

HAND TOOLS



PATTERN & PRECISION FILES



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1/4" Drive Sockets

1



Standard Length



Deep Length

6 Pt.- Standard Length

WILLIAMS 			
SIZE	LENGTH	ORDER NO.	PRICE EACH
1/8	7/8	7220-050	\$6.59
5/32	7/8	7220-051	6.59
3/16	7/8	7220-052	6.72
7/32	7/8	7220-053	6.72
1/4	7/8	7220-054	6.72
9/32	7/8	7220-055	6.72
5/16	7/8	7220-056	6.92
11/32	7/8	7220-057	6.92
3/8	7/8	7220-058	6.92
7/16	7/8	7220-059	6.92
1/2	7/8	7220-060	6.96
9/16	29/32	7220-061	6.99
5/8	31/32	7220-062	7.06

12 Pt. - Standard Length

WILLIAMS 			
SIZE	LENGTH	ORDER NO.	PRICE EACH
3/16	-	-	-
7/32	-	-	-
1/4	7/8	7220-080	\$6.72
9/32	-	-	-
5/16	7/8	7220-081	6.92
11/32	7/8	7220-082	6.92
3/8	7/8	7220-083	6.92
7/16	7/8	7220-084	6.92
1/2	7/8	7220-085	6.96
9/16	29/32	7220-086	6.99

Metric Sockets- 6 Pt. - Standard Length

WILLIAMS 			
SIZE MM	L'GTH	ORDER NO.	PRICE EACH
4	7/8	7220-200	\$6.52
4.5	-	-	-
5	7/8	7220-201	6.52
5.5	7/8	7220-202	6.69
6	7/8	7220-203	6.69
7	7/8	7220-204	6.69
8	7/8	7220-205	6.69
9	7/8	7220-206	6.69
10	7/8	7220-207	6.85
11	7/8	7220-208	6.85
12	7/8	7220-209	6.85
13	7/8	7220-210	6.99
14	29/32	7220-211	7.06
15	-	-	-

6 Pt. - Deep Length

WILLIAMS 			
SIZE	LENGTH	ORDER NO.	PRICE EACH
1/8	2	7251-217	\$3.67
5/32	2	7220-090	9.60
3/16	2	7220-091	9.60
7/32	2	7220-092	9.60
1/4	2	7220-093	9.70
9/32	2	7220-094	9.70
5/16	2	7220-095	9.86
11/32	2	7220-096	9.93
3/8	2	7220-097	9.96
7/16	2	7220-098	10.00
1/2	2	7220-099	10.03
9/16	2	7220-100	10.13

12 Pt. - Deep Length

WILLIAMS 			
SIZE	LENGTH	ORDER NO.	PRICE EACH
3/16	-	-	-
7/32	-	-	-
1/4	-	-	-
9/32	-	-	-
5/16	2	7220-115	\$9.86
11/32	2	7220-116	9.93
3/8	2	7220-117	9.96
7/16	2	7220-118	10.00
1/2	2	7220-119	10.03
9/16	2	7220-120	10.13

Metric Sockets- 6 Pt. - Deep Length

WILLIAMS 			
SIZE MM	L'GTH	ORDER NO.	PRICE EACH
4	2	7220-220	\$10.17
4.4	-	-	-
5	2	7220-221	10.17
5.5	2	7220-222	10.23
6	2	7220-223	10.27
7	2	7220-224	10.27
8	2	7220-225	10.33
9	2	7220-226	10.37
10	2	7220-227	10.47
11	2	7220-228	10.47
12	2	7220-229	10.50
13	2	7220-230	10.53
14	2	7220-231	10.57
15	-	-	-

3/8" Drive Sockets

1



Standard Length



Deep Length

6 Pt. - Standard Length

WILLIAMS 			
SIZE	LENGTH	ORDER NO.	PRICE EACH
1/4	1-1/32	7221-060	\$7.02
5/16	1-1/32	7221-061	7.02
11/32	1-1/32	7221-062	7.16
3/8	1-1/32	7221-063	7.02
7/16	1-1/32	7221-064	7.12
1/2	1-1/32	7221-065	7.12
9/16	1-3/32	7221-066	7.39
5/8	1-1/8	7221-067	7.66
11/16	1-5/32	7221-068	7.66
3/4	1-3/16	7221-069	7.92
13/16	1-1/4	7221-070	8.56
7/8	1-9/32	7221-071	8.89
15/16	1-3/8	7221-072	10.13
1	1-13/32	7221-073	10.47

12 Pt. - Standard Length

WILLIAMS 			
SIZE	LENGTH	ORDER NO.	PRICE EACH
1/4	1-1/32	7221-090	\$7.06
5/16	1-1/32	7221-091	7.06
11/32	1-1/32	7221-092	7.06
3/8	1-1/32	7221-093	7.06
7/16	1-1/32	7221-094	7.16
1/2	1-1/32	7221-095	7.16
17/32	1-1/32	7221-096	7.76
9/16	1-3/32	7221-097	7.66
19/32	1-3/32	7221-098	7.99
5/8	1-1/8	7221-099	7.66
11/16	1-5/32	7221-100	7.66
3/4	1-3/16	7221-101	7.92
13/16	1-1/4	7221-102	8.63
7/8	1-9/32	7221-103	8.89
15/16	1-3/8	7221-104	10.00
1	1-13/32	7221-105	10.27

6 Pt. - Deep Length

WILLIAMS 			
SIZE	LENGTH	ORDER NO.	PRICE EACH
1/4	2-1/8	7221-110	\$8.89
5/16	2-1/8	7221-111	9.03
11/32	2-1/8	7221-112	9.03
3/8	2-1/8	7221-113	9.26
7/16	2-1/8	7221-114	9.26
1/2	2-1/8	7221-115	9.26
9/16	2-3/8	7221-116	9.80
5/8	2-3/8	7221-117	10.03
11/16	2-5/8	7221-118	11.17
3/4	2-5/8	7221-119	12.61
13/16	2-3/4	7221-120	13.38
7/8	2-3/4	7221-121	14.95
15/16	2-3/4	7221-122	17.55
1	2-3/4	7221-123	19.23

12 Pt. - Deep Length

WILLIAMS 			
SIZE	LENGTH	ORDER NO.	PRICE EACH
1/4	2-1/8	7221-130	\$8.96
5/16	2-1/8	7221-131	9.20
11/32	-	-	-
3/8	2-1/8	7221-132	9.20
7/16	2-1/8	7221-133	9.30
1/2	2-1/8	7221-134	9.30
9/16	2-3/8	7221-135	9.86
5/8	2-3/8	7221-136	10.27
11/16	2-5/8	7221-137	11.24
3/4	2-5/8	7221-138	12.91
13/16	2-3/4	7221-139	13.61
7/8	2-3/4	7221-140	15.15
15/16	2-3/4	7221-141	18.06
1	2-3/4	7221-142	19.73

Metric Sockets - 6 Pt. - Std. Length

WILLIAMS 			
SIZE (MM)	LENGTH	ORDER NO.	PRICE EACH
5.5	1-1/32	7221-205	\$7.12
6	1-1/32	7221-206	7.12
7	1-1/32	7221-207	7.16
8	1-1/32	7221-208	7.16
9	1-1/32	7221-209	7.26
10	1-1/32	7221-210	7.26
11	1-1/32	7221-211	7.32
12	1-1/32	7221-212	7.32
13	1-1/32	7221-213	7.32
14	1-1/32	7221-214	7.79
15	1-3/32	7221-215	7.79
16	1-1/8	7221-216	7.79
17	1-5/32	7221-217	7.79
18	1-5/32	7221-218	7.79
19	1-3/16	7221-219	8.13
20	1-7/32	7221-220	8.29
21	1-1/4	7221-221	8.66
22	1-9/32	7221-222	8.89
23	1-5/16	7221-223	9.16
24	1-3/8	7221-224	10.37
26	-	-	-

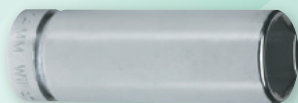
Metric Sockets - 12 Pt. - Std. Length

WILLIAMS 			
SIZE (MM)	LENGTH	ORDER NO.	PRICE EACH
6	1-1/32	7221-225	\$7.12
7	1-1/32	7221-226	7.16
8	1-1/32	7221-227	7.16
9	1-1/32	7221-228	7.26
10	1-1/32	7221-229	7.26
11	1-1/32	7221-230	7.32
12	1-1/32	7221-231	7.32
13	1-1/32	7221-232	7.32
14	1-1/32	7221-233	7.79
15	1-3/32	7221-234	7.79
16	1-1/8	7221-235	7.79
17	1-5/32	7221-236	7.79
18	1-5/32	7221-237	7.79
19	1-3/16	7221-238	8.13
20	1-7/32	7221-239	8.29
21	1-1/4	7221-240	8.66
22	1-9/32	7221-241	8.89
23	1-5/16	7221-242	9.16
24	1-3/8	7221-243	10.37
26	1-7/16	7221-245	11.17

3/8" Drive Sockets

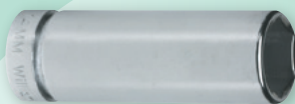
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Metric Sockets - 6 Pt. - Deep Length



WILLIAMS 			
SIZE (MM)	OVERALL LENGTH	ORDER NO.	PRICE EACH
6	2-1/8	7221-250	\$9.50
7	2-1/8	7221-251	9.50
8	2-1/8	7221-252	9.50
9	2-1/8	7221-253	9.63
10	2-1/8	7221-254	9.63
11	2-1/8	7221-255	9.63
12	2-1/8	7221-256	9.63
13	2-1/8	7221-257	9.63
14	2-3/8	7221-258	10.27
15	2-3/8	7221-259	10.27
16	2-3/8	7221-260	10.33
17	2-5/8	7221-261	10.47
18	2-5/8	7221-262	11.24
19	2-5/8	7221-263	11.77
20	2-5/8	7221-264	12.84
22	2-7/8	7221-265	15.52
23	2-7/8	7221-266	17.89
24	2-7/8	7221-267	19.06
25	2-7/8	7221-268	19.39

Metric Sockets - 12 Pt. - Deep Length



WILLIAMS 			
SIZE (MM)	OVERALL LENGTH	ORDER NO.	PRICE EACH
6	2-1/2	7231-806	\$6.45
7	2-1/2	7231-807	6.45
8	2-1/2	7231-808	6.72
9	2-1/2	7231-809	6.72
10	2-1/2	7231-810	6.45
11	2-1/2	7231-811	6.72
12	2-1/2	7231-812	6.45
13	2-1/2	7231-813	6.45
14	2-1/2	7231-814	7.02
15	2-1/2	7231-815	7.02
16	2-1/2	7231-816	7.02
17	2-1/2	7231-817	6.72
18	2-1/2	7231-818	7.16
19	2-1/2	7231-819	7.69

Socket Sets with Clips & Rail



Standard Socket Set

WILLIAMS 				
SET PIECES	SIZES/ DESCRIPTION	SOCKET TYPE	ORDER NO.	PRICE EACH
12	8-19mm	standard	7233-045	\$91.62
12	6-19mm metric (6 pt.)	standard deep	7232-317	91.62
			7232-318	122.38
13	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1" (12 pt.)	standard	7232-060	105.66
		deep	7232-064	163.18

3/8" Hex Bit Set



Hex Bit

WILLIAMS 			
SET PIECES	SIZES/ DESCRIPTION	ORDER NO.	PRICE EACH
10 (hex)	above sizes+ 1/2, 9/16, 5/8"	7232-113	\$151.81



TURBOSOCKET® Salvage Socket Sets, 6pt



• Clips and Rail Included • Black Finish

SET PCS.	DESCRIPTION	ORDER NO.	PRICE
7	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4"	7232-477	\$234.73
9	metric (mm): 10, 11, 12, 13, 14, 15, 16, 17, 19	7232-476	313.64
13	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4" 10, 12-15, 17mm	7232-475	397.91

3/8" Drive Socket Sets

WILLIAMS®

15 pc. Drive Socket Set

- Pro-quality, high-grade chrome vanadium steel
- Sockets feature SUPERTORQUE® lobular openings for greater turning power
- Packed in rugged compact high-density polyethylene (HDPE) case: strong, durable, lightweight



1

DESCRIPTION	ORDER NO.	PRICE
Std. 12pt. 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8	7296-437	\$59.35
DRIVE TOOLS		
7-3/4" Pear Head Ratchet, Extensions: 3, 6", Universal Joint		

WILLIAMS®

34 pc., 3/8" Drive Basic Tool Set



3

DESCRIPTION	ORDER NO.	PRICE
3/8": 1/4-1 std., 6 pt. 1/4" hex bits: 5/32-1/4 slt. #0-#3 phillips, #1-#2 sq. tip 1/8-1/4 hex tip	7297-664	\$89.28
DRIVE TOOLS		
1/4: Spinner Handle, Universal Joint, 1/4" 1/4" Hex Bit Holder		
3/8: 7-3/4" Ratchet, Extensions: 3", 6", Universal Joint, 1/4" Hex Bit Holder		

WILLIAMS®  Made in USA

29 pc. Socket Set



- In Metal Box • Fully Polished

1

DESCRIPTION	ORDER NO.	PRICE
5/8-7/8" (12 pt.) 1/4-5/16" (6 pt.) 6-19mm (6 pt. metric)	7232-813	\$337.72
DRIVE TOOLS		
Enclosed Head Ratchet, 8" Extensions, 3, 6", Universal Joint		

WILLIAMS®

95 pc. Master Socket & Tool Set



3/8" & 1/4" Drive

DESCRIPTION	ORDER NO.	PRICE
1/4: 3/16-9/16 std./deep, 1/8-5/16, 3-8mm hex, T10-T30 Torx, 5/32 slotted-#2 phillips bit 3/8: 3/8-1 std./deep (4) Screwdrivers: 3/16", 1/4" x 4" slt., #1, #2 x 4" phillips (9) 12pt. Wrenches: 1/4"-3/4"	7297-668	\$332.80
DRIVE TOOLS		
38-tooth Quick-Release Ratchet (1/4, 3/8), Extensions: 1/4: 1-1/2, 3", 3/8: 3, 6, 10" Flex Handle (1/4, 3/8: 10"), Spinner Handle (1/4), Universal Joint (1/4, 3/8), Sliding T-Handle (3/8) 1/4"F x 3/8" M Adapter, 3/8"F x 1/4" M Adapter, 3/8"F x 1/2" M Adapter		

1

WILLIAMS® 79 pc. Deluxe Tool Set

- Pro-quality, hi-grade chrome vanadium steel
- Supertorque® lobular openings for greater turning power without deforming the fastener
- Rugged high-density polyethylene (HDPE) case - strong, durable, and lightweight
- 2-component handles, easy-grip, comfortable to carry
- Shock-proof case at high/low temps, equipped with heavy-duty metal latches and hinges



1

DESCRIPTION	ORDER NO.	PRICE
1/4: 5/32-1/4 slotted, #0-#3 phillips bit #1-#2 sq. tip, 1/8-1/4 hex tip 3/8: 1/4-1 std./deep, 6/12pt. 6-19 mm std./deep	7297-667	\$223.36
DRIVE TOOLS		
38-tooth Quick-Release Ratchet (3/8), Extensions: 3/8: 3, 6, 10" Flex Handle (3/8: 10"), Spinner Handle (1/4), Universal Joint (1/4, 3/8), Sliding T-Handle (3/8) 1/4"F x 3/8" M Adapter, 3/8"F x 1/4" M Adapter, 3/8"F x 1/2" M Adapter 1/4" Hex Bit Holder		

1/2" Drive Sockets



Standard Length

Deep Length

6 Pt.- Standard Length

SIZE	LENGTH	ORDER NO.	PRICE EACH
3/8	1-1/2	7222-070	\$8.93
7/16	1-1/2	7222-071	8.89
1/2	1-1/2	7222-072	8.96
9/16	1-1/2	7222-073	9.03
19/32	1-1/2	7222-074	9.20
5/8	1-1/2	7222-075	9.16
21/32	1-1/2	7222-076†	4.23
11/16	1-1/2	7222-077	10.13
3/4	1-1/2	7222-078	10.17
25/32	1-1/2	7222-079	10.50
13/16	1-1/2	7222-080	11.64
7/8	1-1/2	7222-081	11.64
15/16	1-17/32	7222-082	11.77
1	1-9/16	7222-083	13.31
1-1/16	1-11/16	7222-084	13.94
1-1/8	1-3/4	7222-085	16.62
1-1/4	1-7/8	7222-086	18.89

† Limited Quantities

12 Pt. - Standard Length

SIZE	LENGTH	ORDER NO.	PRICE EACH
3/8	1-1/2	7222-110	\$8.89
7/16	1-1/2	7222-111	8.89
1/2	1-1/2	7222-112	8.96
9/16	1-1/2	7222-113	8.99
19/32	1-1/2	7222-114	9.20
5/8	1-1/2	7222-115	9.16
21/32	1-1/2	7222-116	9.90
11/16	1-1/2	7222-117	10.13
3/4	1-1/2	7222-118	10.17
25/32	1-1/2	7222-119	8.89
13/16	1-1/2	7222-120	11.64
7/8	1-1/2	7222-121	11.64
15/16	1-17/32	7222-122	11.77
31/32	1-9/16	7222-123	12.17
1	1-9/16	7222-124	13.34
1-1/16	1-11/16	7222-125	13.94
1-1/8	1-3/4	7222-126	16.62
1-3/16	1-3/4	7222-127	17.72
1-1/4	1-7/8	7222-128	18.89
1-5/16	1-7/8	7222-129	23.07
1-3/8	2-1/16	7222-130	24.91
1-7/16	2-1/4	7222-131	35.95
1-1/2	2-1/4	7222-132	35.95

6 Pt. - Deep Length

SIZE	LENGTH	ORDER NO.	PRICE EACH
1/2	3-7/32	7222-135	\$15.78
9/16	3-7/32	7222-136	15.88
5/8	3-1/4	7222-137	16.05
11/16	3-1/4	7222-138	16.12
3/4	3-1/4	7222-139	16.89
13/16	3-1/4	7222-140	17.05
7/8	3-1/4	7222-141	18.39
15/16	3-1/4	7222-142	19.23
1	3-1/4	7222-143	20.90
1-1/16	3-1/4	7222-144	21.90
1-1/8	3-1/4	7222-145	22.74

12 Pt. - Deep Length

SIZE	LENGTH	ORDER NO.	PRICE EACH
1/2	3-1/4	7222-150	\$15.65
9/16	3-1/4	7222-151	15.88
5/8	3-1/4	7222-152	16.05
11/16	3-1/4	7222-153	16.12
3/4	3-1/4	7222-154	16.89
25/32	3-1/4	7222-155	17.22
13/16	3-1/4	7222-156	17.05
7/8	3-1/4	7222-157	18.39
15/16	3-1/4	7222-158	19.23
1	3-1/4	7222-159	20.90
1-1/16	3-1/4	7222-160	21.90
1-1/8	3-1/4	7222-161	22.74

Metric Sockets- 12 Pt. - Standard Length

SIZE	LENGTH	ORDER NO.	PRICE EACH
10	1-1/2	7222-210	\$8.99
11	1-1/2	7222-211	9.03
12	1-1/2	7222-212	9.03
13	1-1/2	7222-213	9.03
14	1-1/2	7222-214	9.20
15	1-1/2	7222-215	9.20
16	1-1/2	7222-216	9.26
17	1-1/2	7222-217	9.86
18	1-1/2	7222-218	10.33
19	1-1/2	7222-219	10.33
20	1-1/2	7222-220	11.57
21	1-1/2	7222-221	12.07
22	1-1/2	7222-222	12.07
23	1-1/2	7222-223	12.10
24	1-17/32	7222-224	12.07
25	1-9/16	7222-225	12.97
26	1-5/8	7222-226	14.31
27	1-23/32	7222-227	14.75
28	1-3/4	7222-228	16.89
29	1-3/4	7222-229	16.89
30	1-3/4	7222-230	18.56
32	1-7/8	7222-232	20.73
34	2-1/16	7222-234	30.26

1/2" Drive Socket Sets



TURBOSOCKET®

Salvage Socket Set (6 pt.)



