Chain for CW12, CW12H, CW15 and CW24 Wrenches											
CW12C	043127067853	Boxed	12	305	4	102	15	375	0.79	358	1
CW15C	043127860966	Boxed	15	381	5	127	19	475	0.90	408	1
CW24C	043127860973	Boxed	24	610	6	152	23	575	1.10	499	1

Tool Sets

These Crescent® brand tool sets feature 72-tooth ratchet drives for a 5° swing that's perfect in tight spaces, convenient quick-release button operation. Durable storage cases have

raised-letter ID for each tool location, so they'll stay organized, plus tools lock securely in place, a true benefit for work vehicles or other places where tools get knocked around.

170 Piece Mechanic's Tool Set

- Carefully selected assortment of Crescent® brand hand tools
- Set contains all the tools needed for most industrial applications, including 1/4", 3/8", and 1/2" quick-release ratcheting drives, with a wide selection of standard and deep sockets in the most common SAE and metric sizes
- All tools in this industrial-quality tool set meet stringent new ANSI and ASME specifications and come with a full satisfaction guarantee
- CTK170CMP same as CTK170MP but case is closed



CTK170CMP



Cat No.	UPC No.	Description	Pack Weight	
			lb	kg
CTK170MP	037103221360	170-Pc Mechanic's Tool Set	21.7	9.7
CTK170CMP	037103221377	170-Pc Mechanic's Tool Set-Closed	21.7	9.7

Description	Qty.
1/2" DRIVE:	
72-Tooth Quick-release Ratchet Drive	1
5" Extension	1
6-Point Sockets: 1/2", 9/16", 5/8", 3/4", 7/8", 15mm, 17mm, 18mm, 19mm, 21mm	10
3/8" DRIVE:	
72-Tooth Quick-release Ratchet Drive	1
3" Extension	1
6" Extension	1
3/8" (Female) to 1/4" (Male) Adapter	1
Spark Plug Sockets: 5/8", 13/16"	2
12-Point Sockets: 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 7/8", 6mm, 7mm, 8mm, 9mm, 10mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 20mm	25
6-Point Deep Sockets: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 12mm, 13mm, 14mm, 16mm, 17mm	10

Description	Qty.
1/4" DRIVE:	
72-Tooth Quick-release Ratchet Drive	1
3" Extension	1
6-Point Sockets: 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 4mm, 5mm, 5.5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm	22
Combination Wrenches: 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 8mm, 10mm, 12mm, 13mm, 14mm, 15mm	12
Pliers: 8" Long Nose Cutting and 10" Tongue & Groove	2
Wrench: 8" Adjustable	1
MAGNETIC Screwdrivers: 1/4" x 4" Slotted, 3/16" x 3" Slotted, #2 x 4" Phillips®, #1 x 3" Phillips®	4
Dura-Driver™ MAGNETIC Bit Driver	1
1" Driver Bits with Holders: Phillips®, Slotted, Torx®, and Hex	44
SAE Hex Keys with Holder	13
METRIC Hex Keys with Holder	13
Storage Case	1

148 Piece Professional Tool Set



- Carefully selected assortment of Crescent® brand hand tools
- Set contains all the tools needed for most industrial applications, including 1/4", 3/8", and 1/2" quick-release ratcheting drives, with a wide selection of standard and deep sockets in the most common SAE and metric sizes
- All tools in this industrial-quality tool set meet stringent new ANSI and ASME specifications and come with a full satisfaction guarantee

Cat No.	UPC No.	Description	Pack Weight	
			lb	kg
CTK148MP	037103200525	148 Piece Professional Tool Set	21.5	9.7

Description	Qty.
1/4" DRIVE:	
72-Tooth Quick-release Ratchet Drive	1
3" Extension	1
6-Point Sockets: 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm	16
Combination Wrenches: 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 8mm, 10mm, 12mm, 13mm, 14mm, 15mm	12
Pliers: 8" Long Nose Cutting and 6" Diagonal Cutting	2
MAGNETIC Screwdrivers: 1/4" x 4" Slotted, 3/16" x 3" Slotted, #2 x 4" Phillips®, #1 x 3" Phillips®	4
Dura-Driver™ MAGNETIC Bit Driver	1
1" Driver Bits with Holders: Phillips®, Slotted, Torx®, and Hex	44
SAE Hex Keys with Holder	18
Storage Case	1

Description	Qty.
1/2" DRIVE:	
72-Tooth Quick-release Ratchet Drive	1
5" Extension	1
6-Point Sockets: 1/2", 9/16", 5/8", 3/4", 7/8", 15mm, 17mm, 18mm, 19mm, 21mm	10
3/8" DRIVE:	
72-Tooth Quick-release Ratchet Drive	1
3" Extension	1
6" Extension	1
3/8" (Female) to 1/4" (Male) Adapter	1
Spark Plug Sockets: 5/8", 13/16"	2
12-Point Sockets: 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 9mm, 10mm, 12mm, 13mm, 14mm, 15mm, 17mm, 19mm	16
6-Point Deep Sockets: 7/16", 1/2", 9/16", 11/16", 3/4", 12mm, 13mm, 14mm, 15mm, 17mm	10

70 Piece Professional Tool Set

- Carefully selected assortment of Crescent® brand hand tools
- Set contains 1/4" and 3/8" quick-release ratcheting drives, 32 SAE and metric sockets, 12 SAE and metric combination wrenches, plus 24 other tools, this is one of the most versatile tool selections ever assembled
- All tools are industrial-quality, meeting stringent new ANSI and ASME specifications, and come with a full satisfaction guarantee

Description	Qty.
3/8" DRIVE:	
72-Tooth Quick-release Ratchet Drive	1
3" Extension	1
12-Point Sockets: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16"	
10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 17mm, 19mm	16
1/4" DRIVE:	
72-Tooth Quick-release Ratchet Drive	1
3" Extension	1
6-Point Sockets: 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm	16
3/8" (Female) to 1/4" (Male) Adapter	1
Combination Wrenches: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 10mm, 12mm, 13mm, 14mm, 15mm, 17mm	12
SAE Hex Keys with Holder	8
Dura-Driver™ MAGNETIC Bit Driver	1
1" Driver Bits: Phillips®, Slotted, Torx®, and Hex	12



Cat No.	UPC No.	Description	Pack Weight	
			lb	kg
CTK70MP	037103211101	70 Piece Professional Tool Set	8.3	3.8

30 Piece Professional Tool Set

- Carefully selected assortment of Crescent® brand hand tools
- Set contains 30 pieces of no-nonsense 3/8" drive versatility
- With standard and deep sockets, SAE and metric sizes, 2 extensions, and a spark plug socket, this is the perfect compact selection
- All tools are industrial-quality, meeting stringent new ANSI and ASME specifications, and come with a full satisfaction guarantee

Description	Qty.
3/8" DRIVE:	
72-Tooth Quick-release Ratchet Drive	1
3" Extension	1
6" Extension	1
13/16" Spark Plug Socket	2
12-Point Sockets: 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 9mm, 10mm, 12mm, 13mm, 14mm, 15mm, 17mm, 19mm	16
12-Point Deep Sockets: 7/16", 1/2", 9/16", 5/8", 11/16", 12mm, 13mm, 14mm, 16mm, 17mm	10



Cat No.	UPC No.	Description	Pack Weight	
			lb	kg
CTK30SET	037103202673	30 Piece Professional Tool Set	6.2	2.8

21 Piece Mechanics Tool Set, SAE



- Polished chrome vanadium construction for the ultimate in strength
- Set contains heavy duty 24 tooth ratchet with quick release socket retention button
- Non slip knurled handle
- 12 point sockets
- Includes extension bars and a swivel breaker bar
- Packaged securely in a durable molded storage case

Description	Qty.
3/4" DRIVE:	
24-Tooth Quick-release Ratchet Drive with Knurled Handle	1
Swivel Breaker Bar	1
4" Extension	1
8" Extension	1
16" Extension	1
12-Point Sockets: 7/8", 15/16", 1", 1 1/16", 1 1/8", 1 3/16", 1 1/4", 1 5/16", 1 3/8", 1 7/16", 1 1/2", 1 5/8", 1 3/4", 1 13/16", 1 7/8", 2"	16

Cat No.	UPC No.	Description	Pack Weight	
			lb	kg
CTK21SAE	037103223784	21 Piece Mechanics Tool Set, SAE	36.0	16.0

21 Piece Mechanics Tool Set, Metric



- Polished chrome vanadium construction for the ultimate in strength
- Set contains heavy duty 24 tooth ratchet with quick release socket retention button
- Non slip knurled handle
- 6 point sockets
- Includes extension bars and a swivel breaker bar
- Packaged securely in a durable molded storage case

Description	Qty.
3/4" DRIVE:	
24-Tooth Quick-release Ratchet Drive with Knurled Handle	1
Swivel Breaker Bar	1
4" Extension	1
8" Extension	1
16" Extension	1
6-Point Sockets: 19mm, 21mm, 22mm, 23mm, 24mm, 26mm, 27mm, 29mm, 30mm, 32mm, 35mm, 36mm, 38mm, 41mm, 46mm, 50mm	16

Cat No.	UPC No.	Description	Pack Weight	
			lb	kg
CTK21ME	037103223791	21 Piece Mechanics Tool Set, Metric	16.0	7.0

14 Piece Mechanics Tool Set, SAE

- Polished chrome vanadium construction for the ultimate in strength
- Set contains heavy duty 24 tooth ratchet with quick release socket retention button
- Non slip knurled handle
- 12 point sockets
- Includes extension bars and a swivel breaker bar
- Packaged securely in a durable molded storage case

Description	Qty.
3/4" DRIVE:	
24-Tooth Quick-release Ratchet Drive with Knurled Handle	1
Swivel Breaker Bar with Knurled Handle	1
4" Extension	1
8" Extension	1
12-Point Sockets: 7/8", 15/16", 1", 1 1/8", 1 1/4", 1 7/16", 1 1/2", 1 5/8", 1 3/4", 2"	10



Cat No.	UPC No.	Description	Pack Weight	
			lb	kg
CTK14SAE	037103223807	14 Piece Mechanics Tool Set, SAE	26.0	12.0

14 Piece Mechanics Tool Set, Metric

- Polished chrome vanadium construction for the ultimate in strength
- Set contains heavy duty 24 tooth ratchet with quick release socket retention button
- Non slip knurled handle
- 6 point sockets
- Includes extension bars and a swivel breaker bar
- Packaged securely in a durable molded storage case

Description	Qty.
3/4" DRIVE:	
24-Tooth Quick-release Ratchet Drive with Knurled Handle	1
Swivel Breaker Bar with Knurled Handle	1
4" Extension	1
8" Extension	1
6-Point Sockets: 22mm, 24mm, 27mm, 30mm, 32mm, 36mm, 38mm, 41mm, 46mm, 50mm	10

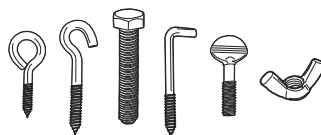


Cat No.	UPC No.	Description	Pack Weight	
			lb	kg
CTK14ME	037103223814	14 Piece Mechanics Tool Set, Metric	26.0	12.0

R2 RapidRench™ Ratcheting Socket Wrench



- World famous Crescent® brand
- An adjustable jaw opening to accommodate 38 different bolt/nut sizes, from 1/4" - 7/8"
- R2 RapidRench™ works on various fasteners and sizes
- Jaw design extends into deep areas
- Tool exceeds ANSI specs
- Comfort grip for reduced stress on hand
- Chrome finish for durability and corrosion resistance
- Reversible ratcheting mechanism



Cat No.	UPC No.	Packed	Description	Pack Wt.		Shelf Pack
				lb	g	
FR28SMP	037103229205 (shelf)	Carded	Adjustable Ratcheting Socket Wrench	1.3	590	4

Ratcheting Wrenches



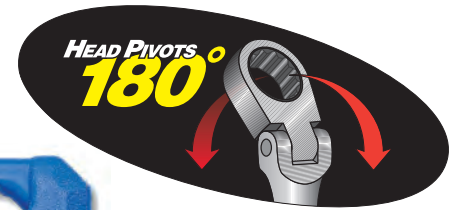
RD12BK

- World famous Crescent® brand
- Pear-head design
- 72 tooth gear system requires only 5 degree swing
- Reversible
- Chrome vanadium for maximum strength
- Meets ANSI load specs

Cat No.	UPC No.	Packed	Description	Pack Wt.		Shelf Pack
				lb	g	
RD08BK	037103215932	Bagged	1/4" Ratcheting Socket Wrench	1.78	807	5
RD12BK	037103215949	Bagged	3/8" Ratcheting Socket Wrench	3.88	1760	5
RD16BK	037103215925	Bagged	1/2" Ratcheting Socket Wrench	7.25	3289	5

Pivot Head Ratcheting Combination Wrenches

- Pivot Head swivels 180° for ultimate versatility
- Works at angles other flat wrenches will not handle
- Patented ratchet feature turns bolt with just 5° handle swing compared to 30° required in standard combination wrenches
- Closed end works in places deep sockets will not reach and the narrow cross-section allows access to tighter working spaces than other styles of ratcheting wrenches
- Open-end jaw surfaces are parallel to within $\pm 0.0015"$ for better contact with fastener and higher torque potential
- 72 tooth ratcheting mechanism receives special heat treat process for maximum strength
- Mirror finish chrome vanadium steel for maximum strength, durability, aesthetics and corrosion resistance
- Ratcheting closed end uses 12 points of contact for less stress to the fastener
- 4 piece set comes in a try me vacuum pack tray
- 7 piece set comes in a try me blow molded case

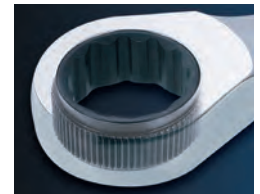


FRP7



FRP4

The box end ring gear has 72 extra-fine teeth, allowing the ratchet mechanism to engage with just a 5° movement of the wrench. This important component is precision machined and specially heat-treated for exceptional strength.



Works in places even deep sockets won't reach. It's the perfect tool for positioning and tightening bolts on threaded rod adjusters like those found on most electric garage door openers.

Ratchet feature turns fasteners with just a 5° swing vs. 30° needed for standard wrenches. Makes jobs go fast with its quick back and forth motion, while standard wrenches must be lifted off the bolt and repositioned with each swing.



Pivot Head swivels 180° for ultimate versatility (photo at left). This allows the box end of the wrench to access work a standard flat wrench would not be able to reach (photo at right).



