



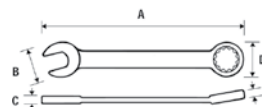
Made in U.S.A. OR OTHER FINE BRANDS

COMBINATION WRENCHES AND SETS

SERIES 871:



Made in U.S.A.



12 PT. COMBINATION WRENCHES

Size	Dimensions (Inch)					Order No.	Price
	A	B	C	D	E		
1/4"	3.99	.54	.18	.38	.23	20204	
5/16"	4.38	.72	.20	.47	.25	20206	
3/8"	5.32	.81	.20	.56	.29	0920208	
7/16"	5.88	.87	.24	.66	.30	20209	
1/2"	6.54	.98	.27	.75	.32	20210	
9/16"	7.13	1.14	.29	.84	.35	0920211	
5/8"	8.00	1.28	.32	.94	.39	0920212	
11/16"	8.81	1.39	.35	1.03	.42	0920213	
3/4"	9.67	1.50	.36	1.06	.45	20214	
13/16"	10.58	1.69	.37	1.18	.48	0920215	
7/8"	11.56	1.69	.38	1.28	.48	0920216	
15/16"	12.58	1.86	.39	1.37	.51	0920217	
1"	13.56	1.94	.42	1.47	.55	0920218	
1-1/16"	14.69	2.16	.44	1.61	.55	0920219	
1-1/8"	15.63	2.20	.48	1.65	.58	0920220	
1-1/4"	16.94	2.49	.51	1.82	.58	20222	
1-5/16"	18.31	2.52	.53	1.92	.62	20223	
1-3/8"	20.35	2.88	.78	2.16	.94	20224	
1-7/16"	20.35	2.88	.78	2.16	.94	20225	
1-1/2"	20.35	2.88	.78	2.16	.94	20226	
1-5/8"	24.08	3.44	.79	2.56	.98	20228	
1-11/16"	24.08	3.44	.79	2.56	.98	20229	
1-3/4"	26.09	3.70	.83	2.75	1.01	20230	
1-13/16"	26.09	3.70	.83	2.75	1.01	20231	
1-7/8"	27.10	3.88	.86	2.94	1.04	20232	
2"	28.75	4.88	.88	3.50	1.31	20234	
2-1/16"	28.75	4.88	.88	3.50	1.31	20235	
2-1/8"	28.75	4.88	.88	3.50	1.31	20236	
2-3/16"	28.75	4.88	.88	3.50	1.31	20237	
2-1/4"	28.75	4.88	.88	3.50	1.31	20238	
2-3/8"	28.75	4.88	.88	3.50	1.31	20239	
2-1/2"	28.75	4.88	.88	3.50	1.31	20240	

12 PT. METRIC COMBINATION WRENCHES

Size mm	Dimensions (Inch)					Order No.	Price
	A	B	C	D	E		
7	4.24	.53	.19	.44	.23	20307	
8	4.38	.72	.20	.47	.25	20308	
9	4.91	.70	.20	.52	.26	20309	
10	5.55	.81	.22	.62	.29	20310	
11	5.88	.87	.24	.66	.30	20311	
12	6.27	.94	.25	.72	.32	20312	
13	6.54	.98	.27	.75	.32	20313	
14	7.13	1.14	.29	.84	.35	20314	
15	7.59	1.20	.30	.90	.37	20315	
16	8.00	1.28	.32	.94	.39	20316	
17	8.45	1.36	.33	.99	.40	20317	
18	8.81	1.39	.35	1.03	.42	20318	
19	9.67	1.50	.36	1.06	.45	20319	
20	10.30	1.56	.36	1.13	.46	20320	
21	10.95	1.63	.37	1.21	.47	20321	
22	11.56	1.69	.38	1.28	.48	20322	
23	12.20	1.78	.38	1.33	.50	20323	
24	12.80	1.86	.39	1.38	.51	20324	
25	13.56	1.94	.42	1.47	.55	20325	
26	14.12	2.16	.44	1.61	.55	20326	
27	14.69	2.16	.44	1.61	.55	20327	
28	15.25	2.20	.48	1.65	.58	20328	
29	15.37	2.43	.52	1.78	.58	20329	
30	16.30	2.43	.52	1.78	.58	20330	
32	16.94	2.49	.51	1.82	.58	20332	

5 PIECE (12 Pt.) SET

Order No. 29022

Price

Order No.	Description	Order No.	Description
20206	5/16"	0920211	9/16"
0920208	3/8"		
20209	7/16"		
20210	1/2"		
		Pouch	

7 PIECE (12 Pt.) SET

Order No. 29014

Price

Order No.	Description	Order No.	Description
0920208	3/8"	0920213	11/16"
20209	7/16"	20214	3/4"
20210	1/2"	Tool Roll	
0920211	9/16"		
20212	5/8"		

14 PIECE (12 Pt.) SET

Order No. 29010

Price

Order No.	Description	Order No.	Description
0920208	3/8"	0920216	7/8"
20209	7/16"	0920217	15/16"
20210	1/2"	0920219	1-1/16"
0920211	9/16"	0920218	1"
0920212	5/8"	0920220	1-1/8"
0920213	11/16"	20222	1-1/4"
20214	3/4"		
0920215	3/16"	Tool Roll	

11 PIECE (12 Pt.) METRIC SET

Order No. 29017

Price

Order No.	Description	Order No.	Description
20307	7mm	20314	14mm
20308	8mm	20315	15mm
20309	9mm	20317	17mm
20310	10mm	20319	19mm
20311	11mm	Tool Roll	
20312	12mm		
20313	13mm		

18 PIECE (12 Pt.) INCH / METRIC SET

Order No. 29020

Price

Order No.	Description	Order No.	Description
20470	1/4"	20417	11mm
20471	5/16"	20418	12mm
20472	3/8"	20419	13mm
20473	7/16"	20420	14mm
20474	1/2"	20421	15mm
20475	9/16"	20422	16mm
20476	5/8"	20423	17mm
20477	11/16"	20424	18mm
20478	3/4"	High Density Polyethylene Case	
20416	10mm		



WRENCHES

SERIES 903:



GEARED HEAD BOX



- Access** : The small head design of the Geared Box Wrench allows access into tight areas and the 72 teeth ratcheting action allows the wrench to be turned easily while working in those tight areas. This is a combination guaranteed to make your job easier.
- Speed** : The short ratcheting arc allows the fastener to be turned in confined areas, which helps you get your work done quickly.
- Strength** : When you need to break loose tough fasteners or really tighten down a nut, the traditional box end - with its lobular design - keeps the wrench from slipping. And the long pattern forging gives you the extra leverage you need.

Individual Sizes

Size	Order No.	Price	Size	Order No.	Price
3/8"	0027510		10mm	9954510	
7/16"	0027511		11mm	9954511	
1/2"	0027512		12mm	9954512	
9/16"	0027513		13mm	9954513	
5/8"	0027514		14mm	9954514	
11/16"	0027515		15mm	9954515	
3/4"	0027516		16mm	9954516	
			17mm	9954517	
			18mm	9954518	
			19mm	9954519	

- Made in the U.S.A.** : The geared box Wrench has All Steel Construction and is forged and heat treated in the USA using high alloy, domestically produced steel.
- Safety** : The one piece design of the Geared Box Wrench won't split apart like a traditional ratcheting box wrench and the closed head design keeps out dirt and debris.
- All Steel Construction** : The Geared Box Wrench includes a precision machined steel insert ring.
- Lifetime Warranty** : If any Armstrong tool ever fails to give complete satisfaction, return it to your Armstrong Distributor and it will be repaired or replaced free of charge.

Sets (Supplied in vinyl roll)

Description	Order No.	Price
7 pc. Fractional: 3/8", 7/16, 1/2", 9/16", 5/8", 11/16", 3/4"	0027609	
10 Pc. Metric: 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm	9954609	
17 Pc. Combination Fractional/Metric: 3/8", 7/16", 1/2", 9/16, 5/8", 11/16", 3/4" 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm	0027708	

ADJUSTABLE FACE SPANNER

Order No.	Capacity Inches	Pin Specifications		Lgth Inches	Weight Lbs.	Price
		Extreme Diameter Inches	Height Inches			
34151	2	3/16	1/8	6-3/8	.32	
34154	3	1/4	3/16	8-1/4	.57	
34157	4	5/16	1/4	10-3/8	.99	

Pins forged integral with wrench and milled to exact sizes listed.