- Clips and Rail Included
- Black

SET PCS.	DESCRIPTION	ORDER NO.	PRICE
5	3/4-1", 19mm	7232-478	\$209.32
7	14-19, 21mm (metric)	7232-479	283.55



6 pc. Hex Bit Set



- High-polished chrome finish socket cleans easily
- Clip rail included

DESCRIPTION	ORDER NO.	PRICE
8-19mm (metric)	7232-904	\$89.28



5 pc. TORX® Bit Set



- High-polished chrome finish socket cleans easily
- Clip rail included

DESCRIPTION	ORDER NO.	PRICE
T40, T45, T50, T55, T60	7232-908	\$71.89



30 pc. Socket Set



- Keep-Safe-Foam system organizes, prevents loss
- Pro-quality, hi-grade chrome vanadium steel
- Supertorque® lobular openings for greater turning power without deforming the fastener
- Metal tool box made for years of rugged use

DESCRIPTION	ORDER NO.	PRICE
1/2-1-1/8" deep 3/8-1-1/4" std.	7233-843	\$648.69
DRIVE TOOLS		
15-1/2" Flex Handle, 10-3/8" Enclosed Head Ratchet, 5 & 10" Extensions, Universal Joint		



23 pc. Socket Set



- Pro-quality, hi-grade chrome vanadium steel
- Supertorque® lobular openings for greater turning power without deforming the fastener
- Rugged high-density polyethylene (HDPE) case - strong, durable, and lightweight
- Shock-proof case at high/low temps, equipped with heavy-duty metal latches & hinges
- 2-component handles, comfortable easy-grip

DESCRIPTION	ORDER NO.	PRICE
3/8-1/4" std.	7250-609	\$193.94
DRIVE TOOLS		
9-7/8" Quick- Release Ratchet, 3, 6, 10" Extensions, 15" Flex Handle Breaker Bar, Universal Joint, 1/2" FX 3/8" M Adapter, 1/2" FX 3/4" M Adapter		



23 pc. Socket Set (Metric)



- Pro-quality, hi-grade chrome vanadium steel
- Supertorque® lobular openings for greater turning power without deforming the fastener
- Rugged high-density polyethylene (HDPE) case - strong, durable, and lightweight
- Shock-proof case at high/low temps, equipped with heavy-duty metal latches & hinges
- 2-component handles, comfortable easy-grip

DESCRIPTION	ORDER NO.	PRICE
10mm - 32mm	7250-619	\$193.94
DRIVE TOOLS		
9-7/8" Quick- Release Ratchet, 3, 6, 10" Extensions, 15" Flex Handle Breaker Bar, Universal Joint, 1/2" FX 3/8" M Adapter, 1/2" FX 3/4" M Adapter		

Page In Transition
Please Continue On Next Page

3/4" Drive Sockets



Standard Length



Deep Length

12 Pt. - Standard Length

 1 Made in USA			
SIZE	LENGTH	ORDER NO.	PRICE EACH
3/4	2	7290-816	\$22.07
13/16	2	7290-766	22.40
7/8	2	7290-767	22.74
15/16	2	7290-768	22.74
31/32	2	7290-817	23.57
1	2-1/16	7223-055	22.40
1-1/16	2-1/8	7290-818	22.74
1-1/8	2-3/16	7223-057	23.07
1-3/16	2-1/4	7223-058	23.24
1-1/4	2-1/4	7223-059	25.08
1-5/16	2-5/16	7223-060	28.59
1-3/8	2-5/16	7223-061	32.43
1-7/16	2-3/8	7223-062	34.11
1-1/2	2-1/2	7223-063	35.95
1-9/16	2-5/8	7223-064	41.46
1-5/8	2-5/8	7223-065	42.30
1-11/16	2-3/4	7223-066	46.14
1-3/4	2-3/4	7223-067	49.32
1-13/16	2-7/8	7223-068	52.33
1-7/8	3	7223-069	55.84
2	3-1/8	7292-186	60.02
2-1/16	3-1/8	7223-073	68.21
2-1/8	3-1/4	7292-187	72.23
2-3/16	3-1/4	7223-075	77.24
2-1/4	3-3/8	7292-188	92.62
2-5/16	3-1/2	7223-077	91.95
2-3/8	3-5/8	7223-078	104.66

Metric Sockets- 12 Pt. - Standard Length

 1 Made in USA			
SIZE (MM)	LENGTH	ORDER NO.	PRICE EACH
19	2	7223-100	\$23.74
20	-	-	-
21	-	-	-
22	2	7290-769	32.10
23	-	-	-
24	2	7290-770	32.10
25	-	-	-
26	-	-	-
27	2	7223-108	34.61
28	-	-	-
29	-	-	-
30	2-7/32	7290-828	37.45
32	2-1/4	7223-113	40.46
33	-	-	-
35	2-5/16	7223-116	47.98
36	2-5/16	7223-117	53.67
38	2-1/2	7223-119	53.67
41	2-5/8	7223-122	61.19
46	3-1/8	7223-126	68.88
50	3	7223-130	84.60
54	3-1/4	7223-134	80.25
55	3-1/4	7223-135	100.31
58	-	-	-
60	3-5/8	7223-140	122.05

6 & 12 Pt. - Deep Length

 1 Made in USA			
SIZE	LENGTH (6 PT.)	ORDER NO.	PRICE EACH
7/8	3-1/2	7223-085	\$34.94
15/16	3-1/2	7223-086	35.95
1	3-1/2	7223-087	36.11
1-1/16	3-1/2	7223-088	37.12
1-1/8	3-1/2	7223-089	37.62
1-1/4	3-1/2	7223-091	38.95
1-5/16	3-1/2	7292-189	41.46
1-3/8	3-1/2	7223-093	46.31
1-7/16	3-1/2	7223-094	47.31
1-1/2	3-1/2	7223-095	52.00
1-5/8	3-1/2	7223-097	61.53

Ratchet Handles

Narrow Head



- Single pawl ratchet design with 36 tooth gear has 10° of engagement for working in a confined area
- 3/4" drive has 24 tooth gear, with 15° of engagement
- Shift lever reverses action instantly
- Nickel/Chrome plated
- ANSI B107.10m Fed. Spec. GGG-W-641e

1

WILLIAMS  Made in USA			
DRIVE	LENGTH	ORDER NO.	PRICE EACH
1/4	5-1/4	7290-494	\$ 38.95
3/8	8	7290-496	52.33
3/8	10-1/4	7290-498	61.69
1/2	10-1/4	7290-499	78.58
1/2	15	7290-501	86.60
3/4	20-1/8	7223-002	193.27

Flex Head



- Flex head swings 90° in either direction
- Nickel/Chrome plated
- ANSI B107.10m Fed. Spec. GGG-W-641e

1

WILLIAMS  Made in USA			
DRIVE	LENGTH	ORDER NO.	PRICE EACH
1/4	7	7294-564	\$44.64
3/8	9-11/16	7299-231	82.93
1/2	14-1/4	7294-566	106.33

Round Head



- Double pawl ratchet design with 72 teeth action provides a 5° ratcheting angle
- Shift lever reverses action instantly
- Chrome plated
- ANSI B107.10m Fed. Spec. GGG-W-641e

1

WILLIAMS  Made in USA			
DRIVE	LENGTH	ORDER NO.	PRICE EACH
1/4	5	7220-001	\$45.64
3/8	7-5/8	7221-000	52.83
3/8	10-1/2	7221-004	62.36
1/2	11-5/16	7222-000	79.92
1/2	15	7222-005	84.26

Drive Speeder



1

WILLIAMS  Made in USA			
DRIVE	LENGTH	ORDER NO.	PRICE EACH
1/4	15-1/2	7290-775	\$43.13
1/4	15-3/4	-	-
3/8	16-1/2	-	-
3/8	18	7221-030	51.83
1/2	13-5/8	7222-041	45.48
1/2	18-1/16	7222-042	48.48
1/2	19	-	-

Flexible Extension



1

WILLIAMS  Made in USA			
DRIVE	LENGTH	ORDER NO.	PRICE EACH
1/4	6	7220-025	\$18.22

Ratchet Handles & Accessories

1

Flex Handles



- Designed to provide additional leverage in turning nuts or fasteners
- 1/2" male adapter slides on bar for flexibility

			
DRIVE	LENGTH	ORDER NO.	PRICE EACH
1/4	5-3/4	7220-015	\$25.58
3/8	8-9/16	7236-976	33.60
1/2	10-7/16	7222-024	56.18
1/2	15-1/2	7222-025	64.20
3/4	22-1/8	7223-012	144.12

T-Handles



- Designed to provide additional leverage in turning nuts or fasteners
- 1/2" male adapter slides on bar for flexibility

			
DRIVE	LENGTH	ORDER NO.	PRICE EACH
3/8	7-15/16	7221-032	\$73.56
1/2	12	7222-043	83.59

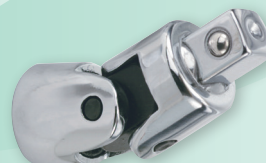
Drive Extensions



- Designed for use with ratchet and socket to access hard to reach areas
- Provided with ball and spring holding mechanism
- Hardened and Tempered
- Chrome Vanadium Steel
- Nickel Chrome Plated

			
DRIVE	LENGTH	ORDER NO.	PRICE EACH
1/4	2	7220-020	\$9.26
1/4	4	7220-021	10.83
1/4	6	7290-773	12.34
1/4	10	7290-772	17.72
1/4	24	7290-774	54.67
3/8	1-1/2	7221-013	8.33
3/8	3	7221-019	11.97
3/8	6	7221-020	15.28
3/8	11	7221-021	19.23
3/8	18	7221-022	43.64
1/2	2	7222-031	14.01
1/2	5	7222-032	18.22
1/2	10	7222-033	23.57
1/2	20	7222-040	48.48
3/4	3	7223-015	36.45
3/4	8	7223-016	65.37
3/4	16	7223-017	84.60

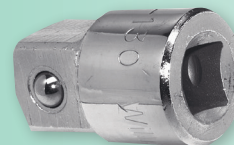
Universal Joint



- Designed to drive sockets at an offset angle

		
DRIVE	ORDER NO.	PRICE EACH
1/4	7220-033	\$28.59
3/8	7221-033	34.27
1/2	7222-049	33.10
3/4	7223-026	93.96

Drive Adapters



- Allows use of drivers of one drive size with sockets of the next larger size

			
FEMALE END	MALE END	ORDER NO.	PRICE EACH
1/4	3/8	7220-040	\$9.06
3/8	1/4	7231-008*	6.82
1/2	3/8	7232-008*	7.12
1/2	3/4	7222-053	17.72
3/4	1/2	7233-008*	15.92
3/4	1	7223-040	35.44
1	3/4	7223-041	51.66

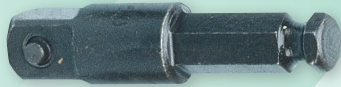
* IMPORT

Impact Accessories

1

Extensions, Universal Impact, Adapters

Extensions (Hexagon/Square Shank)



WILLIAMS  Made in USA				
DRIVE	LENGTH	MALE	ORDER NO.	PRICE EACH
3/8	2	3/8" SQ. x 1/4" HEX	7229-020	\$24.08
3/8	2 3/4	3/8" SQ. x 7/16" HEX	7229-021	20.56
1/2	2 3/4	1/2" SQ. x 7/16" HEX	7226-003	16.89
1/2	5	1/2" SQ. x 7/16" HEX	7226-004	22.24
1/2	2 3/4	1/2" SQ. x 5/8" HEX	7226-005	20.56

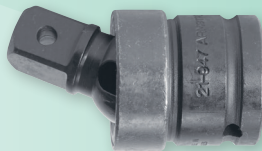
Extensions






DRIVE	LENGTH	ORDER NO.	PRICE EACH
3/8	3	7225-004	\$14.75
3/8	6	7225-005	18.56
1/2	3-1/2	7225-200	15.41
1/2	5	7225-201	18.89
1/2	10	7225-202	22.40
3/4	6-7/8	7225-500	82.59
3/4	9-3/4	7225-501	86.60
3/4	13	7225-502	88.94

Universal Joint



1

WILLIAMS  Made in USA		
DRIVE	ORDER NO.	PRICE EACH
3/8	7225-006	\$33.60
1/2	7225-206	41.13
3/4	7225-503	113.02

Adapters



Williams - w/o Pin

1

WILLIAMS  Made in USA				
DRIVE	MALE END	FEMALE END	ORDER NO.	PRICE EACH
3/8	1/2	3/8	7225-007	\$10.83
1/2	3/8	1/2	7235-382	14.24
1/2	3/4	1/2	7225-208	23.07
3/4	1/2	3/4	7225-504	32.94
3/4	1	3/4	7225-505	36.61

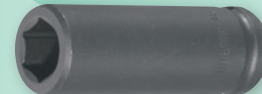
Impact Sockets

3



3/8" Drive - 6 pt. - Standard Length

WILLIAMS 				ARMSTRONG 			
SIZE	LENGTH	ORDER NO.	PRICE EACH	LENGTH	ORDER NO.	PRICE EACH	
1/4	1-5/32	7236-108	\$2.46	1.141	7519-608	\$5.17	
5/16	1	7236-110	2.46	1.141	7519-610	5.34	
3/8	1	7236-112	2.53	1.141	7519-612	5.30	
7/16	1-3/32	7236-114	2.59	1.141	7519-614	5.53	
1/2	1-5/32	7236-116	2.62	1.141	7519-616	5.37	
9/16	1-1/16	7236-118	2.69	1.141	7519-618	5.53	
5/8	1-1/16	7236-120	2.78	1.141	7519-620	5.53	
11/16	1-1/16	7236-122	2.88	1.141	7519-622	5.53	
3/4	1-1/8	7236-124	2.94	1.141	7519-624	5.59	



3/8" Drive - 6 pt. - Deep Length

WILLIAMS 				ARMSTRONG			
SIZE	LENGTH	ORDER NO.	PRICE EACH	LENGTH	ORDER NO.	PRICE EACH	
1/4	2-1/2	7236-308	\$3.07	2.516	7519-708	\$6.69	
5/16	2-1/2	7236-310	3.07	2.516	7519-710	6.62	
3/8	2-1/2	7236-312	3.10	2.516	7519-712	6.78	
7/16	2-1/2	7236-314	3.14	2.516	7519-714	6.98	
1/2	2-1/2	7236-316	3.23	2.516	7519-716	7.21	
9/16	2-1/2	7236-318	3.36	2.797	7519-718	7.52	
5/8	2-1/2	7236-320	3.42	2.797	7519-720	7.39	
11/16	2-1/2	7236-322	3.58	2.797	7519-722	7.90	
3/4	2-1/2	7236-324	3.71	2.797	7519-724	7.96	
13/16	-	-	-	2.797	7519-726	8.51	
7/8	-	-	-	2.797	7519-728	8.82	
15/16	-	-	-	2.797	7519-730	10.65	
1	-	-	-	2.797	7519-732	11.32	

1/2" Drive - 6 pt. - Standard Length

WILLIAMS				ARMSTRONG				Pittsburg 			
SIZE	LENGTH	ORDER NO.	PRICE EACH	LENGTH	ORDER NO.	PRICE EACH		LENGTH	ORDER NO.	PRICE EACH	
3/8	1-1/2	7237-112	\$3.07	1.531	7520-012	\$6.57	-	-	-	-	-
7/16	1-1/2	7237-114	3.14	1.531	7520-014	6.57	1.500	7706-541	\$2.67	-	-
1/2	1-1/2	7237-116	3.14	1.531	7520-016	6.57	1.500	7706-542	3.07	-	-
9/16	1-1/2	7237-118	3.14	1.531	7520-018	6.57	1.500	7706-543	3.14	-	-
5/8	1-1/2	7237-120	3.42	1.531	7520-020	6.57	1.500	7706-544	3.31	-	-
11/16	1-1/2	7237-122	3.87	1.531	7520-022	7.18	1.500	7706-545	3.47	-	-
3/4	1-1/2	7237-124	3.87	1.531	7520-024	7.40	1.500	7706-546	3.57	-	-
13/16	1-1/2	7237-126	4.67	1.656	7520-026	8.47	1.500	7706-547	3.80	-	-
7/8	1-1/2	7237-128	4.90	1.656	7520-028	8.99	1.500	7706-548	4.09	-	-
15/16	1-3/4	7237-130	5.25	1.797	7520-030	10.67	1.500	7706-549	4.09	-	-
1	1-3/4	7237-132	5.54	1.750	7520-032	11.07	-	-	-	-	-
1-1/16	1-3/4	7237-134	6.91	1.750	7520-034	12.54	-	-	-	-	-
1-1/8	1-3/4	7237-136	7.39	2.000	7520-036	13.03	-	-	-	-	-
1-3/16	-	-	-	2.000	7520-038	13.92	-	-	-	-	-
1-1/4	1-3/4	7237-140	10.85	2.000	7520-040	16.13	1.500	7706-554	7.76	-	-
1-5/16	-	-	-	2.000	7520-042	19.30	-	-	-	-	-
1-3/8	-	-	-	2.000	7520-044	19.30	-	-	-	-	-
1-7/16	-	-	-	2.000	7520-046	21.50	-	-	-	-	-
1-1/2	-	-	-	2.000	7520-048	27.09	-	-	-	-	-

1/2" Drive - 6 pt. - Deep Length

WILLIAMS				ARMSTRONG				Pittsburg 			
SIZE	LENGTH	ORDER NO.	PRICE EACH	LENGTH	ORDER NO.	PRICE EACH		LENGTH	ORDER NO.	PRICE EACH	
3/8	3-1/4	7237-312	\$5.34	3.266	7520-212	\$10.02	-	-	-	-	-
7/16	3-1/4	7237-314	5.34	3.266	7520-214	10.02	-	-	-	-	-
1/2	3-1/4	7237-316	5.34	3.266	7520-216	10.02	3.071	7706-737	\$5.52	-	-
9/16	3-1/4	7237-318	5.50	3.266	7520-218	10.46	3.071	7706-738	5.52	-	-
5/8	3-1/4	7237-320	5.50	3.266	7520-220	10.35	3.071	7706-739	5.66	-	-
11/16	3-1/4	7237-322	5.50	3.266	7520-222	10.83	3.071	7706-740	5.90	-	-
3/4	3-1/4	7237-324	5.98	3.266	7520-224	11.30	3.071	7706-741	6.33	-	-
13/16	3-1/4	7237-326	5.98	3.266	7520-226	11.79	3.071	7706-742	6.57	-	-
7/8	3-1/2	7237-328	7.07	3.266	7520-228	13.48	3.071	7706-743	6.80	-	-
15/16	3-1/2	7237-330	7.07	3.500	7520-230	13.56	3.071	7706-744	8.99	-	-
1	3-1/2	7237-332	8.06	3.500	7520-232	14.63	-	-	-	-	-
1-1/16	3-1/2	7237-334	9.22	3.500	7520-234	17.48	-	-	-	-	-
1-1/8	3-1/2	7237-336	12.86	3.500	7520-236	21.13	-	-	-	-	-
1-3/16	3-1/2	7237-338	13.38	-	-	-	-	-	-	-	-
1-1/4	3-1/2	7237-340	14.05	3.500	7520-240	22.50	-	-	-	-	-
1-5/16	-	-	-	3.500	7520-242	25.59	-	-	-	-	-
1-3/8	-	-	-	3.500	7520-244	28.23	-	-	-	-	-
1-7/16	-	-	-	3.500	7520-246	31.43	-	-	-	-	-
1-1/2	-	-	-	3.500	7520-248	36.98	-	-	-	-	-

3/4" Drive - 6 pt.- Standard Length

WILLIAMS				ARMSTRONG			
SIZE	LENGTH	ORDER NO.	PRICE EACH	LENGTH	ORDER NO.	PRICE EACH	
1/2	-	-	-	1.750	7521-016	\$15.41	
9/16	-	-	-	1.750	7521-018	15.49	
5/8	-	-	-	1.750	7521-020	15.49	
11/16	-	-	-	1.750	7521-022	15.49	
3/4	-	-	-	1.750	7521-024	15.76	
13/16	-	-	-	1.875	7521-026	17.73	
7/8	2	7238-128	\$9.66	1.875	7521-028	17.73	
15/16	2	7238-130	9.70	2.000	7521-030	17.73	
1	2-1/16	7238-132	9.98	2.000	7521-032	17.97	
1-1/16	2-1/16	7238-134	10.98	2.000	7521-034	19.17	
1-1/8	2-1/16	7238-136	11.36	2.000	7521-036	20.30	
1-3/16	2-1/16	7238-138	11.90	2.125	7521-038	20.67	
1-1/4	2-1/4	7238-140	11.90	2.125	7521-040	21.54	
1-5/16	2-1/4	7238-142	13.12	2.125	7521-042	22.07	
1-3/8	2-1/4	7238-144	13.44	2.250	7521-044	22.79	
1-7/16	2-1/4	7238-146	14.08	2.250	7521-046	24.23	
1-1/2	2-1/4	7238-148	14.08	2.375	7521-048	26.09	
1-9/16	2-1/4	7238-150	15.01	2.375	7521-050	26.92	
1-5/8	2-1/4	7238-152	15.87	2.375	7521-052	27.49	
1-11/16	2-7/16	7238-154	16.26	2.375	7521-054	26.92	
1-3/4	2-7/16	7238-156	16.32	2.625	7521-056	26.92	
1-13/16	2-7/16	7238-158	17.34	2.625	7521-058	26.92	
1-7/8	2-11/16	7238-160	18.88	2.750	7521-060	28.91	
1-15/16	2-11/16	7238-162	21.28	2.750	7521-062	30.27	
2	2-11/16	7238-164	22.56	2.875	7521-064	36.01	

3/4" Drive - 6 pt. - Deep Length

WILLIAMS 				ARMSTRONG			
SIZE	LENGTH	ORDER NO.	PRICE EACH	LENGTH	ORDER NO.	PRICE EACH	
9/16	-	-	-	3.250	7521-218	\$22.85	
5/8	-	-	-	3.250	7521-220	21.74	
11/16	-	-	-	3.250	7521-222	21.72	
3/4	3	7225-554	\$28.76	3.250	7521-224	22.37	
13/16	3	7225-555	29.09	3.500	7521-226	22.37	
7/8	3	7225-556	29.59	3.500	7521-228	23.25	
15/16	3	7225-557	31.43	3.500	7521-230	24.32	
1	3	7225-558	31.77	3.500	7521-232	25.19	
1-1/16	3	7225-559	32.43	3.500	7521-234	25.85	
1-1/8	3	7225-560	32.94	3.500	7521-236	27.46	
1-3/16	3-3/16	7225-561	38.62	3.500	7521-238	27.95	
1-1/4	3-1/4	7225-562	39.46	3.500	7521-240	30.10	
1-5/16	3-1/4	7225-563	42.63	3.562	7521-242	30.69	
1-3/8	3-1/4	7225-564	44.14	3.562	7521-244	33.01	
1-7/16	3-1/2	7225-565	46.14	3.562	7521-246	36.05	
1-1/2	3-1/2	7225-566	47.82	3.562	7521-248	36.22	
1-9/16	3-1/2	7225-567	47.82	3.562	7521-250	35.31	
1-5/8	3-1/2	7225-568	48.48	3.562	7521-252	38.82	
1-11/16	3-1/2	7225-569	49.32	3.562	7521-254	37.66	
1-3/4	3-1/2	7225-570	52.00	3.500	7521-256	40.60	
1-13/16	3-3/4	7225-571	54.67	3.500	7521-258	40.99	
1-7/8	2-3/4	7225-572	57.85	3.500	7521-260	43.66	
1-15/16	-	-	-	3.500	7521-262	44.55	
2	2-7/8	7225-574	60.02	3.750	7521-264	44.60	

Impact Sockets- Metric

3



3/8" Drive - 6 pt. - Standard Length

WILLIAMS				ARMSTRONG		
SIZE (MM)	LENGTH	ORDER NO.	PRICE EACH	LENGTH	ORDER NO.	PRICE EACH
7	1	7236-507	\$3.74	27.4	7546-607	\$5.65
8	1	7236-508	3.74	27.4	7546-608	5.65
9	1	7236-509	3.74	27.4	7546-609	5.65
10	1	7236-510	2.94	29.0	7546-610	5.65
11	1	7236-511	2.94	29.0	7546-611	5.65
12	1	7236-512	2.94	29.0	7546-612	5.65
13	1	7236-513	2.94	29.0	7546-613	5.65
14	1-1/16	7236-514	2.94	29.0	7546-614	5.65
15	1-1/16	7236-515	2.94	29.0	7546-615	5.65
16	1-1/16	7236-516	3.14	29.0	7546-616	5.78
17	1-1/16	7236-517	3.39	29.0	7546-617	6.09
18	1-1/16	7236-518	3.39	29.0	7546-618	6.26
19	1-5/32	7236-519	3.39	30.0	7546-619	6.38
20	-	-	-	30.0	7546-620	7.29
21	-	-	-	30.0	7546-621	7.55
22	-	-	-	30.0	7546-622	7.93