Cat No.	UPC No.	Packed	Description	Contents	Set weight oz	Set weight g	Shelf Pack
SAE							
FRP4	037103189394	Carded	4 Piece SAE Set	3/8", 7/16", 1/2", 9/16"	19	540	12
FRP7	037103190277	Carded	7 Piece SAE Set	5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"	37	1049	4
Metric							
FRPM7	037103190284	Carded	7 Piece Metric Set	8mm, 10mm, 12mm, 13mm, 14mm, 15mm, 18mm	37	1049	4

Reversible Ratcheting Combination Wrenches

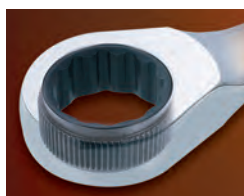


FRRM4



FRR7

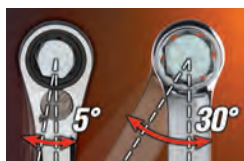
- Patented “Rapid Reverse” system reverses direction with the push of a button in the most confined areas for faster job completion
- Ratcheting box end is angled 15° to provide better fastener contact while protecting the users knuckles during use
- Patented ratchet feature turns bolt with just 5° handle swing compared to 30° required in standard combination wrenches
- Closed end works in places deep sockets will not reach and the narrow cross-section allows access to tighter working spaces than other styles of ratcheting wrenches
- Open-end jaw surfaces are parallel to within $\pm .0015$ " for better contact with fastener and higher torque potential
- 72 tooth ratcheting mechanism receives special heat treat process for maximum strength. Tools meet ANSI torque loads for standard combination wrenches
- Mirror finish chrome vanadium steel for maximum strength, durability, aesthetics and corrosion resistance
- Ratcheting closed end uses 12 points of contact for less stress to the fastener
- 4 piece set comes in a try me vacuum pack tray
- 7 piece set comes in a try me blow molded case
- Open stock available. See page 22



The box end ring gear has 72 extra-fine teeth, allowing the ratchet mechanism to engage with just a 5° movement of the wrench. This important component is precision machined and specially heat-treated for exceptional strength.



Works in places even deep sockets won't reach. It's the perfect tool for positioning and tightening bolts on threaded rod adjusters like those found on most electric garage door openers.



Ratchet feature turns fasteners with just a 5° swing vs. 30° needed for standard wrenches. Makes jobs go fast with its quick back and forth motion, while standard wrenches must be lifted off the bolt and repositioned with each swing.



Reverses at the push of a button to make jobs go faster. Even in the most inaccessible and hard to see areas, the reversing button engages with a positive “click” with no need to remove or reposition the wrench on the fastener.



Ratcheting end is offset 15°, providing clearance for a better grip on the wrench. This results in increased leverage and more power, while reducing the risk of skinned knuckles. This really helps in confined areas like engine compartments.

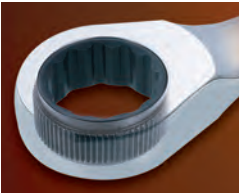
Cat No.	UPC No.	Packed	Description	Contents	Set weight		Shelf Pack
					oz	g	
SAE							
FRR4	037103184146	Carded	4 Piece SAE Set	3/8", 7/16", 1/2", 9/16"	17	431	12
FRR7	037103184153	Carded	7 Piece SAE Set	5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"	49	1389	4
Metric							
FRRM4	037103184160	Carded	4 Piece Metric Set	10mm, 12mm, 13mm, 15mm	15	425	10
FRRM7	037103184177	Carded	7 Piece Metric Set	8mm, 10mm, 12mm, 13mm, 14mm, 15mm, 18mm	49	1389	4

Open stock items may be found on page 19.

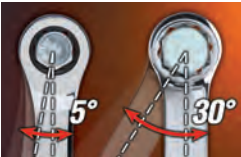
Ratcheting Combination Wrenches

Crescent

- Patented ratchet feature turns bolt with just 5° handle swing compared to 30° required in standard combination wrenches
- Closed end works in places deep sockets will not reach and the narrow cross-section allows access to tighter working spaces than other styles of ratcheting wrenches
- Open-end jaw surfaces are parallel to within $\pm .0015"$ for better contact with fastener and higher torque potential
- 72 tooth ratcheting mechanism receives special heat treat process for maximum strength. Tools exceeds ANSI torque loads for standard combination wrenches
- Mirror finish chrome vanadium steel for maximum strength, durability, aesthetics and corrosion resistance
- Ratcheting closed end uses 12 points of contact for less stress to the fastener
- 4 piece set comes in a try me vacuum pack tray
- Open stock available. See page 22



The box end ring gear has 72 extra-fine teeth, allowing the ratchet mechanism to engage with just a 5° movement of the wrench. This important component is precision machined and specially heat-treated for exceptional strength.



Ratchet feature turns fasteners with just a 5° swing vs. 30° needed for standard wrenches. Makes jobs go fast with its quick back and forth motion, while standard wrenches must be lifted off the bolt and repositioned with each swing.



Works in places even deep sockets won't reach. It's the perfect tool for positioning and tightening bolts on threaded rod adjusters like those found on most electric garage door openers.

Cat No.	UPC No.	Packed	Description	Contents	Set weight oz	Set weight g	Shelf Pack
FR4	037103184108	Carded	4 Piece SAE Set	3/8", 7/16", 1/2", 9/16"	15	431	12

Open stock items may be found on page 18.

Ratcheting Combination Wrenches - Open Stock

Crescent® brand has increased the selection of its popular ratcheting and reversible ratcheting combination wrenches, all available individually packaged. The wrenches work in many places where other wrenches won't, including places deep socket wrenches can't reach.

The reversing feature allows the ratcheting end to have a 15 degree offset, like standard box-end wrenches. The 15 degree angle allows the wrenches to be gripped easily and allows users to apply more power without the risk of skinned knuckles. The ratcheting feature allows bolts to be turned with just a five degree swing compared to 30 degrees needed for standard wrenches, which must also be lifted off the bolt and repositioned for each swing. The reversible wrenches reverse at the push of a button, even in the tightest spaces. Open end jaw surfaces are parallel to within +/- 0.0015" for better contact with fastener surfaces and higher torque transfer. Mirror finished chrome vanadium steel construction is employed for maximum strength, durability, and corrosion resistance.

All packages have a built-in "Try Me!" feature that allows the consumer to actually touch the product and to see for themselves how the Crescent® brand ratcheting wrench can do more than any combination wrench they've ever seen before.

Major areas of use include the repair and maintenance of motor vehicles, industrial and electrical applications, and working on mechanical devices, including small engines, lawn and garden equipment, and pumps.

SAE and Metric Wrenches

Cat No.	UPC No.	Packed	Length Inch mm	Jaw Opening Inch mm	Tool weight oz g	Shelf Pack
Reversible Ratcheting Wrench, SAE						
FRR10	037103189189	Carded	5.67 144	5/16"	1.92 54	6
FRR12	037103189196	Carded	6.22 158	3/8"	2.72 77	6
FRR14	037103189202	Carded	6.50 165	7/16"	3.04 86	6
FRR16	037103189219	Carded	7.17 182	1/2"	4.00 113	6
FRR18	037103189226	Carded	7.48 190	9/16"	4.48 127	6
FRR20	037103189233	Carded	8.47 215	5/8"	5.92 168	6
FRR22	037103189998	Carded	9.02 229	11/16"	7.20 204	6
FRR24	037103189264	Carded	9.92 252	3/4"	8.64 245	6
FRR26	037103190017	Carded	10.83 275	13/16"	11.68 331	6
FRR28	037103190024	Carded	11.22 285	7/8"	14.24 404	6
FRR30	037103190031	Carded	11.65 296	15/16"	16.32 463	6
Ratcheting Wrench, SAE						
FR10	037103189042	Carded	5.67 144	5/16"	1.92 54	6
FR12	037103189059	Carded	6.22 158	3/8"	2.72 77	6
FR14	037103189066	Carded	6.50 165	7/16"	3.04 86	6
FR16	037103189073	Carded	7.17 182	1/2"	4.00 113	6
FR18	037103189080	Carded	7.48 190	9/16"	4.48 127	6
FR20	037103189097	Carded	8.47 215	5/8"	5.92 168	6
FR22	037103189868	Carded	9.02 229	11/16"	7.20 204	6
FR24	037103189103	Carded	9.92 252	3/4"	8.64 245	6
FR26	037103189929	Carded	10.83 275	13/16"	11.68 331	6
FR28	037103189936	Carded	11.22 285	7/8"	14.24 404	6
FR30	037103189943	Carded	11.65 296	15/16"	16.32 463	6
Reversible Ratcheting Wrench, Metric						
FRM08	037103189257	Carded	144	8	1.92 54	6
FRM09	037103190048	Carded	150	9	2.24 64	6
FRM10	037103189332	Carded	158	10	2.72 77	6
FRM11	037103190055	Carded	165	11	3.20 91	6
FRM12	037103189288	Carded	173	12	3.68 104	6
FRM13	037103189295	Carded	182	13	4.00 113	6
FRM14	037103189301	Carded	190	14	4.48 127	6
FRM15	037103189318	Carded	202	15	5.28 150	6
FRM16	037103190062	Carded	215	16	5.76 163	6
FRM17	037103189905	Carded	229	17	6.72 191	6
FRM18	037103189325	Carded	240	18	8.00 227	6
FRM19	037103189912	Carded	252	19	8.64 245	6
FRM21	037103190079	Carded	275	21	11.68 331	6
FRM22	037103190086	Carded	285	22	14.24 404	6
FRM24	037103190093	Carded	296	24	16.32 463	6

Individual Tool Specifications



Pivot Head Ratcheting Combination Wrench

Individual Tool Specifications - SAE

Wrench Opening Across Flats Inch	Outside Diameter Open Head (A) Inch	Outside Diameter Box (B) Inch	Wrench Head Thickness Open (C) Inch	Wrench Head Thickness Box (D) Inch	Length (E) Inch
5/16	0.669	0.709	0.185	0.291	5.000
3/8	0.854	0.827	0.224	0.331	5.354
7/16	0.906	0.866	0.240	0.331	5.787
1/2	1.043	0.984	0.260	0.331	6.063
9/16	1.161	1.043	0.287	0.331	6.299
5/8	1.315	1.142	0.303	0.394	6.654
3/4	1.535	1.339	0.343	0.453	7.992

Individual Tool Specifications - Metric

Wrench Opening Across Flats mm	Outside Diameter Open Head (A) mm	Outside Diameter Box (B) mm	Wrench Head Thickness Open (C) mm	Wrench Head Thickness Box (D) mm	Length (E) mm
8	17.0	18.0	4.7	7.4	127
10	21.7	21.0	5.7	8.4	136
12	25.2	23.5	6.4	8.4	147
13	26.5	25.0	6.6	8.4	154
14	29.5	26.5	7.3	8.4	160
15	31.3	28.0	7.5	8.4	169
18	38.0	32.0	8.4	11.5	203

Reversible Ratcheting Combination and Ratcheting Combination Wrenches

Individual Tool Specifications - SAE

Wrench Opening Across Flats Inch	Outside Diameter Open Head (A) Inch	Outside Diameter Box (B) Inch	Wrench Head Thickness Open (C) Inch	Wrench Head Thickness Box (D) Inch	Length (E) Inch
5/16	0.669	0.709	0.185	0.291	5.669
3/8	0.854	0.827	0.224	0.331	6.220
7/16	0.906	0.866	0.240	0.331	6.496
1/2	1.043	0.984	0.260	0.331	7.165
9/16	1.161	1.043	0.287	0.331	7.480
5/8	1.315	1.142	0.303	0.394	8.465
11/16	1.429	1.201	0.311	0.394	9.016
3/4	1.535	1.339	0.343	0.453	9.921
13/16	1.713	1.496	0.374	0.492	10.827
7/8	1.831	1.614	0.394	0.531	11.220
15/16	1.909	1.772	0.433	0.531	11.654

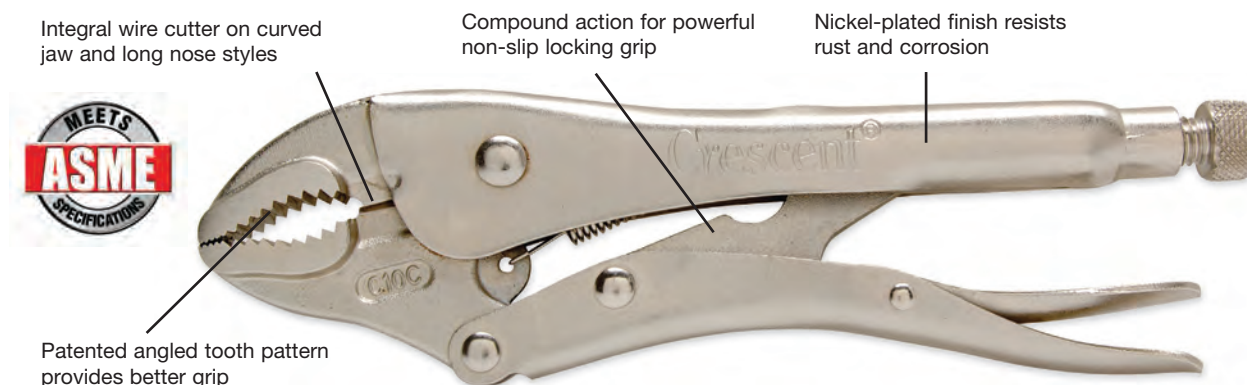
Individual Tool Specifications - Metric

Wrench Opening Across Flats mm	Outside Diameter Open Head (A) mm	Outside Diameter Box (B) mm	Wrench Head Thickness Open (C) mm	Wrench Head Thickness Box (D) mm	Length (E) mm
8	17.0	18.0	4.7	7.4	144
9	18.8	19.5	5.3	7.4	150
10	21.7	21.0	5.7	8.4	158
11	23.0	22.0	6.1	8.4	165
12	25.2	23.5	6.4	8.4	173
13	26.5	25.0	6.6	8.4	182
14	29.5	26.5	7.3	8.4	190
15	31.3	28.0	7.5	8.4	202
16	33.4	29.0	7.7	10.0	215
17	36.3	30.5	7.9	10.0	229
18	38.0	32.0	8.4	11.5	240
19	39.0	34.0	8.7	11.5	252
21	43.5	38.0	9.5	12.5	275
22	46.5	41.0	10.0	13.5	285
24	48.5	45.0	11.0	13.5	296

Locking Pliers & Clamps

Crescent® brand 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, Crescent® brand locking pliers still maintain the narrow profile required for work in tight and confined spaces.

Long nose, curved, and straight jaw pliers feature a patented angled tooth pattern for a better grip, and every style has a tough nickel-plated finish for maximum resistance to rust and corrosion.