ADJUSTABLE HOOK SPANNER

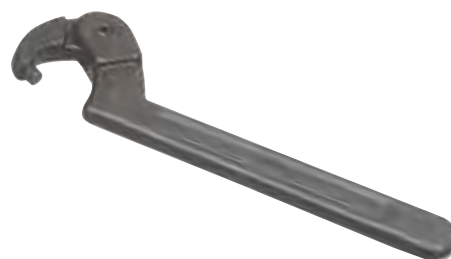
Order No.	Capacity Range for Diameters Inches	Hook Specifications		Lgth Inches	Weight Lbs.	Price
		Thickness Inches	Depth Inches			
34301	3/4 - 2	11/32	1/8	6-3/8	.27	
34305	1-1/4 - 3	13/32	5/32	8-1/8	.53	
34307	2 - 4-3/4	15/32	3/16	11-3/8	1.06	
34310	4-1/2 - 6-1/4	15/32	1/4	12-1/8	1.23	
34313	6-1/8 - 8-3/4	15/32	5/16	13-3/4	1.36	



ADJUSTABLE PIN SPANNER

Order No.	Capacity Range for Diameters Inches	Hook Thickness Inches	Pin Specifications		Lgth Inches	Weight Lbs.	Price
			Dia. Inches	Height Inches			
34351	3/4 - 2	11/32	1/8	1/8	6-3/8	.27	
34354	3/4 - 2	11/32	3/16	5/32	6-3/8	.27	
34358	1-1/4 - 3	13/32	3/16	3/16	8-1/8	.53	
34361	1-1/4 - 3	13/32	1/4	7/32	8-1/8	.49	
34363	2 - 4-3/4	15/32	1/4	1/4	11-3/8	1.07	
34366	4-1/2 - 6-1/4	15/32	3/8	1/4	12-1/8	1.20	

Pins forged integral with wrench and milled to exact sizes listed.



**BALL PEIN HAMMERS
WOOD HANDLES**


- Hardened and tempered on striking face
- Excellent wedging for longer life
- Faces polished
- Hammer perfectly balanced
- Seasoned wood handle

Size	Order No.	Price
1/16 lb.	4420219	
1/8 lb.	4420220	
1/4 lb.	4420221	
1/2 lb.	4420222	
3/4 lb.	4420223	
1 lb.	4420224	
1-1/2 lb.	4420225	
2 lb.	4420226	
3 lb.	4420227	

RUBBER MALLET - 16 oz


Non-mar smooth finish head of finest quality rubber. Smooth hardwood handle.

Order No. 2470000	Price
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DEAD-BLOW HAMMERS

- Made of extra durable polyurethane


STANDARD-HEAD

Face Dia.	Head Lgth	Weight	Order No.	Price
1-1/4"	3-1/8"	13 oz.	4420080	
1-3/4"	3-3/4"	21 oz.	4420148	
2"	4-1/8"	26 oz.	4420200	
2-1/4"	4-5/8"	45 oz.	4420216	
2-3/4"	5-3/8"	53 oz.	4420248	

JEWELER'S SCREWDRIVERS

SERIES 213:



High quality screwdrivers ideal for hobbyists, technicians, mechanics and do-it-yourselfers. Also used by jewelers, watchmakers, instrument makers, subminiature parts assemblers and model makers.


Four Bit Technician Screwdriver

- High quality screwdriver ideal for hobbyist, technician, mechanic and do-it-yourselfer.
- Four heat treated bits: Nos. 0 and 1 crosspoint, .125 and .100 straight blade.
- Bits store in handle.
- Knurled aluminum body with swivel head.
- Steel collet for greater strength.
- Overall size is 3/8" x 6-1/2".

Model No.	Order No.	Price
608	42561	

Jeweler's Screwdriver Set

- Nickel plated blade sizes: .100", .080", .070", .055", .040", .025".
- Screw chucks have identification rings showing blade size.
- Overall length 3-7/8".
- Conforms to government specifications GGG-S-1808.
- Plastic case.


Individual Screwdrivers

Model No.	Blade Width	Order No.	Price
600-0	.100	42515	
600-1	.080	42518	
600-2	.070	42521	
600-3	.055	42524	
600-4	.040	42527	
600-5	.025	42530	

Set of Six

Model No.	Order No.	Price
SPC600	42568	

**JEWELER'S
SCREWDRIVERS**

STARRETT SERIES 555:



- Screwdrivers are made for relatively small and delicate work.
- Bodies are made from steel, nicely knurled and are either nickel or chrome plated.
- Blades are replaceable and are made from the best quality steel, properly tempered and nickel plated.
- The swivel knobs are concave to fit the finger and are hexagonal in shape to prevent rolling when laid down.
- When not in use, blades can be reversed into the screwdriver body.
- Furnished in vinyl case.
- Approximate length 3-3/4"(95mm)

Blade Width- Inch(mm)	Catalog No.	EDP No.	Price
.025"(0.6mm)	555AA	52549	
.040"(1mm)	555A	52550	
.055"(1.4mm)	555B	52551	
.070"(1.8mm)	555C	52552	
.080"(2mm)	555D	52553	
.100"(2.5mm)	555E	52554	
#0 Phillips	555F	52561	

SETS

Description	Catalog No.	EDP No.	Price
Set of 6 – Nos. 555AA, A, B, C, D, E	S555Z-6	52564	
Set of 7 – Nos. 555AA, A, B, C, D, E, F	S555Z-7	52566	



SCREWDRIVERS

SERIES 802:



PRECISION SCREWDRIVERS

Precision screwdrivers have a tapered handle that allows rapid rotation. Precision handle, high quality plastic. Rotating cap for precise turning and control with fingertip. Blade CVM steel, hardened, chrome-plated. Precision ground tips for exact fit. Vapor chromed non-slip surface.

Order No.	Description	Price
26190	7 pc. Slotted/Phillips Set Slotted sizes: 1.5, 2.0, 2.5, 3.0mm Phillips sizes: 00,0,1	
26390	7 pc. Hex driver metric Hex metric sizes: 0.7, 0.9, 1.3, 1.5, 2.0, 2.5, 3.0mm	
26391	8 pc. Hex driver inch Hex inch sizes: .028, .035, .050, 1/16, 5/64, 3/32, 7/64, 1/8"	
26790	6 pc. Torx® Set Torx® sizes: T6, T7, T8, T9, T10, T15	
26008	SL 1/32" (.80mm) x 1.6" (40mm)	
26010	SL .039" (1.0mm) x 1.6" (40mm)	
26012	SL 3/64" (1.2mm) x 1.6" (40mm)	
26015	SL 1/16" (1.5mm) x 1.6" (40mm)	
26018	SL .070" (1.8mm) x 1.6" (40mm)	
26020	SL 5/64" (2.0mm) x 1.6" (40mm)	
26022	SL 5/64" (2.0mm) x 2" (50mm)	
26023	SL 5/64" (2.0mm) x 4" (100mm)	
26025	SL 3/32" (2.5mm) x 2" (50mm)	
26027	SL 3/32" (2.5mm) x 4" (100mm)	
26030	SL 1/8" (3.0mm) x 2" (50mm)	
26032	SL 1/8" (3.0mm) x 2.4" (60mm)	
26033	SL 1/8" (3.0mm) x 4" (100mm)	
26034	SL 1/8" (3.0mm) x 6" (150mm)	
26035	SL 9/64" (3.5mm) x 2.4" (60mm)	
26040	SL 5/32" (4.0mm) x 2.4" (60mm)	
26041	SL 5/32" (4.0mm) x 4" (100mm)	
26042	SL 5/32" (4.0mm) x 6" (150mm)	
26100	PH 00 x 1.6" (40mm)	
26102	PH 000 x 1.6" (40mm)	
26105	PH 0 x 2" (50mm)	
26108	PH 0 x 3" (75mm)	
26110	PH 1 x 2.4" (60mm)	
26113	PH 1 x 3.1" (80mm)	
9926115	PH 1 x 6" (150mm)	
26307	Hex .028" (0.7mm) x 1.6" (40mm)	
26309	Hex .035" (0.9mm) x 1.6" (40mm)	
26313	Hex .050" (1.27mm) x 1.6" (40mm)	
26316	Hex 1/16" x 2" (50mm)	
26320	Hex 5/64" (2.0mm) x 2" (50mm)	
26323	Hex 3/32" x 2.4" (60mm)	
26327	Hex 7/64" x 2.4" (60mm)	
26331	Hex 1/8" x 2.4" (60mm)	
26703	TX T3 x 1.6" (40mm)	
26704	TX T4 x 1.6" (40mm)	
26705	TX T5 x 1.6" (40mm)	
26706	TX T6 x 1.6" (40mm)	
26707	TX T7 x 1.6" (40mm)	
26708	TX T8 x 1.6" (40mm)	
26709	TX T9 x 2" (50mm)	
26710	TX T10 x 2" (50mm)	
26715	TX T15 x 2.4" (60mm)	
26720	TX T20 x 2.4" (60mm)	



SLOTTED

PHILLIPS

HEX

TORX

SOFTFINISH SCREWDRIVERS

Wiha SoftFinish Slotted/Phillips screwdrivers have ergonomic cushion grip handles, multicomponent. Round blade, high alloy CVM steel, hardened, chrome-plated. *Set includes: Slotted sizes: 3.0, 4.0, 6.5mm Phillips sizes: 1, 2