3/8" Drive - 6 pt. - Deep Length

WILLIAMS				ARMSTRONG		
SIZE (MM)	LENGTH	ORDER NO.	PRICE EACH	LENGTH	ORDER NO.	PRICE EACH
7	2-1/2	7236-707	\$3.71	63.9	7546-707	\$7.41
8	2-1/2	7236-708	3.71	63.9	7546-708	7.26
9	2-1/2	7292-657	-	63.9	7546-709	7.41
10	2-1/2	7236-710	3.71	63.9	7546-710	7.65
11	2-1/2	7236-711	3.71	63.9	7546-711	7.41
12	2-1/2	7236-712	3.71	63.9	7546-712	7.41
13	2-1/2	7236-713	3.71	63.9	7546-713	7.41
14	2-1/2	7236-714	3.71	63.9	7546-714	7.41
15	2-1/2	7236-715	3.71	71.0	7546-715	7.41
16	2-1/2	7236-716	3.78	71.0	7546-716	7.58
17	2-1/2	7236-717	4.00	71.0	7546-717	7.86
18	2-1/2	7236-718	4.00	71.0	7546-718	7.86
19	2-1/2	7236-719	4.00	71.0	7546-719	7.86

1/2" Drive - 6 pt. - Standard Length

WILLIAMS				ARMSTRONG		
SIZE (MM)	LENGTH	ORDER NO.	PRICE EACH	LENGTH	ORDER NO.	PRICE EACH
9	-	-	-	38.9	7547-009	\$6.71
10	1-1/2	7237-510	\$6.02	38.9	7547-010	6.71
11	1-1/2	7237-511	6.02	38.9	7547-011	6.71
12	1-1/2	7237-512	3.94	38.9	7547-012	6.71
13	1-1/2	7237-513	3.97	38.9	7547-013	6.71
14	1-1/2	7237-514	4.00	38.9	7547-014	6.71
15	1-1/2	7237-515	4.06	38.9	7547-015	6.85
16	1-1/2	7237-516	4.16	38.9	7547-016	7.02
17	1-1/2	7237-517	4.26	38.9	7547-017	7.26
18	1-1/2	7237-518	4.29	38.9	7547-018	7.26
19	1-1/2	7237-519	4.96	38.9	7547-019	7.79
20	-	-	-	42.1	7547-020	8.31
21	1-1/2	7237-521	5.50	42.1	7547-021	8.82
22	1-1/2	7237-522	6.14	42.1	7547-022	9.75
23	-	-	-	45.2	7547-023	10.35
24	1-3/4	7237-524	6.62	45.2	7547-024	11.59
25	-	-	-	44.5	7547-025	13.84
26	2	7237-527	8.70	50.8	7547-026	14.41
27	-	-	-	50.8	7547-027	14.12
29	-	-	-	50.8	7547-028	15.23

1/2" Drive - 6 pt. - Deep Length

WILLIAMS				ARMSTRONG		
SIZE (MM)	LENGTH	ORDER NO.	PRICE EACH	LENGTH	ORDER NO.	PRICE EACH
9	-	-	-	83.0	7547-209	\$11.06
10	3-1/4	7225-380	\$14.28	83.0	7547-210	10.83
11	3-1/4	7225-381	14.28	83.0	7547-211	10.83
12	3-1/4	7225-382	14.38	83.0	7547-212	11.14
13	3-1/4	7225-383	14.38	83.0	7547-213	10.91
14	3-1/4	7225-384	14.75	83.0	7547-214	10.91
15	3-1/4	7225-385	14.95	83.0	7547-215	11.14
16	3-1/4	7225-386	14.95	83.0	7547-216	11.96
17	3-1/4	7225-387	15.58	83.0	7547-217	11.96
18	3-1/4	7225-388	15.78	83.0	7547-218	11.96
19	3-1/4	7225-389	16.05	83.0	7547-219	11.96
20	3-1/4	7225-390	16.62	83.0	7547-220	13.04
21	3-1/4	7225-391	18.73	83.0	7547-221	14.25
22	3-1/2	7225-392	18.89	83.0	7547-222	14.54
23	3-1/2	7225-393	19.90	83.0	7547-223	15.20
24	3-1/2	7225-394	20.73	83.0	7547-224	16.20
25	3-1/2	7225-395	22.24	88.9	7547-225	18.59
26	3-1/2	7225-396	22.74	88.9	7547-226	18.24
27	3-1/2	7225-397	23.57	88.9	7547-227	18.52
28	-	-	-	88.9	7547-228	19.49
29	3-1/2	7225-399	24.41	88.9	7547-229	20.44
30	3-1/2	7225-400	24.41	88.9	7547-230	19.86
32	3-1/2	7225-402	29.76	88.9	7547-232	20.33
34	3-1/2	7225-404	34.11	88.9	7547-234	20.94
35	3-1/2	7225-405	36.45	88.9	7547-235	20.94
36	3-1/2	7225-406	37.62	88.9	7547-236	20.92

3/4" Drive - 6 pt. - Standard Length

WILLIAMS				ARMSTRONG		
SIZE (MM)	LENGTH	ORDER NO.	PRICE EACH	LENGTH	ORDER NO.	PRICE EACH
17	2	7290-459	\$20.90	-	-	-
19	2	7290-460	21.90	44.5	7548-019	\$15.20
20	2	7290-461	22.07	47.6	7548-020	15.20
21	-	-	-	47.6	7548-021	15.20
22	2	7290-462	23.91	47.6	7548-022	15.92
23	-	-	-	50.8	7548-023	16.44
24	2	7290-463	26.08	50.8	7548-024	17.13
25	-	-	-	50.8	7548-025	17.41
26	-	-	-	50.8	7548-026	17.77
27	2	7290-464	26.92	50.8	7548-027	18.29
30	2-3/32	7225-603	27.92	54.0	7548-030	19.35
31	2-1/8	7225-604	27.08	-	-	-
32	2-1/8	7225-605	29.76	54.0	7548-032	21.04
34	2-1/8	7225-607	32.27	-	-	-
35	2-1/4	7225-608	32.94	-	-	-
36	2-1/4	7225-609	33.10	57.2	7548-036	23.81
38	2-1/4	7225-611	34.11	-	-	-
41	2-5/8	7225-615	41.30	60.3	7548-041	30.41
46	2-5/8	7225-620	59.85	63.5	7548-046	40.51
50	-	-	-	68.3	7548-050	51.24

3/4" Drive - 6 pt. - Deep Length

ARMSTRONG			
SIZE (MM)	LENGTH	ORDER NO.	PRICE EACH
21	82.5	7548-221	\$22.46
22	88.9	7548-222	22.96
23	88.9	7548-223	22.53
24	88.9	7548-224	23.97
26	88.9	7548-226	24.06
27	88.9	7548-227	24.06
30	88.9	7548-230	28.29
32	88.9	7548-232	29.32
36	88.9	7548-236	33.68
41	88.9	7548-241	40.12

Combination Wrenches

12 Point



Satin Finish

- Satin chrome textured finish provides great feel and extra gripping power
- 12-pt. box end provides easy socket engagement and max versatility
- Recessed corners in box end for extra turning power



Satin Finish

- SUPERTORQUE® box opening design allows application of higher torque without rounding or deforming hex fastener points. No contact is made at the corners. Instead, wrenching forces are placed on the flat surfaces behind the points.
- Meets or exceeds aerospace specification AS 954 for 12 point fasteners (as defined by AS 870) to provide accurate torque/tension relationship for precision application.



Fully Polished

- Meets Fed. Std. GGG-W-636c ANSI Spec. B107.6
- 15 degree Offset
- Nickel-chrome finish provides lifetime corrosion resistance
- With AllenGrip® the wrench holds the fastener across a broader contact area and allows for greater torque loads without wrench slippage



Fully Polished

- Dyna-Drive™ Torque System dramatically improves faster driving performance

SIZE (INCH)	LENGTH (INCH)	ORDER NO.	PRICE EACH
1/4	5-1/8	7211-108	\$6.21
5/16	5-3/4	7211-110	6.21
3/8	6-1/2	7211-112	6.66
7/16	7-1/4	7211-114	6.98
1/2	8-1/8	7211-116	7.26
9/16	8-3/4	7211-118	8.22
5/8	9-1/2	7211-120	9.12
11/16	10-1/4	7211-122	9.95
3/4	11	7211-124	10.85
13/16	12	7211-126	13.54
7/8	12-3/8	7211-128	13.82
15/16	13-1/4	7211-130	15.39
1	14	7211-132	18.59
1-1/16	14-5/8	7211-134	21.66
1-1/8	16-1/4	7211-136	25.18
1-1/4	17	7211-140	29.70

SIZE (INCH)	LENGTH (INCH)	ORDER NO.	PRICE EACH
1/4	5-1/16	7290-055	\$15.41
5/16*	5-27/32	7290-056	15.41
11/32*	6-7/32	7290-057	15.65
3/8*	6-5/8	7290-058	16.38
7/16*	7-11/32	7290-059	17.05
1/2*	8-3/32	7290-060	18.06
9/16*	8-7/8	7290-061	19.90
5/8*	9-5/8	7290-062	22.40
11/16*	10-3/8	7290-063	24.08
3/4*	11-1/8	7290-064	26.92
13/16*	11-29/32	7290-065	28.76
7/8*	12-5/8	7290-066	34.11
15/16*	13-15/32	7290-067	37.62
1*	14-3/16	7290-068	45.14
1-1/16*	14-7/8	7290-069	53.50
1-1/8*	15-21/32	7290-071	62.70
1-3/16*	16-17/32	7290-070	67.21
1-1/4*	17-1/4	7290-072	73.56
1-5/16*	18	7290-073	81.92
1-3/8	18-25/32	7290-074	89.28
1-7/16	19-17/32	7290-075	99.64
1-1/2	20-7/32	7290-076	115.03
1-9/16	21	7210-039	128.07
1-5/8*	21-25/32	7210-040	129.40
1-11/16	22-17/32	7210-041	143.11
1-3/4	23-1/8	7210-042	156.49
1-13/16	23-11/16	7210-043	163.84
1-7/8	24-11/32	7210-044	189.26
2	25-1/4	7210-045	211.33
2-1/16	25-7/8	7210-046	236.74
2-1/8	26-1/2	7210-047	268.84
2-3/16	27	7210-048	284.22
2-1/4	27-21/32	7210-049	289.57
2-3/8	28-11/16	7210-050	364.47
2-1/2	29-15/16	7210-051	381.19
2-5/8	31-13/16	7210-052	578.47
2-3/4	31-13/16	7210-053	608.56
2-7/8	31-13/16	7210-054	635.31
2-15/16	31-13/16	7210-055	591.84
3	31-13/16	7210-056	595.19
3-1/8	31-13/16	7210-057	611.91
3-3/8	31-13/16	7210-058	605.22
3-1/2	31-13/16	7210-059	718.91

* SUPERTORQUE®

SIZE (INCH)	LENGTH (INCH)	ORDER NO.	PRICE EACH
1/4	5.000	7525-208	\$12.74
5/16	5.750	7525-210	13.02
11/32	5.750	7525-211	13.04
3/8	6.500	7525-212	14.16
7/16	7.250	7525-214	14.94
1/2	6.540	7525-216	15.54
9/16	8.750	7525-218	17.63
5/8	9.500	7525-220	19.52
11/16	10.250	7525-222	21.29
3/4	11.000	7525-224	23.23
13/16	11.750	7525-226	25.20
7/8	12.500	7525-228	29.57
15/16	13.250	7525-230	32.29
1	14.000	7525-232	39.02
1-1/16	14.750	7525-234	45.36
1-1/8	15.500	7525-236	53.99
1-3/16	16.310	7525-238	57.15
1-1/4	17.060	7525-240	63.57
1-5/16*	20.125	7525-242	65.11
1-3/8*	20.125	7525-244	69.40
1-7/16*	21.125	7525-246	79.61
1-1/2*	21.125	7525-248	93.54
1-5/8*	24.125	7525-252	101.46
1-11/16*	24.125	7525-254	104.06
1-3/4*	25.625	7525-256	111.68
1-13/16*	25.625	7525-258	117.91
1-7/8*	27.125	7525-260	140.92
2*	27.125	7525-264	148.17
2-1/16*	27.125	7525-266	173.42
2-1/8*	28.000	7525-268	195.48
2-3/16*	28.000	7525-270	207.17
2-1/4*	28.000	7525-272	217.36
2-3/8*	30.000	7525-276	266.79
2-1/2*	30.000	7525-280	279.55
2-9/16*	32.000	7525-282	395.59
2-5/8*	32.000	7525-284	391.56
2-3/4*	32.000	7525-288	451.21

* Satin Finish

SIZE (INCH)	LENGTH (INCH)	ORDER NO.	PRICE EACH
1/4	5.000	7704-300	\$3.92
5/16	5.750	7704-301	4.62
3/8	6.500	7704-302	4.90
7/16	7.250	7704-303	6.43
1/2	6.540	7704-304	6.95
9/16	8.750	7704-305	7.83
5/8	9.500	7704-306	8.80
11/16	10.250	7704-307	9.75
3/4	11.000	7704-308	11.06
13/16	11.750	7704-309	12.23
7/8	12.500	7704-310	14.30
15/16	13.250	7704-311	16.98
1	14.000	7704-312	19.03
1-1/16	14.750	7704-313	23.08
1-1/8	15.500	7704-314	25.83
1-1/4	17.060	7704-315	30.40
1-5/16	18.500	7704-316	45.70
1-3/8	18.500	7704-317	46.86
1-7/16	20.100	7704-318	53.82
1-1/2	20.100	7704-319	54.55



Double Offset Box Wrenches

- Hardened and Tempered
- Drop Forged Chrome Vanadium Steel
- Chrome Plated • Long Pattern
- 45° Angle • Shallow Offset
- Cam-Lock™ Design

SIZE (INCH)	ORDER NO.	PRICE EACH
3/8 x 7/16	7704-530	\$2.85
5/8 x 3/4	7704-532	4.28

Williams Reversible Ratcheting Combination Wrenches



- High-polished chrome finish cleans easily
- Ratchet level is easily accessible for quick direction changes
- Recessed corners in ends for extra turning power

SIZE	ORDER NO.	PRICE EACH
1/4	7291-883	\$20.90
5/16	7290-301	21.90
3/8	7290-302	23.41
7/16	7290-303	22.90
1/2	7290-304	26.25
9/16	7290-305	27.92
5/8	7290-306	28.76
11/16	7290-307	29.76
3/4	7290-308	32.27
13/16	7291-884	38.79
7/8	7291-885	42.80
1 5/16	7291-886	47.82
1	7291-887	50.32

Combination Wrenches- Metric

3

12 Point



Satin Finish

- SUPERTORQUE® box opening design allows application of higher torque without rounding or deforming hex fastener points. No contact is made at the corners. Instead, wrenching forces are placed on the flat surfaces behind the points.
- Meets or exceeds aerospace specification AS 954 for 12 point fasteners (as defined by AS 870) to provide accurate torque/tension relationship for precision application.



Satin Finish

- SUPERTORQUE® box opening design allows application of higher torque without rounding or deforming hex fastener points. No contact is made at the corners. Instead, wrenching forces are placed on the flat surfaces behind the points.
- Meets or exceeds aerospace specification AS 954 for 12 point fasteners (as defined by AS 870) to provide accurate torque/tension relationship for precision application.



Made in USA



Full Polish

- Meets Fed. Std. GGG-W-636c ANSI Spec. B107.6
- 15 degree Offset
- Nickel-chrome finish provides life-time corrosion resistance
- With AllenGrip® the wrench holds the fastener across a broader contact area and allows for greater torque loads without wrench slippage



Satin Finish

- Hardened and tempered
- Chrome Vanadium Steel
- Long Pattern
- Quad Grip® Flat Panel
- Nickel-satin finish
- Cam-Lock™ design

SIZE (MM)	LENGTH (INCH)	ORDER NO.	PRICE EACH
6	5-1/8	7211-506	\$ 6.14
7	5-3/8	7211-507	6.30
8	5-3/4	7211-508	6.50
9	6-1/2	7211-509	6.98
10	6-3/4	7211-510	7.14
11	7-1/4	7211-511	7.30
12	7-3/4	7211-512	7.62
13	8-1/8	7211-513	7.97
14	8-3/4	7211-514	8.38
15	9-1/8	7211-515	9.09
16	9-1/2	7211-516	9.54
17	10-1/4	7211-517	10.43
18	10-1/2	7211-518	10.85
19	11	7211-519	11.39
20	11-3/8	7211-520	12.32
21	12	7211-521	14.46
22	12-1/2	7211-522	15.33
23	12-1/2	7211-523	16.16
24	13-1/4	7211-524	17.82
25	14	7211-525	19.49
26	14	7211-526	20.42
27	14-5/8	7211-527	23.84
29	16-1/4	7211-529	25.28
30	16-1/4	7211-530	28.83
32	17	7211-532	31.10

SIZE (MM)	LENGTH (INCH)	ORDER NO.	PRICE EACH
6	4-27/32	7290-167	\$ 19.39
7	5-5/16	7290-168	19.56
8	5-25/32	7290-169	18.89
9	6-9/32	7290-170	18.39
10	6-3/4	7290-171	18.22
11	7-1/4	7290-172	18.56
12	7-11/16	7290-173	19.39
13	8-1/32	7290-174	20.56
14	8-5/8	7290-175	21.40
15	9-3/32	7290-176	23.07
16	9-1/2	7290-177	24.41
17	10-1/16	7290-178	26.92
18	10-17/32	7290-179	27.92
19	11-1/32	7290-180	29.26
20	11-1/2	7290-181	31.43
21	11-25/32	7290-182	36.95
22	12-1/2	7290-183	39.29
23	12-7/8	7290-184	41.30
24	13-9/32	7290-185	45.48
25	14-1/32	7290-186	49.99
26	14-5/16	7290-187	52.00
27	14-25/32	7290-188	61.02
29	15-17/32	7290-189	66.21
30	16-9/32	7290-190	68.55
32	17-1/32	7290-191	79.58
34	17-25/32	7290-192	82.59
36	19-9/32s	7290-193	103.99

SIZE (MM)	LENGTH (MM)	ORDER NO.	PRICE EACH
6	127.0	7552-206	\$ 12.88
7	135.0	7552-207	13.03
8	127.0	7552-208	13.66
9	155.7	7552-209	14.96
10	170.9	7552-210	15.32
11	184.2	7552-211	15.67
12	195.1	7552-212	16.36
13	207.0	7552-213	17.13
14	218.9	7552-214	17.66
15	230.9	7552-215	19.48
16	241.3	7552-216	20.56
17	256.0	7552-217	22.41
18	267.0	7552-218	23.35
19	279.4	7552-219	24.50
20	292.1	7552-220	26.57
21	304.0	7552-221	29.53
22	317.5	7552-222	30.76
23	327.9	7552-223	33.80
24	338.1	7552-224	37.12
25	355.6	7552-225	40.94
26	374.7	7552-226	42.84
27	374.7	7552-227	50.06
28	393.7	7552-228	55.56
29	393.7	7552-229	56.33
30	414.3	7552-230	58.40
32	433.3	7552-232	65.36
36*	511.2	7552-236	81.80
41*	612.8	7552-241	99.96
46*	650.9	7552-246	146.19
50*	689.0	7552-250	153.68

SIZE (MM)	ORDER NO.	PRICE EACH
7	7704-327	\$ 3.95
8	7704-328	4.97
9	7704-329	5.85
10	7704-330	5.95
11	7704-331	6.35
12	7704-332	6.64
13	7704-333	6.95
14	7704-334	7.83
15	7704-335	8.54
16	7704-336	9.07
17	7704-337	9.75
18	7704-338	10.32
19	7704-339	11.06
20	7704-340	12.37
21	7704-341	12.65
22	7704-342	14.66
23	7704-343	15.16
24	7704-344	16.84



Reversible Ratcheting Combination Wrenches (metric)



SIZE (MM)	ORDER NO.	PRICE EACH
8	7290-310	\$22.74
9	7290-311	22.74
10	7290-312	22.40
11	7290-313	22.90
12	7290-314	24.58
13	7290-315	26.25
14	7290-316	27.92
15	7290-317	27.08
16	7290-318	30.09
17	7290-319	31.10
18	7290-320	32.43
19	7290-321	32.27
21	7291-890	40.46
22	7291-891	42.80
24	7291-892	47.82
25	7291-893	47.98



Geared Combination Wrenches



- All Steel Construction
- Long Pattern
- 45° Angle
- Shallow Offset
- Maximum Torque Design



SIZE (MM)	ORDER NO.	PRICE EACH
10	7552-810	\$ 20.99
11	7552-811	21.45
12	7552-812	22.38
13	7552-813	23.48
14	7552-814	24.72
15	7552-815	26.70
16	7552-816	28.14
17	7552-817	30.73
18	7552-818	32.04
19	7552-819	33.49

Combination Wrench Sets

Fractional

		•Satin Finish - 12 pt. •Vinyl Pouch Included WILLIAMS		•Satin Finish - 12 pt. •Roll Included WILLIAMS Made in USA		•Full Polish - 12 pt. •Roll Included ARMSTRONG Made in USA	
SET PIECES	SIZES/ DESCRIPTION	ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH
7	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4"	-	-	7290-194	\$160.17	7525-631	\$119.99
7	sizes above (midget)	-	-	7211-030	45.14	7525-609	118.58
9	1/4-3/4"	7211-002	\$ 64.13	-	-	-	-
15	5/16-1-1/4"	-	-	7290-196	531.66	-	-
16	1/4-1-1/4"	7211-006	188.06	-	-	-	-
22	1/4-1-5/8" (satin finish)	-	-	-	-	7525-682†	841.43

† Without vinyl roll



Metric

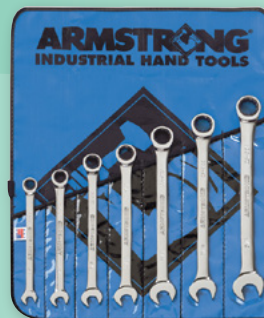
		•Satin Finish - 12 pt. •Roll Included WILLIAMS		•Full Polish - 12 pt. •Roll Included WILLIAMS Made in USA		•Quad Grip - 12 pt. •Tray Included ARMSTRONG Made in USA	
SET PIECES	SIZES/ DESCRIPTION	ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH
5	12-15mm, 17mm	7290-209†	\$62.60	-	-	-	-
7	10-15mm	-	-	-	-	7704-803	\$14.41
9	7-15mm	-	-	7552-630	\$137.00	-	-
10	10-19mm	-	-	7552-631	183.17	-	-
15	7-10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 29, 30, 32mm	-	-	7552-632	475.16	-	-

† Limited Quantities



Geared (Ratcheting)- Fractional and Metric

		•Satin Finish - 12 pt. •Roll Included WILLIAMS		•Full Polish - 12 pt. •Roll Included ARMSTRONG Made in USA	
SET PIECES	SIZES/ DESCRIPTION	ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH
7	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4"	-	-	7525-661	\$183.05
8	5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4"	7290-309	\$193.94	-	-
10	1/4, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4"	-	-	7525-667	238.07
10	10-19mm	-	-	7552-667	273.77
12	8-19mm	7290-322	280.88	-	-



Wrenches

Adjustable Wrenches



Black Finish

- Fed Spec.: GGG-W-631B-5; ANSI B107 8M
- Drop forged, heat-treated industrial finish with satin finish handles for firm, safe grip.