Locking Pliers, Straight Jaw



- World famous Crescent® brand
- Top quality design for superior performance
- Maximum jaw opening per ASME specs
- Patented angled tooth pattern for better grip
- Nickel-plated finish resists rust and corrosion
- Compound action for powerful non-slip locking grip

Cat No.	UPC No.	Packed	Length		Jaw Opening		Tool Weight		Shelf Pack
			Inch	mm	Inch	mm	oz	g	
C7SV	037103206664	Carded	7 1/4	184	1 5/8	42	14	397	3
C10SV	037103206800	Carded	8 7/8	227	1 7/8	48	21	595	3

Locking Pliers, Curved Jaw with Wire Cutter



- World famous Crescent® brand
- Top quality design for superior performance
- Curved jaw with wire cutter
- Maximum jaw opening per ASME specs
- Patented angled tooth pattern for better grip
- Nickel-plated finish resists rust and corrosion
- Compound action for powerful non-slip locking grip

Cat No.	UPC No.	Packed	Length		Jaw Opening		Tool Weight		Shelf Pack
			Inch	mm	Inch	mm	oz	g	
C5CV	037103206817	Carded	5 5/8	142	1 1/4	32	7	198	3
C7CV	037103206695	Carded	7 1/4	184	1 5/8	42	14	397	3
C10CV	037103206701	Carded	8 7/8	227	1 7/8	48	19	539	3

Locking Pliers, Long Nose with Wire Cutter

- World famous Crescent® brand
- Top quality design for superior performance
- Maximum jaw opening per ASME specs
- Patented angled tooth pattern for better grip
- Nickel-plated finish resists rust and corrosion
- Long nose with wire cutter gets to hard-to-reach spots
- Compound action for powerful non-slip locking grip



Crescent

Cat No.	UPC No.	Packed	Length		Inch	mm	Tool Weight		Shelf Pack
			Inch	mm			oz	g	
C6NV	037103206718	Carded	8 5/8	218	2 1/4	58	8	227	3
C9NV	037103206725	Carded	8 3/4	222	2 7/8	73	14	397	3

Locking Pliers Sets

- World famous Crescent® brand
- Top quality design for superior performance
- Maximum jaw opening per ASME specs
- Patented angled tooth pattern for better grip
- Nickel-plated finish resists rust and corrosion
- Versatile curved jaw also features integral wire cutter
- Long nose with wire cutter gets to hard-to-reach spots
- Compound action for powerful non-slip locking grip



Cat No.	UP No.	Packed	Contents	Pack weight		Shelf Pack
				lb	kg	
CLP2SET	037103202864	Carded	7" and 10" Curved Jaw Locking Pliers	2.1	0.95	1
CLP3SET	037103202871	Carded	5", 7" and 10" Curved Jaw Locking Pliers	2.5	1.15	1
CLP3SETC	037103202888	Carded	5", 7" and 10" Cushion Grip Curved Jaw Locking Pliers	2.7	1.22	1
CLP5SET	037103202895	Carded	5", 7" and 10" Curved Jaw & 6" and 9" Long Nose Locking Pliers	4.1	1.84	1

Locking C-Clamps, Regular Tips



- World famous Crescent® brand
- Top quality design for superior performance
- Maximum jaw opening per ASME specs
- Patented angled tooth pattern for better grip
- Nickel-plated finish resists rust and corrosion
- Locking “C” clamps are faster and easier to use than standard clamps
- Compound action for powerful non-slip locking grip

Cat No.	UPC No.	Packed	Length		Jaw Opening		Tool Weight		Shelf Pack
			Inch	mm	Inch	mm	oz	g	
C6CCV	037103206732	Carded	7	178	2	51	9	255	3
C11CCV	037103206756	Carded	11	280	4	102	27	765	1
C18CCR	037103217301	Boxed	18	450	9	229	42	1191	1

Locking C-Clamps, Swivel Pad Tips



- World famous Crescent® brand
- Top quality design for superior performance
- Maximum jaw opening per ASME specs
- Patented angled tooth pattern for better grip
- Nickel-plated finish resists rust and corrosion
- Locking “C” clamps are faster and easier to use than standard clamps and feature non-marring swivel pads
- Compound action for powerful non-slip locking grip

Cat No.	UPC No.	Packed	Length		Jaw Opening		Tool Weight		Shelf Pack
			Inch	mm	Inch	mm	oz	g	
C6CCSV	037103206749	Carded	7	178	2 1/8	54	10	284	3
C11CCSV	037103206763	Carded	11	280	3 7/8	99	30	851	1
C18CCS	037103217271	Boxed	18	450	9	229	43	1219	1

Locking Sheet Metal Clamp and Welder's Clamp


- World famous Crescent® brand
- Top quality design for superior performance
- Maximum jaw opening per ASME specs
- Patented angled tooth pattern for better grip
- Nickel-plated finish resists rust and corrosion
- Compound action for powerful non-slip locking grip
- **C8SMV** designed for forming sheet metal
- **C9W** designed to clamp odd shaped materials, and features a unique "U" shaped throat



C8SMV




C9W

Cat No.	UPC No.	Packed	Length		Inch 		Tool Weight		Shelf Pack
			Inch	mm	Inch	mm	oz	g	
C8SMV	037103206770	Carded	10 5/8	375	1 3/4	45	18	510	3
C9W	037103206787	Boxed	9 3/8	236	2 1/8	54	23	652	1

Locking Chain Clamp

- World famous Crescent® brand
- Top quality design for superior performance
- 18" long chain
- Nickel-plated finish resists rust and corrosion
- Compound action for powerful non-slip locking grip



Cat No.	UPC No.	Packed	Length		Inch 		Tool Weight		Shelf Pack
			Inch	mm	Inch	mm	oz	g	
C20CH	037103206794	Boxed	9	229	--	--	26	737	1

Tongue and Groove Pliers

Versatile utility pliers, ideal for objects of all shapes, including rods, pipes, hose and cable connections and many other mechanical devices. Forged, precision machined from forged alloy steel. Brushed finish for corrosion resistance. Self-locking jaw opening adjustment. Long handles give powerful leverage. Textured double dipped red cushion handle grips provide a sure grip under any condition. Precision Milling: Ribs are precision milled to ensure a smooth, positive interlock between the two halves.

Tongue and Groove Pliers, Straight Jaws



- New rivet construction with precision-machined joint interlock assures smooth, positive joint action, no chance of slipping position or coming apart under load
- Unique tooth design for better grip-increases torque transfer with less effort
- New, more jaw positions, more flexibility and more grip comfort; increased capacity
- New unique alloy steel construction with induction hardened teeth maximizes durability
- Red double dipped non-slip cushion handle grips for working comfort
- Long handles give powerful leverage
- Exceeds ASME B107.23M-2004 performance

Cat No.	UPC No.	Packed	Length		Inch	mm	No. of jaw positions	Tool weight		Shelf Pack
			Inch	mm				oz	g	
R27CV	037103462602	Carded	7	178	1 5/16	33	6	7.2	204	6
R210CV	037103463685	Carded	10	250	1 13/16	46	6	14.4	408	6
R220CV	037103467041	Carded	10	250	2 1/4	57	8	15.2	431	6
R212CV	037103463739	Carded	12	300	3	76	8	25.18	714	6
R216CV	037103469687	Carded	16	400	4 1/2	114	10	45.6	1293	3
HL120P	043127121043	Boxed	20	500	6	152	12	64.0	1814	1

Tongue and Groove Pliers, V - Jaws



- New rivet construction with precision-machined joint interlock assures smooth, positive joint action, no chance of slipping position or coming apart under load
- Unique tooth design for better grip-increases torque transfer with less effort
- Newly designed V- jaws
- New, more jaw positions, more flexibility and more grip comfort; increased capacity
- New unique alloy steel construction with induction hardened teeth maximizes durability
- Red double dipped non-slip cushion handle grips for working comfort
- Long handles give powerful leverage
- Exceeds ASME B107.23M-2004 performance

Cat No.	UPC No.	Packed	Length		Inch	mm	No. of jaw positions	Tool weight		Shelf Pack
			Inch	mm				oz	g	
R410CV	037103464705	Carded	10	250	1 13/16	46	6	13.92	395	6
R412CV	037103217066	Carded	12	300	3	76	8	22.0	612	6

Tongue and Groove Pliers Sets

- New rivet construction with precision-machined joint interlock assures smooth, positive joint action, no chance of slipping position or coming apart under load
- Unique tooth design for better grip-increases torque transfer with less effort
- New, more jaw positions, more flexibility and more grip comfort; increased capacity
- New unique alloy steel construction with induction hardened teeth maximizes durability
- Red double dipped non-slip cushion handle grips for working comfort
- Long handles give powerful leverage
- Exceeds ASME B107.23M-2004 performance



Cat No.	UP No.	Packed	Contents	Tool weight		Shelf Pack
				oz	g	
R200SET2	037103205759	Carded	7" and 10" Straight Jaw Tongue & Groove Pliers	24	680	4
R200SET3	037103205742	Carded	7", 10" and 12" Straight Jaw Tongue & Groove Pliers	53	1502	4

Dura - Plyers™

- Laminated/Riveted Construction. Gives you strength for the toughest jobs
- Textured Air Cushioned Grips. Provides excellent hand contact and comfort
- Box Joint Design. Less chance of slippage compared to conventional tongue and groove pliers
- Multiple Position Jaw. Provides flexibility for a wide range of applications
- LB810 consists of 8" and 10" Dura-plyers.



Cat No.	UPC No.	Packed	Length		Inch	mm	No. of jaw positions	Tool weight		Shelf Pack
			Inch	mm				oz	g	
LB8	037103138828	Carded	8	200	1 1/2	38	5	7	227	6
LB10	037103138835	Carded	10	250	1 3/4	44	7	14	386	6
LB810	037103142795	Carded	-	-	-	-	-	23	652	6


Slip Joint Pliers

Drop-forged from alloy steel and accurately machined for best gripping and turning of round objects such as pipes, rods, studs, pins and connections. An all purpose tool available in thin nose, bent nose and heavy-duty sizes as well as the regular combination series.

Cee Tee Co.® Combination




- New, redesigned slip joint pliers, slender head for balance and control
- New riveted joint construction is stronger and maintains better joint and cutting performance
- Designed for gripping and turning round objects such as pipes, rods and pins
- Curved jaws combination with machined gripping teeth and wire cutter
- Forged alloy steel construction, spring tempered for strength and durability
- Nickel chrome plated finish
- Knurled handles or red double dipped non-slip cushion handle grips

Cat No.	UPC No.	Packed	Length		Inch 	mm	Tool weight		Shelf Pack
			Inch	mm			oz	g	
H26N	037103227959	Boxed	6 1/2	165	1	25	8.00	227	12
H26VN	037103227966	Carded	6 1/2	165	1	25	8.00	227	3
H26CVSMLN	037103227973	Carded	6 1/2	165	1	25	8.00	227	3
H28N	037103227980	Boxed	8	200	1	25	9.60	272	12
H28VN	037103227997	Carded	8	200	1	25	9.60	272	3
H28CVSMLN	037103228017	Carded	8	200	1	25	10.00	272	3

Thin Straight Nose Combination





- New, redesigned slip joint pliers, slender head for balance and control
- New riveted joint construction is stronger and maintains better joint and cutting performance
- Designed for gripping and turning round objects such as pipes, rods and pins
- Curved jaws combination with machined gripping teeth and wire cutter
- Forged alloy steel construction, spring tempered for strength and durability
- Nickel chrome plated finish
- Red double dipped non-slip cushion handle grips

Cat No.	UPC No.	Packed	Length		Inch 	mm	Tool Weight		Shelf Pack
			Inch	mm			oz	g	
L26CV	037103470003	Carded	6 3/4	171	1	25	6.40	181	6

Thin Bent Nose Combination

- New, redesigned slip joint pliers, slender head for balance and control
- New riveted joint construction is stronger and maintains better joint and cutting performance
- Designed for gripping and turning round objects such as pipes, rods and pins
- Curved jaws combination with machined gripping teeth and wire cutter
- Forged alloy steel construction, spring tempered for strength and durability
- Nickel chrome plated finish
- Red double dipped non-slip cushion handle grips






Cat No.	UPC No.	Packed	Length			Inch	mm	Tool weight		Shelf Pack
			Inch	mm				oz	g	
J26CV	037103469984	Carded	6	150		1	25	8	227	6

Motor Kit Combination

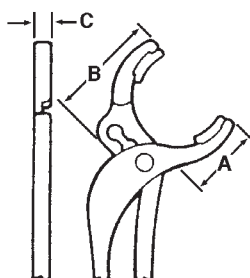
- New, redesigned slip joint pliers, slender head for balance and control
- New riveted joint construction is stronger and maintains better joint and cutting performance
- Designed for gripping and turning round objects such as pipes, rods and pins
- Curved jaws combination with machined gripping teeth and wire cutter
- Forged alloy steel construction, spring tempered for strength and durability
- Nickel chrome plated finish
- Knurled handles or red double dipped non-slip cushion handle grips



Cat No.	UPC No.	Packed	Length			Inch	mm	Tool weight		Shelf Pack
			Inch	mm				oz	g	
G24CV	037103102416	Carded	4	100		1/2	13	2.16	61	6
G210CV	037103469960	Carded	10	250		1 3/8	35	16.00	454	6

A-N Connector Pliers

- Fits A-N electrical connectors - sizes from 0.75" to 2.5"
- Three adjustment positions
- Replacement insert available
- 52910KITN consists of:
2 pins, 2 pads



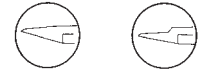
52910KITN

Cat No.	UPC No.	Packed	Jaw Opening		Length		A		B		C		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
52910N	037103213716	Boxed	1/2 - 1 1/2	12.7 - 38	10	250	1 39/64	33	2 17/32	65	3/8	10	10.56	299	1
52910KITN	037103213723	Boxed	-	-	-	-	-	-	-	-	-	-	2.0	57	1

How to Select Cutting Pliers

Thickness of head

Head thickness determines the life of a cutting tool in much the same way as head shape. Thin cutters are often purchased for cosmetic reasons when a thicker cutter would do the job as well. The same rule applies as in head shape. The cutter life is directly proportional to the thickness.



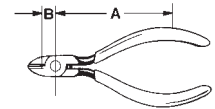
Let there be light

High precision cutters are finished so that they will meet exactly at the point. If you hold a good pair of diagonal cutters up to the light you should see an increasing amount of light towards the back of the fulcrum of the cutter. Since most cutting is done at the tip, this increases cutter life by allowing the tips to continue to meet after some wear. Larger cutters (over 5" long) may meet all the way down the blade, as less tip cutting is done with larger cutters.