Order No.	Description	Price
30295	5 pc. Slotted/Phillips Set*	
30205	SL 1/8" (3.0mm) x 4" (100mm)	
30210	SL 9/64" (3.5mm) x 4" (100mm)	
9930215	SL 5/32" (4.0mm) x 4" (100mm)	
30217	SL 5/32" (4.0mm) x 6" (150mm)	
30220	SL 7/32" (5.5mm) x 5" (125mm)	
30223	SL 1/4" (6.5mm) x 4" (100mm)	
30225	SL 1/4" (6.5mm) x 6" (150mm)	
9930227	SL 5/16" (8.0mm) x 6" (150mm)	
30230	SL 5/16" (8.0mm) x 7" (175mm)	
30235	SL 3/8" (10.0mm) x 8" (200mm)	
31105	PH 0 x 2.4" (60mm)	
31110	PH 1 x 3.1" (80mm)	
31112	PH 1 x 8" (200mm)	
31114	PH 1 x 12" (300mm)	
31115	PH 2 x 4" (100mm)	
31117	PH 2 x 8" (200mm)	
31118	PH 2 x 12" (300mm)	
31120	PH 3 x 6" (150mm)	

SLOTTED

PHILLIPS

MICROFINISH SCREWDRIVERS

Wiha MicroFinish Slotted/Phillips screwdrivers have ergonomic nonslip grip handles, cellulose-acetate, impact resistant. Blade high alloy CVM steel, hardened, chrome-plated. Exact fit precision ground tips. *Set includes: Slotted sizes: 4.0, 5.5, 8.0mm. Phillips sizes: 1, 2



Order No.	Description	Price
52090	5 pc. Slotted/Phillips Set*	
9952005	SL 5/32" (4.0mm) x 4" (100mm)	
9952010	SL 5/32" (4.0mm) x 6" (150mm)	
9952020	SL 7/32" (5.5mm) x 5" (125mm)	
52025	SL 7/32" (5.5mm) x 6" (150mm)	
52035	SL 1/4" (6.5mm) x 6" (150mm)	
9952040	SL 5/16" (8.0mm) x 6" (150mm)	
52050	SL 3/8" (10.0mm) x 8" (200mm)	
52105	PH 1" x 3.1" (80mm)	
9952110	PH 1" x 8" (200mm)	
9952115	PH 2" x 4" (100mm)	
9952120	PH 2" x 8" (200mm)	
52125	PH 3" x 6" (150mm)	

SLOTTED

PHILLIPS

MULTI-BIT SCREWDRIVER SET

Wiha PowerHandle, cellulose-acetate, impact resistant. Snap lock rotatable cap. Chambered bit holder equipped with transparent selector and 6 bits. Shaft CVM steel, hardened, chrome-plated. 1/4" bit holder, stainless steel.

Slotted sizes include: 5.5, 6.5, 8.0mm Phillips sizes include: 1, 2, 3



Order No.	Description	Price
38006	6 pc. Slotted/Phillips Set	

While we show only the popular items we can supply their entire range of products; please inquire.




PROTO

Made in U.S.A. OR OTHER FINE BRANDS

MACHINE SHOP

HAND TOOLS

SERIES 871:

ALLEN


Made in U.S.A.

8 PIECE-SCREWDRIVER SET IN STORAGE TRAY

Order No. 30847

Price

 Size/
Length

Description

3/16" x 3"
 #1 x 3"
 #2 x 4"
 #3 x 6"
 1/4" x 4"
 5/16" x 6"
 1/4" x 1-1/2"
 #2 x 1-1/2"

Cabinet Tip - Slotted
 Phillips Tip
 Phillips Tip
 Phillips Tip
 Round Blade - Slotted
 Round Blade - Slotted
 Slotted Stubby
 Phillips Stubby



SLOTTED STUBBY SCREWDRIVER


 Description
1/4" x 1-1/2"

 Overall Length
3-1/2"

 Order No.
30844

Price

PHILLIPS STUBBY SCREWDRIVER


 Description
#2 x 1-1/2"

 Overall Length
3-1/2"

 Order No.
30845

Price

7 PIECE - METRIC SOLID SHAFT NUT DRIVER SET IN POUCH

Order No: 30821

Price



Size (mm)	Description	Order No.	Price
5	Nut Driver 5mm	30854	
6	Nut Driver 6mm	30856	
7	Nut Driver 7mm	30857	
8	Nut Driver 8mm	30858	
9	Nut Driver 9mm	30859	
10	Nut Driver 10mm	30860	
11	Nut Driver 11mm	30861	

CABINET TIP SLOTTED SCREWDRIVER



Description	Overall Length	Order No.	Price
3/16" x 3"	5-3/4"	30833	
3/16" x 6"	9-1/2"	30834	

PHILLIPS TIP SCREWDRIVER



Description	Overall Length	Order No.	Price
#0 X 2-1/2" w/clip	4-3/8"	30835	
#1 X 3"	6-1/2"	30836	
#2 X 4"	7-1/2"	30837	
#3 X 6"	9-1/2"	30838	

ROUND BLADE SLOTTED SCREWDRIVER



Description	Overall Length	Order No.	Price
1/4" x 4"	8-1/4"	30839	
1/4" x 6"	10-1/4"	30840	
5/16" x 6"	10-3/4"	30841	

SQUARE BLADE SLOTTED SCREWDRIVER



Description	Overall Length	Order No.	Price
5/16" x 6"	10-3/4"	30842	
3/8" x 8"	13"	30843	

7 PIECE - SOLID SHAFT NUT DRIVER SET IN POUCH

Order No. 30820

Price



Size	Description	Order No.	Price
3/16"	Nut Driver 3/16"	30802	
1/4"	Nut Driver 1/4"	30804	
5/16"	Nut Driver 5/16"	30806	
11/32"	Nut Driver 11/32"	30807	
3/8"	Nut Driver 3/8"	30808	
7/16"	Nut Driver 7/16"	30809	
1/2"	Nut Driver 1/2"	30810	



While we show only the most popular **ALLEN** items we can supply their entire range of products; please inquire.



SCREWDRIVERS

SERIES 903:



STANDARD TIP, SQUARE SHANK



CUSHION GRIP

Tip Width x Blade Length	Overall Length	Order No.	Price
1/4 x 1-5/16"	3-1/16"	66541	
1/4 x 4	8-1/4	66544	
3/8 x 12	17-7/16	66546	
5/16 x 6	10-7/8	66547	
3/8 x 8	12-7/8	66550	
3/8 x 10	14-7/8	66553	

CABINET TIP, ROUND SHANK



CUSHION GRIP

Tip Width x Blade Length	Overall Length	Order No.	Price
3/16 x 3"	6-5/8"	66561	
3/16 x 4	7-3/4	66563	
3/16 x 6	8-5/8	66564	
3/16 x 8	11-5/8	66567	
3/16 x 10	13-5/8	66570	

STANDARD TIP, ROUND SHANK



CUSHION GRIP

Tip Width x Blade Length	Overall Length	Order No.	Price
3/16 x 3"	7-3/4"	66502	
1/4 x 4 (.037")*	8-29/32	66505	
1/4 x 4 (.040")*	8-1/4	66501	
5/16 x 6	10-7/8	66504	
3/8 x 10	15-7/16	66509	
3/8 x 12	17-7/16	66510	
3/8 x 8	12-7/8	66507	

*Tip Thickness

PHILLIPS TIP, ROUND SHANK



CUSHION GRIP

Tip Size X Blade Length	Overall Length	Order No.	Price
#2 x 1-5/16"	3-1/16"	66521	
#1 x 3	6-5/8	66524	
#2 x 4	8-1/4	66527	
#2 x 6	10-29/32	9966526	
#2 x 12	16-29/32	66528	
#3 x 6	10-7/8	66530	

8 PIECE SCREWDRIVER SET

Contains (5) Slotted, Round Shank and (3) Phillips sizes in vinyl roll.

CUSHION GRIP

Slotted	Phillips
1/4 x 4" (.040")*	1 x 3"
3/16 x 3	2 x 4"
5/16 x 6	3 x 6"
1/4 x 4 (.037")*	
3/8 x 8	

*Tip Thickness



Order No. 66612	Price	
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MULTI-BIT SCREWDRIVER

SERIES 526:

This 5-in-ONE offers four different bits in one screwdriver plus a nut driver. The bits reverse in the tube and the tube reverses in the handle. There is a 1/4" & 3/16" slotted bit and a #1 & #2 phillips bit. The chrome/nickel plated tube is a hex tube to create a 5/16" nut driver on either end. The handle has a wide diameter for a better, more comfortable grip.