Chrome Finish

- Fed Spec.: GGG-W-631B; ANSI B107 8M
- Chrome or Black Oxide Finish

WILLIAMS  Made in USA						
Pittsburgh  ALLEGHENY						
SIZE	CHROME ORDER NO.	PRICE EACH	BLACK ORDER NO.	PRICE EACH	CHROME ORDER NO.	PRICE EACH
4"	—	—	7222-749	\$20.40	—	—
6"	7222-766	\$21.73	7222-769	21.73	7701-006	\$16.53
8"	—	—	7222-789	22.07	7701-008	18.46
10"	7222-710	27.75	7222-810	25.58	7701-010	23.70
12"	7222-712	40.13	7222-812	38.45	7701-012	33.80
15"	7222-715	67.88	7222-815	66.71	7701-015	60.81
18"	—	—	—	—	7701-018	103.35
24"	—	—	7222-824	188.59	—	—



Spanner Wrenches

Adjustable Face



SPAN DIA. (INCHES)	OAL LENGTH	PIN DIA.	ORDER NO.	PRICE EACH
2	6 1/4	3/16	7210-421	\$39.79
3	8 1/8	1/4	7210-422	58.18
4	10 3/8	5/16	7210-423	83.26

Adjustable Hook



SPAN DIA. (INCHES)	HOOK DEPTH	ORDER NO.	PRICE EACH
3/4-2	1/8	7210-416	\$44.47
1 1/4-3	5/32	7210-417	50.49
2-4 3/4	3/16	7210-418	70.22
4 1/2-6 1/4	1/4	7210-419	74.23
6 1/8-8 3/4	5/16	7210-420	89.95

Adjustable Pin



SPAN DIA. (INCHES)	PIN LENGTH	PIN DIA.	ORDER NO.	PRICE EACH
3/4-2	6 3/8	1/8	7210-410	\$46.81
3/4-2	6 3/8	3/16	7210-411	46.81
1 1/4-3	8 1/8	3/16	7210-412	52.83
1 1/4-3	8 1/8	1/4	7210-413	52.83
2-4 3/4	11 3/8	1/4	7210-414	72.56
4 1/2-6 1/4	12 1/8	3/8	7210-415	78.24



Striking Face Wrenches

Offset Pattern - Black Finish - 12 Point



- Fed Spec.: GGG-W-636E.
- Straight handle available upon request.
- Striking face wrenches are designed to be struck by a hammer on the anvil area in order to loosen frozen fasteners or to set and tighten fasteners. Anvils are proportional to opening sizes. Special heat treating provides maximum durability for long life.
- Offset handle designed close to head to provide clearance in confined areas.

SIZE (INCHES)	ORDER NO.	PRICE EACH	SIZE (INCHES)	ORDER NO.	PRICE EACH
1-1/16	7210-430	\$71.56	2	7210-446	\$144.45
1-1/8	7210-431	73.23	2-1/8	7210-447	155.48
1-3/16	7210-432	75.90	2-3/16	7210-449	216.01
1-1/4	7210-433	77.91	2-1/4	7210-448	168.53
1-5/16	7210-434	79.58	2-5/16	7210-450	175.21
1-3/8	7210-435	98.31	2-3/8	7210-451	180.56
1-7/16	7210-436	95.30	2-1/2	7210-452	220.69
1-1/2	7210-438	95.63	2-9/16	7210-453	225.37
1-5/8	7210-439	112.68	2-5/8	7210-454	226.71
1-11/16	7210-440	117.37	2-3/4	7210-455	308.29
1-3/4	7210-441	129.07	2-7/8	7210-456	296.26
1-13/16	7210-442	130.74	2-15/16	7210-457	367.81
1-7/8	7210-443	137.43	3	7210-458	288.23
1-15/16	7210-444	149.47	3-1/8	7210-459	391.22



Adjustable Construction Wrench



- One wrench covers a wide range of fastener sizes up to 1-13/16".
- Tapered (spud) handle designed to locate and align bolt and rivet holes.

SIZE (INCHES)	LENGTH	CAPACITY	ORDER NO.	PRICE EACH
1-1/2	15	1-13/16	7213-625	\$46.81



Original Chain Pipe Tong



- Fed Spec.: GGG-W-00651D-1
- The "original" Williams Chain Pipe Tong is still the favorite tong for general work. Chain swings from the center and can be used on either side of the jaws, which reduces tooth wear. Flat link chains are heat-treated for greater strength and reliability.
- Fully adjustable to fit any shape pipe.
- Heat-treated chains for greater strength.

PIPE MIN.	DIA. MAX.	TONG LENGTH	CHAIN LENGTH	LOADING CAP (LBS.)	LBS.	KGS.	ORDER NO.	PRICE EACH
1/4	2-1/2	27	18-1/2	13,800	9.48	4.30	7230-602†	\$255.19
1	6	46-1/4	33	20,000	23.98	10.82	7230-608†	406.12
1-1/2	8	50-1/2	40-3/4	22,000	31.00	14.10	7230-611†	436.46

† Limited Quantities

Pliers & Pipe Wrenches

IRWIN GrooveLock Pliers



- Press and slide button quickly adjusts lower jaw
- All purpose jaw grips on round, flat, square and hex shapes
- More groove positions provide the optimum hand location for a better grip on the work piece
- ProTouch™ Grips provide extra comfort and reduces hand fatigue

LENGTH	ORDER NO.	PRICE EACH
8"	3255-385	\$24.21
10"	3255-386	29.09
12"	3255-387	34.92

WILLIAMS Made in USA

Utility Groove Joint Pliers



- Double dipped plastic handle grips are comfortable/durable
- Jaws are phosphate finished for rust protection
- Parallel jaw grip in all positions to maximum opening

LENGTH	ORDER NO.	PRICE EACH
5	7223-104	\$10.72
10	7223-105	12.86
12	7223-106	16.10
16	7223-107	26.40

ARMSTRONG Made in USA

Tongue & Groove Pliers



- Precision milled undercut rib joint
- Angled teeth provide superior gripping power

LENGTH	ORDER NO.	PRICE EACH
5	7567-717	\$16.94
7	7567-777	16.04
10	7567-779	18.82
12	7567-781	22.05
16	7567-783	33.59

ARMSTRONG Made in USA

Pipewrench Tongue & Groove Pliers



- Pipe wrench design with 90° offset head provides up to 20% more leverage

LENGTH	ORDER NO.	PRICE
10.000	7567-789	\$22.33
12.750	7567-791	30.92

Pipe Wrenches 3



- Handles made from pearlitic malleable alloy or aluminum
- Hook jaw is drop forged, with replaceable insert jaw



- Heavy duty construction for strength & durability
- Scale on wrench indicates pipe diameter
- Aluminum pipe wrenches are approx. 40% lighter than cast iron

USA-MADE ARMSTRONG				CAST IRON Pittsburg ALLEGANY		ALUMINUM Pittsburg ALLEGANY		ALUMINUM WILLIAMS		CAST IRON WILLIAMS	
SIZE (INCH)	CAPACITY (INCH)	ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH
6	1/8-3/4	7573-006	\$21.23	-	-	-	-	-	-	7213-516	\$8.42
8	1/8-1	7573-008	23.72	7701-308	\$12.18	-	-	7213-500	\$17.50	7213-518	10.85
10	1 1/8-1 1/2	7573-010	30.45	7701-310	15.34	-	-	7213-502	24.38	7213-520	18.91
12	1/8-2	7573-012	38.01	-	-	-	-	7213-504	31.97	7213-522	21.34
14	1/4-2	7573-014	44.35	7701-314	22.50	7701-614	\$32.28	-	-	7213-524	24.35
18	1/4-2 1/2	7573-018	63.20	7701-318	35.64	7701-618	48.67	-	-	7213-526	31.14
24	1/4-3	7573-024	94.16	7701-324	54.88	7701-624	73.27	7213-510	76.64	7213-528	49.28
36	1/4-4 1/2	7573-036	212.49	7701-336	99.13	7701-636	146.00	-	-	-	-

Pliers

3

WILLIAMS

Combination Slip Joint Pliers



- Jaws polished with rust-proof coating
- Gripping surfaces will grip round & flat surfaces
- 2-position joint for a wide range of grips
- Shear type wire-cutter extends tool use

LENGTH	ORDER NO.	PRICE EACH
6-1/4	7223-101	\$ 6.91
8	7223-102	8.70
9-3/4	7223-103	11.20

ARMSTRONG



Slip Joint Pliers



- Angled teeth provide superior gripping power over standard teeth.
- Specially designed fastener ensures permanent assembly and smooth operation.

LENGTH	ORDER NO.	PRICE
6.500	7567-667	\$13.42
8.000	7567-669	16.39
10.000	7567-671	20.24

Pittsburg
ALLEGHANY

Slip Joint Pliers



- Hardened and Tempered
- Drop Forged Steel
- Fully Polished
- Matte Finish
- Precision Jaws
- Cushion Grip Handles

LENGTH	ORDER NO.	PRICE EACH
6-1/2"	7710-006	\$7.87
8"	7710-008	9.19
10"	7710-010	12.04

WILLIAMS



Side Cutters



- Fed Spec.: Linesman's GGG-F-471E
- Designed for wiring, electrical equipment installation and maintenance for utility linemen
- Polished faces • Cushion grip handles
- Induction hardened cutting edges
- Diamond serrated jaws

LENGTH	DESCRIPTION	ORDER NO.	PRICE EACH
6 1/2	Electricians'	7227-023†	\$14.99
7	Electricians'	7227-024	47.31
8 1/2	Electricians'	7227-025	50.99
8*	Linesmans'	7223-403	18.91
9 1/2	New England	7227-030	75.90

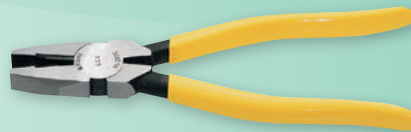
* Williams Global

† Limited Quantities

WILLIAMS



Side Cutting Slip-Joint Pliers



- Fed Spec.: GGG-P-471E
- Polished Head
- Serrated jaws

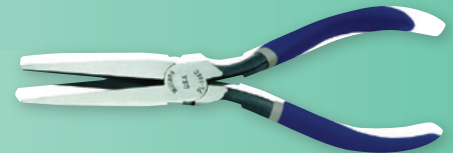
LENGTH	ORDER NO.	PRICE EACH
7-1/2	7227-032†	\$19.91

† Limited Quantities

WILLIAMS



Duckbill Pliers



- Fed Spec.: Regular: GGG-P-471E
- Fed Spec.: High Leverage: GGG-P-4710
- Provided with polished faces
- Flat wide nose provides a better grip than the regular needle nose models
- Cushion grip handles

LENGTH	DESCRIPTION	ORDER NO.	PRICE EACH
6 1/2	regular nose	7227-020	\$36.95
8	high leverage, short nose	7227-021	40.63

ARMSTRONG



Lineman's Pliers



- Precision machined cutting edges meet at the hinge, providing improved cutting performance.
- Induction hardened cutting edge ensures maximum durability and long life.
- Diamond serrated jaws provides a firm grip.

LENGTH	ORDER NO.	PRICE
6.438	7567-063	\$29.66
7.375	7567-065	31.64
8.375	7567-067	33.34
9.500	7567-069	34.25

Pittsburg
ALLEGHANY

Lineman's Pliers



- Hardened and Tempered
- Drop Forged Steel
- Fully Polished
- Matte Finish
- Precision Jaws
- Cushion Grip Handles

LENGTH	ORDER NO.	PRICE
7"	7710-307	\$10.13
8"	7710-308	11.02

Pliers

3



Heavy-Duty Diagonal Cutting Pliers



- Fed Spec.: Regular: GGG-P-468A
- Supplied with polished faces
- Induction hardened cutting edges
- Handles are designed to cut wire with ease
- Regular flush cutters are used for cutting hard wire

LENGTH	DESCRIPTION	ORDER NO.	PRICE EACH
6-1/4	Double Dipped Handle	7223-406	\$15.07
7	Double Dipped Handle	7223-407	16.32



Diagonal Pliers



- Precision machined cutting edges meet at the tip, providing improved cutting performance.
- Induction hardened cutting edge ensures maximum durability and long life.

LENGTH	ORDER NO.	PRICE
4.500	7567-184	\$21.12
4.250	7567-155	20.93
5.125	7567-159	21.22
6.375	7567-161	20.93
7.438	7567-163	23.14



Diagonal Cutting Pliers

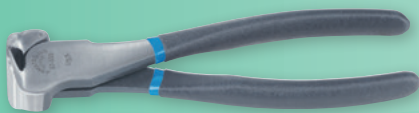


- Hardened and Tempered
- Drop Forged Steel
- Fully Polished Precision Jaws
- Cushion Grip Handles
- Matte Finish

LENGTH	DESCRIPTION	ORDER NO.	PRICE EACH
6"	Diagonal Cutting Pliers	7710-406	\$8.28
7"	Heavy Duty Cutting Pliers	7710-407	9.44
7-1/2	Diagonal Cutting Pliers	7710-408	12.25



End Cutting Pliers



- Precision machined cutting edges meet at the tip, providing improved cutting performance.
- Induction hardened cutting edge ensures maximum durability and long life.

LENGTH	ORDER NO.	PRICE
7.375	7567-535	\$34.02



End Nipper



- Hardened and Tempered
- Drop Forged Steel
- Fully Polished Precision Jaws
- Matte Finish

LENGTH	DESCRIPTION	ORDER NO.	PRICE EACH
6"	End Nipper	7710-507	\$7.88



Long Reach High Leverage Diagonal Cutting Pliers



- Extra long handle provides high leverage cutting capabilities with less effort
- Extra wide handle provides more comfort and reduces hand fatigue
- 30° angled head provides access to hard to reach areas

LENGTH	ORDER NO.	PRICE
11.125	7567-101	\$49.11



Diagonal Pliers, Angled Head, Heavy Duty



- Extra long handle provides high leverage cutting capabilities with less effort

LENGTH	ORDER NO.	PRICE
8.000	7567-123	\$26.80



Long Reach Diagonal Pliers



- Gripping tips provide cutting and gripping capabilities in one plier

LENGTH	ORDER NO.	PRICE
11.125	7567-103	\$48.95



Diagonal Pliers with Spring



- Precision machined cutting edges meet at the tip, providing improved cutting performance.

LENGTH	ORDER NO.	PRICE
4.468	7567-183	\$22.23
5.125	7567-173	23.10
6.313	7567-175	35.03



Needle Nose Pliers



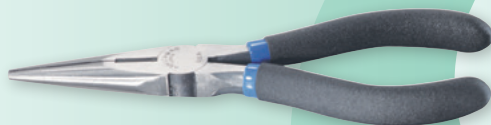
- Polished heads reduce rust and corrosion, extending the tool life
- Serrated jaws provide extra gripping power

LENGTH	DESCRIPTION	ORDER NO.	PRICE EACH
4-1/2	Short nose w/spring	7227-016	37.28
7	Long nose	7227-017	36.11
5-1/2	Long curved nose	7227-019†	16.14

†Limited Quantities



Chain Nose Pliers with Wire Cutter

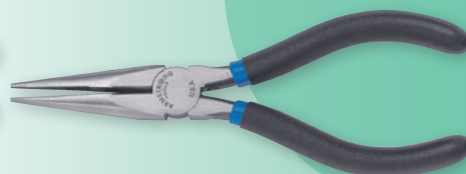


- Precision machined cutting edges meet at the tip, providing improved cutting performance.
- Induction hardened cutting edge ensures maximum durability and long life.

LENGTH	ORDER NO.	PRICE
5.625	7567-303	\$23.67
6.375	7567-305	22.81
7.750	7567-307	27.55



Chain Nose Pliers

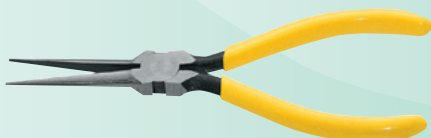


- Hardened and Tempered
- Drop Forged Steel
- Fully Polished Precision Jaws
- Cushion Grip Handles
- Matte Finish

LENGTH	ORDER NO.	PRICE EACH
4.750	7567-253	\$19.35
5.313	7567-255	20.41
6.313	7567-257	21.63
7.875	7567-259	23.01



Long Nose Pliers



- Hardened and Tempered
- Drop Forged Steel
- Fully Polished Precision Jaws
- Matte Finish

LENGTH	DESCRIPTION	ORDER NO.	PRICE EACH
6"	Long Nose Pliers	7710-206	\$7.95
8"	Long Nose Pliers	7710-208	9.26



Chain Nose Pliers with Wire Stripper



- Precision machined cutting edges meet at the tip, providing improved cutting performance.
- Induction hardened cutting edge ensures maximum durability and long life.

LENGTH	ORDER NO.	PRICE
7.813	7567-331	\$38.58



Long Reach Chain Nose Pliers



Long Reach Bent Chain Nose Pliers

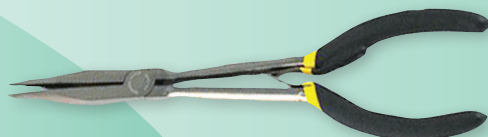


- Extra long handle provides high leverage cutting capabilities with less effort
- Bent nose design allows access around obstructions

LENGTH	DESCRIPTION	ORDER NO.	PRICE EACH
11.562	Long Chain Nose	7567-240	\$41.47
11.375	Bent Long Chain Nose	7567-241	41.50



Long Neck Pliers



- Hardened and Tempered
- Drop Forged Steel
- Fully Polished
- Matte Finish Cushion Grips
- Leaf Spring Handles

LENGTH	DESCRIPTION	ORDER NO.	PRICE EACH
11"	Pliers, straight	7710-540	\$15.30
11"	Pliers, 45°	7710-542	15.30



Chain Nose Pliers - Extra Long Reach



- Polished heads reduce rust and corrosion, extending the tool life
- Extra long handles provide access into confined areas, and greater holding power at the tip
- Bent nose provides access to obstructed areas

LENGTH	DESCRIPTION	ORDER NO.	PRICE EACH
11	Straight Jaw	7292-227	\$63.20
11	45° Bent Nose	7292-228	63.20

Miniature Pliers



Retaining Ring Pliers - Internal



- Shape C, straight tips
- Die forged cylindrical precision formed
- Chrome-vanadium special tool steel
- For inserting/removing internal retaining rings

RANGE	RING SIZE	ORDER NO.	PRICE EACH
5.5"	5/16-1/2	7832-681	\$28.93
5.5"	1/2-1	7832-682	29.46
7"	3/4-2-3/8	7832-683	30.64
8.9"	1-1/2-4	7832-684	38.51

8



4 Pc. External Ring Pliers Set



- Shape C, straight tips
- Die forged cylindrical precision formed
- Chrome-vanadium special tool steel
- For inserting/removing internal retaining rings

Order No. 7832-628 Price Each \$174.12 8



Retaining Ring Pliers - External



- Shape A, straight tips, CV special tool steel
- Die forged, cylindrical precision formed
- For inserting/removing external retaining rings
- Soft vinyl grips

RANGE	RING SIZE	ORDER NO.	PRICE EACH
5.5"	1/8-3/8	7832-689	\$32.07
5.5"	3/8-1	7832-690	31.59
7"	3/4-2-3/8	7832-691	33.31
8.9"	1-1/2-4	7832-692	38.51

8



4 Pc. Internal Ring Pliers Set



- Shape C, straight tips
- Die forged cylindrical precision formed
- Chrome-vanadium special tool steel
- For inserting/removing internal retaining rings

Order No. 7832-626 Price Each \$162.84 8



- Hardened and Tempered, Drop Forged Steel
- Fully Polished Precision Jaws, Matte Finish, Cushion Grip Handles
- Handles do not provide protection against electric shock

3



ESD-Safe 8

- Cutters drop-forged for an ideal material structure.
- Precise aligned cutting edges are additionally induction hardened at a hardness of approx. 64°HRC.
- Two component non-slip soft grip handle
- ESD Safe Dissipative. ESD standard IEC 61340-5-1

4 1/2" End Nipper



Order No. 7710-645
Price Each: \$3.33

4 1/2" Diagonal Cut



Order No. 7710-655
Price Each: \$3.33

4-1/2" Precision Cutters, Small Tapered (Chain Nose) Bent 45°, Head, Flush



Order No. 7832-705
Price Each: \$75.45

4-3/4" Snipe Nose Smooth Jaws



Order No. 7832-744
Price Each: \$64.87

5" Needle Nose



Order No. 7710-625
Price Each: \$3.33

4-3/4" Short Flat Nose Pliers, Smooth Jaws



Order No. 7832-752
Price Each: \$62.54

4-3/4" Short Round Nose Plier, Smooth Jaws



Order No. 7832-750
Price Each: \$62.54

5" Flat Nose



Order No. 7710-635
Price Each: \$3.33

5" Long Nose



Order No. 7710-665
Price Each: \$3.33

4-3/4" Short Snipe Nose (Chain Nose) Straight, Serrated Jaws



Order No. 7832-742
Price Each: \$63.14

4-1/2" Wide Oval Head, Bevel

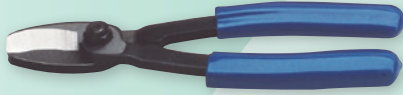


Order No. 7832-716
Price Each: \$69.39

Cutting Pliers



Cable Cutters



- For use with copper or aluminum cable up to 3/0 gauge
- Jamb nut on joint helps maintain even pressure on inside surface of blades
- Ground blades cut easily and cleanly

[3]

LENGTH	ORDER NO.	PRICE
7.500	7567-850	\$31.73



22.5" Cable Cutter For Ferrous Materials



- Lightweight handles provide ease of control while offering solid durability. • Rubber grips offer control and comfort during working application.
- Cutting notch below top cutting blades provided for cuts on ferrous material.