Leverage ratio

A pair of cutting pliers is a lever with the fulcrum point at the center of the joint. The mechanical advantage of the lever is expressed as a ratio by dividing length A into length B. Cutters with the largest mechanical advantage will generally last the longest.

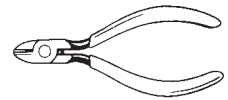


Cuts per dollar

Cutting pliers have only one purpose... to cut wire. Proper selection of cutters will ensure that the tools in your plant will cut the wire you need to cut, where you need to cut it and most importantly, will give you the maximum number of cuts per dollar spent. Once the physical size and shape of a cutter have been determined by the mechanical aspects of the cutting problem, the economic justifications and selections should be based upon the number of cuts per dollar.

Buy big

Probably the costliest mistake most often made in selecting cutters is to buy them too small. It is easy for a craftsman to be attracted to tiny precision cutters under 4" in length. Much electronic assembly work is done by women, and they seem to prefer a small cutter that "feels good" in their hand. However, the number of cuts obtainable from a cutter is almost directly proportional to the square of the weight of the cutting head. Allowing economical factors to put 4" cutters where a 5" cutter will do the job, can reduce the number of expected cuts in half. Since 4" cutters cost more, the cuts per dollar ratio will be increased substantially. The rule of thumb is always the largest cutter that you can use for the job at hand.



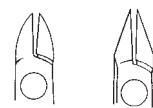
Angle of cutter

Most companies offer different cutting blades described as semi-flush, full flush, regular, etc. This refers to the angle shown in the above illustration looking straight at the end of the cutter. Flush cutters are designed to reduce the amount of "pinch" left on the cut wire. They also tend to reduce the amount of shock transmitted up the wire to the component body. Flush cutters should only be specified where they are necessary for one of these purposes. A good rule of thumb here is the greater the angle then, the more cuts available from the tool.



Shape of head

Often, pointed or narrow head cutters are chosen for the same reasons that small cutters are popular. A pointed head, however, greatly reduces the expected life of the cutter. With cutters of the same size a round head will outlast a pointed head almost two to one. Pointed head cutters should be used only where necessary because of access problems to the work. The more material behind the cutting blade, the greater the number of cuts that can be expected.



Crescent® Brand Cutting Capability Guideline

Cat No.	Type Cut Edge	22 GA. (.025) Soft Copper Wire	14 GA. (.062) Steel Wire *90,000 PSI	12 GA. (.080) Steel Wire *180,000 PSI	11 GA. (.091) Steel Wire *120,000 PSI	11 GA. (.091) Steel Wire *180,000 PSI
Diagonal Cutting						
5427*	Std			•		
5428*	Std			•		
5437CEN	F	•				
5438CEN	F	•				
7427CVN	Std			•		
9336*	Std			•		
9337*	Std			•		
PS5429C	Std			•		
Long Nose						
6546*	Std		•			
6547*	Std		•			
6548*	Std		•			
PS6549C	Std		•			
Linesman's						
19507CVN	Std			•		
19508CVN	Std					•
20509*	Std					•
21508CVN	Std					•
507CVN	Std			•		
508*	Std					•
PS20509C	Std					•
Specialty						
20509WSCVSM LN	Std					•
Fence Tools						
10010*	B					•
10012VN	B					•
1008VN	B			•		
193410*	B				•	
193610*	B					•
Plastic Cutting						
M56RPN	F	* (1)				
M57ERN	F	* (1)				
M57RPN	F	* (1)				
P43N	F	* (1)				
TP53N	F	* (1)				
TP55N	F	* (1)				
TP56N	F	* (1)				
TP57N	F	* (1)				
TP63N	F	* (1)				
TP73N	F	* (1)				
End Cutting Nippers						
727*	Std			•		
728*	Std			•		
729*	Std			•		

(1) Plastic cutting only, copper wire listed for testing only.

F = Flush cutting edges S.F. = Semi-flush cutting edges Std. = Standard cutting edges B = Button style shear cutting edges

CAUTION: Never use any pliers or cutters on live electrical circuits.

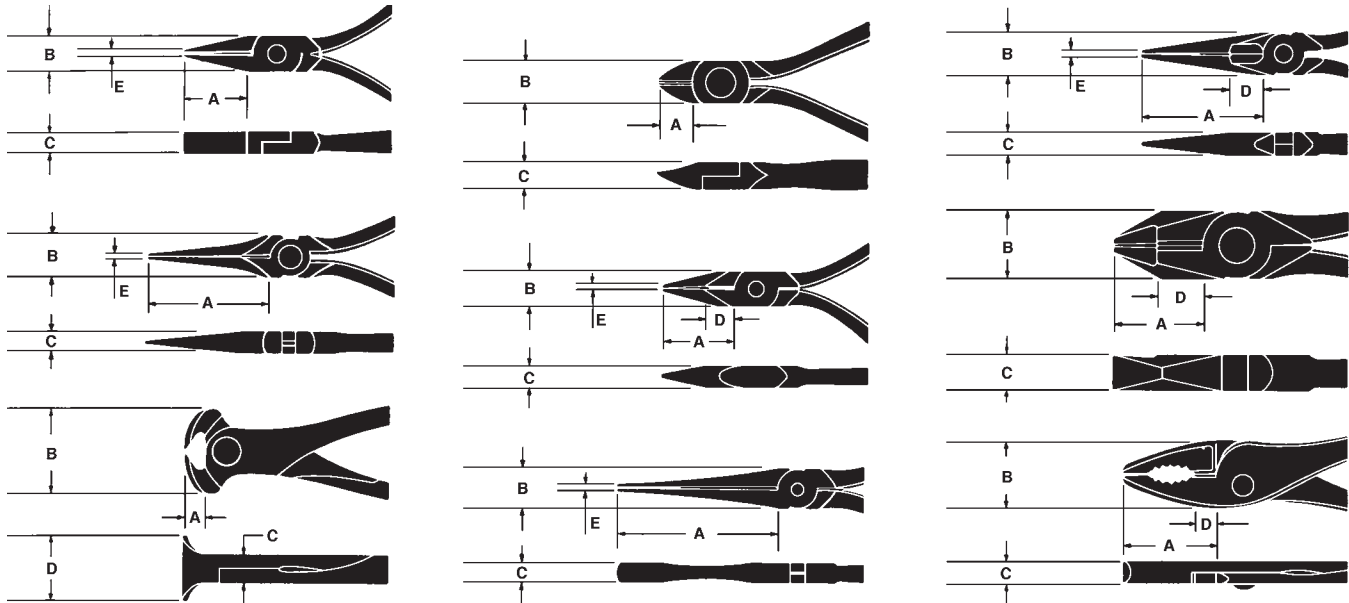
WARNING: Plastic-dipped or slip-on plastic handles are NOT intended for protection against electric shock.

Proper Use and Care of Hand Tools WARNING: The cushion grips on handles are provided for comfort. They are NOT intended to give any degree of protection against electric shock and should NOT be used on live electrical circuits.

Pliers Reference Drawings for Tool Dimensions

Shown here are nine different types of Crescent® brand pliers. To obtain exact dimensions on any pliers in this catalog, compare letters appearing in dimension lines under pliers in question, with key provided on the right in every instance, dimensions are represented by the same letter.

- (A) nose length
- (B) nose width
- (C) maximum thickness
- (D) cutter length
- (E) point dimensions



Beveled inside edges that guard against nicking or marring wire are standard on all Crescent® brand long and chain nose pliers. Cutting edges on Crescent® brand cutting pliers are electronically induction hardened and honed. Nothing is left to chance, each pair of pliers is tested and inspected to ensure cutting ease and long cutting life. Coil springs between the pliers' handles (when ordered) keep them in an open position to reduce operator fatigue and speed up assembly line production.

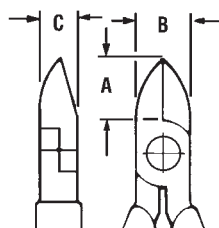
Solid Joint Pliers

Solid joint pliers are all made from drop-forged alloy steel and are individually tested for strength and cutting ability. Cutting edges are electronically induction hardened and hand honed. All pliers are finished with polished heads. Most pliers are available with red cushion handle grips handles suffix (C) and spring opening suffix (S).



Diagonal Cutting - General Purpose Pliers

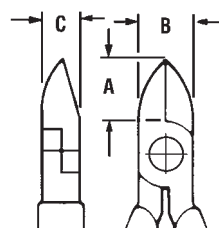
- Designed for general wire cutting in confined spaces
- Standard jaw
- Electronically induction hardened and hand-honed, long cutting edges for harder wires
- Round joint design
- Made of drop-forged alloy steel and individually tested for strength and cutting ability
- Polished head
- Plain handles or red double dipped non-slip cushion handle grips



Cat No.	UPC No.	Packed	Length		A		B		C		Tool weight		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	oz	g	
9336N	037103213174	Boxed	6	150	13/16	21	3/4	19	7/16	11	6.08	172	6
9336CVN	037103213198	Carded	6	150	13/16	21	3/4	19	7/16	11	6.08	172	6
9336SCN	037103213266	Boxed	6	150	13/16	21	3/4	19	7/16	11	6.08	172	6
9337N	037103213518	Boxed	7	175	1	25	29/32	23	15/32	12	8.0	227	6
9337CVN	037103213501	Carded	7	175	1	25	29/32	23	15/32	12	8.0	227	6

Heavy Diagonal Cutting Pliers

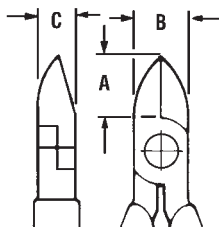
- Designed for powerful, heavy cutting and tip cutting BX armored cable
- Electronically induction hardened and hand-honed cutting edges
- Made of forged alloy tool steel and individually tested for strength and cutting ability
- Polished head
- Full-fashioned handles for maximum leverage with red double dipped non-slip cushion handle grips



Cat No.	UPC No.	Packed	Length		A		B		C		Tool weight		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	oz	g	
7427CVN	037103213471	Carded	7	175	3/4	19	7/8	22	1/2	13	10.80	306	6

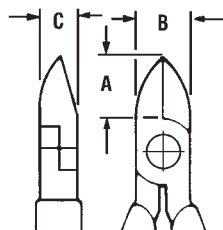
Heavy-Duty Diagonal Cutting Pliers

- Designed for heavy-duty wire cutting
- Electronically induction hardened and hand-honed, long-lasting cutting edges
- Made of forged alloy tool steel and individually tested for strength and cutting ability
- Polished head
- Plain handles or red double dipped non-slip cushion handle grips



Cat No.	UPC No.	Packed	Length		A		B		C		Tool weight		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	oz	g	
5427N	037103212702	Boxed	7	175	25/32	20	1 7/32	31	15/32	12	8.96	254	6
5427CVN	037103212801	Carded	7	175	25/32	20	1 7/32	31	15/32	12	8.96	254	6
5428CN	037103212764	Boxed	8	200	25/32	20	1 7/32	31	15/32	12	12.00	340	6
5428CVN	037103212771	Carded	8	200	25/32	20	1 7/32	31	15/32	12	12.00	340	6

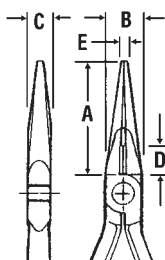
Heavy-Duty Diagonal Cutting Pliers



- Cuts soft copper wire up to 22 gauge
- Electronically induction hardened and hand-honed, long-lasting cutting edges
- Made of forged alloy tool steel and individually tested for strength and cutting ability
- Polished head
- Red double dipped non-slip cushion handle grips
- Angled head for offset cutting
- Flush cutting edges

Cat No.	UPC No.	Packed	Length		Inch	A mm	B		Inch	C mm	Tool weight		Shelf Pack
			Inch	mm			Inch	mm			oz	g	
5437CEN	037103212733	Boxed	7	175	25/32	20	17/32	31	15/32	12	8.0	227	6
5438CEN	037103212788	Boxed	8	200	25/32	20	17/32	31	15/32	12	11.04	313	6

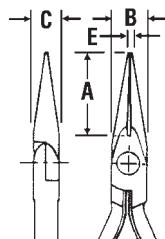
Long Chain Nose Side Cutting Pliers



- Designed for reaching confined areas
- Long chain nose with fine serrated jaws to make wire loops and bends
- Electronically induction hardened and hand-honed, keen side cutting edges
- Made of forged alloy tool steel and individually tested for strength and cutting ability
- Polished head
- Plain handles or red double dipped non-slip cushion handle grips

Cat No.	UPC No.	Packed	Length		A		B		C		D		E		Tool weight		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	oz	g	
6546N	037103212795	Boxed	6 5/8	168	1 7/8	48	11/16	17	3/8	10	1/2	13	3/32	2.4dia	6.08	172	6
6546CBKN	037103212849	Bulk	6 5/8	168	1 7/8	48	11/16	17	3/8	10	1/2	13	3/32	2.4dia	6.08	172	-/144
6546CVSMLN	037103212832	Carded	6 5/8	168	1 7/8	48	11/16	17	3/8	10	1/2	13	3/32	2.4dia	6	168	3
6546SCN	037103212825	Boxed	6 5/8	168	1 7/8	48	11/16	17	3/8	10	1/2	13	3/32	2.4dia	6.08	172	6
6547N	037103212962	Boxed	7 1/2	191	2 21/32	67	3/4	19	3/8	10	1/2	13	5/32 x 3/32	4x2	7.04	200	6
6547CBKN	037103212986	Bulk	7 1/2	191	2 21/32	67	3/4	19	3/8	10	1/2	13	5/32 x 3/32	4x2	7.04	200	-/144
6547CVN	037103214898	Carded	7 1/2	191	2 21/32	67	3/4	19	3/8	10	1/2	13	5/32 x 3/32	4x2	7.04	200	6

Long Chain Nose

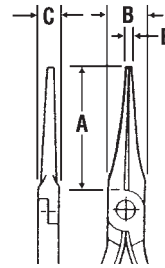


- Designed for radio, telephone and other electronic work in confined areas
- Long chain nose with serrated jaws to make loops
- Electronically induction hardened
- Made of forged alloy tool steel and individually tested for strength
- Polished head
- Red double dipped non-slip cushion handle grips

Cat No.	UPC No.	Packed	Length		A		B		C		E		Tool weight		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	oz	g	
10336CVN	037103212900	Carded	6 5/8	168	17/8	48	11/16	17	3/8	10	3/32	2.4 dia.	5.92	168	6
10337CVN	037103213013	Carded	7 1/2	191	2 21/32	67	3/4	19	3/8	10	5/32 x 3/32	4 x 2.4	7.04	200	6

Long Needle Nose Pliers

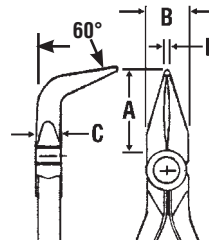
- Designed for work in tight, narrow areas
- Long needle nose with serrated jaws for excellent gripping ability
- Made of forged alloy tool steel and individually tested for strength
- Polished head
- Red double dipped non-slip cushion handle grips
- Available with coil spring between handles



Cat No.	UPC No.	Packed	Length		A		B		C		E		Tool weight		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	oz	g	
7776CVN	037103213372	Carded	6 1/2	165	2 1/16	52	11/16	17	11/32	9	1/8 x 3/32	3 x 2.4	4.00	113	6
7776SCN	037103213389	Boxed	6 1/2	165	2 1/16	52	11/16	17	11/32	9	1/8 x 3/32	3 x 2.4	4.96	141	6
7777CVN	037103213396	Carded	7 15/32	190	2 11/16	68	11/16	17	21/64	8	5/32 x 3/32	4 x 2.4	6.24	177	6

Curved Needle Nose Pliers

- Designed for working in out-of-the-way confined corners
- Thin bent nose with tempered jaws return to normal when pressure is released
- Electronically induction hardened
- Made of forged alloy tool steel and individually tested for strength
- Polished head
- Red double dipped non-slip cushion handle grips



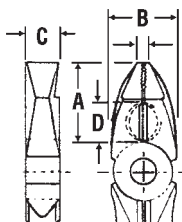
Cat No.	UPC No.	Packed	Length		A		B		C		E		Tool weight		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	oz	g	
8886CVN	037103213020	Carded	6	150	1	25	11/16	17	3/8	10	3/32	2.4	6.72	191	6

Lineman's Pliers



Solid joint lineman's pliers are made of forged steel with polished heads. Durable, keen and induction hardened cutting edges. Available with either red double dipped cushion handle grips.