Order No. 22000	Price	
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DEAD-BLOW HAMMERS

SERIES 855:

- One-piece construction
- No exposed metal on handles or heads
- No mark, no spark, complete protection and safety for machinery, product and worker
- Trucothane™ is custom formulated to set a new standard for soft face performance and durability. Eliminates mushrooming, splitting, absorption of liquids, contamination and chip pickup in faces
- Outlasts rawhide, rubber, brass, lead, nylon and other plastic-type heads by 10-20 times
- Exclusive textured, nonslip, comfort contoured handle and safety flanged butt provide sure grip and reduce fatigue



STANDARD-HEAD

Face Dia.	Head Lgth	Weight	Order No.	Price
1-1/4"	3-1/8"	13 oz.	4249000	
1-3/4"	3-3/4"	21 oz.	4249011	
2-1/4"	4-1/8"	26 oz.	4249022	
2-3/4"	4-5/8"	45 oz.	4249033	
	5-3/8"	53 oz.	4249044	



SLIM-LINE

Face Dia.	Head Lgth	Weight	Order No.	Price
7/8"	2-7/8"	8 oz.	4239050	
1-1/4"	4-3/16"	18 oz.	4239061	
1-1/2"	4-1/4"	22 oz.	4239072	
1-3/4"	5-3/16"	26 oz.	4239083	



OR OTHER FINE BRANDS



HAMMER COMPANY INC.



Made in U.S.A.

RAWHIDE MALLET

SERIES 416:

Garland's all-rawhide mallets are made of tough, long-wearing, water buffalo rawhide. They're ideal for use on broad-faced striking surfaces in a broad range of applications.



HAMMERS

SERIES 202:



NO-MAR HAMMERS WITH SCREW ON TIPS

Aluminum Head



Head Dia.	Head Length	Handle Length	Handle Type	Order No.	Price
1"	3-1/2"	11"	Wood	2021770	
1"	3-1/2"	11"	Fiberglass	2020770	
1-1/2"	4-1/2"	12"	Wood	2021772	
1-1/2"	4-1/2"	12"	Fiberglass	2020772	
2"	5"	13"	Wood	2021774	
2"	5"	13"	Fiberglass	2020774	

SPLIT-HEAD HAMMERS

SERIES 416:

The split-head hammer does the work of two different hammers because the faces can be easily changed. Two face types are available: rawhide and nylon. Specify face type when ordering.



Hammer with Rawhide Faces

Face Dia.	Weight	Order No.	Price
1-1/4"	1-1/2 lbs	4431001	
1-1/2"	2 lbs	4431002	
1-3/4"	2-3/4 lbs	4431003	
2"	4 lbs	4431004	
2-3/4"	6-1/2 lbs.	4431005	



Hammer Faces

Face Dia.	Rawhide Order No.	Price/Pair	Nylon Order No.	Price/Pair
1-1/4"	4221001		4222001	
1-1/2"	4221002		4222002	
1-3/4"	4221003		4222003	
2"	4221004		4222004	
2-3/4"	4221005		4222005	

BRASS HAMMERS

SERIES 855:

- Non-sparking
- Will not mar finished iron or steel surfaces
- Premium hickory handle



Approx. Wt. (lb.)	Face Dia.	Handle Lgt.	Order No.	Price
1/2	1"	12"	8550701	
1	1-1/8"	12"	8550702	
1-1/2	1-3/8"	13"	8550703	
2	1-3/8"	13"	8550704	
3	1-1/2"	14"	8550705	
4	1-5/8"	16"	8550706	
5	1-3/4"	16"	8550707	
6	1-3/4"	16"	8550708	
10	2"	26"	8550709	

LEAD HAMMERS

SERIES 855:

- Lead alloy provides the softest blow
- Steel handle with ergonomic shur-grips
- Excellent dead-blow hammer



Approx. Wt. (lb.)	Face Dia.	Handle Lgt.	Order No.	Price
1	3/4"	9"	9550113	
2	1-3/16"	9"	9550114	
3	1-5/8"	9-1/2"	9550115	
4	1-9/16"	9-1/2"	9550116	
5	1-5/8"	9-1/2"	9550117	
11	2"	26"	9550123	

NO-MAR HAMMERS WITH REPLACEABLE POLYURETHANE PRESS-ON TIPS

Head Dia.	Head Length	Handle Length	Approx. Weight	Fiberglass Handle		Wood Handle		(Repl't)-Tips	
				Order No.	Price	Order No.	Price	Order No.	Price
5/8"	2-1/4"	8"	3-3/4 oz.	2021700		2020700		2027001	
3/4"	2-1/2"	10"	4-1/2 oz.	2021701		2020701		2027011	
1"	3-1/4"	11"	1/2 lb.	2021705		2020705		2027051	
1-1/4"	3-3/4"	13"	3/4 lb.	2021707		2020707		2027071	
1-1/2"	4"	13"	1-1/4 lb.	2021717		2020717		2027171	

Screw on Tips

Hammers come with green and red tips

Color	1"		1-1/2"		2"	
	Order No.	Price	Order No.	Price	Order No.	Price
Green (Tough)	2027711		2027731		2027751	
Red (Medium)	2027712		2027732		2027752	
Brown (Soft)	2027713		2027733		2027753	
Cream (Med. Hard)	2027714		2027734		2027754	
Black (Hard)	2027715		2027735		2027755	

NO-MAR COPPER AND BRASS HAMMERS

With Fiberglass Handles

- Non spark
- Non magnetic



Face Dia.	Weight	Brass Order No.	Price	Copper Order No.	Price
7/8"	8 oz.	2020750		2020760	
1"	1 lb.	2020751		2020761	
1-1/4"	1-1/2 lb	20207515		20207615	
1-1/4"	2 lb	2020752		2020762	
1-1/2"	3 lb	2020753		2020763	

NO-MAR LEAD HAMMERS

STEEL HANDLES WITH VINYL GRIPS



Face Dia.	Head Length	Weight	Handle Length	Order No.	Price
3/4"	2-5/8	1 lb	9"	2020731	
1-1/8"	2-5/8	2 lb	10"	2020732	
1-9/16"	3-1/8	3 lb	10"	2020733	
1-5/8"	3-3/4	5 lb	10"	2020735	



OR OTHER FINE BRANDS

HAND TOOLS

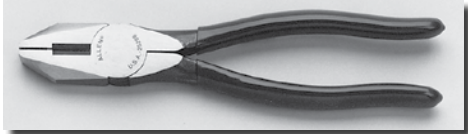
SERIES 871



Made in U.S.A.

BALL PEIN - WOOD HANDLE HAMMERS

Head Weight	Length	Order No.	Price
2 oz	10"	25700	
4 oz	10-1/4"	25701	
8 oz	12-1/4"	25702	
12 oz	13-1/2"	25703	
16 oz	14-1/4"	25704	
20 oz	14-1/2"	25705	
24 oz	15-1/2"	25706	
32 oz	16"	25707	
40 oz	16"	25708	
48 oz	16"	25709	

LINESMAN PLIERS

Length	Order No.	Price
8.00	25208	

CHAIN NOSE PLIERS WITH CUTTER

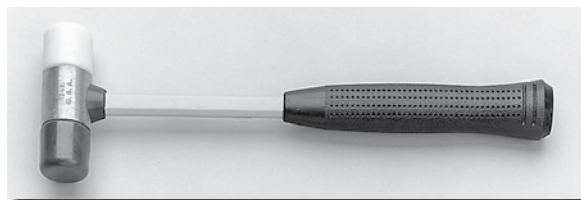
Length	Order No.	Price
6.50	25206	
8.00	25608	

HEAVY DUTY DIAGONAL CUTTING PLIERS

Length	Order No.	Price
7.00	25207	

DIAGONAL CUTTING PLIERS

Length	Order No.	Price
5.00	25404	
6.00	25406	
7.00	25407	

SOFT FACE HAMMER

Head Weight	Length	Order No.	Price
12 oz	11-5/8"	25716	

RUBBER MALLET HAMMERS

Head Weight	Length	Order No.	Price
20 oz	13-1/2"	25714	
28 oz	16-1/2"	25715	

ADJUSTABLE WRENCHES

Length	Order No.	Price	Length	Order No.	Price
4.00	24004		12.00	24012	
6.00	24006		15.00	24015	
8.00	24008		18.00	24017	
10.00	24010		24.00	24024	

SLIP JOINT PLIERS

Overall Length	Order No.	Price
6.00	25106	
8.00	25108	

RIB LOCK - CHROME FINISH PLIERS

Length	Order No.	Price
10.00	25310	
16.00	25316	



While we show only the most popular items we can supply their entire range of products; please inquire.





TONGUE & GROOVE PLIERS



Features:

- Patented Perma Lock fastener.
- Polished steel.

Size	Capacity	Model No.	Order No.	Price
4-1/2	1/2	424	0880424	
6-1/2	7/8	426	0880426	
9-1/2	1-1/2	420	0880420	
10	2	430	0880430	
12	2-1/4	440	0880440	

DIAGONAL CUTTING PLIERS

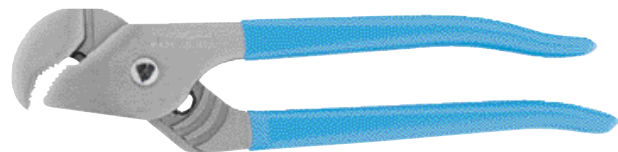


Features:

- Polished steel finish.
- Perfectly mated cutting edges.

Size	Model No.	Order No.	Price
7	337	0880337	
7-3/4	447	0880447	

NUTBUSTER PLIER



Features:

- Right angle teeth grip in all directions.
- Double Tongue and Groove - won't slip.