Order No. 7302-375 Price Each...\$ 160.00 [3]



Insulated Ratcheting Cable Cutters



- Insulation According to ENIEC 50900, DIN ISO 8976, ASTM F-1505 & CSA Specification. Up To 1000 Volt. Individually Tested.
- High leverage ratchet cable cutter with shear type blades cuts stranded and flexible copper and aluminum cable. Not for use on steel.
- Features built in safety release in all cutting positions. locking mechanism for safe transport and high-visibility comfort grip handles. [8]

LENGTH	DIAMETER	ORDER NO.	PRICE
10"	1.25"	7811-960	\$602.37
11"	2.0"	7811-975	801.78



- Hardened and Tempered
- Cuts bolts, wire, and cable
- Drop Forged chrome molybdenum blades [3]

LENGTH	DESCRIPTION	ORDER NO.	PRICE EACH
8"	center cut	7739-008	\$9.13
14"	center cut	7739-014	20.60
18"	center cut	7739-018	26.05
24"	center cut	7739-024	35.81
30"	center cut	7739-028	57.74
36"	center cut	7739-036	57.62

IRWIN Aviation Snips



- Cold forged blades are 44% stronger, requires 25% less cutting force
- 10% reduced hand span to decrease fatigue
- One handed release for ease of use

[2]

TYPE	ORDER NO.	PRICE EACH
straight	3255-392	\$24.11
left	3255-390	23.95
right	3255-391	23.95
left - offset	3255-397	26.82
right - offset	3255-398	26.82

Pittsburg Aviation Tin Snips



- Precision machined
- Heat Treated Chrome Alloy Compound Blades
- Color Coded Vinyl Handle Grips [3]

LENGTH	CUT	ORDER NO.	PRICE
10"	right	7739-101	\$5.50
10"	left	7739-102	5.50
10"	straight	7739-103	5.50

Pittsburg Straight Tin Snips



- Alloy Steel, Drop Forged, Cushion Handle Grips [3]

LENGTH	ORDER NO.	PRICE
8"	7739-108	\$5.43
10"	7739-110	6.75
12"	7739-112	8.63



PVC Cutter



- For cutting PVC, PE, ABS pipe.
- Professional quality, all-metal construction for greater durability.
- Ratchet-action for easy cutting. • Exclusive angle cutting feature.
- High carbon steel blade provides longer sharpness and clean cuts.
- Handle lock for safety. • Ergonomically designed handle for comfort.

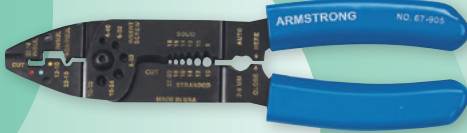
MFG. NO.	CAPACITY	LENGTH	ORDER NO.	PRICE EACH
119	1/8" to 1-5/8"	8-1/4"	6931-173	\$30.54
119BG	Replacement Blade		6931-175	17.45

[8]

Wire Strippers, Cutters & Crimpers

ARMSTRONG

Electrician's Stripper/Cutter Crimper Pliers



- Strips Wire Sizes: 10, 12, 14, 16, 18, 20, 22
 - Crimps Wire Sizes: Auto 7&8 mm, 22-14, 12-10
 - Cuts Bolt Sizes: 4-40, 6-32, 8-32, 10-32, 10-24
- Order No. 7567-905 Price Each: \$26.43 3

ARMSTRONG

Wire Stripper with Spring



- Strips Wire Sizes: 10, 12, 14, 16, 18, 20
- Order No. 7567-889 Price Each: \$18.97 3



Ratchet Crimper For Standard Connectors



- Crimps insulated & non-insulated connectors.
 - 3 crimp positions range
 - AWG 20-16 red, 16-14 blue, 12-10 yellow.
 - Soft grip non-slip handles.
 - Factory set auto release at end of crimp cycle.
- Order No. 7843-618 Price Each: \$269.60 3

WILLIAMS



Made in USA

Multi-Purpose Combination Wire Tool



- Crimp and strip wire sizes 10-22 AWG
 - Double-dipped handles w/air cushion pockets
 - Bolt cutter cuts 5 sizes:
4-40, 6-32, 8-32, 10-32, 10-24
 - Front end crimper, with Anvil Cutter style nose
- Order No. 7223-524 Price Each: \$29.43 3

WILLIAMS



Made in USA

Super Duty Front End Wire Stripper w/Bolt Cutters



- Capacity: AWG-solid 10-18, Stranded 12-20
 - Double-dipped handles w/air cushion pockets
 - Longer, curved handles for extra leverage
 - Bolt cutter cuts 6-32, 8-32 screws cleanly
 - Serrated gripping jaws in nose for use as pliers
- Order No. 7223-533 Price Each: \$25.58 3

Locking Pliers

WISE-GRIP®

Curved Jaw Locking Pliers

With wire cutter



1

3

WISE-GRIP® ORIG. HANDLE					
L'GTH	JAW ADJ.	MODEL NO.	ORDER NO.	PRICE EACH	ORDER NO.
4"	15/16	4WR	3255-212	\$14.91	-
5"	1-1/8	5WR	3255-210	20.86	7711-005
7"	1-1/2	7WR	3255-208	21.39	7711-007
10"	1-7/8	10WR	3255-206	21.78	7711-010
					7.14

WISE-GRIP®

Curved Jaw Locking Pliers

Without wire cutter



1

ORIG. HANDLE				
L'GTH	JAW ADJ.	MODEL NO.	ORDER NO.	PRICE EACH
7"	1-1/2	7CR	3255-218	\$21.39

WISE-GRIP®

Straight Jaw Locking Pliers



1

WISE-GRIP® ORIG. HANDLE				
L'GTH	JAW ADJ.	MODEL NO.	ORDER NO.	PRICE EACH
7"	1-1/2	7R	3255-204	\$21.39
10"	1-3/4	10R	3255-202	21.78

WISE-GRIP®

Long Nose Locking Pliers

With wire cutter



1

3

WISE-GRIP® ORIG. HANDLE					
L'GTH	JAW ADJ.	MODEL NO.	ORDER NO.	PRICE EACH	ORDER NO.
4"	0-1-5/8h"	4LN	3255-224	\$16.87	-
6"	0-2"	6LN	3255-220	22.44	7711-306
9"	0-2-3/4"	9LN	3255-222	26.88	7711-309
					5.68

WISE-GRIP®

Locking Wrench

With wire cutter



1

ORIG. HANDLE			
WRENCH SIZE RANGE	ITEM	ORDER NO.	PRICE EACH
1/4"-9/16"	4LW	3255-256	\$15.57
7mm-14mm			
7/16"-3/4"	7LW	3255-257	17.94
11mm-19mm			
5/8"-1-1/8"	10LW	3255-258	22.79
16mm-28mm			

WISE-GRIP®

Locking Sheet Metal Tool

Makes bending, forming, & crimping sheet metal jobs easier.



1

ORIG. HANDLE					
L'GTH	JAW WIDTH	THROAT DEPTH	MODEL NO.	ORDER NO.	PRICE EACH
8"	3-1/8	1-3/4	8R	3255-252	\$25.33

WISE-GRIP®

Large Jaw Locking Pliers

Heavy-duty jaw grips work of all shapes; ideal for plumbers, mechanics, welders, and large jobs.



1

ORIG. HANDLE				
L'GTH	JAW ADJ.	MODEL NO.	ORDER NO.	PRICE EACH
12"	0-3-1/8"	12LC	3255-216	\$26.31

WISE-GRIP®

Locking Pinch Off Tool

Pinches off and locks onto tubing, leaving both hands free.



1

SIZE	JAW ADJ.	JAW DEPTH	MODEL NO.	ORDER NO.	PRICE EACH
7"	1-1/4"	1"	RR	3255-255	\$20.49

WISE-GRIP®

Welding Clamp



1

L'GTH	JAW WIDTH	THROAT DEPTH	MODEL NO.	ORDER NO.	PRICE EACH
9"	1-5/8	2-3/4	9R	3255-253	\$30.15

WISE-GRIP®

Locking "C" Clamp

*With swivel pads



1

L'GTH	JAW WIDTH	THROAT DEPTH	MODEL NO.	ORDER NO.	PRICE EACH
4"	0-1-5/8	1-1/4	4SP*	3255-249	\$15.77
6"	0-2-1/8	1-1/2	6SP*	3255-242	22.50
11"	0-4"	2-5/8	11SP*	3255-244	36.30
18"	0-8"	9-1/2"	18SP*	3255-246	50.81
24"	0-10"	15-1/2	24SP*	3255-248	63.43

WISE-GRIP®

Locking "C" Clamp



1

L'GTH	JAW ADJ.	THROAT DEPTH	MODEL NO.	ORDER NO.	PRICE EACH
6"	0-2-1/8	1-1/2	6R	3255-241	\$20.01
11"	0-4"	2-5/8	11R	3255-243	33.75
18"	0-8"	9-1/2"	18R	3255-245	49.38
24"	0-12-1/2	15-1/2"	24R	3255-251	60.87

WISE-GRIP® Sets

3 Piece Tool Set

Contains:

5" Locking Pliers,
6" Long Nose Locking Pliers,
10" Locking Pliers and Kit Bag

Order No. 3255-235

Price Each \$65.02

1



WISE-GRIP®

Locking Chain Clamp

18" effective chain length holds and locks around any shape, any size. Adjusts for ratchet action in either direction. Wide variety of uses.

Order No. 3255-254 Price Each: \$38.30



Screwdrivers

Industrial Screwdrivers and Sets



Standard-Round Shank



- Comfort-grip handle w/thumb stop

BLADE WIDTH/BLADE SIZE	LENGTH	ORDER NO.	PRICE EACH
3/16	3	7292-627	\$9.96
1/4	stubby	7292-638	9.16
1/4	4	7292-628	10.83
5/16	6	7292-629	12.87
3/8	8	7292-630	15.18
3/8	12	7292-637*	16.61
7/16	10	7292-631	19.56

*Square shank



Electrician's Thin Blade-Round Shank



- Comfort-grip handle w/thumb stop

BLADE WIDTH/BLADE SIZE	LENGTH	ORDER NO.	PRICE EACH
1/4	4	7292-615	\$10.97
1/4	6	7227-663†	6.20
1/4	8	7292-620	13.54
1/4	12	7227-665†	8.24
3/16	3	7292-616	10.17
3/16	6	7292-617	10.67
3/16	10	7292-618	11.97
1/8	3	7292-619	8.56

† Limited Quantities



3

Standard-Pocket Size

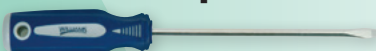


- Magnetized Tip, Large PVC handle

BLADE WIDTH/BLADE SIZE	LENGTH	ORDER NO.	PRICE EACH
1/8	4	7722-104	\$1.43



Standard- Bi-Mold Comfort Grip Handles



- Bi-mold handles provide comfortable grip reducing hand fatigue • Handle end shows size

BLADE WIDTH/BLADE SIZE	LENGTH	ORDER NO.	PRICE EACH
3/16	4	7224-205	\$5.76
3/16	6	7224-209	5.82
1/4	4	7224-219	7.81
1/4	6	7224-229	8.45
5/16	6	7224-237	10.21
5/16	8	7224-239	10.88
3/8	8	7224-241	10.98
3/8	12	7224-243	11.97



Phillips-Round Shank



- Comfort-grip handle w/thumb stop

BLADE WIDTH/BLADE SIZE	LENGTH	ORDER NO.	PRICE EACH
1	3	7292-621	\$9.80
2	4	7292-622	12.87
2	8	7292-623	16.48
3	6	7292-625	16.35
4	6	7292-626	19.39
2	stubby	7293-394	9.80



8-pc. Screwdriver Set



1/4-4", 5/16-6", 3/8-8", No. 1-3", No. 2-4", 3-6", 3/16-3", 3/16-6"

- 3 Slotted, 3 Phillips, 2 Electrician's
- Comfort grip handle w/thumb stop
- Blades made from special alloy steel for extra strength
- Vapor-blasted tips grip fasteners, and prevent chipping, extending tool life

Order No. 7292-897 Price Each: \$92.96



6-pc. Screwdriver Set



6-pc. (3"¹/₂"-12")
Standard Tip - Round Shank
Order No. 7292-895 \$99.64



6-pc. Screwdriver Set



6-pc.
1-3", 2-4", 2-8", 3-6", 4-6", 2-Stubby
Phillips- Round Shank
Order No. 7292-894 \$89.28



Standard-Mechanic's



BLADE WIDTH/BLADE SIZE	LENGTH	ORDER NO.	PRICE EACH
1/4	1-1/2	7722-121	\$2.86
1/4	4	7722-124	3.55
1/4	6	7722-126	3.78
5/16	6	7722-136	4.80

Phillips-Assorted



BLADE SIZE	BLADE LENGTH	ORDER NO.	PRICE EACH
#0	2-1/2	7722-152	\$1.43
#1	3	7722-163	2.83
#2	1-1/2	7722-171	2.67
#2	4	7722-174	3.55
#3	6	7722-186	4.80

Standard-Electrician's



BLADE WIDTH/BLADE SIZE	LENGTH	ORDER NO.	PRICE EACH
3/16	3	7722-113	\$3.02
3/16	4	7722-114	3.23
3/16	6	7722-116	3.42

Screwdrivers

3

Industrial Screwdrivers and Sets



Standard-Square Shank



- Blue/Black Fluted Handle

BLADE WIDTH/BLADE SIZE	LENGTH	SCREW SIZE#	ORDER NO.	PRICE EACH
1/8	3	2,3	7566-202	\$7.65
3/16	4	5,6,7	7566-203	8.07
3/16	6	5,6,7	7566-205	9.85
1/4	4	8,9	7566-208	9.14
1/4	8	8,9	7566-209	11.12
1/4	6	8,9	7566-211	9.95
1/4	3	8,9	7566-212	7.43
5/16	8	10	7566-214	11.12
5/16	6	10	7566-217	11.32
3/8	8	12,	7566-220	13.85
3/8	10	14-24,	7566-221	13.75
3/8	12	1/4-3/8	7566-223	19.02
3/8	6	^	7566-224	12.11
7/16	12	-	7566-226	19.25



8-pc. Screwdriver Set



8-pc. Standard, Phillips, and Cabinet
Standard: 4", 6" Phillips: #1, #2, #3
Cabinet: 3", 4", 5"
Order No. 7566-620 \$77.48



7-pc. Screwdriver Set



7-pc. Standard, Square Shank
4", 6" (1/4" tip & 5/16" tip), 8", 10", 12", 1-1/2"
Order No. 7566-626 \$94.66



Standard-with Pocket Clip



BLADE WIDTH/BLADE SIZE	LENGTH	SCREW SIZE#	ORDER NO.	PRICE EACH
1/8	3	2,3	7566-253 (Round Shank)	\$6.55
1/8	3	2,3	7566-202 (Square Shank)	\$7.65



Cabinet Tip-Round Shank



BLADE WIDTH/BLADE SIZE	LENGTH	SCREW SIZE#	ORDER NO.	PRICE EACH
.020	3	5-1/4	7566-253	\$6.55
.020	4	6-1/4	7566-255	7.04
.020	5	7-1/4	7566-256	7.25
.020	6	8-1/4	7566-258	7.70
.020	8	10-1/4	7566-259	7.99
.037	3	6-3/4	7566-261	8.07
.037	4	7-3/4	7566-262	8.31
.037	5	8-3/4	7566-265	8.28
.037	6	9-3/4	7566-267	8.65
.037	8	11-3/4	7566-268	8.61
.037	10	13-3/4	7566-270	9.47
.040	10	14-1/4	7566-271	9.66



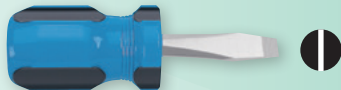
Standard-Round Shank



BLADE WIDTH/BLADE SIZE	LENGTH	SCREW SIZE#	ORDER NO.	PRICE EACH
1/4	4	8,9	7566-102	\$8.19
5/16	6	10	7566-103	9.71
5/16	10	10	7566-105	15.69
3/8	8	12,	7566-106	10.81
3/8	10	14-24,	7566-108	15.51
3/8	12	1/4-3/8	7566-109	16.13



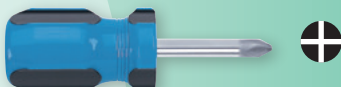
Standard-Stubby



BLADE WIDTH/BLADE SIZE	LENGTH	SCREW SIZE#	ORDER NO.	PRICE EACH
3/16	1	5,6,7	7566-230	\$6.44
1/4	1-1/2	8,9	7566-232	6.28



Philips-Stubby



BLADE WIDTH/BLADE SIZE	LENGTH	SCREW SIZE#	ORDER NO.	PRICE EACH
#2	1-1/2	P2	7566-150	\$7.09



Philips-with Pocket Clip



BLADE WIDTH/BLADE SIZE	LENGTH	SCREW SIZE#	ORDER NO.	PRICE EACH
#0	2-1/2	P0	7566-152	\$6.45

GENERAL® Ratchet Offset Screwdrivers



Model 807X

- For reaching hard to get at screws, especially where leverage is required. • Individually carded.
- Blades are made of machined ground & hardened tool steel.
- Ratchet adjusts for forward or reverse position.
- Conforms to government specifications GGG-S-1408.

MODEL	INCLUDES	ORDER NO.	PRICE
807X	No. 1 and No. 2 crosspoint blades	6942-670	\$11.95
807SX	1/4" straight and No. 2 crosspoint blades	6942-667	10.62



Phillips-Round Shank



BLADE WIDTH/BLADE SIZE	LENGTH	SCREW SIZE#	ORDER NO.	PRICE EACH
#0	2-1/2	4-3/4	7566-152	\$6.45
#1	3	6-3/4	7566-153	7.73
#1	6	9-3/4	7566-155	9.88
#2	4	8-1/4	7566-156	10.31
#2	8	12-1/4	7566-158	12.13
#3	6	11	7566-161	12.20
#4	8	13-1/2	7566-164	14.35

GENERAL® Ratchet Offset Screwdriver Set



- For reaching inaccessible screws where leverage is desired.
- Ratchet driver is plated steel and instantly adjusts for right or left hand use.
- Has hardened tempered steel blades.
- Five piece set includes 1/4" and 3/8" straight blades, No. 1 and No. 2 crosspoint blades, & handle.

MODEL	ORDER NO.	PRICE
8071	6942-673	\$14.70

Screwdrivers



Wiha Soft-Finish® Handle - Ergonomic Cushion Grip

- Achieves 40% more torque than conventional handles
- Blades made of chrome-vanadium-molybdenum tool steel
- Tips are precision machined • Red and black handles

Slotted- Round Blade



BLADE WIDTH/BLADE SIZE	LENGTH	ORDER NO.	PRICE EACH
1/8	3.9*	7830-205	\$7.97
9/64	3.9*	7830-210	8.19
5/32	3.9*	7830-215	8.28
5/32	5.9*	7830-217	8.47
7/32	5*	7830-220	10.36
7/32	11.8*	7830-238	13.06
1/4	3.9	7830-223	11.08
1/4	5.9	7830-225	11.65
5/16	5.9	7830-227	16.58
5/16	7	7830-230	16.61
3/8	8	7830-235	17.97
15/32	9.8	7830-236	23.73

* Cabinet Tip

Phillips- Round Blade



BLADE WIDTH/BLADE SIZE	LENGTH	ORDER NO.	PRICE EACH
#0	2.4	7831-105	\$6.20
#1	3.0	7831-110	8.97
#1	8.0	7831-112	11.87
#1	12.0	7831-114	17.30
#2	4.0	7831-115	11.72
#2	8.0	7831-117	12.59
#2	12.0	7831-118	17.32
#3	6.0	7831-120	15.76
#4	8.0	7831-125	24.79

Slotted - Hex Blade- Hex Bolster - Metal Cap



BLADE WIDTH/BLADE SIZE	LENGTH	ORDER NO.	PRICE EACH
9/64	3	7853-010	\$16.44
3/16	3.5	7853-015	17.36
7/32	3.9	7853-020	20.83
1/4	5	7853-025	22.99
5/16	5.9	7853-027	31.99
3/8	7	7853-035	32.50
1/2	8	7853-040	32.44

Phillips - Hex Blade Hex Bolster - Metal Cap



BLADE WIDTH/BLADE SIZE	LENGTH	ORDER NO.	PRICE EACH
#1	3.1	7853-110	\$17.49
#2	3.9	7853-115	21.73
#3	5.9	7853-120	27.58

Phillips-Hex Blade



BLADE WIDTH/BLADE SIZE	LENGTH	ORDER NO.	PRICE EACH
#1	3.1	7831-201	\$10.70
#2	3.9	7831-202	13.82
#3	5.9	7831-203	19.36

Slotted-Hex Blade



BLADE WIDTH/BLADE SIZE	LENGTH	ORDER NO.	PRICE EACH
7/32	3.9	7830-815	\$13.94
1/4	5	7830-817	15.00
9/32	5	7830-820	15.14
5/16	5.9	7830-825	16.40
3/8	7	7830-830	23.50
1/2	12	7830-835	32.71

5-pc. Screwdriver Set



5-pc. Standard/Phillips
Hex Blade - Hex Bolster
Std. Tip Dia.: 5.5, 7, 8mm
Phillips: #1-2
Order No. 7830-892 \$70.92



Screwdrivers

Ergonomic Screwdrivers

Standard - 3K Series



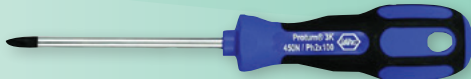
- 3K Ergonomic handle, cushion grip
- Blade chrome-vanadium-moly steel, hardened, nickel plated
- Blue & black handles

8

BLADE WIDTH/BLADE SIZE		LENGTH	ORDER NO.	PRICE EACH
3/32		3**	7845-040	\$ 4.54
5/32		3.9**	7845-054	5.40
3/16		3.9	7845-055	5.00
3/16		5.9	7845-056	5.96
3/16		8	7845-057	6.34
1/4		8	7845-062	7.62
1/4		1-1/2*	7845-064	5.70
1/4		5.9	7845-065	7.40
3/8		8	7845-069	10.02

*Stubby-Powerhandle, not a 3K handle
**Cabinet Tips

Phillips- 3K Series



- 3K Ergonomic handle, cushion grip
- Blade chrome-vanadium-moly steel, hardened, nickel plated
- Blue & black handles

8

BLADE WIDTH/BLADE SIZE		LENGTH	ORDER NO.	PRICE EACH
#0		2.4	7845-135	\$4.72
#1		8.0	7845-140	6.28
#2		8.0	7845-147	10.34
#2		1.6*	7845-150	5.34
#3		6.0	7845-152	9.44

*Stubby-Powerhandle, not a 3K handle

LUTZ 6-in-1 Multi-Tool



- Contains 1/4" & 3/16" slotted bit and a #1 & #2 philips bit.
- The chrome/nickel plated tube is a hex tube to create a 1/4" & 5/16" nut driver.
- Handle has a wide diameter for a better, more comfortable grip.