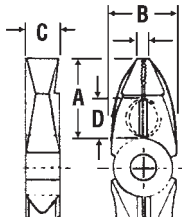
Side Cutting Pliers



- Designed for electrical work
- Electronically induction hardened, durable and keen side cutting edges
- Made of forged alloy tool steel
- Polished head
- Spring tempered handles with red double dipped non-slip cushion handle grips

Cat No.	UPC No.	Packed	Length		A		B		C		D		Tool weight		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	oz	g	
507CVN	037103213440	Carded	7 1/4	184	1 9/32	33	1	25	1/2	13	5/8	16	9.92	281	6
508CVN	037103213365	Carded	8 5/16	211	1 15/32	37	1 1/8	28	9/16	14	3/4	19	13.92	395	6

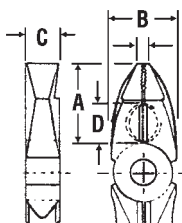
Heavy-Duty Side Cutting Pliers



- Designed for heavy-duty requirements of linemen and cutting many gauges of wire
- Electronically induction hardened, durable and keen, high leverage side cutting edges
- Made of forged alloy tool steel
- Polished head
- Handles with red double dipped non-slip cushion handle grips
- With cutting edge relief

Cat No.	UPC No.	Packed	Length		A		B		C		D		Tool weight		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	oz	g	
19507CVN	037103213402	Carded	7 1/4	184	1 9/32	33	1 1/8	29	1/2	13	5/8	16	10.56	299	6
19508CVN	037103213419	Carded	8 5/8	219	1 1/2	38	1 3/16	30	5/8	16	3/4	19	15.0	426	6

Lineman's High Leverage Pliers

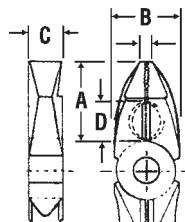


- Streamlined head design allows easy sliding in and out of belt loops
- Cutting edges cut clean and remain sharp
- Electronically induction hardened, durable and hand honed
- Made of forged alloy steel
- Select either plain handles, Crestex or red double dipped non-slip cushion handle grips
- With cutting edge relief

Cat No.	UPC No.	Packed	Length		A		B		C		D		Tool weight		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	oz	g	
20509N	037103213792	Boxed	9 1/4	235	1 9/16	40	1 9/32	33	5/8	16	13/16	21	18.4	522	6
20509CVSMLN	037103213815	Carded	9 1/4	235	1 9/16	40	1 9/32	33	5/8	16	13/16	21	18.4	522	3
20509IVN	037103213822	Carded	9 1/4	235	1 9/16	40	1 9/32	33	5/8	16	13/16	21	18.4	522	6

Lineman's High Leverage Round Nose Pliers

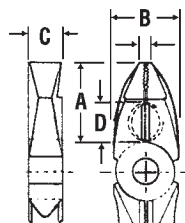
- Streamlined head design allows easy sliding in and out of belt loops
- Cutting edges cut clean and remain sharp
- Electronically induction hardened, durable and hand honed
- Made of forged alloy steel
- Handles with red double dipped non-slip cushion handle grips
- With cutting edge relief



Cat No.	UPC No.	Packed	Length		A		B		C		D		Tool weight		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	oz	g	
21508CVN	037103213426	Carded	8 1/2	216	1 7/16	37	1 3/16	30	5/8	16	3/4	19	15.04	426	6

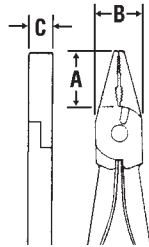
Ironworker's Pliers

- Designed for ironworkers to tie concrete reinforcing bars
- Jaws remain open with coil spring yet close with normal grip
- Electronically induction hardened
- Made of forged alloy tool steel
- Polished head
- Hook bend handle to reduce slippage when gripping and pulling
- Handles with red double dipped non-slip cushion handle grips
- With cutting edge relief



Cat No.	UPC No.	Packed	Length		A		B		C		D		Tool weight		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	oz	g	
20509WSCVSM LN	037103213839	Carded	9 1/4	235	1 9/16	40	1 9/32	33	5/8	16	13/16	21	18.4	522	3

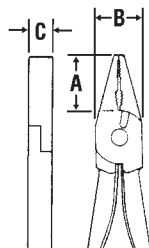
Button Pliers Fence Tool



- Button cutting pliers
- Designed for construction and maintenance of wire fencing
- Flat nose style with 3 wire cutters, pipe grips and teeth in extreme tip of nose
- Hardened durable cutting edges
- Made of forged alloy tool steel
- Polished head
- Knurled handles

Cat No.	UPC No.	Packed	Length		A		B		C		Tool weight		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	oz	g	
10008VN	037103213068	Carded	8	200	1 9/32	33	1 3/8	35	9/16	14	15.04	426	6
100010VN	037103213051	Carded	10 1/4	260	1 1/2	38	1 9/16	40	5/8	16	20.64	585	6
100012VN	037103213099	Carded	12	300	1 1/2	38	1 9/16	40	45/64	17.5	29.6	839	6

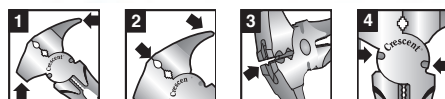
Button Pliers Fence Tool, Straighter Handle Design



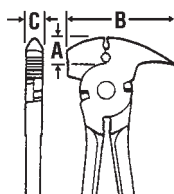
- Button cutting pliers
- Designed for construction and maintenance of wire fencing
- 3 wire cutters
- Pipe grips
- Hardened durable cutting edges
- Forged alloy tool steel
- Polished head
- Knurled handles are straighter than 100010VN version
- Narrower gripping area than 100010VN version

Cat No.	UPC No.	Packed	Length		A		B		C		Tool weight		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	oz	g	
100010DN	037103213044	Carded	10 1/4	260	1 1/2	38	1 9/16	40	5/8	16	15.04	426	6

Heavy-Duty Fence Tool Pliers



- 1 Corrugated Hammer Head with Heavy Prong pulls nails and wire
- 2 Staple Starter/Puller
- 3 Two Staple Grips in nose
- 4 Two Hardened Wire Cutters cut clean and remain sharp

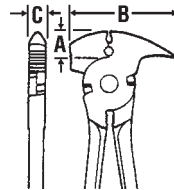


- Should not be used to hammer hardened materials
- 2 staple grips in nose
- Corrugated hammer head with heavy prong to easily reach and pull rusty staples
- Special opening in head allows both wire and staple to be gripped
- 2 electronically induction hardened durable wire cutters
- Made of forged alloy tool steel
- Polished head
- Plain handles or red double dipped non-slip cushion handle grips
- Stretches wire tight before fastening

Cat No.	UPC No.	Packed	Length		A		B		C		Tool weight		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	oz	g	
193610VN	037103212955	Carded	10 7/16	265	1 1/16	27	3 5/8	91	19/32	15	24.96	708	6
193610CVSMN	037103212948	Carded	10 7/16	265	1 1/16	27	3 5/8	91	19/32	15	30.0	844	3

Fence Pliers and Staple Puller

- Should not be used to hammer hardened materials
- Only tool needed for work on metal or wood posts; has starting and pulling joint on one jaw with corrugated hammer on the other
- Stretches wire tight before fastening
- Wire cutter on each side cuts double strand barbed wire
- Dual head design - corrugated head drives staples; hardened, pointed head pulls staples and lift lugs
- Heavy-duty lock-joint construction increases tool life
- Gun metal, knurled grip handles
- Offered with red double dipped non-slip cushion handle grips to increase user comfort and reduce fatigue



-
- 1 Corrugated Hammer Head with Heavy Prong pulls nails and wire
 - 2 Staple Starter/Puller
 - 3 Two Staple Grips in nose
 - 4 Two Hardened Wire Cutters cut clean and remain sharp

Cat No.	UPC No.	Packed	Length Inch mm	A Inch mm	B Inch mm	C Inch mm	Tool weight oz g	Shelf Pack
193410VN	037103213082	Boxed	10 5/16 258	3/4 19	3 3/16 80	19/32 15	22.51 638	6
193410CVN	037103213075	Carded	10 5/16 258	3/4 19	3 3/16 80	19/32 15	25.60 726	6

Plastic Cutting Pliers

- Sharp, flush ground cutting edges, flush ground cutter backs and a selection of head designs permit close trimming and accurate cutting in confined areas
- 15° face angle
- Blue “puffy” handle grips and handle springs on all models provide user comfort and reduce fatigue
- Choice of models with right or lefthand ergonomic handle designs to reduce fatigue from repetitive cutting while increasing productivity

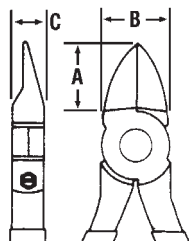


WARNING	AVERTISSEMENT	ADVERTENCIA
 Risk Of Eye Injury Wear ANSI Approved Eye Protection	Risque de dommages d'œil Protection d'œil approuvée de l'usage A.N.S.I.	Riesgo de lesión del ojo Protección de ojo aprobada del desgaste ANSI

CAUTION

1. Always wear approved eye protection.
2. “Puffy” handle grips are not intended to provide protection against electric shock. Do not use on or near energized circuits.
3. Crescent® brand Plastic Cutting Tools are not intended for cutting metal or wire.
4. Crescent® brand plastic cutting tools include diagonal cutters, nippers and angled cutters. Designed and manufactured to the highest quality standards, they provide high reliability and efficiency in a wide range of plastic cutting and trimming applications. Ideal for removing gates and sprues from injection molded parts.

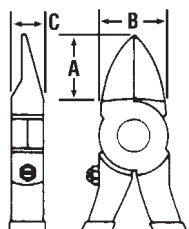
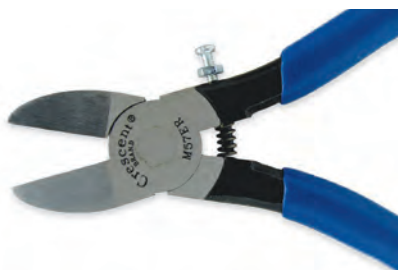
Heavy-Duty Cutter



- Heavy-duty diagonal cutter
- Flush ground back for close cutting
- Adjustable stops prolong cutting edge life
- Handle coil springs reduce user fatigue

Cat No.	UPC No.	Packed	Length		A		B		C		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
M56RPN	037103213532	Boxed	6	150	27/32	21	23/32	18	13/32	10	.38	172	1
M57RPN	037103213556	Boxed	7	175	1 3/32	27	29/32	23	31/64	12	.56	254	1

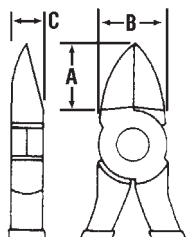
Ergonomic Heavy-Duty Cutter



- Heavy-duty diagonal cutter
- Ergonomically designed handles increase productivity by reducing user fatigue and allowing easier gripping and control
- Adjustable stops prolong cutting edge life
- Handle coil springs reduce user fatigue
- Flush ground back for close cutting

Cat No.	UPC No.	Packed	Length		A		B		C		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
M57ERN	037103213549	Boxed	7	175	1 1/16	27	59/64	24	1/2	13	.50	227	1

Diagonal Cutter - Flush Ground

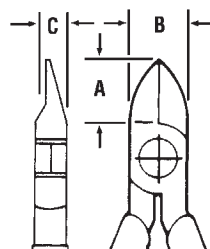


- Ideal for close trimming of gates and sprue on injection molded plastic parts
- Flush ground, oval shaped jaws with fine point permit use in confined areas
- Polished head
- Handle coil springs reduce user fatigue

Cat No.	UPC No.	Packed	Length		A		B		C		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
TP55N	037103213358	Boxed	5	125	49/64	20	5/8	16	11/32	9	.25	113	1
TP56N	037103213587	Boxed	6	150	53/64	21	23/32	18	13/32	11	.38	172	1
TP57N	037103213594	Boxed	7	175	1 1/16	27	55/64	22	15/32	12	.50	227	1

Thin Diagonal Cutter

- Extra slim design
- Ground flat on back side
- Handle coil springs reduce user fatigue
- Flush ground edges
- Oval shape jaws with fine point are throat relief ground for clearance

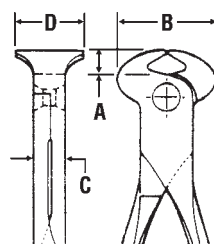


Crescent

Cat No.	UPC No.	Packed	Length		A		B		C		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
P43N	037103213563	Boxed	4	100	41/64	16	37/64	14	11/32	9	.19	86	1
TP53N	037103213570	Boxed	5	125	25/32	20	5/8	16	23/64	9	.25	113	1
TP63N	037103213600	Boxed	6	150	27/32	22	47/64	19	13/32	11	.38	172	1
TP73N	037103213846	Boxed	7	175	1 1/16	27	29/32	23	29/64	12	.50	227	1