Size	Model No.	Order No.	Price
9-1/2	410	0880410	

LONG NOSE PLIERS

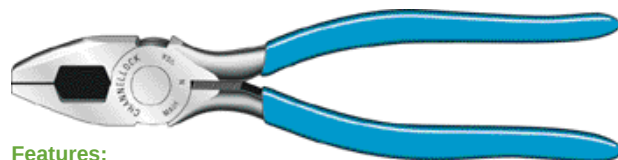


Features:

- Polished steel finish.
- Hand honed.
- Side cutter

Size	Model No.	Order No.	Price
6	326	0880326	
7-1/2	317	0880317	

LINEMEN'S PLIERS



Features:

- Polished steel finish.
- Perfectly mated cutter.
- Rounded nose.

Size	Model No.	Order No.	Price
8-1/2	348	0880348	
9*	369	0880369	

*High Leverage

WIRING TOOL



Features:

- Crimps both insulated and non-insulated wire.
- Strips wire without damaging the conductor.

Size	Model No.	Order No.	Price
8	908	0880908	



While we show only the most popular **CHANNEL LOCK** items we can supply their entire range of products; please inquire.

- High Grade alloy steel scientifically hardened & tempered.
- Nickel plated finish.
- Exerts more than a ton of pressure between jaws.
- Adjustable to ratchet-like action.

STRAIGHT JAWS

 REGULAR MODEL
 WITHOUT WIRE CUTTER


Length	Jaw Thick	Jaw Adjusts	Model No.	Order No.	Price
7	5/16	1-1/8	7R	9270007	
10	5/8	1-5/8	10R	9270010	

CURVED JAWS

 THIN NOSE
 WITH WIRE CUTTER


Length	Jaw Thick	Jaw Adjusts	Model No.	Order No.	Price
4	1/4	15/16	4WR	9271104	
5	1/4	1-1/4	5WR	9271105	
7	5/16	1-5/8	7WR	9271107	
10	3/8	1-7/8	10WR	9271110	

CURVED JAWS

 THIN NOSE
 WITHOUT WIRE CUTTER


Length	Jaw Thick	Jaw Adjusts	Model No.	Order No.	Price
7	5/16	1-5/8	7CR	9270107	
10	3/8	1-7/8	10CR	9270110	

20R LOCKING CHAIN CLAMP

Holds and locks around any shape, any size. Adjusts quickly for ratchet action in either direction.

- Size: 9"
- Effective Chain Length: 18"



Order No. 9270020	Price	
-------------------	-------	--

LOCKING SHEET METAL TOOL

 FOR BENDING,
 FORMING & CRIMPING

Locks to work with powerful grip. Makes all kinds of bending, forming, crimping jobs easier and faster.



Length	Jaw Width	Throat Depth	Model No.	Order No.	Price
8	3-1/8	1-3/4	8R	9270008	

"C" CLAMPS WITH EASY RELEASE
FEATURES:

- Made of special alloy steel, hardened and tempered.
- Bright finish.
- Adjusts by means of end screw then locks onto work by a squeeze of the hand. User can hold work with one hand and apply clamp with the other.
- Small jaw area for close quarters. Quick application for repeat jobs. Easy release lever in handle.



Length	Jaw Adjusts	Weight	Model No.	Order No.	Price
6	0-2	7-1/2 oz	6R	9273106	
11	0-4	28 oz	11R	9273111	
18	0-8	40 oz	18R	9273118	

LOCKING WELDING CLAMP

 DEEP THROATED,
 U-SHAPED JAWS

Deep-throated, U-shaped jaws for visibility and working space. Holds work in proper alignment.



Length	Jaw Width	Throat Depth	Model No.	Order No.	Price
9	2-3/4	1-5/8	9R	9270009	



While we show only the popular **WISE-GRIP** items we can supply their entire range of products; please inquire.


IRWIN®

MACHINE SHOP

DISCOUNT SUPPLY
SNIPS

Series 929:

IRWIN®

104

101

102

103

207

210

212

Size	Cutting Pattern	Maximum Cutting Capacity	Length of Cut	Type	Model No.	Order No.	Price
10"	Straight and curves	Sheet metal, vinyl, plastic, rubber and many other applications.	1-5 1/6"	Utility	21304	9290104	
10"	Left and straight	Up to .84mm/22ga. Stainless and 1.19mm/18ga. Mild Steel	1-5 1/6"	Aviation	2073111	9290101	
10"	Right and straight	Up to .84mm/22ga. Stainless and 1.19mm/18ga. Mild Steel	1-5 1/6"	Aviation	2073112	9290102	
10"	Straight and wide curves	Up to .84mm/22ga. Stainless and 1.19mm/18ga. Mild Steel	1-5 1/6"	Aviation	2073113	9290103	
7"	Tight curves and straight cuts	Up to .45mm/26ga. Cold Rolled Steel, .38mm/28 ga. Stainless Steel	1-1/2"	Tinner	23007	9290207	
10"	Tight curves and straight cuts	Up to .61mm/24ga. Cold Rolled Steel, .45mm/26 ga. Stainless Steel	2"	Tinner	23010	9290210	
12-3/4"	Tight curves and straight cuts	Up to .84mm/22ga. Cold Rolled Steel, .61mm/24 ga. Stainless Steel	2-3/4"	Tinner	23012	9290212	

AVIATION SNIPS

SERIES 442:

MEGA
Superior Import

#82 SAFETY NOSE

RETRACTABLE BLADE KNIFE

SERIES 526:



Straight Cut



Right Cut



Left Cut

Description	Order No.	Price
Straight Cut	2510000	
Right Cut	2510010	
Left Cut	2510020	
3-pc. set	4485418	

Blades of high alloy tool steel drop forged with serrated edges. Comfort grip contoured, color-coded vinyl handles. Compound leverage for extra cutting power. 9-3/4" long, cuts up to 18 gauge.



The LUTZ #82 is a heavy-duty industrial quality retractable utility knife. The specially built zinc retractor allows for smoother operation in all three cutting positions. The safety nose overlap on both the top and bottom of the knife is its prominent safety feature. The LUTZ #82 is furnished with three heavy duty .025 blades with additional storage in the handle.

Order No. 30282
Price:
REPLACEMENT BLADES (PACK OF 5 BLADES)
Order No. 3000925
Price:
REPLACEMENT BLADES (PACK OF 100 BLADES)
Order No. 3000100
Price:



OR OTHER FINE BRANDS

FASTENER DRIVE TOOLS

SERIES 843:

HANSON.**SHANK INSERT BITS (1/4" SHANK)**

- Compact and versatile allowing them to be used as hand tool or power tool accessories

Phillips Insert Bits					
Point Size	Shank	OAL	Pkg. Qty	Order No.	Price
#0	1/4"	1"	25	4392001	
#1	1/4"	1"	25	4392005	
#2	1/4"	1"	25	4392011	
#3	1/4"	1"	25	4392019	
Phillips Drywall Insert Bits					
#2	1/4"	1"	25	4392047	



Slotted Insert Bits					
Point Size	Shank	OAL	Pkg. Qty	Order No.	Price
3-4	1/4"	1"	25	4392105	
4-5	1/4"	1"	25	4392107	
6-8	1/4"	1"	25	4392111	
8-10	1/4"	1"	25	4392113	
10-12	1/4"	1"	25	4392115	
12-14	1/4"	1"	25	4392117	
14-16	1/4"	1"	25	4392119	



Square Recess Insert Bits					
Point Size	Shank	OAL	Pkg. Qty	Order No.	Price
#0	1/4"	1"	25	4392201	
#1	1/4"	1"	25	4392203	
#2	1/4"	1"	25	4392205	
#3	1/4"	1"	25	4392207	



Socket Head Insert Bits - Fractional					
Point Size	Shank	OAL	Pkg. Qty	Order No.	Price
.050"	1/4"	1-1/4"	10	4392407	
1/16	1/4"	1-1/4"	10	4392403	
5/64	1/4"	1-1/4"	10	4392411	
3/32	1/4"	1-1/4"	10	4392415	
7/64	1/4"	1-1/4"	10	4392419	
1/8	1/4"	1-1/4"	10	4392423	
9/64	1/4"	1-1/4"	10	4392427	
5/32	1/4"	1-1/4"	10	4392431	
3/16	1/4"	1-1/4"	10	4392437	
7/32	1/4"	1-1/4"	10	4392443	
1/4	1/4"	1-1/4"	10	4392451	
5/16	1/4"	1-1/4"	10	4392467	
3/8	1/4"	1-1/4"	10	4392483	
Socket Head Insert Bits - Metric					
2mm	1/4"	1-1/4"	10	4392507	
3mm	1/4"	1-1/4"	10	4392509	
4mm	1/4"	1-1/4"	10	4392511	
5mm	1/4"	1-1/4"	10	4392513	
6mm	1/4"	1-1/4"	10	4392515	
8mm	1/4"	1-1/4"	10	4392517	

**1/4" MAGNETIC HEX SHANK BIT HOLDERS**

- Designed for use with insert bits only.