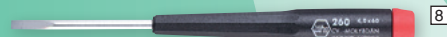
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COLOR	ORDER NO.	PRICE EACH
Orange	9622-063	\$7.17
Yellow	9622-064	7.17
Red	9622-065	7.17

Screwdrivers- Professional Quality

Precision Series

Slotted Screwdriver, with Precision Handle



Blade high alloy chrome-vanadium-molybdenum-steel.

BLADE WIDTH INCH	BLADE LENGTH INCH	ORDER NO.	PRICE EACH
1/32	1.6	7826-008	\$8.40
.039	1.6	7826-010	7.73
3/64	1.6	7826-012	6.61
1/16	1.6	7826-015	6.16
.070	1.6	7826-018	5.92
5/64	1.6	7826-020	5.71
5/64	2.0	7826-022	5.71
5/64	3.9	7826-023	5.71
3/32	2.0	7826-025	5.34
3/32	3.9	7826-027	5.35
3/32	6.0	7826-028	7.01
1/8	2.0	7826-030	5.15
1/8	2.4	7826-032	5.53
1/8	3.9	7826-033	5.94
1/8	5.9	7826-034	7.03
9/64	2.4	7826-035	5.73
5/32	2.4	7826-040	6.41
5/32	3.9	7826-041	6.39
5/32	5.9	7826-042	7.51

TORX® Screwdriver, with Precision Handle



Blade high alloy chrome-vanadium-molybdenum-steel.

SIZE	BLADE LENGTH mm	INCH	ORDER NO.	PRICE EACH
T3	40	1.6	7826-703	\$7.46
T4	40	1.6	7826-704	7.46
T5	40	1.6	7826-705	5.82
T6	40	1.6	7826-706	7.47
T7	40	1.6	7826-707	7.48
T9	50	2	7826-709	7.50
T10	50	2	7826-710	7.84
T15	60	2.4	7826-715	7.86
T20	60	2.4	7826-720	6.08

Phillips Screwdriver, with Precision Handle



Blade high alloy chrome-vanadium-molybdenum-steel.

SIZE	BLADE LENGTH mm	INCH	ORDER NO.	PRICE EACH
000	40	1.6	7826-102	\$8.28
00	40	1.6	7826-100	6.38
00	75	3.0	7826-101	5.16
0	50	2.0	7826-105	5.72
0	75	3.0	7826-108	5.57
0	100	3.9	7826-107	4.78
0	150	5.9	7826-109	7.53
1	60	2.4	7826-110	5.97
1	80	3.1	7826-113	5.02
1	100	3.9	7826-114	6.50
1	150	5.9	7826-115	8.05

6 Piece Precision Handle Screwdriver Set - TORX®



TORX® 6 Piece Set
Blade: alloy chrome-vanadium-molybdenum-steel.
Contains sizes: T6, T7, T8, T9, T10, T15
Order No. 7826-790 Price Each \$45.25

7 Piece Precision Handle Screwdriver Set



Slotted & Phillips Driver 7 Piece Set
Blade: alloy chrome-vanadium-molybdenum-steel.
Contains: Slotted sizes (mm)- 1.5, 2.0, 2.5, 3.0
Phillips sizes (mm)- 00, 0, 1
Order No. 7826-190 Price Each \$61.31

6 Piece Precision Handle Screwdriver Set - Slotted



Slotted Driver 6 Piece Set
Blade: alloy chrome-vanadium-molybdenum-steel.
Contains mm sizes: 1.5, 2.0, 2.5, 3.0, 3.5, 4.0
Order No. 7826-090 Price Each \$35.97

7-pc. Extra Long Screwdriver Set



BLADE WIDTH/ SIZE	BLADE LENGTH	BLADE WIDTH/ SIZE	BLADE LENGTH
2.5mm	100mm	4.0mm	100mm
2.5mm	50mm	3.0mm	150mm
3.0mm	100mm	4.0mm	150mm
Ph. 0	75mm		

7-pc. Slotted/Phillips- Blade high-alloy chrome-vanadium molybdenum steel
Order No. 7826-092 \$42.64

Master Technicians Benchtop Set

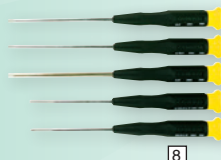


SET INCLUDES:
Screwdrivers: Phillips #000, #00, #0, #1
Slotted .8, 1.0, 1.2, 1.5, 1.8, 2.0, 2.5, 3.0, 3.5, 4.0
Torx: T1, T2, T3, T4, T5, T6, T7, T8, T9, T10
Metric Hex: 1.27, 1.5, 2.0, 2.5, 3.0
Inch Hex:
.028, .035, .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32
Metric Nut Drivers:
1.5, 1.8, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5
Chip Lifter

• Plexiglass frame, equipped with 50 precision drivers.

Order No. 7892-190 Price Each \$359.97

GENERAL® Screwdriver Sets



MODEL	DESCRIPTION & SIZE	ORDER NO.	PRICE
701	#00 x 2 1/2" (#00 x 60mm)	6922-048	\$ 4.28
703	#1 x 4" (#1 x 100mm)	6922-050	4.28
705	3/16 x 2 1/2" (2.5 x 60mm)	6922-052	3.46
706	1/4 x 4" (3 x 100mm)	6922-053	3.86
707	5/16 x 4" (3.5 x 100mm)	6922-054	4.44
708	3/8 x 4" (4 x 100mm)	6922-055	3.86
700	5 pc. Set:	6922-066	21.88
	701, 702, 703, 705, 706		

Torque Control Screwdrivers

3

Torque Tool & Blade Set

- Ergonomic, multi-component handle, cushion grip
- Window scale, audible click at each torque setting



24-pc. Micro Bit Set

incl. Ergonomic Adjustable Handle,
21 Micro Bits, Holder, and
Torque Adjustment Tool, in steel box
Handle Range: 7.5 - 20" lbs,
Slotted: 1.5, 2.0, 3.0, 4.0mm
Phillips: #00, #0, #1
TORX: T6, T7, T8, T9, T10, T15
Hex Inch: .050, 1/16, 5/64, 3/32,
7/64, 1/8, 9/64, 5/32

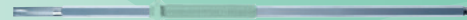
Order No. 7828-590 Price Each: \$245.04

Adjustable Handle



RANGE INCH/LBS.	ORDER NO.	PRICE EACH
5-10" lbs.	7828-502	\$171.97
10-50" lbs.	7828-506	193.31

TORX Plus Blades - Hex Shaft



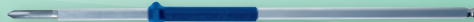
BLADE WIDTH/BLADE SIZE	LENGTH	ORDER NO.	PRICE EACH
IP5	175	7828-571	\$11.97
IP6	175	7828-572	11.97
IP7	175	7828-573	11.97
IP8	175	7828-574	11.97
IP9	175	7828-575	11.97
IP10	175	7828-576	11.97
IP15	175	7828-577	11.97
IP20	175	7828-578	11.97
IP25	175	7828-579	11.97

TORX Blades - Hex Shaft



BLADE SIZE	LENGTH (mm)	ORDER NO.	PRICE EACH
T5	175	7828-561	\$11.97
T6	175	7828-562	11.97
T7	175	7828-563	11.97
T8	175	7828-564	11.97
T9	175	7828-565	11.97
T10	175	7828-566	11.97
T15	175	7828-567	10.64
T20	175	7828-568	11.97
T25	175	7828-569	11.97

Phillips Blades - Hex Shaft



BLADE WIDTH/BLADE SIZE	LENGTH	ORDER NO.	PRICE EACH
000	175	7828-540	\$11.97
#00	175	7828-541	11.97
#0	175	7828-542	11.97
#1	175	7828-543	11.97

Standard Blades - Hex Shaft



BLADE WIDTH/BLADE SIZE	LENGTH	ORDER NO.	PRICE EACH
1/16	175	7828-534	\$11.97
5/64	175	7828-535	11.97
3/32	175	7828-536	11.97
1/8	175	7828-537	11.97
9/64	175	7828-538	11.97
5/32	175	7828-539	11.97

Nutdriver- Fractional Wiha SoftFinish Handle



- CVM Steel, Hardened. Deep drawn 1" socket.
- Solid shafts. Multi-component, cushion grips.
- Red and black handle

BLADE WIDTH/LENGTH SIZE	BLADE LENGTH (INCH)	ORDER NO.	PRICE EACH
9/64	5	7834-134	\$7.50
3/16	5	7834-136	9.29
7/32	5	7834-137	9.98
1/4	5	7834-138	10.00
5/16	5	7834-139	10.00
11/32	5	7834-140	10.42
3/8	5	7834-141	10.86
7/16	5	7834-142	12.26
1/2	5	7834-143	13.04
9/16	5	7834-144	14.11
5/8	5	7834-145	16.85

Nutdriver- Metric Wiha SoftFinish Handle



- CVM Steel, Hardened. Deep drawn 1" socket.
- Solid shafts. Multi-component, cushion grips.
- Red and black handle

BLADE SIZE (MM)	BLADE LENGTH (INCH)	ORDER NO.	PRICE EACH
5.0	5	7834-120	\$9.83
5.5	5	7834-121	9.86
6.0	5	7834-122	10.27
7.0	5	7834-123	11.21
8.0	5	7834-124	11.18
9.0	5	7834-125	7.94
10.0	5	7834-126	11.21
11.0	5	7834-127	12.08
12.0	5	7834-128	13.09
13.0	5	7834-129	13.53
14.0	5	7834-130	16.16
15.0	5	7834-131	16.80

10-pc. Nutdriver Set



- CVM Steel, Hardened. Deep drawn 1" socket.
 - Solid shafts. Multi-component,
 - Red and black handle
- Inch: 3/16, 7/32, 1/4, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16, 5/8
Order No. 7834-195 Price: \$118.26

7-pc. Nut Driver Set



DESCRIPTION	ORDER NO.	PRICE
7 Piece - Metric Set Wt. 1.89 lbs. Contains 1 each (mm): 5.0, 5.5, 6.0, 7.0, 8.0, 10.0, 13.0	7834-194	\$76.57
7 Piece Inch Set Wt. 1.89 lbs. Contains 1 each: 3/16, 1/4, 5/16, 11/32, 3/8, 7/16, 1/2	7834-193	75.28

8-pc. Nutdriver Set



Blade Chrome Vanadium steel
Inch: 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4
Order No. 7826-591 Price: \$69.31

Insulated Tools

Screwdrivers



- Insulated according to ASTM F-1505-01, New VDE Spec. 0682/part 201 and EN/IEC 60900, up to 1000V. Yellow & red handle.

BLADE WIDTH/BLADE SIZE	LENGTH	ORDER NO.	PRICE EACH
5/64	3	7832-005	\$7.55
3/32	3	7832-010	7.63
1/8	4	7832-012	7.70
9/64	4	7832-015	8.65
3/16	5	7832-024	9.96
7/32	7	7832-026	11.15
1/4	6	7832-039	13.61
5/16	7	7832-042	17.50
3/8	8	7832-045	22.66

Phillips



BLADE SIZE	LENGTH	ORDER NO.	PRICE EACH
0	2.4	7832-100	\$8.18
1	3.0	7832-101	9.73
2	4.0	7832-102	12.07
3	6.0	7832-103	17.09

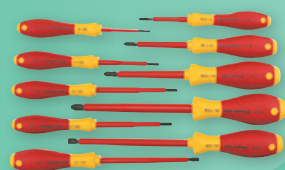


6-Pc. Set



SLOTTED		PHILLIPS	
BLADE WIDTH	BLADE LENGTH	SIZE	BLADE LENGTH
mm	mm	mm	mm
3.5	100	1	80
4.5	125	2	100
6.5	150	3	50

Order No. 7832-092 Price Each \$69.31



10-Pc. Set



SLOTTED		PHILLIPS	
BLADE WIDTH	BLADE LENGTH	SIZE	BLADE LENGTH
mm	mm	mm	mm
2.0	60	0	60
2.5	75	1	80
3.0	100	2	100
3.5	100	3	150
4.5	125		
6.5	150		

Order No. 7832-093 Price Each \$106.64

Nut Drivers



- Insulated according to ASTM F-1505-01, New VDE Spec. 0682/part 201 and EN/IEC 60900, up to 1000V. Yellow & red handle.

BLADE WIDTH/BLADE SIZE	LENGTH	ORDER NO.	PRICE EACH
5/32	5	7832-255	\$13.29
3/16	5	7832-258	14.35
7/32	5	7832-261	14.31
1/4	5	7832-264	13.32
5/16	5	7832-267	17.11
3/8	5	7832-270	19.23
7/16	5	7832-273	21.00
1/2	5	7832-276	22.05
9/16	5	7832-278	22.38
5/8	5	7832-280	24.18

Metric



BLADE SIZE (MM)	LENGTH (MM)	ORDER NO.	PRICE EACH
4.0	125	7832-206	\$13.52
5.0	125	7832-209	14.33
5.5	125	7832-212	14.37
6.0	125	7832-215	14.33
7.0	125	7832-218	16.09
8.0	125	7832-221	16.98
9.0	125	7832-224	19.29
10.0	125	7832-227	20.48
11.0	125	7832-230	21.08
12.0	125	7832-233	21.22
13.0	125	7832-236	22.25



5-Pc. Set



STANDARD			
SIZE INCH	BLADE LENGTH INCH	SIZE INCH	BLADE LENGTH INCH
7/32	5	3/8	5
1/4	5	1/2	5
5/16	5		

Order No. 7832-292 Price Each \$82.64



5-Pc. Set Metric



SIZE mm	BLADE LENGTH mm	SIZE mm	BLADE LENGTH mm
6.0	125	9.0	125
7.0	125	10.0	125
8.0	125		

Order No. 7832-291 Price Each \$86.70



TORX® Screwdrivers



- Insulated according to ASTM F-1505-01, New VDE Spec. 0682/part 201 and EN/IEC 60900, up to 1000V. Yellow & red handle.

BLADE WIDTH/BLADE SIZE	LENGTH	ORDER NO.	PRICE EACH
T5	2.4	7832-505	\$8.58
T6	2.4	7832-511	8.57
T7	2.4	7832-516	8.60
T8	2.4	7832-521	8.55
T9	2.4	7832-526	8.60
T10	2.4	7832-531	8.56
T15	3.0	7832-536	10.70
T20	3.0	7832-541	10.78
T25	3.0	7832-546	10.80
T27	4.0	7832-551	13.41
T30	4.0	7832-556	13.41
T40	6.0	7832-561	16.14

6-Pc. Set

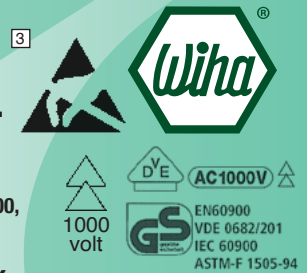


SIZE	BLADE LENGTH INCH	SIZE mm	BLADE LENGTH INCH
T8	60	T15	80
T9	60	T20	80
T10	60	T25	80

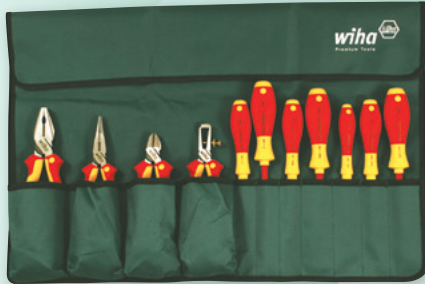
Order No. 7832-590 Price Each \$57.31

Insulated Tools

WARNING: All insulated tool for use with insulated sockets and attachments only.



11-pc. Insulated Pliers & Screwdriver Set



11 Pc. Pliers & Screwdriver Set.
 • Insulation According to VDE 0682/part 201, DIN EN 60900, EN/IEC 60900, ASTM F-1505-01, NFPA70E, up to 1000 volt. Individually Tested.
 • In Roll Out Pouch
Order No. 7832-986
Price Each \$ 253.31

Set Includes:
 • 6.3" Long Nose Pliers
 • 6.3" Diagonal Cutters
 • 8.0" Combination Pliers
 • 6.3" Stripping Pliers
 • Insulated Slotted: 3.0, 4.5, 5.5mm
 • Insulated Phillips: #1, #2
 • Insulated Square: #1, #2

Insulation according to VDE0682/part 201, EN/IEC 60900, ASTM F-1505-01, NFPA70E & CSA, up to 1000 volt.

Insulated Long Nose Pliers w/

LENGTH	ORDER NO.	PRICE
6.3"	7832-926	\$35.97
8"	7832-923	43.97



Combination Pliers w/Dynamic Joint

LENGTH	ORDER NO.	PRICE
8"	7832-930	\$43.97



Insulated Diagonal Cutters

LENGTH	ORDER NO.	PRICE
6.3"	7832-933	\$39.97
8"	7832-929	51.97



7-pc. Insulated Pliers/Cutters & Screwdriver Set

7 Pc. Insulated Industrial Pliers/Cutters & Screwdrivers

Set Includes:
 • 8.0" Combo Pliers
 • 6.3" Long Nose
 • 6.3" Diagonal Cutters
 • Insulated Drivers: Slotted: 3.0, 4.5mm
 Phillips: #1, #2
 • In Belt Pack Pouch

Order No. 7832-985
Price Each \$ 166.64



Insulated Stripping Pliers

LENGTH	ORDER NO.	PRICE
6.3"	7832-947	\$37.54



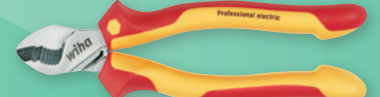
Insulated High Leverage Diagonal

LENGTH	ORDER NO.	PRICE
7"	7832-836	\$43.52
8"	7832-838	52.82



Insulated Serrated Edge Cable Cutters

LENGTH	ORDER NO.	PRICE
6.3"	7832-826	\$43.30
8"	7832-828	59.04



Insulated Stripping Knife w/Insulated Handle



• Insulation According to VDE Specification.
 • Up to 1,000 Volt. • Individually Tested.
 • Blade tool steel, hardened. Insulation molded directly on.
 • Hooked cutting edge, half round ground. Cover included.

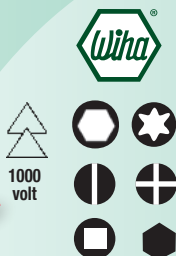
LENGTH	ORDER NO.	PRICE
7"	7815-050	\$32.99

Insulated Tools

34



Master Electrician's Set - 66 Pc.



SET INCLUDES: Pliers: 8" Long Nose, 6.3" Long Flat Nose, 9" Combination Pliers/Crimpers, 8" Cable Cutters, 6.3" Side Cutters, 8" High Leverage Cutters; Screwdrivers: Ins. Slotted 2.0, 2.5, 3.0, 4, 4.5, 5.5, 6, 8.0, 10.0, Ins. Phillips #0-3; Nut Drivers: 1/4", 5/16", 11/32", 3/8", 7/16"; Metric (mm): 5.0, 5.5, 6.0, 7.0, 8.0, 10.0, 13.0; T-Handle Hex: 5/32", 3/16", 7/32", 1/4", 5/16", 3/8". Metric (mm): 4.0, 5.0, 6.0, 8.0 Torx: T8, T10, T15, T20, T25, T30; Hex L-Key: 10mm, 1/2"; Insulated Sockets: 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8"; Metric: 8.0, 10.0, 13.0, 14.0, 15.0, 17.0, 19.0, 22.0 Tools: Ins. Cable Knife 50mm, 8" Adjustable Wrench, Ins. Square #1-#2, Ins. Sit/Ph Terminal #1x80, #2x100, Ins. Extension 4.9", Ins. Ratchet 3/8" drive

- Pliers drop-forged from special tool steel, individually high frequency induction hardened, chrome and nickel plated, mirror polished
- Insulation according to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505-01, NFPA70E & CSA, up to 1000 volt. Individually Tested.

Order No. 7832-876....Price Each \$1906.64

24 Pc. Insulated Combo Set



SET INCLUDES: 11 insulated metric sockets: 6, 7, 8, 9, 10, 11, 12, 13, 14, 17, 19mm; 2 Extensions: 5" & 10"; Insulated 3/8" Ratchet: 10-1/4" OAL; Insulated Pliers: 8" Combination, 6.3" Long Nose, 6.3" Diagonal Cutter; Screwdrivers: Standard: 9/64, 3/16, 1/4; Phillips: #1-3; Insulated knife; In molded storage box

- CV Steel, forged, oil-hardened sockets. Insulated to EN/IEC 60900
- Sockets for use with insulated ratchets & extensions.