End Cutting Nippers

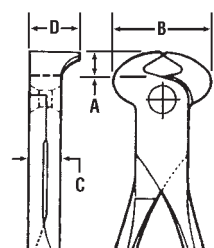
- Top quality end cutting tool
- Precision manufactured from forged alloy tool steel
- Handles with carefully designed leverage ratio to blades for easier cutting
- Carefully designed throat clearance and rivet size
- Electronically induction hardened, carefully designed, angled cutting edges and blade sizes
- Plain handles or red double dipped non-slip cushion handle grips



Cat No.	UPC No.	Packed	Length		A		B		C		D		Tool weight		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	oz	g	
727VN	037103213167	Carded	7 1/4	184	3/8	10	1 3/4	44	17/32	13	13/16	30	12.00	340	6
727CVN	037103213150	Carded	7 1/4	184	3/8	10	1 3/4	44	17/32	13	13/16	30	12.00	340	6
728VN	037103213129	Carded	8 1/4	210	3/8	10	1 3/4	44	17/32	13	13/16	30	16.00	454	6
728CVN	037103213112	Carded	8 1/4	210	3/8	10	1 3/4	44	17/32	13	13/16	30	16.00	454	6
729CVN	037103213143	Carded	9 1/4	235	13/32	11	1 7/8	46	19/32	15	11/4	32	16.96	481	6

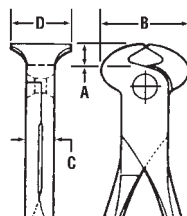
Carbide Cutters

- Professional nippers
- Long lasting carbide cutting edges
- Handle spring to reduce fatigue and permit fast, repetitive cutting
- Red double dipped non-slip cushion handle grips



Cat No.	UPC No.	Packed	Length		A		B		C		D		Pack Wt.		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	lb	g	
GT28CN	037103213785	Boxed	8	200	41/64	16	1 15/16	48	29/64	11	13/16	20	.69	313	1

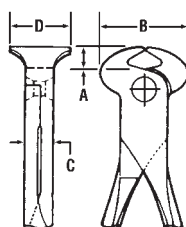
Carpenter's Pincers



- Rugged, general use tool
- Ideal for cutting or pulling nails and wire
- Electronically induction hardened cutting edges give long lasting cutting performance
- Drop-forged from high quality tool steel
- Polished head
- Black finish

Cat No.	UPC No.	Packed	Length Inch mm	A Inch mm	B Inch mm	C Inch mm	D Inch mm	Pack Wt. lb g	Shelf Pack
GG08HN	037103213778	Carded	8 200	43/64 17	2 1/8 53	9/16 14	51/64 20	4.13 1873	5

Heavy-Duty Cutting Nippers



- Strong, lightweight design for demanding construction use
- Electronically induction hardened cutting edges give long lasting cutting performance
- Drop-forged from high quality tool steel with heat-treated and tempered handles and jaws
- Polished head
- Develops high leverage to cut large diameter nails and wire
- Black finish

Cat No.	UPC No.	Packed	Length Inch mm	A Inch mm	B Inch mm	C Inch mm	D Inch mm	Pack Wt. lb g	Shelf Pack
GG010HN	037103213754	Carded	10 250	41/64 16	2 5/32 54	37/64 14	25/32 20	5.00 2268	5
GG014HN	037103213761	Carded	14 350	23/32 18	2 21/32 66	41/64 16	7/8 22	11.19 5076	5

Nail Puller



- Box-joint, forged alloy, hardened and tempered jaw
- Black enamel finish
- Conforms to U.S. Fed. Spec. GGG-P-791b, Type 1, Class-1

Cat No.	UPC No.	Packed	Length Inch mm	Full Extension Inch mm	Tool weight oz g	Shelf Pack
56	037103462848	Boxed	19 483	24 610	62 1758	1

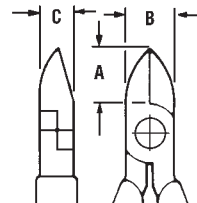
Pro Series Compound Action Cutting Pliers

- Increased cutting pressure by 50%
- Chrome vanadium steel for increased durability
- Co-molded grips for added comfort and superior control
- Hardened throughout for durability and long life
- Induction hardened edges for long cutting life
- Lighter than standard pliers reduces hand fatigue



Pro Series Diagonal Compound Action Cutting Pliers

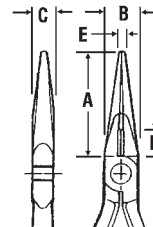
- Increased cutting pressure by 50%
- Chrome vanadium steel for increased durability
- Co-molded grips for added comfort, and superior control
- Hardened throughout for durability and long life
- Induction hardened edges for long cutting life
- Lighter than standard pliers reduces hand fatigue



Cat No.	UPC No.	Packed	Length		A		B		C		Tool weight		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	oz	g	
PS5429C	037103216847	Carded	8	203	1	25	31/32	24	13/32	10	9	249	3

Pro Series Long Nose Compound Action Cutting Pliers

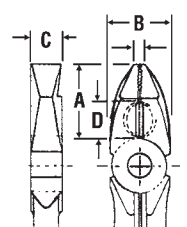
- Increased cutting pressure by 50%
- Chrome vanadium steel for increased durability
- Co-molded grips for added comfort, and superior control
- Hardened throughout for durability and long life
- Induction hardened edges for long cutting life
- Lighter than standard pliers reduces hand fatigue



Cat No.	UPC No.	Packed	Length		A		B		C		D		E		Tool weight		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	oz	g	
PS6549C	037103216823	Carded	9	229	2 1/8	54	1	25	7/16	11	5/8	16	1/8	3.2	10	272	3

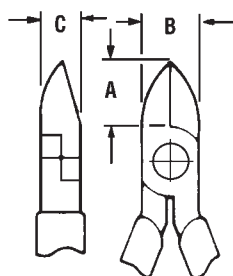
Pro Series Linesman Compound Action Cutting Pliers

- Increased cutting pressure by 50%
- Chrome vanadium steel for increased durability
- Co-molded grips for added comfort, and superior control
- Hardened throughout for durability and long life
- Induction hardened edges for long cutting life
- Lighter than standard pliers reduces hand fatigue



Cat No.	UPC No.	Packed	Length		A		B		C		D		Tool weight		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	oz	g	
PS20509C	037103216861	Carded	8	203	1 1/8	29	1	25	7/16	11	9/16	14	10	272	3

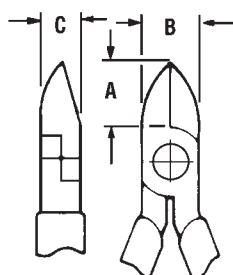
Pro Series Diagonal Cutting Pliers



- Co-molded grips for added comfort, and superior control
- Precision-manufactured from heat-treated forged alloy tool steel for increased toughness and durability
- Longer handles provide additional leverage for easier cutting
- Laser-hardened cutting edges for longer cutting life

Cat No.	UPC No.	Packed	Length		A		B		C		Tool weight		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	oz	g	
9336CMG	037103214799	Carded	6	150	13/16	21	3/4	19	7/16	11	6.08	172	3
9337CMG	037103214829	Carded	7	175	1	25	29/32	23	15/32	12	8.0	227	3

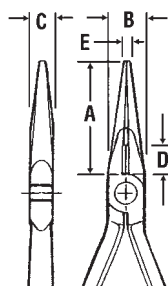
Pro Series Heavy Duty Diagonal Cutting Pliers



- Co-molded grips for added comfort, and superior control
- Precision-manufactured from heat-treated forged alloy tool steel for increased toughness and durability
- Longer handles provide additional leverage for easier cutting
- Larger head and rivet for heavy-duty use
- Laser-hardened cutting edges for longer cutting life

Cat No.	UPC No.	Packed	Length		Inch	A mm	B		C		Tool weight		Shelf Pack
			Inch	mm			Inch	mm	Inch	mm	oz	g	
5427CMG	037103214669	Carded	7	175	25/32	20	1 7/32	31	15/32	12	8.96	254	3
5428CMG	037103214867	Carded	8	200	25/32	20	1 7/32	31	15/32	13	12.0	340	3

Pro Series Side Cutting Pliers

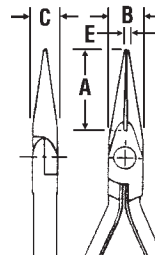


- Co-molded grips for added comfort, and superior control
- Precision-manufactured from heat-treated forged alloy tool steel for increased toughness and durability
- Longer handles provide additional leverage for easier cutting
- Laser-hardened cutting edges for longer cutting life

Cat No.	UPC No.	Packed	Length		A		B		C		D		Tool weight		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	oz	g	
508CMG	037103214805	Carded	8 5/16	211	1 15/32	37	1 1/8	28	9/16	14	3/4	19	13.92	395	3

Pro Series Long Chain Nose Cutting Pliers

- Co-molded grips for added comfort, and superior control
- Precision-manufactured from heat-treated forged alloy tool steel for increased toughness and durability
- Longer handles provide additional leverage for easier cutting
- Longer chain nose style for easier access to tight spaces

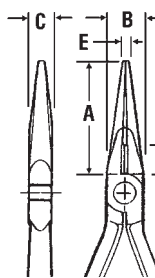


Crescent

Cat No.	UPC No.	Packed	Length		A		B		C		E		Tool weight		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	oz	g	
10336CMG	037103214881	Carded	6 5/8	168	17/8	48	11/16	17	3/8	10	3/32	2.4 dia.	5.92	168	3
10337CMG	037103214737	Carded	7 1/2	191	2 21/32	67	3/4	19	3/8	10	5/32 x 3/32	4 x 2.4	7.04	200	3

Pro Series Long Chain Nose Side Cutting Pliers

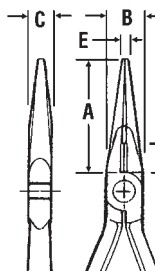
- Co-molded grips for added comfort, and superior control
- Precision-manufactured from heat-treated forged alloy tool steel for increased toughness and durability
- Longer handles provide additional leverage for easier cutting
- Longer chain nose style for easier access to tight spaces
- Laser-hardened cutting edges for longer cutting life



Cat No.	UPC No.	Packed	Length		A		B		C		D		E		Tool weight		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	oz	g	
6546CMG	037103214690	Carded	6 5/8	168	1 7/8	48	11/16	17	3/8	10	1/2	13	3/32	2.4dia	6.08	172	3
6547CMG	037103214720	Carded	7 1/2	191	2 21/32	67	3/4	19	3/8	10	1/2	13	5/32 x 3/32	4x2	7.04	200	3

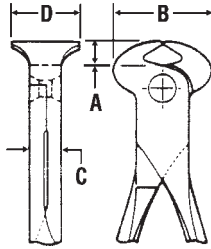
Pro Series Long Nose Side Cutting Pliers

- Co-molded grips for added comfort, and superior control
- Precision-manufactured from heat-treated forged alloy tool steel for increased toughness and durability
- Longer handles provide additional leverage for easier cutting
- Laser-hardened cutting edges for longer cutting life



Cat No.	UPC No.	Packed	Length		A		B		C		Tool weight		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	oz	g	
6548CMG	037103214904	Carded	8	200	1 7/16	31	25/32	20	15/32	12	6.08	172	3

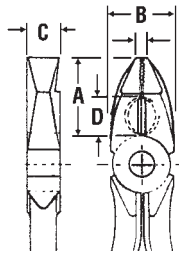
Pro Series End Cutting Nippers



- Co-molded grips for added comfort, and superior control
- Precision-manufactured from heat-treated forged alloy tool steel for increased toughness and durability
- Longer handles provide additional leverage for easier cutting
- Large throat clearance for improved versatility
- Large forward-positioned rivet designed to stand up to heavy use and maximize leverage
- Laser-hardened cutting edges for longer cutting life

Cat No.	UPC No.	Packed	Length		A		B		C		D		Tool weight		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	oz	g	
727CMG	037103214782	Carded	7 1/4	184	3/8	10	1 3/4	44	17/32	13	13/16	30	12.00	340	3
728CMG	037103214775	Carded	8 1/4	210	3/8	10	1 3/4	44	17/32	13	13/16	30	16.00	454	3

Pro Series Lineman's High Leverage Cutting Pliers



- Co-molded grips for added comfort, and superior control
- Precision-manufactured from heat-treated forged alloy tool steel for increased toughness and durability
- Longer handles provide additional leverage for easier cutting
- Forward-positioned rivet maximizes leverage while maintaining jaw capacity
- Laser-hardened cutting edges for longer cutting life

Cat No.	UPC No.	Packed	Length		A		B		C		D		Tool weight		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	oz	g	
20509CMG	037103214836	Carded	9 1/4	235	1 9/16	40	1 9/32	33	5/8	16	13/16	21	18.4	522	3

Retaining Ring Pliers - Convertable

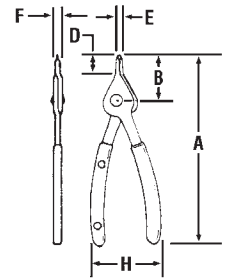
- Interchangeable design
- One pair replaces two for internal or external use; conversion is by simple relocation of pivot screw to adjacent tapped hole
- Cushion handle grips
- Carded with shelf pack of 5



	⚠ WARNING	⚠ AVERTISSEMENT	⚠ ADVERTENCIA
	Risk Of Eye Injury Wear ANSI Approved Eye Protection	Risque de dommages d'oeil Protection d'oeil approuvée de l'usage A.N.S.I.	Riesgo de lesión del ojo Protección de ojo aprobada del desgaste ANSI

CAUTION

1. Always wear approved eye protection.
2. Cushion handle grips are not intended to provide protection against electric shock. Do not use on or near energized circuits.
3. Never use retaining ring pliers for anything other than installing or removing retaining ring clips.
4. Always use the largest tips that fit the holes in retaining ring clips. Engage tips in holes as far as possible before squeezing plier handles. Make sure that retaining ring clips remain firmly gripped by plier tips.