Description	OAL	Order No.	Price
Standard W/ C-Ring	2-1/4"	4393712	
No C-Ring	2-1/4"	4393714	
Knurled	2-15/16"	4393715	
Standard W/C-Ring	2-31/32"	4393718	
No C-Ring	2-31/32"	4393722	

MAGNETIC POWER NUTSETTERS-FRACTIONAL**POWER NUTSETTER:**

- For use with sheet metal screws and other hexagon head fasteners.
- Standard 6pt. design.



Hex Drive	Shank Dia	Socket Body	Shank Body	OAL	Pkg. Qty	Order No.	Price
1/4"	1/4"	7/16"	-	1-7/8"	10	4394212	
5/16	1/4"	1/2"	-	1-7/8"	10	4394232	
3/8	1/4"	9/16"	-	1-7/8"	10	4394252	
7/16	1/4"	5/8"	-	1-7/8"	10	4394272	
1/4	1/4"	7/16"	5/16"	2-9/16"	10	4394312	
5/16	1/4"	1/2"	5/16"	2-9/16"	10	4394332	
7/16	1/4"	5/8"	3/8"	2-9/16"	10	4394372	
6mm	1/4"	11.1mm	-	47.6mm	10	4394202	
8	1/4"	12.7	-	47.6	10	4394204	
10	1/4"	14.3	-	47.6	10	4394206	

SQUARE DRIVE SOCKET ADAPTERS

- Pinlock design for production applications
- Ball retention design for quick change applications

Sq. drive	Lock Type	OAL	Order No.	Price
1/4"	PIN	2"	4393758	
1/4"	BALL	2"	4393761	
3/8"	PIN	1-5/8"	4393781	
3/8"	BALL	1-5/8"	4393782	
3/8"	PIN	2"	4393783	
3/8"	BALL	2"	4393784	
3/8"	PIN	3"	4393786	
3/8"	BALL	3"	4393787	
1/2"	BALL	2"	4393795	
1/2"	BALL	3"	4393797	

Quality Hand Tools !**Prosnip****HANSON.**APEX
TOOL GROUP**VISE-GRIP**
Locking Tools

- Designed for higher torque capabilities of power tools.
- Fit directly into the power drill chuck or quick change chuck adapter.

POWER BITS (1/4" SHANK)

SLOTTED POWER BITS



Point Size	Shank	OAL	Pkg. Qty	Order No.	Price
3-4	1/4"	1-15/16	10	4393103	
4-5	1/4"	1-15/16	10	4393105	
5-6	1/4"	1-15/16	10	4393107	
6-8	1/4"	1-15/16	10	4393109	
8-10	1/4"	1-15/16	10	4393111	
10-12	1/4"	1-15/16	10	4393113	
12-14	1/4"	1-15/16	10	4393115	
3-4	1/4"	2-3/4	10	4393123	
4-5	1/4"	2-3/4	10	4393125	
5-6	1/4"	2-3/4	10	4393127	
6-8	1/4"	2-3/4	10	4393129	
8-10	1/4"	2-3/4	10	4393131	
10-12	1/4"	2-3/4	10	4393133	
12-14	1/4"	2-3/4	10	4393135	
3-4	1/4"	3-1/2	10	4393155	
4-5	1/4"	3-1/2	10	4393157	
5-6	1/4"	3-1/2	10	4393159	
6-8	1/4"	3-1/2	10	4393161	
8-10	1/4"	3-1/2	10	4393163	
10-12	1/4"	3-1/2	10	4393165	
12-14	1/4"	3-1/2	10	4393167	
3-4	1/4"	6	5	4393173	
4-5	1/4"	6	5	4393175	
5-6	1/4"	6	5	4393177	
6-8	1/4"	6	5	4393179	
8-10	1/4"	6	5	4393181	
10-12	1/4"	6	5	4393183	
12-14	1/4"	6	5	4393185	

SLOTTED POWER BITS WITH FINDER



Point Size	Shank	OAL	Pkg. Qty	Order No.	Price
5-6	1/4"	2-5/32"	10	4393191	
6-8	1/4"	2-5/32"	10	4393193	
10-12	1/4"	2-5/32"	10	4393195	

SQUARE RECESS POWER BITS



Size	Shank	OAL	Pkg. Qty	Order No.	Price
#1	1/4"	1-15/16	10	4393203	
#2	1/4"	1-15/16	10	4393205	
#3	1/4"	1-15/16	10	4393207	
#1	1/4"	2-3/4	10	4393211	
#2	1/4"	2-3/4	10	4393213	
#3	1/4"	2-3/4	10	4393215	
#1	1/4"	6	10	4393230	
#2	1/4"	6	10	4393231	
#3	1/4"	6	10	4393232	

TORX® POWER BITS



Common in automotive and computer industries

Point Size	Shank	Overall Length	Order No.	Price
T6	1/4"	1-15/16"	4393306	
T7	1/4"	1-15/16"	4393309	
T8	1/4"	1-15/16"	4393312	
T9	1/4"	1-15/16"	4393315	
T10	1/4"	1-15/16"	4393318	
T15	1/4"	1-15/16"	4393321	
T20	1/4"	1-15/16"	4393324	
T25	1/4"	1-15/16"	4393327	
T27	1/4"	1-15/16"	4393330	
T30	1/4"	1-15/16"	4393333	
T40	1/4"	1-15/16"	4393336	

PHILLIPS POWER BITS



Size	Shank	OAL	Pkg. Qty	Order No.	Price
#1	1/4"	1-15/16	10	4393003	
#2	1/4"	1-15/16	10	4393007	
#3	1/4"	1-15/16	10	4393011	
#1	1/4"	2-3/4	10	4393017	
#2	1/4"	2-3/4	10	4393019	
#3	1/4"	2-3/4	10	4393021	
#1	1/4"	3	10	4393043	
#2	1/4"	3	10	4393047	
#3	1/4"	3	10	4393049	
#1	1/4"	3-1/2	10	4393023	
#2	1/4"	3-1/2	10	4393025	
#3	1/4"	3-1/2	10	4393029	
#1	1/4"	4	10	4393053	
#2	1/4"	4	10	4393057	
#3	1/4"	4	10	4393059	
#1	1/4"	6	10	4393063	
#2	1/4"	6	10	4393067	
#3	1/4"	6	10	4393069	



While we show only the popular **HANSON.** items we can supply their entire range of products; please inquire.

**BALLDRIVER®
POWER BITS**

SERIES 805:



- For power tools having a 1/4" hex adapter.



Hex	Blade Length	Order No.	Price
Inch Sizes			
5/64"	3.0"	10804	
3/32"	3.0"	10805	
7/64"	3.0"	10806	
1/8"	3.0"	10807	
9/64"	3.0"	10808	
5/32"	3.0"	10809	
3/16"	3.0"	9910810	
7/32"	3.0"	10811	
1/4"	3.0"	9910812	
5/16"	3.0"	9910813	
3/8"	3.0"	9910814	
1/2"	3.0"	9910816	
Metric Sizes			
2mm	76mm	0910852	
2.5mm	76mm	9910854	
3mm	76mm	0910856	
4mm	76mm	9910860	
5mm	76mm	9910864	
6mm	76mm	9910868	
8mm	76mm	9910872	
10mm	76mm	9910876	
12mm	76mm	0910880	

**DRILL-OUT®
BROKEN BOLT
EXTRACTORS**

SERIES 967:

ALDEN
CORPORATION**FEATURES:**

- Removes broken bolts and studs without damaging the hole threads.
- Designed to be used in 3/8" variable speed electric drill.
- Remove broken bolts in a fraction of the time used by manual tools.
- Patented design drill point with self-centering, left cutting drill point, gives the user control and maneuverability while drilling.
- Drill bit and extractor in one tool.
- Sets supplied in plastic case.

**Power Extractors**

Size of Bolt or Stud to be removed	Order No.	Price
1/4" (6mm)	9670016	
5/16" (8mm)	9670020	
3/8" (10mm)	9670024	
1/2" (12mm)	9670032	
4 Piece Set 1/4"-1/2" (6mm-12mm)	9670401	

Micro Power Extractors

Size of Bolt or Stud to be removed	Order No.	Price
#5 & #6 (3mm)	9670003	
#8 (4mm)	9670004	
#10 & 12 (5mm)	9670005	
1/4" (6mm)	9670006	
4 Piece Set #5-1/4" (3mm-6mm)	9670450	

Master Extractor Set

Size of Bolt or Stud to be removed	Order No.	Price
7 Piece Set 1/8" (#5) - 1/2" & 3mm-12mm	9670701	

BIT-SELECTORS

SERIES 802:

Compact size and easy bit selection make this bit-selector an ideal maintenance tool. 10 hardened bits of CVM steel, hardened, chrome-plated. 1/4" magnetic bit holder can be used in power tools.