Order No. 7831-592....Price Each \$981.31

Insulated Bit Holder



Multi-bit Screwdriver with Wiha Powerhandle and insulated shaft. Multi-bit handle is 10,000 volt tested. Insulation meets EN/IEC 60900. Set includes 1/4" bits: Slotted: 5.5, 6mm Phillips: #0, #1, #2, #3

Order No. 7838-006....Price Each \$19.96

14 Pc. Pliers & Screwdriver Set



SET INCLUDES: Pliers: 8" Long Nose, 9" Combination, 6.3" Stripping; 6.3" Side Cutters, 8" High Leverage Cutters; Screwdrivers: Ins. Phillips #1-3, Ins. Slotted 2.0, 2.5, 3.0, 3.5, 4.5, 6.5

- Pliers drop-forged from special tool steel, individually high frequency induction hardened, chrome and nickel plated, mirror polished
- In zipper carry case
- Insulation according to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505-01, NFPA70E, up to 1000 volt. Individually Tested.

Order No. 7832-895....Price Each \$398.64

ESD Safe Sets

27 pc. Precision Interchangeable Bit Set - System 4, ESD Safe

- Sets include your choice of Wiha precision handle, bit extension, and 25 Wiha interchangeable bits.
- Plexiglass frame, equipped with 50 precision drivers.



SET INCLUDES:
Phillips #000-1, Slotted 1.5, 2.0, 3.0, 4.0
Torx: T3, T4, T5, T6, T7, T8, T9, T10, T15
Metric Hex: 1.3, 1.5, 2.0, 2.5, 3.0
Inch Hex: .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32 105mm Bit Extension

Set with ESD Safe Precision Handle:
Order No. 7875-992 Price Each \$66.24

9-pc. Interchangeable Blade Set - System 4, ESD Safe

ESD safe precision collet lock handle and 8 Wiha interchangeable blades.



SET INCLUDES:
Phillips #000-1, Slotted 1.5, 2.0, 3.0, 4.0
Torx: T3, T4, T5, T6, T7, T8, T9, T10, T15
Metric: 1.5, 2.0, 2.5, 3.0, 3.5, 4.0

Order No. 7826-997 Price Each \$79.76

Fastener Drive Tools

Slotted Insert Bit – IRWIN 1/4" Hex Shank – 1" OAL



SCREW SIZE	BLADE THICKNESS	BLADE WIDTH	STD. PK.	ORDER NO.	PRICE EACH
4F-5R	.034	3/16	25	4222-000	\$0.37
6F-8R	.040	7/32	25	4222-004	0.47
8F-10R	.042	1/4	25	4222-008	0.47
12F-14R	.050	9/32	25	4222-016	0.37
14F-16R	.055	9/32	25	4222-020	0.37

Slotted Power Bit – IRWIN 1/4" Hex Shank – 1-15/16" OAL

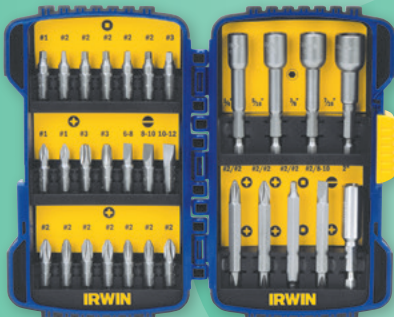


SCREW SIZE	BLADE THICKNESS	BLADE WIDTH	STD. PK.	ORDER NO.	PRICE EACH
4F-5R	.034	.187	10	4214-004	\$0.81
5F-6R	.036	.245	10	4214-008	0.65
6F-8R	.038	.250	10	4214-012	0.81
8F-10R	.042	.281	10	4214-016	0.81
12F-14R	.050	.375	10	4214-024	1.37

IRWIN Slotted/Phillips Bit For Speed Control Drills 1/4" Hex Size



IRWIN 30-Pc. Fastener Bit Set IRWIN 33-Pc. Fastener Bit Set



Includes most popular insert bits, power bits, and nutsetters

QTY.	CONTENTS DESCRIPTION
16	Phillips Insert Bits 1" – #1 (2), #2 (12), #3 (2)
7	Square Recess Insert Bits 1" – #1 (1), #2 (5), #3 (1)
3	Nutsetter – 1/4"x 1-7/8", 5/16"x1-7/8", 3/8"x1-7/8"
1	Phillips Power Bit 2" – #2
5	Slotted Insert Bits 1" – 6-8(2), 8-10(2), 10-12(1)
1	Magnetic Bit Holder 2-1/4"

Phillips Insert Bit – 1/4" Hex Shank – 1" OAL



POINT SIZE	STD. PK.	ORDER NO.	PRICE EACH
0	10	7871-100	\$8.85
1	10	7871-101	8.85
2	10	7871-102	8.85
3	10	7871-103	8.85

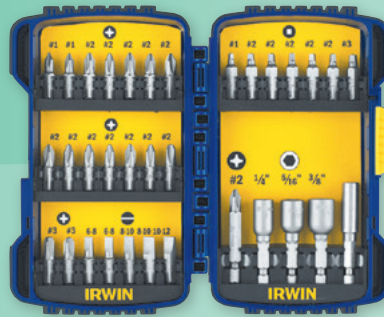
Phillips Power Bit – 1/4" Hex Shank



POINT SIZE	OVERALL LENGTH	STD. PK.	ORDER NO.	PRICE EACH
1	2"	10	7874-103	\$18.57
2	2"	10	7874-112	18.57
3	2"	10	7874-124	18.57
1	2-3/4"	10	7874-106	49.35
2	2-3/4"	10	7874-115	49.35
3	2-3/4"	10	7874-127	49.49

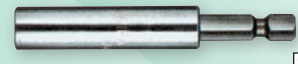
*Longer Lengths Available

OAL	SCREW SIZE	STD. PK.	ORDER NO.	PRICE EACH
1-1/2"	#1 Phillips/6-8 Slot	10	4230-000	\$0.85
1-1/2"	#2 Phillips/8-10 Slot	10	4230-004	0.85
1-1/2"	#3 Phillips/10-12 Slot	10	4230-008	0.80
2-3/8"	#1 Phillips/6-8 Slot	10	7874-303	2.94
2-3/8"	#2 Phillips/8-10 Slot	10	7874-306	2.94
2-3/8"	#3 Phillips/10-12 Slot	10	7874-309	2.83



QTY.	CONTENTS DESCRIPTION
11	Phillips Insert Bits – #1 (2), #2 (7), #3 (2)
7	Square Recess Insert Bits – #1 (1), #2 (5), #3 (1)
3	Nutsetter – 1/4"x 1-7/8", 5/16"x1-7/8", 3/8"x1-7/8"
3	Slotted Insert Bits 1" – 6-8, 8-10, 10-12
2	Phillips Double End Bit #2/#2
1	Square Recess Double End Bit #2
1	Slotted Double End Bits 8-10
5	Magnetic Nutsetters – 1/4"(2), 5/16"(1), 3/8"(1), 7/16"(1), all 2-9/16"
1	Magnetic Bit Holder 2-1/4"

Mag. 1 Pc. Bit Holders – 1/4" Hex Shank



OAL	STD. PK.	ORDER NO.	PRICE EACH
2-31/32	10	7871-130	\$9.73
2-1/4	10	7871-131	6.02

Bit Selector with Slotted, Phillips and TORX® Bits 10-Piece Set

This handy set includes 10 hardened bits of chrome-vanadium-molybdenum steel. 1/4" magnetic bit holder can be used in power tools. Plastic storage box is compact, durable and light weight. Molded hex cavity turns box into handle for quick fastening jobs.



SLOTTED BLADE WIDTH mm	PHILLIPS SIZE	TORX® SIZE	ORDER NO.	PRICE EACH
5.5	0	T10	7879-243	\$24.32
5.5	1	T15		
6.5	2	T20		
8.0	3	–		

Universal Holder 1/4" x 2.3"

Bit Selector with TORX® Bits – 10-Piece Set



TORX® SIZES	ORDER NO.	PRICE EACH
T7, T8, T9, T10, T15, T20, T25, T27, T30, T40	7879-245	\$26.20

Bits Collector with Security Bits – 39-Piece Set



Bits Collector with Security Bits in Tamper Resistant TORX®, Triwing, Torq Set, Spanner, Tamper resistant Hex, Slotted, Phillips, Pozidriv®, and Squire bits. 39-Piece set including handle, 1/4" magnetic bit holder, 1/4" bit holding socket adapter.

Order No. 7871-990
Price Each: \$97.31

Order No. 4296-501 Price Each: \$43.39 Order No. 4296-502 Price Each: \$41.35

Fastener Drive Tools

3

ClicFix® 1/4" Magnetic Bit Holder



- Internal bit lock mechanism
- Spring loaded, no fumbling
- One handed bit changes

OAL 2.9" Order No. 7871-491 \$22.64

CentroFix® 1/4" Hi-Precision Tool Holder



- Quick release tool for drills, countersinks, power bits
- OAL 2.3" Order No. 7871-480 \$35.97

IRWIN®

Magnetic Nutsetters

2-9/16" OAL & 1-7/8" OAL



LOBULAR DESIGN GoldSet® MAGNETIC NUTSETTER	STD. PK.	ORDER NO.	PRICE EACH
1-7/8 OAL x 1/4	10	4210-560	\$4.02
1-7/8 OAL x 5/16	10	4210-576	4.36
1-7/8 OAL x 3/8	10	4210-584	4.52
1-7/8 OAL x 7/16	10	4210-592	5.14
2-9/16 OAL x 5/16	10	4210-520	5.38
2-9/16 OAL x 3/8	10	4210-536	5.62
2-9/16 OAL x 7/16	10	4210-552	6.54

Hex Inch Power Bits 1/4" Hex Shank - 2" OAL



SIZE	STD. PK.	ORDER NO.	PRICE EACH
3/32	10	7874-311	\$18.57
7/64	10	7874-312	18.57
1/8	10	7874-313	18.57
9/64	10	7874-314	18.57
5/32	10	7874-315	18.57
3/16	10	7874-316	18.57
7/32	10	7874-317	18.57
1/4	10	7874-318	18.57

Hex Metric Insert Bits 1/4" Hex Shank



SIZE	STD. PK.	ORDER NO.	PRICE EACH
1.5	10	7871-303	\$8.85
2.0	10	7871-306	8.85
2.5	10	7871-308	8.85
3.0	10	7871-309	8.85
4.0	10	7871-312	8.85
5.0	10	7871-315	8.85
6.0	10	7871-318	8.85
8.0	10	7871-321	35.63
10.0	10	7871-324	45.47

TORX® Plus® Insert Bits, 1/4" Hex, 1" OAL



SIZE	OAL (MM)	STD. PK.	ORDER NO.	PRICE EACH
IP6	25	10	7871-606	\$27.48
IP7	25	10	7871-607	27.26
IP8	25	10	7871-608	26.97
IP9	25	10	7871-609	22.93
IP10	25	10	7871-610	23.18
IP15	25	10	7871-615	23.25
IP20	25	10	7871-620	23.14
IP25	25	10	7871-625	23.25
IP27	25	10	7871-627	22.93
IP30	25	10	7871-630	27.22
IP40	25	10	7871-640	27.26

Hex Inch Insert Bits 1/4" Hex Shank



SIZE	STD. PK.	ORDER NO.	PRICE EACH
1/16	10	7871-326	\$8.85
5/64	10	7871-328	8.85
3/32	10	7871-330	8.85
7/64	10	7871-333	8.85
1/8	10	7871-336	8.85
9/64	10	7871-339	8.85
5/32	10	7871-342	8.85
3/16	10	7871-345	8.85
7/32	10	7871-348	8.85
1/4	10	7871-351	8.85
5/16	10	7871-353	35.63
7/32	10	7871-356	39.07

TORX® Bits, 1/4"



TORX SIZE	OVERALL LENGTH (MM)	STD. PK.	ORDER NO.	PRICE EACH
T5	25	10	7871-505	\$8.85
T6	25	10	7871-506	8.85
T7	25	10	7871-507	8.85
T8	25	10	7871-508	8.85
T9	25	10	7871-509	8.85
T10	25	10	7871-510	8.85
T15	25	10	7871-515	8.85
T20	25	10	7871-520	8.85
T25	25	10	7871-525	8.85
T27	25	10	7871-527	8.85
T30	25	10	7871-530	8.85
T40	25	10	7871-540	8.85

TORX® Bits, Tamper Resistant 1/4" Hex Shank



SIZE	OAL (MM)	STD. PK.	ORDER NO.	PRICE EACH
T7s	25	10	7870-127	\$35.44
T8s	25	10	7870-128	34.35
T9s	25	10	7870-129	35.44
T10s	25	10	7870-135	30.31
T15s	25	10	7870-139	30.23
T20s	25	10	7870-142	30.23
T25s	25	10	7870-148	30.23
T27s	25	10	7870-160	30.31
T30s	25	10	7870-163	30.23
T40s	25	10	7870-168	34.35

TORX® Power Bits, Tamper Resistant 1/4" Hex Shank



SIZE	OAL (MM)	STD. PK.	ORDER NO.	PRICE EACH
T7s	50	10	7870-507	\$64.27
T8s	50	10	7870-508	66.63
T9s	50	10	7870-509	66.63
T10s	50	10	7870-510	66.63
T15s	50	10	7870-515	66.63
T20s	50	10	7870-520	66.63
T25s	50	10	7870-525	66.63
T27s	50	10	7870-527	66.63
T30s	50	10	7870-530	66.63
T40s	50	10	7870-540	66.63
T45s	50	10	7870-545	89.80
T50s	50	10	7870-550	89.68

TORX® Power Bits, 1/4" Drive, 2" OAL



TORX SIZE	OVERALL LENGTH (MM)	STD. PK.	ORDER NO.	PRICE EACH
T6	50	10	7874-511	\$18.57
T7	50	10	7874-512	18.57
T8	50	10	7874-513	18.57
T9	50	10	7874-517	18.57
T10	50	10	7874-519	18.57
T15	50	10	7874-521	18.57
T20	50	10	7874-523	18.57
T25	50	10	7874-529	18.57
T27	50	10	7874-531	18.57
T30	50	10	7874-533	18.57

TORX® Plus® Power Bits, 1/4" Hex, 2" OAL



SIZE	OAL (MM)	STD. PK.	ORDER NO.	PRICE EACH
IP8	50	10	7874-604	\$60.86
IP9	50	10	7874-608	60.69
IP10	50	10	7874-612	62.14
IP15	50	10	7874-616	61.45
IP20	50	10	7874-620	62.22
IP25	50	10	7874-624	61.81
IP27	50	10	7874-628	61.89
IP30	50	10	7874-632	62.12
IP40	50	10	7874-636	62.14

TORXPlus® Screwdrivers

3

T-Handle TORXPlus®

BLADE WIDTH/LENGTH SIZE	BLADE LENGTH (INCH)	ORDER NO.	PRICE EACH
IP10	3.9	7836-463	\$9.81
IP15	3.9	7836-466	10.46
IP20	3.9	7836-469	11.94
IP25	5.9	7836-472	12.52
IP27	5.9	7836-474	14.11
IP30	5.9	7836-476	14.24

6-pc. TORXPlus® T-Handle Set

- Blade high Alloy CVM Steel, hardened, hard chromed, high quality plastic handle, impact resistant

TORXPlus: IP10, IP15, IP20, IP25, IP30, IP40

Order No. 7836-496....Price Each \$72.62

TORXPlus® Pocketstar Fold Outs 8 Pc. Set

- High Alloy CVM Steel, hardened mold-
ed ergonomic handle
- TORXPlus: IP6, IP7, IP8, IP9, IP10, IP15, IP20, IP25

Order No. 7836-697
Price Each \$37.92

EasyTorque® TorqueControl Tool SoftFinish® Handle w/Blade

TORX®

BLADE WIDTH/TORQUE SIZE	TORX® TORQUE (LBS.)	ORDER NO.	PRICE EACH
T5	4.4	7829-232	\$79.97
T15	26.6	7829-242	79.97

* No calibration certificates;
Release accuracy +/- 10%

TORXPlus®

BLADE WIDTH/TORQUE SIZE	TORXPLUS® TORQUE (LBS.)	ORDER NO.	PRICE EACH
IP6	5.3	7829-247	\$79.97
IP8	10.6	7829-249	79.97
IP9	12.4	7829-252	79.97
IP10	17.7	7829-253	79.97

TORXPlus®

- Round blades of Wiha exclusive CRM-72 tool steel
- Through hardened durability, Ideal for setting Carbide Inserts.
- Precision machined exact fit Torx Plus tips
 - Micron vapor hard chromed finish
- Ergo handle shape with SoftFinish cushion grip
- Guaranteed Quality - Made by Wiha Germany

BLADE WIDTH/LENGTH SIZE	BLADE LENGTH (INCH)	ORDER NO.	PRICE EACH
IP6	2.4	7836-211	\$6.92
IP7	2.4	7836-223	6.50
IP8	2.4	7836-228	6.60
IP9	2.4	7836-229	6.90
IP15	3.1	7836-238	7.99
IP25	3.9	7836-243	9.89
IP27	4.5	7836-248	10.58
IP30	4.5	7836-253	13.37
IP40	5.1	7836-255	14.43

7-pc. TORXPlus® Set



- Blade high Alloy CVM Steel, hardened, hard chromed, Wiha-SoftFinish handle, multi-component
- Blue and black handle

TORXPlus: IP8, IP10, IP15, IP20, IP25, IP30, IP40

Order No. 7836-299....Price Each \$69.79

6-pc. TORXPlus® Set



- Blade high Alloy CVM Steel, hardened, hard chromed, Wiha-SoftFinish handle, multi-component
- Blue and black handle

TORXPlus: IP6, IP7, IP8, IP9, IP10, IP15

Order No. 7836-296....Price Each \$44.51

TORX® Screwdriver, with Wiha-Powerhandle



- CVM steel blade, hardened, hard chromed.
- Wiha Powerhandle cellulose-acetate

SIZE	BLADE LENGTH MM	ORDER NO.	PRICE EACH
T5	2.0	7836-205	\$7.36
T8	2.4	7836-215	POA
T9	2.4	7836-220	5.96
T10	3.1	7836-225	6.06
T15	3.1	7836-230	6.72
T20	3.9	7836-235	7.02
T25	3.9	7836-240	8.78
T27	4.5	7836-245	8.88
T30	4.5	7836-250	11.64

TORX® Screwdriver, with Wiha-SoftFinish® Handle



- Round blade, high alloy CVM steel, chrome plated.
- Multi-component, red & black handle, cushion grips.

SIZE	BLADE LENGTH INCH	ORDER NO.	PRICE EACH
T5	2.4	7836-264	\$6.94
T6	2.4	7836-266	6.93
T7	2.4	7836-268	6.73
T8	2.4	7836-270	6.73
T9	2.4	7836-272	7.50
T10	3.1	7836-274	7.56
T15	3.1	7836-276	8.65
T20	3.9	7836-278	8.33
T25	3.9	7836-280	9.91
T27	4.5	7836-282	11.20
T30	4.5	7836-284	13.28
T40	5.1	7836-286	14.10
T45	5.1	7836-288	15.35

6 Piece TORX® Screwdriver Set - Wiha-SoftFinish® Handle



TORX® 6 Piece Set
Blade: high alloy CVM steel, chrome-plated. Red handle.
Contains sizes: T6, T7, T8, T9, T10, T15
Order No. 7836-291 Price Each \$42.64

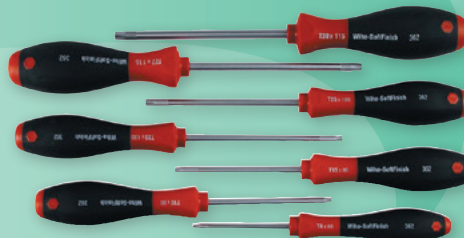
Tamper Resistant TORX® Screwdriver, with Wiha-SoftFinish® Handle



- Round blade, high alloy CVM steel, chrome plated.
- Multi-component, red & black handle, cushion grips.