Cat No.	UPC No.	Length Inch mm	A Inch mm	B Inch mm	D Inch mm	E Inch mm	F Inch mm	H Inch mm	Pack Wt. lb g	Shelf Pack
D32RH	043127063527	6 150	5 57/64 147	1 17/32 38	3/4 19	1 9/64 28	3/32 2	1 23/32 43	1.06 481	5
D34RH	043127080524	7 3/4 194	7 3/4 194	1 55/64 46	57/64 22	1 13/32 35	7/64 3	2 29/32 73	1.75 794	5

Shaft Dia. (in.)	Bore Dia. (in.)	Retaining Ring Series			Dash No.
		Anderton	Industrial	Truarc	
Ring Capacity - D32RH — Tip Size (in.) .047					
		1400	3100	5100	
11/16 - 7/8	-	1401	3101	5101	-68 thru -87
13/16 - 1	-	1408	4100	5108	-81 thru -100
3/16 - 1/4	-	1400	-	5555	-18, -25
		N1300	3000-X	N5000	
-	5/8 - 1.02	N1301	3001-X	N5001	-62 thru -102
-	1 - 1.02	N1302	-	N5002	-100 thru -102
-	1 1/16 - 1 3/8	1308	4000	5008	-106 thru -137
Ring Capacity - D34RH — Tip Size (in.) .070					
		1400	3100	5100	
15/16 - 1 7/16	-	1401	3101	5101	-93 thru -143
1 - 1 7/16	-	1402	-	5102	-100 thru -143
1 1/16 - 2	-	1408	4100	5108	-106 thru -200
7/16 - 3/4	-	1440	-	5555	-43 thru -75
	1 1/16	N1300	-	N5000	
-	to	N1301	-	N5001	-106 thru -175
	1 3/4	N1302	-	N5002	
-	1 7/16 - 2	1304	4000	5008	-143 thru -200

Retaining Ring Pliers Kit



- Cushion handle grips
- Kit contains one external ring plier, one internal ring plier, and one pair each of .035, .047 and .070 tips
- Available in skin pack only
- Never use retaining ring pliers for anything other than installing or removing retaining ring clips
- Always use the largest tips that fit the holes in retaining ring clips; engage tips in holes as far as possible before squeezing plier handles; make sure that retaining ring clips remain firmly gripped by plier tips

Cat No.	UPC No.	Packed	Shelf Pack
DR23H	043127068102	Carded	1

Internal Ring Capacity (DI35)

Bore Dia. (in.)	Retaining Ring Series			
	Anderton	Industrial	Truarc	Dash No.
	N1300	3000-X	N5000	-37 thru -175
3/8 - 1 3/4	N1301	3001-X	N5001	-100 thru -102
3/4 - 2	1308	4000	5008	-75 thru -200

External Ring Capacity (DE36)

Shaft Dia. (in.)	Retaining Ring Series			
	Anderton	Industrial	Truarc	Dash No.
	1400	3100	5100	-25 thru -143
1/4 - 1 7/16	1401	3101	5101	-100 thru -143
1/2 - 2	1408	4100	5108	-50 thru -200

Stripper Cutter



- Ideal for general purpose wire stripping and cutting
- Plier style nose permits pulling and looping of wire
- Strips and cuts 20 - 10 AWG and .5mm - 5.3mm wire sizes
- Full half-inch, scissor cutting edge cuts and strips clean down to the conductor
- Handle lock protects blades when not in use
- Lifetime pivot bearing and comfortable cushion handle grips
- Handle spring speeds scissor action

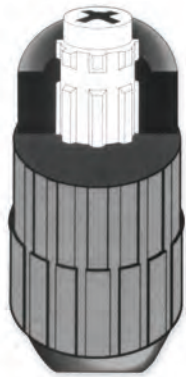
Cat No.	UPC No.	Packed	Length		Pack Wt.		Shelf Pack
			Inch	mm	lb	g	
WS15H	043127231506	Carded	6	150	1.56	708	5

Crimper/Cutter



- 5 in 1 scissor action tool - wire stripper, wire cutter, bolt cutter, plier and crimper
- Pliers nose permits wire pulling and looping
- Cleanly strips and cuts 10 - 22 AWG wire
- Cuts bolts through No. 10, leaving perfect lead thread
- Crimps insulated and non-insulated solderless terminals
- Lifetime pivot bearing and red cushion handle grips

Cat No.	UPC No.	Packed	Length		Pack Wt.		Shelf Pack
			Inch	mm	lb	g	
WS19H	043127071751	Carded	8	200	3.88	1760	5



Series 2000 Screwdrivers

The Crescent® brand “Driveshaft” tip is a much greater fit in slotted screws, reducing tendency to cam-out. A revolutionary alloy steel (to extend tip life) is incorporated into the Phillips® blade. All tips are vapor blasted to eliminate chipping.

The exclusive tapered, torque-enhancing, cushion grip interlocks with durable core to provide a more powerful and comfortable grip.

Features	Benefits	Available In
Wider tip	Allows damaged heads to be turned easily	Mechanics round and square blade
Alloy steel Phillips® blade	Extends blade life and provides a better fit	Electrician's round - and insulated
Unique stepped taper cushion grip handle	Comfort, reduced slippage and greater torque	Phillips® round - and insulated
		Square recess round - and insulated

Series 2000 Mechanic's Round Screwdriver

- Series 2000
- Round shaft
- Wide tip easily turns damaged heads
- Tapered, torque-enhancing cushion grip interlocks with durable core to provide a more powerful, and comfortable grip



Cat No.	UPC No.	Packed	Inch	mm	Inch	mm	Inch	mm	Tool weight oz	g	Shelf Pack
21433	037103466143	Bagged	3	76	1/4	6	6 3/4	171	4.32	122	6
21434	037103466167	Bagged	4	100	1/4	6	8 3/8	213	4.48	127	6
21436	037103466181	Bagged	6	150	5/16	8	11	279	6.40	181	6
21438	037103466204	Bagged	8	200	3/8	10	13 1/2	343	9.60	272	6
T214310	037103466228	Bagged	10	250	3/8	10	15 1/2	394	10.72	304	6

Series 2000 Mechanic's Square Screwdriver

- Square shaft
- Wide tip easily turns damaged heads
- Tapered, torque-enhancing cushion grip interlocks with durable core to provide a more powerful, and comfortable grip



Cat No.	UPC No.	Packed	Inch	mm	Inch	mm	Inch	mm	Tool weight oz	g	Shelf Pack
23434	037103466433	Bagged	4	100	1/4	6	8 3/8	213	4.48	127	6
23436	037103466457	Bagged	6	150	5/16	8	11	279	4.80	136	6
23438	037103466471	Bagged	8	200	3/8	10	13 1/2	343	10.93	310	6
234312	037103466495	Bagged	12	300	3/8	10	17 1/2	445	14.40	408	6

Series 2000 Electrician's Round Screwdriver



- Round shaft
- Wide tip easily turns damaged heads
- Tapered, torque-enhancing cushion grip interlocks with durable core to provide a more powerful, and comfortable grip

Cat No.	UPC No.	Packed	Length		Shaft Dia	Tip Width	Tip Length		Tool weight		Shelf Pack
			Inch	mm			Inch	mm	oz	g	
T21424	037103466105	Bagged	4	100	1/4	6	8 3/8	213	4.80	136	6
21426	037103466129	Bagged	6	150	1/4	6	10 3/8	264	5.33	151	6
22433	037103466297	Bagged	3	76	3/16	5	6 3/4	171	2.88	82	6
22434	037103466310	Bagged	4	100	3/16	5	7 3/4	197	3.20	91	6
22436	037103466334	Bagged	6	150	3/16	5	9 3/4	248	3.47	98	6
22438	037103466358	Bagged	8	200	3/16	5	11 3/4	298	3.73	106	6
224310	037103466372	Bagged	10	250	3/16	5	13 3/4	349	4.00	113	6

Series 2000 Special Electrician's Insulated Screwdriver



- Round, specially insulated shaft intended to reduce possibility of shorting wires
- Tapered, torque-enhancing cushion grip interlocks with durable core to provide a more powerful, and comfortable grip

Cat No.	UPC No.	Packed	Length		Shaft Dia	Tip Width	Tip Length		Tool weight		Shelf Pack
			Inch	mm			Inch	mm	oz	g	
24016	037103466808	Bagged	6	150	5/16	8	11	279	6.31	179	6

Square Shank Stubby



- Square shaft
- Wide tip easily turns damaged heads
- Tapered, torque-enhancing cushion grip interlocks with durable core to provide a more powerful, and comfortable grip

Cat No.	UPC No.	Packed	Length		Shaft Dia	Tip Width	Tip Length		Tool weight		Shelf Pack
			Inch	mm			Inch	mm	oz	g	
2343114	037103466419	Bagged	1 1/4	32	1/4	6	3 1/8	79	2.00	57	6

Series 2000 Genuine Phillips® Screwdriver

- Round shaft
- Alloy steel incorporated into blade extends tip life
- Tapered, torque-enhancing cushion grip interlocks with durable core to provide a more powerful, and comfortable grip



Crescent

Cat No.	UPC No.	Packed	Point Size	Inch mm		Inch mm		Inch mm		Tool weight oz g		Shelf Pack
25013	037103466518	Bagged	no.1	3	76	3/16	5	6 3/4	171	2.88	82	6
T25024	037103466532	Bagged	no.2	4	100	1/4	6	8 3/8	213	4.80	136	6
T2503	037103466556	Bagged	no.3	6	150	5/16	8	11	279	7.20	204	6
2504	037103466563	Bagged	no.4	8	200	3/8	10	13 1/2	343	11.52	327	6
T2522	037103466587	Bagged	no.2	1 1/4	32	1/4	6	3 1/8	171	2.00	57	6

Series 2000 Scratch Awl

- Round steel shaft
- Tapered, torque-enhancing cushion grip handle interlocks with durable core to provide a more powerful, and comfortable grip



Cat No.	UPC No.	Packed	Inch mm		Inch mm		Tool weight oz g		Shelf Pack
2245	037103466396	Bagged	3 7/8	98	7 5/8	194	3.47	98	6

Wood Handle Scratch Awl

- Round steel shaft
- Wood handle



Cat No.	UPC No.	Packed	Inch mm		Inch mm		Tool weight oz g		Shelf Pack
73	037103463012	Bagged	3 7/8	98	6 5/8	168	3.3	94	6

Series 2000 6 Piece Screwdriver Set

- Crescent® Brand Series 2000
- Set contains 6 popular-sized screwdrivers
- Available in convenient reusable roll-up pouch

Cat No.	UPC No.	Description	Set Weight lb g	Shelf Pack
2006	037103028396	Pouch Set	2.05 58.5	1
Contents:				
T22434		4" Electrician's Round		
25013		3" Genuine Phillips® No. 1		
25024		4" Genuine Phillips® No. 2		
21434		4" Mechanics Round		
21436		6" Mechanics Round		
23434		4" Mechanics Square		



Series 2000 8 Piece Screwdriver Set



- Crescent® Series 2000
- Set contains 8 popular-sized screwdrivers
- Available in convenient reusable roll-up vinyl pouch

Cat No.	UPC No.	Description	Set Weight		Shelf
			lb	g	Pack
2008MR	037103104649	Pouch Set	3	85	3
Contents:					
25013		3" Genuine Phillips® No.1			
25024		4" Genuine Phillips® No. 2			
2503		6" Genuine Phillips® No. 3			
21433		3" Mechanics Round			
21434		4" Mechanics Round			
21436		6" Mechanics Round			
21438		8" Mechanics Round			
2143114		1 1/4" Mechanics Round			

Series 2000 10 Piece Screwdriver Set






- Crescent® Series 2000
- Set contains 10 popular-sized screwdrivers
- Available in convenient reusable plastic pouch

Cat No.	UPC No.	Description	Set Weight		Shelf
			lb	g	Pack
T2010	037103028426	Pouch Set	3.2	90.7	1
Contents:					
22434		4" Electrician's Round			
22436		6" Electrician's Round			
24014		4" Insulated Elec. Round			
2522		1 1/4" Phillips® Stubby			
25013		3" Genuine Phillips® No.1			
25024		4" Genuine Phillips® No. 2			
21434		4" Mechanics Round			
21436		6" Mechanics Round			
21438		8" Mechanics Round			
23434		4" Mechanics Square			

Pocket Clip Screwdriver

- Round shaft
- Pocket clip on handle






Cat No.	UPC No.	Packed	Inch  mm		Inch  mm		Inch  mm		Tool weight oz g		Shelf Pack
5432	037103464842	Boxed	2	50	1/8	3	4 1/4	105	0.6	17	12

No. 0 Phillips® Pocket Clip Screwdriver

- Round shaft
- Pocket clip on handle



Cat No.	UPC No.	Packed	Inch  mm		Inch  mm		Inch  mm		Tool weight oz g		Shelf Pack
550	037103027405	Boxed	2	50	1/8	3	4 1/4	105	0.6	17	12

6 Piece Precision Screwdriver Set

- 6 piece precision driver set
- Includes both slotted and Phillips® drivers
- Can be used for jewelry repair, electronics repair, and detailed work



Cat No.	UP No.	Packed	Contents	Tool weight oz g		Shelf Pack
SDPS6	037103203144	Case	Set of 6 Precision Screwdrivers	7	34	4

Dura-Driver Screwdrivers



- Handle scientifically designed for most efficient transfer of muscle output to turning a fastener
- Ergonomic form eliminates pressure points and rubbing zones, reduces stress to hand and median nerve, for longer use without pain or fatigue
- Cushioned rubber cover and tri-oval shape conform with hand to prevent torsional and downward slippage, providing ideal combination of comfort and torque

- Tool steel shafts for strength and durability
- Bright zinc plated blade to prevent corrosion

Warning: Use of these screwdrivers cannot, itself, prevent the possibility of repetitive trauma injuries

Dura-Driver Mechanic's Round Screwdriver



- Round blades
- Ergonomic, high efficiency, high torque handle
- Cushioned rubber cover for comfort and slippage control
- Tool steel shafts for strength and durability
- Bright zinc plated blade to prevent corrosion

Cat No.	UPC No.	Packed	Inch mm		Inch mm		Inch mm		Tool Weight oz g		Shelf Pack
SDD41V	037103145505	Carded	1 1/4	33	1/4	6	4	100	2.4	68	3
SDD44V	037103145529	Carded	4	100	1/4	6	8 7/8	223	3.7	105	3
SDD44	037103145536	Bagged	4	100	1/4	6	8 7/8	223	3.7	105	1
SDD46V	037103145543	Carded	6	150	1/4	6	10 3/4	273	5.5	157	3
SDD56V	037103145567	Carded	6	150	5/16	8	11 1/8	278	6.2	177	3
SDD56	037103145574	Bagged	6	150	5/16	8	11 1/8	278	6.2	177	1

Dura-Driver Electrician's Round Screwdriver



- Round blades
- Ergonomic, high efficiency, high torque handle
- Cushioned rubber cover for comfort and slippage control
- Tool steel shafts for strength and durability
- Bright zinc plated blade to prevent corrosion

Cat No.	UPC No.	Packed	Inch mm		Inch mm		Inch mm		Tool Weight oz g		Shelf Pack
SDD33V	037103145581	Carded	3	76	3/16	5	7 1/4	181	1.7	48	3
SDD36V	037103145604	Carded	6	150	3/16	5	10 1/4	256	2.7	77	3
SDD36	037103145611	Bagged	6	150	3/16	5	10 1/4	256	2.7	77	1