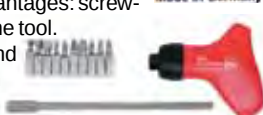


Order No.	Description	Price
79243	Slotted, Phillips, Torx® Bit-Selector Slotted: 5.5, 6.5, 8.0mm; Phillips: 0, 1, 2, 3 Torx®: T10, T15, T20	
79245	Torx® Bit-Selector Torx®: T7, T8, T9, T10, T15, T20, T25, T27, T30, T40	

TOPRA RATCHET SETS

SERIES 802:

WIHA Topra Ratchet handle, ergonomic design for free runner mechanism. Topra Ratchet handle has four advantages: screw-driver, ratchet, reversible tool and bit holder in one tool. Blades are high alloy CVM steel, hardened, and chrome-plated which allow maximum protection against corrosion.



Order No.	Description	Price
28295	10 Torx® Set Sizes: T7, T8, T9, T10, T15, T20, T25, T27, T30, T40	
28296	10 Slotted/Phillips/Torx® Set: Slotted 5.5, 6.5, 8.0mm Phillips: 0, 1, 2, 3, Torx®: T10, T15, T20	

MIDGET RATCHET SETS

SERIES 960:

STANDARD KIT "THE MOST POPULAR SET"

- 1 Midget Ratchet
- 1 Extension
- 1 Screw Driver Handle
- 12 Allen Hex Type Adapters (.050, 5/64, 7/64, 9/64, 3/16, 1/4, 1/16, 3/32, 1/8, 5/32, 7/32, 5/16)
- 2 Slotted Head Adapters 1/4, 3/8.
- 2 Phillips Head Adapters #1, #2.
- 1 pc 1/4 Square Drive Adapter.
- Polyethylene case 4-1/2" x 6-1/2".

Model # 4320

Order No. 9604320	Price
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CHAPMAN

**STANDARD ASSORTMENT PLUS METRIC**

- 1 Midget Ratchet
- 1 Extension
- 1 Screw Driver Handle
- 12 Allen Hex Type Adapters (.050, 5/64, 7/64, 9/64, 3/16, 1/4, 1/16, 3/32, 1/8, 5/32, 7/32, 5/16)
- 3 Slotted Head Adapters 3/16, 1/4, 3/8
- 2 Phillips Head Adapters #1, #2
- 1 pc 1/4 Square Drive Adapter
- 7 Metric (Allen Hex Type) Adapters: 1.5mm, 2.0mm, 2.5mm, 3.0mm, 4.0mm, 5.0mm, 6.0mm, (Size indicates distance across flats)
- Polyethylene Case 5-1/2" x 7-3/4"

Model # 7331

Order No. 9607331	Price
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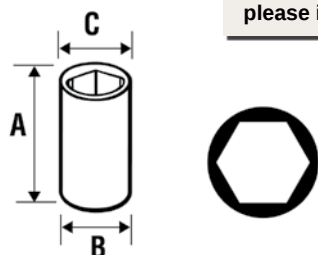
CHAPMAN





1/4" DRIVE SOCKETS & ACCESSORIES

SERIES 871:



Metrics available;
please inquire.



Description	Order No.	Price
1/4" Drive, 5.5" Long	10900	
3/8" Drive, 7.625" Long	11900	
1/2" Drive, 10.313" Long	12800	

TEAR DROP QUICK RELEASE FLEX HEAD RATCHET



Description	Order No.	Price
3/8" Drive, 11.375" Long	11922	
1/2" Drive, 16.750" Long	12802	

FLEX HANDLE



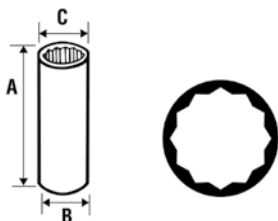
Description	Order No.	Price
1/4" Drive, 5.5" Long	10920	
3/8" Drive, 9.5" Long	11920	
1/2" Drive, 15" Long	12820	
1/2" Drive, 18" Long	12821	

EXTENSIONS



Description	Order No.	Price
1/4" Drive, 1.5 Long	7110902	
1/4" Drive, 3" Long	9910905	
1/4" Drive, 6" Long	9910910	
3/8" Drive, 1.5" Long	11902	
3/8" Drive, 3" Long	11905	
3/8" Drive, 6" Long	11910	
3/8" Drive, 10.5" Long	11912	
3/8" Drive, 20" Long	11915	
1/2" Drive, 2" Long	12803	
1/2" Drive, 3" Long	12805	
1/2" Drive, 5" Long	12810	
1/2" Drive, 10" Long	12812	
1/2" Drive, 20" Long	12814	

3/8" & 1/2" DRIVE SOCKETS & ACCESSORIES



Size	Dimensions			Order No.	Price	Size	Dimensions			Order No.	Price
	A	B	C				A	B	C		
12 PT. STANDARD SOCKETS 3/8" DRIVE						12 PT. DEEP SOCKETS 3/8" DRIVE					
5/16"	.945	.662	.460	11206		3/8"	2.513	.667	.568	11258	
3/8"	.945	.664	.568	11208		7/16"	2.513	.664	.664	11259	
7/16"	.945	.664	.664	11209		1/2"	2.513	.706	.706	11260	
1/2"	.975	.703	.703	11210		9/16"	2.513	.786	.786	11261	
9/16"	.975	.779	.779	11211		5/8"	2.513	.870	.870	11262	
5/8"	1.020	.851	.851	11212		11/16"	2.513	.925	.925	11263	
11/16"	1.020	.925	.925	11213		3/4"	2.513	1.002	1.002	11264	
3/4"	1.135	1.002	1.002	11214		13/16"	2.526	1.085	1.085	11265	
13/16"	1.135	1.085	1.085	11215		7/8"	2.526	1.186	1.186	11266	
7/8"	1.205	1.186	1.186	11216							
12 PT. STANDARD SOCKETS 1/2" DRIVE						12 PT. DEEP SOCKETS 1/2" DRIVE					
Size	Dimensions			Order No.	Price	Size	Dimensions			Order No.	Price
A	B	C	A			B	C				
3/8"	1.510	.874	.524	12208		1/2"	3.267	.876	.754	12260	
7/16"	1.510	.876	.684	12209		9/16"	3.267	.876	.818	12261	
1/2"	1.510	.876	.754	12210		5/8"	3.267	.876	.876	12262	
9/16"	1.510	.876	.818	12211		11/16"	3.267	.967	.967	12263	
5/8"	1.510	.876	.876	12212		3/4"	3.267	1.042	1.042	12264	
11/16"	1.510	.967	.967	12213		13/16"	3.267	1.130	1.130	12265	
3/4"	1.510	1.042	1.042	12214		7/8"	3.267	1.195	1.195	12266	
13/16"	1.510	1.122	1.122	12215		15/16"	3.267	1.274	1.274	12267	
7/8"	1.510	1.186	1.186	12216		1"	3.267	1.274	1.274	12268	
15/16"	1.510	1.262	1.262	12217		1-1/16"	3.267	1.426	1.426	12269	
1"	1.635	1.340	1.340	12218		1-1/8"	3.267	1.507	1.507	12270	
1-1/16"	1.635	1.414	1.414	12219							
1-1/8"	1.697	1.495	1.495	12220							
1-1/4"	1.770	1.650	1.650	12222							
1-1/2"	1.920	1.972	1.972	9912226							

ADAPTERS & UNIVERSAL JOINTS



Description	Order No.	Price
1/4F x 3/8M Adapter	10925	
1/4" Drive, 1.30" Universal Joint	10930	
3/8F x 1/2M, 1.405" Long Adapter	11925	
3/8F x 1/4M, 1.000" Long Adapter	11927	
3/8" Drive, 2" Long Universal Joint	11930	
1/2F x 3/8M, 1.440" Long Adapter	12827	
1/2F x 3/4M 1.755" Long Adapter	12828	
1/2" Drive, 2.69" Universal Joint	12830	

(Continued)

**1/4", 3/8", & 1/2" SOCKET SETS IN METAL BOX**

SERIES 871:



OR OTHER FINE BRANDS

**13 PIECE ---- 1/4" DRIVE SOCKET SET**

Order No. 19009

Price

INCLUDES: Nine 6 pt. Std. Sockets: 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2"; 1-1/2" Extension; 6" Extension; Spinner Handle; Round Head Ratchet; in a metal box.

14 PIECE ---- 1/4" DRIVE METRIC SOCKET SET

Order No. 19019

Price

INCLUDES: Ten 6 pt. Std. Sockets: 4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm; 1-1/2" Extension; 6" Extension; Spinner Handle; Round Head Ratchet; in a metal box.

12 PIECE ---- 3/8" DRIVE FRACTIONAL SOCKET SET

Order No. 19135

Price

INCLUDES: Eight 12 pt. Std. Sockets: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16"; Spark Plug Skt 5/8"; 3" Extension; 6" Extension; Round Head Ratchet; in a metal box.

14 PIECE ---- 3/8" DRIVE METRIC SOCKET SET

Order No. 19137

Price

INCLUDES: Ten 12 pt. Std. Sockets: 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm; Spark Plug Skt 5/8"; 3" Extension; 6" Extension; Round Head Ratchet; in a metal box.