Dura-Driver Genuine Phillips® Screwdriver

- Round blades
- Ergonomic, high efficiency, high torque handle
- Cushioned rubber cover for comfort and slippage control
- Tool steel shafts for strength and durability
- Bright zinc plated blade to prevent corrosion



Crescent

Cat No.	UPC No.	Packed	Inch	mm	Size	mm	Inch	mm	Tool weight oz	g	Shelf Pack
SDDP34V	037103145628	Carded	4	100	no. 1	5	8 1/4	206	1.7	48	3
SDDP34	037103145635	Bagged	4	100	no. 1	5	8 1/4	206	1.7	48	1
SDDP41V	037103145642	Carded	1 1/4	33	no. 2	6	4	100	2.4	68	3
SDDP44	037103145673	Bagged	4	100	no. 2	6	8 7/8	223	3.7	105	1
SDDP44V	037103145666	Carded	4	100	no. 2	6	8 7/8	223	3.7	105	3
SDDP46V	037103161864	Carded	6	150	no. 2	6	10 1/4	256	6.2	177	3
SDDP56V	037103145680	Carded	6	150	no. 3	8	10 1/4	256	6.2	177	3

Dura-Driver Screwdriver Sets

- Ergonomic, high efficiency, high torque handle
- Cushioned rubber cover for comfort and slippage control
- Tool steel shafts for strength and durability
- Brightly zinc plated blade to prevent corrosion



SDD6

Cat No.	UPC No.	Description	Shelf Pack
SDD4	037103145710	4 pc General Purpose Set - Carded	1
Contents:			
SDDP34		#1 x 4" Phillips®	
SDDP44		#2 x 4" Phillips®	
SDD44		1/4 x 4" Mechanic's Round	
SDD33		3/16 x 3" Electrician's Round	
SDD6	037103145727	6 pc General Purpose Set - Carded	1
Contents:			
SDDP34		#1 x 4" Phillips®	
SDDP44		#2 x 4" Phillips®	
SDD44		1/4 x 4" Mechanic's Round	
SDD46		1/4 x 6" Mechanic's Round	
SDD33		3/16 x 3" Electrician's Round	
SDD36		3/16 x 6" Electrician's Round	

Cat No.	UPC No.	Description	Shelf Pack
SDD10	037103145734	10 pc General Purpose Set - Carded	1
Contents:			
SDDP34		#1 x 4" Phillips®	
SDDP44		#2 x 4" Phillips®	
SDD44		1/4 x 4" Mechanic's Round	
SDD46		1/4 x 6" Mechanic's Round	
SDD33		3/16 x 3" Electrician's Round	
SDD36		3/16 x 6" Electrician's Round	
SDD41		1/4 x 1 1/4" Mechanic's Stubby	
SDDP41		#2 x 1 1/4" Phillips® Stubby	
SDBP12		#0 x 2" Phillips® Pocket Clip	
SDB12		1/8 x 2" Instrument Pocket Clip	

Dura-Driver Square Blade Screwdriver



- Square shaft
- Ergonomic, high efficiency, high torque handle
- Cushioned rubber cover for comfort and slippage control
- Tool steel shafts for strength and durability
- Blade coated to prevent corrosion

Cat No.	UPC No.	Packed	Length		Tip Diameter		Length		Tool Weight		Shelf Pack
			Inch	mm	Inch	mm	Inch	mm	oz	g	
SDDS44	037103161895	Bagged	4	100	1/4	6	8 3/4	222	3.4	96.4	6
SDDS44V	037103161901	Carded	4	100	1/4	6	8 3/4	222	1.3	36.9	6
SDDS56	037103161918	Bagged	6	150	5/16	8	11	275	2.3	62.2	6
SDDS56V	037103161925	Carded	6	150	5/16	8	11	275	2.4	68.0	6

Dura-Driver Square Socket Screwdriver



- Round shaft
- Ergonomic, high efficiency, high torque handle
- Cushioned rubber cover for comfort and slippage control
- Tool steel shafts for strength and durability
- Blade coated to prevent corrosion

Cat No.	UPC No.	Packed	Length		Point Size	Length		Tool Weight		Shelf Pack
			Inch	mm		Inch	mm	oz	g	
SDDK14V	037103145741	Carded	4	100	no. 1	8 7/8	223	3.8	109	3
SDDK24V	037103145758	Carded	4	100	no. 2	8 7/8	223	3.8	109	3

SDMB7CDP Interchangeable Bit Driver



- 7-in-1 screwdriver
- Ergonomic, high efficiency, high torque handle
- Cushioned rubber cover for comfort and slippage control
- Industrial strength S2 steel bits provides longest service without breakage

Cat No.	UPC No.	Description	Set Weight		Shelf Pack
oz	g				
SDMB7V	037103166555	7-in-1 Driver Carded	10	284	3
SDMB7CDP	037103166548	7-in-1 Driver POP box	10	284	12

Components of SDMB7 screwdriver:

#1 Phillips® x 3/16" Slotted

#2 Phillips® x 9/32" Slotted

1/4" x 5/16" and 7/16" Nutdrivers

25 Pc Ratcheting Telescoping Magnetic Bit Screwdriver

- Non-slip grip stops slippage for higher torque
- Three position ratchet mechanism; Fwd/Lock/Rev
- Release button for bit storage holder
- Hidden bit storage compartment in handle
- Sturdy holder keeps six bits handy and secure
- Telescoping magnetic shaft makes it easier to retrieve metal fasteners



Cat No.	UPC No.	Description	Set Weight oz	g	Shelf Pack
SDMBRT25	037103203137	25-in-1 Bit Driver, Cdd	16	454	4

Components of SDMBRT25 screwdriver:

6 Power Nutdrivers:

3/16", 1/4", 9/32", 5/16", 11/32", 3/8"

Screwdriver Bits:

#1 Phillips®, #2 Phillips®, #3 Phillips®, 3/16", 5/32", 1/4" Slotted; #1, #2 and #3 Square Recess; Torx® No. 6, 8, 10, 15 and 20; 5/32", 3/16" and 1/4" Hex

Interchangeable Bit Screwdrivers

- Chrome/Nickel plated for longer life
- Industrial quality tool steel bits, heat treated, tempered and stress relieved blast finished



CMB4V

Cat No.	UPC No.	Description	Handle Color	Pack Weight lb	kg	Shelf Pack
CMB4V	037103150929	4-in-1 Interchangeable Bit Screwdriver Carded	Orange	1.86	0.84	6
CMB6V	037103150936	6-in-1 Interchangeable Bit Screwdriver Carded	Yellow	2.16	0.98	6
CMB6WCDP	037103143402	6-in-1 Interchangeable Bit Screwdriver Pop Display	Yellow	3.96	1.80	12

Components of Each Screwdriver

#CMB4	#CMB6
3/16" Slotted	3/16" Slotted
9/32" Slotted	9/32" Slotted
#1 Phillips®	#1 Phillips®
#2 Phillips®	#2 Phillips®
	1/4" Nutdriver
	5/16" Nutdriver

39 Piece Mechanics Ratcheting Screwdriver Kit



Screwdriver features:

- Ergonomic handle
- Non-slip grip stops slippage for higher torque
- Three position ratchet mechanism; Fwd/Lock/Rev
- Release button for bit storage holder
- Hidden bit storage compartment in handle
- Sturdy holder keeps six bits handy and secure
- Magnetic shaft makes bit changing easy

Kit features:

- Chrome vanadium sockets, with true-fit design, prevent rounding and stripping nuts and bolts
- Industrial strength S2 steel bits provide longest service without breakage

Warning: Use of these screwdrivers cannot, itself, prevent the possibility of repetitive trauma injuries

Cat No.	UPC No.	Description	Set Weight		Shelf
			oz	g	Pack
SDMBR1	037103171719	39 pc Mechanic's Screwdriver Kit	43	1219	1
Contents of SDMBR1 screwdriver kit:					
Dura-Driver Ratchet Screwdriver with 3 Torque positions					
9 Fractional Sockets		3/16" - 1/2"			
9 Metric Sockets		5mm - 13mm			
18 Screwdriver Bits					
2 Socket Adapters					

34 Piece Power Driving Ratcheting Screwdriver Kit



Screwdriver features:

- Ergonomic handle
- Non-slip grip stops slippage for higher torque
- Three position ratchet mechanism; Fwd/Lock/Rev
- Release button for bit storage holder
- Hidden bit storage compartment in handle
- Sturdy holder keeps six bits handy and secure
- Magnetic shaft makes bit changing easy

Kit features:

- Industrial strength S2 steel bits provide longest service without breakage

Warning: Use of these screwdrivers cannot, itself, prevent the possibility of repetitive trauma injuries

Cat No.	UPC No.	Description	Set Weight		Shelf
			oz	g	Pack
SDMBR2	037103171726	34 pc Power Driving Screwdriver Kit	42	1191	1
Contents of SDMBR2 screwdriver kit:					
Dura-Driver Ratchet Screwdriver with 3 Torque positions					
Stainless Magnetic Bit Holder with 1/4" Hex Drive					
7 Power Nutdrivers, SAE		3/16" - 7/16"			
7 Power Nutdrivers, Metric		5mm - 11mm			
18 Screwdriver Bits					

Dura-Driver Nutdrivers

- Color-coded for easy identification
- Ergonomic, high efficiency, high torque handle
- Cushioned rubber cover for comfort and slippage control
- Solid steel shafts



Cat No.	UPC No.	Packed	Blade Length		Hex Dia.		Overall Length		Shelf Pack
			Inch	mm		mm	Inch	mm	
SDDN1V	037103145833	Carded	3"	76	3/16	5	7 7/8	200	3
SDDN2V	037103145840	Carded	3"	76	1/4	6	7 7/8	200	3
SDDN3V	037103145857	Carded	3"	76	5/16	8	7 7/8	200	3
SDDN5V	037103145871	Carded	3"	76	3/8	9.4	7 7/8	200	3
SDDN6V	037103160997	Carded	3"	76	7/16	11	7 7/8	200	3
SDDN7V	037103161062	Carded	3"	76	1/2	12.7	7 7/8	200	3

Dura-Driver Nutdriver Set

- Color-coded for easy identification (inside panel)
- Ergonomic, high efficiency, high torque handle
- Cushioned rubber cover for comfort and slippage control
- Solid steel shafts

Cat No.	UPC No.	Description	Sets
SDDN	037103145888	5 pc Nutdriver Set - Carded	1
Contents:			
SDDN1		3/16" Nutdriver	
SDDN2		1/4" Nutdriver	
SDDN3		5/16" Nutdriver	
SDDN4		11/32" Nutdriver	
SDDN5		3/8" Nutdriver	



5 Piece Economy Nutdriver Set

- Shafts are precision machined, hardened, plated for protection and drilled
- For appliances, automobiles, bicycles, lamps and many other general uses

Cat No.	UPC No.	Description	Case Pack
ND1005	037103108265	5 pieces carded	12
Contents:		1 each of 3/16", 1/4", 5/16", 3/8", 7/16"	



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73	49	20509N.....	34	AC110BK	3	AT112C.....	5
550	51	20509WSCVSM LN.....	35	AC110C.....	4	AT112CV.....	5
2006	49	21508CVN	35	AC110CV	4	AT112V.....	4
2245	49	507CVN	34	AC110V.....	3	AT115.....	5
2503	50	508CMG.....	42	AC112.....	3	AT115SPUD.....	5
2504	49	508CVN	34	AC112BK	3	AT118.....	5
2522	50	52910KITN.....	27	AC112C.....	4	AT14	4
5432	51	52910N.....	27	AC112CV	4	AT14BK.....	4
21424	48	5427CMG.....	42	AC112V.....	3	AT14V.....	4
21426	48	5427CVN	31	AC115.....	3	AT16	4
21433	47, 50	5427N.....	31	AC115C.....	4	AT16BK.....	4
21434	47, 49, 50	5428CMG.....	42	AC115J.....	7	AT16C.....	5
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22433	48	5437CEN.....	32	AC118J.....	7	AT18	4
22434	48, 50	5438CEN.....	32	AC118PSK	7	AT18BK.....	4
22436	48, 50	6546CBKN	32	AC124.....	3	AT18C.....	5
22438	48	6546CMG.....	43	AC124J.....	7	AT18CV.....	5
23434	47, 49, 50	6546CVSM LN.....	32	AC124PSK	7	AT18V.....	4
23436	47	6546N.....	32	AC14.....	3	AT3.....	6
23438	47	6546SCN	32	AC14BK	3	AT610CS.....	6
24014	50	6547CBKN	32	AC14C.....	4	C10CV.....	20
24016	48	6547CMG.....	43	AC14CV	4	C10SV.....	20
25013	49, 50	6547CVN	32	AC14V.....	3	C11CCSV	22
25024	49, 50	6547N.....	32	AC16.....	3	C11CCV	22
214310	47	6548CMG.....	43	AC16BK	3	C18CCR	22
224310	48	727CMG.....	44	AC16C.....	4	C18CCS	22
234312	47	727CVN	39	AC16CV	4	C20H.....	23
2143114	50	727VN.....	39	AC16V.....	3	C5CV.....	20
2343114	48	728CMG.....	44	AC18.....	3	C6CCSV	22
100010DN	36	728CVN	39	AC18BK	3	C6CCV	22
100010VN.....	36	728VN.....	39	AC18C.....	4	C6NV	21
100012VN.....	36	729CVN	39	AC18CV	4	C711H.....	8
10008VN.....	36	7427CVN	31	AC18V.....	3	C715.....	8
10336CMG.....	43	7776CVN	33	AC3.....	6	C718.....	8
10336CVN	32	7776SCN	33	AC3C.....	6	C79H.....	8
10337CMG.....	43	7777CVN	33	AC5.....	6	C7CV.....	20
10337CVN	32	8886CVN	33	AC6NKWMP.....	7	C7SV.....	20
193410CVN	37	9336CMG.....	42	AC8NKWMP.....	7	C8SMV.....	23
193410VN.....	37	9336CVN	31	AT10SPUD.....	5	C9NV	21
193610VN.....	36	9336N.....	31	AT110.....	4	C9W.....	23
19507CVN	34	9336SCN	31	AT110BK.....	4	CLP2SET.....	21
19508CVN	34	9337CMG.....	42	AT110C.....	5	CLP3SET.....	21
2008MR.....	50	9337CVN	31	AT110CV.....	5	CLP3SETC	21
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FR16.....	18	GG08HN.....	40	SDD46V.....	52	WS19H.....	46
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FR22.....	18	H26N.....	26	SDD6.....	53		
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