18 PIECE ---- 3/8" DRIVE SOCKET SET

Order No. 19136

Price

INCLUDES: Seven 12 pt. Std. Sockets: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"; Spark Plug Skt 5/8"; Seven 12 pt. Dp. Sockets: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"; 3" Ext.; 6" Ext.; Round Head Ratchet; in a metal box.

**12 PIECE ---- 1/2" DRIVE SOCKET SET**

Order No. 19220

Price

INCLUDES: Ten 12 pt. Std. Sockets: 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"; 6" Extension; Round Head Ratchet; in a metal box.

15 PIECE ---- 1/2" DRIVE METRIC SOCKET SET

Order No. 19221

Price

INCLUDES: Thirteen 12 pt. Std. Sockets: 10mm, 12mm, 13mm, 14mm, 17mm, 18mm, 19mm, 22mm, 23mm; 24mm, 25mm, 27mm, 28mm; 6" Extension; Round Head Ratchet; in a metal box.

16 PIECE ---- 1/2" DRIVE FRACTIONAL SOCKET SET

Order No. 19211

Price

INCLUDES: Thirteen 12 pt. Std. Sockets: 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"; 1-1/16", 1-1/8", 1-1/4"; 6" Extension; Flex Handle 15"; Quick Release Ratchet; in a metal box.

1/4", 3/8", & 1/2" SOCKET SETS IN POLYETHYLENE CASE

SERIES 871:

57 PIECE ---- 1/4" & 3/8" FRACTIONAL / METRIC SOCKET SET

Order No. 19125

Price

INCLUDES: Twenty 6 pt. 1/4 Std. Sockets: 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2"; 4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm; Eighteen 12 pt. 3/8" Std. Sockets: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 19mm; Five 12 pt. 3/8" Deep Sockets: 3/8", 7/16", 1/2", 9/16", 3/4"; 6 pt. 3/8" Spark Plug Socket 5/8"; 1/4" Spinner Handle; 1/4" Extension: 1-1/2"; Two 3/8" Extensions: 3", 6"; 3/8" Adapter: 3/8"F-1/4"M; 3/8" Teardrop Ratchet; Seven Short Arm Hex Keys: 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4"; in a high density polyethylene case.

72 PIECE ---- 1/4" & 3/8" DRIVE FRACTIONAL / METRIC SOCKET SET

Order No. 19138

Price

INCLUDES: Twenty 6 pt. 1/4 Std. Sockets: 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2"; 4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm; Eighteen 12 pt. 3/8" Std. Sockets: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 19mm; Five 12 pt. 3/8" Deep Sockets: 3/8", 7/16", 1/2", 9/16", 3/4"; 6 pt. 3/8" Spark Plug Socket 5/8"; 1/4" Spinner Handle; 1/4" Teardrop Ratchet; 1/4" Extension: 1-1/2"; Two 3/8" Extensions: 3", 6"; 3/8" Adapter 3/8"F-1/4"M; 3/8" Teardrop Ratchet; 5 Pc. Combination Wrench Set.; 6 Pc. Duracast Hex Key / Screwdriver Fold-up; Fifteen Short Arm Hex Keys: .028", .035", .050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8"; in a high density polyethylene case.



While we show only the most popular **ALLEN** items we can supply their entire range of products; please inquire.

(Continued)



MACHINE SHOP

1/4", 3/8", & 1/2" SOCKETS SETS

SERIES 871:
(Continued)



DISCOUNT SUPPLY



IN POLYETHYLENE CASE



IN ZIPPERED CASE

85 Piece Fractional/Metric 1/4" and 3/8" Drive Socket Set

Order No. 19144

Price

85 Piece Set Includes:

1/4" Dr. Round Hd Ratchet	12-Pt. 3/8" Dr. Deep Sockets:
3/8" Dr. Round Hd Ratchet	3/8", 7/16", 1/2", 9/16", 5/8",
6 Pt. 1/4" Dr. Std Sockets:	11/16", 3/4", 13/16", 7/8"
5/32", 3/16", 7/32", 1/4", 9/32",	12-Pt. 3/8" Dr. Metric Deep Sockets:
5/16", 11/32", 3/8", 7/16", 1/2"	10mm - 19mm
6-Pt. 1/4" Dr. Metric Std Sockets:	6-Pt. 3/8" Dr. 5/8" Spark Plug Socket
4mm - 13mm	6-Pt. 3/8" Dr. 13/16" Spark Plug Socket
12-Pt. 3/8" Dr. Std Sockets:	1/4" Dr. Spinner Handle
3/8", 7/16", 1/2", 9/16", 5/8",	3/8" Dr. 3/8" to 1/4" Reducing Adapter
11/16, 3/4", 13/16"	1/4" Dr. 3" Extension Bar
12-Pt. 3/8" Dr. Std Sockets:	3/8" Dr. 3" Extension Bar
10mm - 19mm	Short Arm Hex Keys:
6-Pt. 1/4" Dr. Deep Sockets:	5/64", 3/32", 1/8", 5/32", 3/16",
3/16", 7/32", 1/4", 9/32", 5/16",	7/32", 1/4"
11/32", 3/8", 7/16"	High Density Polyethylene Case
6-Pt. 1/4" Dr. Metric Deep Sockets:	
6mm - 10mm	

41 Piece Fractional/Metric 1/4" and 3/8" Drive Socket Set

Order No. 19142

Price

41 Piece Set Includes:

3/8" Dr. Round Head Ratchet	Sockets:
6-Pt. 1/4" Dr. Std Sockets:	10mm-15mm & 17mm-19mm
5/32", 3/16", 7/32", 1/4", 9/32",	12-Pt. 3/8" Dr. Deep Sockets:
5/16", 11/32", 3/8"	3/8", 7/16", 1/2", 9/16", 5/8"
6-Pt. 1/4" Dr.	6-Pt. 3/8" Dr. 5/8" Spark Plug Socket
Metric Std Sockets:	1/4" Dr. Spinner Handle
4mm - 10mm	3/8", Dr. 3/8" to 1/4" Reducing
12-Pt. 3/8" Dr. Std Sockets:	Adapter 3/8", Dr. 3" Extension Bar
3/8", 7/16", 1/2", 9/16", 5/8",	
11/16", 3/4"	
12-Pt. 3/8" Dr. Metric Std	

107 Piece Fractional/Metric 1/4", 3/8" & 1/2" Drive Socket Set

Order No. 19222

Price

107 Piece Set Includes:

1/4" Dr. Round Hd Ratchet	12-Pt. 3/8" Dr. Deep Sockets:
3/8" Dr. Round Hd Ratchet	3/8", 7/16", 1/2", 9/16", 5/8",
1/2" Dr. Round Hd Ratchet	11/16", 3/4", 13/16", 7/8"
6 Pt. 1/4" Dr. Std Sockets:	12-Pt. 3/8" Dr. Metric Deep Sockets:
5/32", 3/16", 7/32", 1/4", 9/32"	10mm - 19mm
5/16", 11/32", 3/8", 7/16", 1/2"	12-Pt. 1/2" Dr. Deep Sockets:
6-Pt. 1/4" Dr. Metric Std Sockets:	1/2", 9/16", 5/8", 11/16"
4mm - 13mm	6-Pt. 3/8" Dr. 5/8" Spark Plug Socket
12-Pt. 3/8" Dr. Std Sockets:	6-Pt. 3/8" Dr. 13/16" Spark Plug Socket
3/8", 7/16", 1/2", 9/16", 5/8", 11/16",	1/4" Dr. Spinner Handle
3/4", 13/16"	3/8" Dr. 3/8" to 1/4" Reducing Adapter
12-Pt. 3/8" Dr. Metric Std Sockets:	1/4" Dr. 3" Extension Bar
10mm - 19mm	3/8" Dr. 3" Extension Bar
12-Pt. 1/2" Dr. Std Sockets:	1/2" Dr. 3" Extension Bar
1/2", 9/16", 5/8", 11/16", 3/4",	Short Arm Hex Keys:
13/16", 7/8", 15/16"	5/64", 3/32", 1/8", 5/32", 3/16",
12-Pt. 1/2" Dr. Metric Std Sockets:	7/32", 1/4"
18mm - 22mm	High Density Polyethylene Case
6-Pt. 1/4" Dr. Deep Sockets:	
3/16", 7/32", 1/4", 9/32", 5/16",	
11/32", 3/8", 7/16"	
6-Pt. 1/4" Dr. Metric Deep Sockets:	
4mm - 11mm	

HEX BIT SOCKET SETS



9 PIECE — 3/8" DRIVE HEX BIT SOCKET SET

ORDER No. 9956370

Price

INCLUDES: Nine Bit Sockets: 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8"; in a metal box.

8 PIECE — 3/8" DRIVE METRIC HEX BIT SOCKET SET

ORDER No. 9956368

Price

INCLUDES: Eight Bit Sockets: 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm; in a metal box.