SIZE	BLADE LENGTH INCH	ORDER NO.	PRICE EACH
T7s	2.4	7836-269	\$11.70
T8s	2.4	7836-271	11.67
T9s	2.4	7836-273	11.69
T10s	3.1	7836-275	11.98
T15s	3.1	7836-277	12.22
T20s	3.9	7836-279	15.43
T25s	3.9	7836-281	15.74
T27s	4.5	7836-283	18.43
T30s	4.5	7836-285	21.38
T40s	5.1	7836-287	23.64

Tamper-Resistant TORX® 7 Piece Screwdriver Set - Wiha-SoftFinish® Handle



TORX® 7 Piece Set
Blade: high alloy CVM steel, chrome-plated. Red & black handle.
Contains sizes: T7s, T8s, T9s, T10s, T15s, T20s, T25s
Order No. 7836-298 Price Each \$89.17

TORX® Screwdrivers

WILLIAMS

**TORX® Screwdriver,
Bi-Mold Comfort Grip
Handles**



1

SIZE	OAL INCH	ORDER NO.	PRICE EACH
T10	7-1/4	7297-834	\$6.56
T15	7-1/4	7297-835	6.82
T20	7-3/4	7297-836	7.04
T25	8-1/4	7297-837	7.30
T27	8-1/4	7297-838	7.62
T30	8-1/4	7297-839	7.87

Pittsburg®
ALLEGHANY

**Standard Grip TORX®
Screwdriver with Round Blade**



- Chrome Vanadium Steel Blade
- Cellulose Acetate Handle

3

SIZE	BLADE LENGTH INCH	ORDER NO.	PRICE EACH
T10	3	7729-261	\$4.28
T15	3	7729-262	4.28
T20	3	7729-263	4.28
T25	4	7729-264	4.62
T27	4	7729-265	4.62
T30	4	7729-266	4.62
T40	6	7729-267	5.18

**TORX® Screwdriver,
w/ Wiha-Proturn Handle**



- Blade high alloy CVM steel, black finish.
- Ergonomic, impact resistant, red handle

3

SIZE	BLADE LENGTH INCH	ORDER NO.	PRICE EACH
T7	2.0	7845-506	\$3.04
T9	2.4	7845-516	3.62
T10	3.1	7845-521	3.92
T20	3.9	7845-531	4.26
T27	4.5	7845-541	5.12
T30	4.5	7845-546	6.90
T40	5.1	7845-551	7.62
T45	5.1	7845-556	7.16
T50	5.1	7845-561	7.84

BONDHUS

Star T-Handle Sets

- Model TTHX8
- 8 tools with stand
- Contains: T9, T10, T15, T20, T25, T27, T30, T40

1

Order No. 3188-599
Price Each \$73.34



BONDHUS

Star Pro-Hold T-Handle Sets

- Model PHTTHX8
- Never drop a screw again
- 8 tools with stand
- Contains: T9, T10, T15, T20, T25, T27, T30, T40

1

Order No. 3188-600
Price Each \$112.18



Wiha TORX® For Tooling— Professional Quality

MADE IN GERMANY

3

TORX® Short Arm L-Keys



DESCRIPTION	ORDER NO.	PRICE
T6 x 39MM	7836-306	\$3.02
T7 x 42MM	7836-307	3.01
T8 x 45MM	7836-308	2.95
T9 x 48MM	7836-309	2.99
T15 x 54MM	7836-315	2.99
T20 x 58MM	7836-320	2.85
T25 x 63MM	7836-325	2.94
T27 x 67MM	7836-327	3.01
T30 x 73MM	7836-330	4.07
T40 x 79MM	7836-340	5.85
T45 x 82MM	7836-345	7.40
T50 x 95MM	7836-350	6.90
T55 x 108MM	7836-355	10.53
T60 x 120MM	7836-360	13.18

T-Handle TORX®



DESCRIPTION	ORDER NO.	PRICE
T9 x 100MM	7836-409	\$ 8.01
T10 x 100MM	7836-410	8.25
T15 x 100MM	7836-415	9.70
T15 x 200MM	7836-417	9.89
T20 x 100MM	7836-420	10.94
T20 x 200MM	7836-422	11.02
T25 x 100MM	7836-425	11.55
T25 x 200MM	7836-427	11.58
T27 x 200MM	7836-432	13.18
T30 x 100MM	7836-435	12.90
T40 x 200MM	7836-442	14.51

SoftGrip Dual Drive T-Handle TORX®



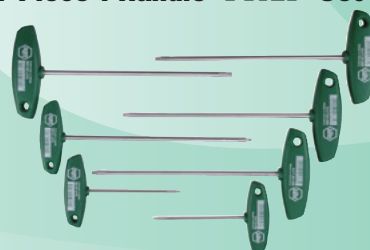
DESCRIPTION	ORDER NO.	PRICE
T10 x 100MM	7836-480	\$9.81
T15 x 100MM	7836-481	10.98
T20 x 100MM	7836-482	12.10
T25 x 150MM	7836-483	12.33
T27 x 150MM	7836-484	14.26
T30 x 150MM	7836-486	14.81

TORX® L-Keys In Plastic Holder



DESCRIPTION	ORDER NO.	PRICE
7 Piece Set Wt. .3 lbs. Contains 1 each Short Arm TORX L-Keys: T6, T7, T8, T9, T10, T15, T20	7836-392	\$25.31
9 Piece Set Wt. 1.0 lbs. Contains 1 each Short Arm TORX L-Keys: T8, T9, T10, T15, T20, T25, T27, T30, T40	7836-394	35.23

7 Piece T-Handle TORX® Set



DESCRIPTION	ORDER NO.	PRICE
7 Piece Set Contains 1 each T-Handle TORX® T9, T10, T15, T20, T25, T27, T30	7836-492	\$76.00

SoftGrip Dual Drive T-Handle TORX® 7-Pc. Set



DESCRIPTION	ORDER NO.	PRICE
7 Piece Set In Vinyl Pouch Contains 1 each T-Handle TORX® T10, T15, T20, T25, T27, T30, T40	7836-497	\$89.47

7-Pc. WingTORX® Set in Metal Stand



DESCRIPTION	ORDER NO.	PRICE
7 Piece Set Contains 1 each Wing TORX® Keys: T6, T7, T8, T9, T10, T15, T20	7836-590	\$27.97

7-Pc. Flag Style TORX® Key Set in Metal Stand



DESCRIPTION	ORDER NO.	PRICE
7 Piece Set Contains 1 each Wing TORX® Keys: T6, T7, T8, T9, T10, T15, T20. Wt. .7 lbs.	7837-090	\$27.97

**WE ALSO STOCK
TorxPlus®
SEE PAGE: 380**

Balldriver® L-Wrench Sets



15

MODEL	DESCRIPTION	ORDER NO.	PRICE EACH
BLX8	8 pc.(.050-5/32)	3188-121	\$11.54
BLX12	12 pc.(7/64-5/16)	3188-123	19.97
BLX13	13 pc.(.050-3/8)	3188-199	25.60
BLX10	10 pc.(1/16-1/4)	3188-122	15.99
BLX7	7 pc.(5/64-3/16)	3188-124	10.85
BLX6M	6 pc.(1.5-5mm)	3188-126	9.48
BLX15	15 pc.(1.27-10mm)	3188-234	34.94
BLX9M	9 pc.(1.5-10mm)	3188-125	20.80
BLX 21	21 pc.(BLX12,BLX9M)	3188-235	38.52
BLX22	22 pc.(BLX13,BLX9M)	3188-227	43.67

Balldriver® L-Wrench Singles



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SIZE (IN.)	PKG. QTY.	ORDER NO.	PRICE EACH
.050	10	3188-085	\$1.33
1/16	10	3188-086	1.33
5/64	10	3188-087	1.33
3/32	10	3188-088	1.39
7/64	10	3188-089	1.55
1/8	10	3188-090	1.62
9/64	10	3188-091	1.62
5/32	10	3188-092	1.68
3/16	10	3188-093	1.96
7/32	5	3188-094	2.35
1/4	5	3188-095	2.72
5/16	5	3188-096	4.29
3/8	5	3188-097	6.01
7/16	5	3188-098	12.49
1/2	5	3188-099	15.99
9/16	5	3188-100	19.57
5/8	5	3188-101	21.86
3/4	5	3188-102	36.16

SIZE (mm)	PKG. QTY.	ORDER NO.	PRICE EACH
1.27	10	3188-103	\$1.33
1.5	10	3188-104	1.33
2.0	10	3188-105	1.33
2.5	10	3188-106	1.43
3.0	10	3188-107	1.59
3.5	10	3188-109	1.66
4.0	10	3188-108	1.68
4.5	10	3188-110	1.94
5.0	10	3188-111	2.15
5.5	10	3188-112	2.50
6.0	10	3188-113	2.88
7.0	10	3188-114	3.90
8.0	5	3188-115	4.59
9.0	5	3188-116	5.51
10	5	3188-117	6.72
11	1	3188-118	12.38
12	1	3188-119	14.84
14	1	3188-120	18.55
17	1	3188-202	29.43
19	1	3188-203	34.89

ProHold® Ballpoint Sets



15

MODEL	DESCRIPTION	ORDER NO.	PRICE EACH
PBLX13	13 pc.(.050-3/8")	3188-315	\$39.56
PBLX9M	9 pc.(1.5-10mm)	3188-318	32.07
PBLX22	22 pc. combination	3188-598	67.37

Stubby L-Wrenches



- Model SBLX13
- Stubby L-Wrenches have smaller inside radius for tight spaces
- Allows for lower clearance
- Balldriver® Tip on long arm for angle entry and fast screw removal

Order No. 3188-337

Price Each \$31.45 ¹⁵

Fractional BriteGuard® & Metric GoldGuard®



- Model BLX22GB
- Quickly identify metric from inch keys
- Fractional sizes are silver BriteGuard® and metric keys have GoldGuard® finish
- Fractional set contains: 13 pcs., .050" to 3/8"
- Metric set contains: 9 pcs., 1.5mm to 10mm
- Double pack sets come in Bondhex® locking tool cases

Order No. 3188-601

Price Each \$65.57 ¹⁵

Extra Long Balldrivers



- Fractional Set Model BLX13XL
- Extra long length for greater reach
- Fractional set contains: 13 pcs., .050" to 3/8"

Order No. 3188-404

Price Each \$30.90

- Metric Set Model BLX9MXL
- Extra long length for greater reach
- Metric set contains: 9 pcs., 1.5mm to 10mm

Order No. 3188-407

Price Each \$24.99 ¹⁵

Double End Balldrivers



- Fractional Set Model SDBLX13XL
- Exclusive MaxTorque™ ball shape delivers 2x the torque of competitor ball end tools; 15° angle
- Fractional set contains: 13 pcs., .050" to 3/8"

Order No. 3188-408

Price Each \$39.18 ¹⁵

- Metric Set Model SDBLX9MXL
- Exclusive MaxTorque™ ball shape delivers 2x the torque of competitor ball end tools; 15° angle
- Metric set contains: 9 pcs., 1.5mm to 10mm

Order No. 3188-409

Price Each \$ 31.73 ¹⁵

Balldrivers® & Fold-Up Sets



Balldriver® T-Handle Sets

- Solid steel handles
- Welded handle/blade connection
- Ergonomic handle design
- Flywheel effect saves time
- Smooth, non-porous handle coating
- Handle coating extends along blade ¹⁵



MODEL	DESCRIPTION	ORDER NO.	PRICE EACH
BTX10	3/32-3/8"	3188-221	\$80.60
BTX60	5/32-3/8"	3188-220	59.77
BTX10/S	3/32-3/8"+Stand	3188-336	85.95
BTX50M	4-10mm	3188-222	51.33
BTX80M	2-10mm	3188-223	66.05
BTX80M/S	2-10mm+Stand	3188-335	71.37



GorillaGrip® Fold-Up Hex Sets

- Handle is 40% stronger than steel handles
- Comfortable to hold, and does not conduct heat or cold
- 90° stop convert the tool into a non-stop, time saving, speed wrench ¹⁵



MODEL	DESCRIPTION	ORDER NO.	PRICE EACH
FHX5	5pc 3/16-3/8"	3188-290	\$14.55
FHX9	9pc 5/64-1/4"	3188-286	10.29
FHX9S	9pc .050-3/16"	3188-285	7.96
FHX7M	2, 2.5, 3, 4, 5, 6, 8mm	3188-288	11.04
FHX6M	3, 4, 5, 6, 8, 10mm	3188-291	15.44
FTX8S	TORX-T6, T7, T8, T9, T10, T15, T20, T25	3188-289	19.91
FTX8	TORX-T9, T10, T15, T20, T25, T27, T30, T40	3188-294	20.38



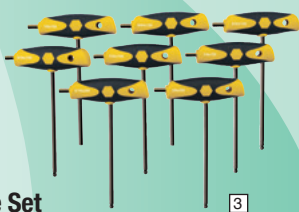
Metal Fold-Up Hex Wrenches



SIZE RANGE	NO. OF PIECES	ORDER NO.	PRICE EACH
5/64" - 1/4"	9	3188-311	\$9.20
1.5 - 6mm	7	3188-313	7.56



8-Pc. Inch SoftGrip Dual Drive Hex T-handle Set



DESCRIPTION	ORDER NO.	PRICE
8 Piece Set	7833-498	\$78.71



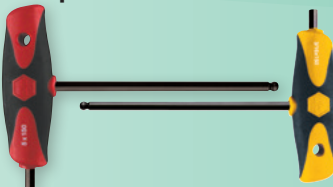
Balldriver® T-Handle Singles



SIZE (IN.)	LENGTH (IN.)	ORDER NO.	PRICE EACH
3/32*	6.1	3188-250	\$5.47
7/64*	6.8	3188-251	5.88
1/8*	7.6	3188-252	6.23
9/64*	8.3	3188-253	6.61
5/32	9.1	3188-254	7.18
3/16	9.8	3188-255	7.57
7/32	10.3	3188-256	8.90
1/4	10.8	3188-257	9.12
5/16	11.4	3188-258	13.97
3/8	11.8	3188-259	15.41
METRIC			
2.0*	5.9	3188-269	\$6.23
2.5*	6.8	3188-270	6.23
3.0*	7.7	3188-271	6.61
4.0	8.7	3188-272	7.56
5.0	9.7	3188-273	8.68
6.0	10.5	3188-274	9.42
8.0	11.2	3188-275	14.19
10.0	12.1	3188-276	15.56

*STRAIGHT HEX END TO PREVENT BREAKAGE

SoftGrip Dual Drive Hex T-handle



SIZE (IN.)	LENGTH (IN.)	ORDER NO.	PRICE EACH
5/64	5.9	7833-418*	\$6.78
3/32	5.9	7833-420*	6.77
7/64	5.9	7833-422*	7.05
1/8	5.9	7833-424*	7.01
9/64	5.9	7833-426*	7.03
5/32	5.9	7833-428	7.04
3/16	5.9	7833-430	7.87
7/32	5.9	7833-432	8.97
1/4	5.9	7833-433	10.36
5/16	7.9	7833-439	12.77
3/8	7.9	7833-440	17.74
METRIC (MM)			
2.0MM	150MM	7833-442*	\$6.78
2.5MM	150MM	7833-444*	6.83
3.0MM	150MM	7833-446*	7.55
4.0MM	150MM	7833-448	8.13
5.0MM	150MM	7833-450	9.75
6.0MM	150MM	7833-452	10.37
8.0MM	200MM	7833-454	15.12
10.0MM	200MM	7833-458	19.86

*No Ball - Standard Hex



8-Pc. Metric SoftGrip Dual Drive Hex T-handle Set



DESCRIPTION	ORDER NO.	PRICE
8 Piece Set In Vinyl Pouch	7833-496	\$83.97
Contains 1 each Hex T-Handle listed above		



ProHold® T-Handle Ballpoint Sets



- Holds screw tight on the tool EVERY TIME
- Button is non-magnetic
- Super smooth rotational action, with no interference from the ProHold® button
- ProHold® button doesn't compromise tool strength
- Solid steel handles
- Welded handle/blade connection ¹⁵

MODEL	DESCRIPTION	ORDER NO.	PRICE EACH
PBTX60	6 pc.(5/32-3/8)	3188-346	\$66.62
PBTX50M	5 pc.(4-10mm)	3188-347	56.96



Balldriver® Screwdriver Sets



- ComfortGrip ergonomically designed handle delivers maximum torque
- Handle shape prevents rolling on surfaces angled up to 15°
- Faster than ball end hex keys in assembly applications

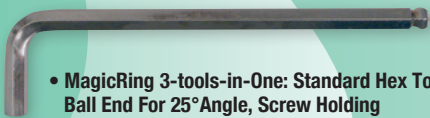
- Fractional set contains: 13 pcs., .050" to 3/8"
- Fractional Set Model BSX13
- Order No. 3188-184 \$76.83 ¹⁵

- Metric set contains: 9 pcs., 1.5mm to 10mm
- Metric Set Model BSX9M
- Order No. 3188-188 \$60.56 ¹⁵

Hex Keys

3

MagicRing Ball End Hex L-Key - Long - Metric



- MagicRing 3-tools-in-One: Standard Hex Tool, Ball End For 25° Angle, Screw Holding
- Spring Steel Compression Ring
- Securely Grips Inner Head Of Screw
- Allows free hand for work positioning

BLADE WIDTH/LENGTH SIZE	BLADE LENGTH (mm)	ORDER NO.	PRICE EACH
1.5*	90	7866-904	\$2.12
2.0*	99	7866-908	2.12
2.5*	111	7866-912	2.14
3.0	125	7866-916	4.88
4.0	138	7866-920	4.60
5.0	158	7866-924	5.22
6.0	178	7866-928	6.18
8.0	198	7866-936	8.70
10.0	221	7866-944	11.24

* Standard Ball - No Ring

22-Pc. Combination MagicRing L-Key Set in ProStar Holder

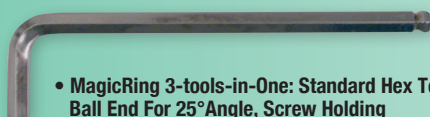


- Blade CVM steel, hardened, hard chromed.

DESCRIPTION	ORDER NO.	PRICE
22 Piece Combination Set Wt. 2.21 lbs. Contains 1 each MagicRing Long Ball End L-Keys: 1.5*, 2.0*, 2.5*, 3.0, 4.0, 5.0, 6.0, 8.0, 10.0mm .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"	7866-992	\$119.97

* Standard Ball - No Ring

MagicRing Ball End Hex L-Key - Long - Fractional



- MagicRing 3-tools-in-One: Standard Hex Tool, Ball End For 25° Angle, Screw Holding
- Spring Steel Compression Ring
- Securely Grips Inner Head Of Screw
- Allows free hand for work positioning

BLADE WIDTH/LENGTH SIZE	BLADE LENGTH (INCH)	ORDER NO.	PRICE EACH
.050*	2.8	7866-945	\$2.06
1/16*	3.1	7866-946	2.05
5/64*	3.5	7866-947	2.07
3/32*	3.9	7866-950	2.06
7/64*	4.3	7866-952	2.48
1/8	4.6	7866-953	4.79
9/64	5.2	7866-955	5.03
5/32	5.7	7866-956	4.80
3/16	6.2	7866-959	5.03
7/32	6.7	7866-962	5.35
1/4	7.3	7866-965	7.50
5/16	8.0	7866-968	8.34
3/8	8.8	7866-971	11.31

* Standard Ball - No Ring

MagicRing Ball End Hex Long L-Key Set in ProStar Holder



DESCRIPTION	ORDER NO.	PRICE
9 Piece Metric Set Wt. .1.07 lbs. Contains 1 each MagicRing Long Ball End L-Keys (mm): 1.5, 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 8.0, 10.0	7866-990	\$55.97
13 Piece Inch Set Wt. 1.14 lbs. Contains 1 each MagicRing Long Ball End L-Keys: .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	7866-991	71.97

* Standard Ball - No Ring

Hex Keys

Fractional- Short Arm

2

BONDHUS						
HEX SIZE (IN)	BULK PER BOX	ORDER NO.	PRICE PER BOX	SM PACK QTY PER BOX	ORDER NO.	PRICE PER BOX
.028	100	3188-436	\$24.00	10	3188-410	\$3.92
.035	100	3188-437	24.00	10	3188-411	3.92
.050	100	3188-438	14.40	10	3188-412	2.88
1/16	100	3188-439	14.40	10	3188-413	2.88
5/64	100	3188-440	17.60	10	3188-414	3.04
3/32	100	3188-441	17.60	10	3188-415	3.04
7/64	100	3188-442	19.20	10	3188-416	3.20
1/8	100	3188-443	19.20	10	3188-417	3.20
9/64	100	3188-444	20.80	10	3188-418	3.60
5/32	100	3188-445	20.80	10	3188-419	3.60
3/16	100	3188-446	28.80	10	3188-420	4.40
7/32	50	3188-447	21.20	5	3188-421	2.88
1/4	50	3188-448	25.60	5	3188-422	3.48
5/16	50	3188-449	42.00	5	3188-423	5.24
3/8	50	3188-450	63.60	5	3188-424	7.72
7/16	50	3188-451	147.20	1	3188-425	3.60
1/2	50	3188-452	173.20	1	3188-426	4.26
9/16	25	3188-453	122.60	1	3188-427	5.84
5/8	20	3188-454	128.64	1	3188-428	7.57
3/4	15	3188-455	155.40	1	3188-429	12.03
7/8	-	-	-	1	3188-430	19.18
1"	-	-	-	1	3188-431	28.13
1-1/4	-	-	-	1	3188-432	80.58
1-1/2	-	-	-	1	3188-433	100.68
1-3/4	-	-	-	1	3188-434	192.41
2"	-	-	-	1	3188-435	258.34

Long Arm

2

BONDHUS						
HEX SIZE (IN)	BULK PER BOX	ORDER NO.	PRICE PER BOX	PACK QTY PER BOX	ORDER NO.	PRICE PER BOX
.028	100	3188-480	\$32.80	10	3188-456	\$5.44
.035	100	3188-481	32.80	10	3188-457	5.44
.050	100	3188-482	19.20	10	3188-458	3.20
1/16	100	3188-483	20.80	10	3188-459	3.68
5/64	100	3188-484	20.80	10	3188-460	3.68
3/32	100	3188-485	20.80	10	3188-461	3.68
7/64	100	3188-486	28.80	10	3188-462	4.40
1/8	100	3188-487	29.60	10	3188-463	4.56
9/64	100	3188-488	29.60	10	3188-464	4.56
5/32	100	3188-489	32.80	10	3188-465	5.12
3/16	100	3188-490	41.60	10	3188-466	5.44
7/32	50	3188-491	32.00	5	3188-467	4.12
1/4	50	3188-492	44.00	5	3188-468	5.60
5/16	50	3188-493	70.00	5	3188-469	8.36
3/8	50	3188-494	104.40	5	3188-470	11.08
7/16	25	3188-495	113.20	1	3188-471	5.13
1/2	25	3188-496	127.20	1	3188-472	5.82
9/16	10	3188-497	65.92	1	3188-473	7.61
5/8	10	3188-498	107.60	1	3188-474	11.95
3/4	5	3188-499	79.12	1	3188-475	17.37
7/8	-	-	-	1	3188-476	29.42
1"	-	-	-	1	3188-477	40.29
1-1/4	-	-	-	1	3188-478	160.16
1-1/2	-	-	-	1	3188-479	255.78



Metric Hex Keys

2

SHORT ARM							LONG ARM						
SIZE	BULK		PRICE	SM PACK		PRICE	BULK		PRICESM PACK		PRICE		
QTY PER	QTY PER	ORDER	PER	QTY PER	ORDER	PER	QTY PER	ORDER	PER	QTY PER	ORDER	PER	
(MM)	BOX	NO.	BOX	BOX	NO.	BOX	BOX	NO.	BOX	BOX	NO.	BOX	
0.7mm	100	3188-527	\$24.00	10	3188-500	\$3.92	100	3188-576	\$32.80	10	3188-550	\$5.44	
0.9mm	100	3188-528	24.00	10	3188-501	3.92	100	3188-577	32.80	10	3188-551	5.44	
1.3mm	100	3188-529	14.40	10	3188-502	2.88	100	3188-578	19.20	10	3188-552	3.20	
1.5mm	100	3188-530	14.40	10	3188-503	2.88	100	3188-579	20.80	10	3188-553	3.68	
2.0mm	100	3188-531	17.60	10	3188-504	3.04	100	3188-580	20.80	10	3188-554	3.68	
2.5mm	100	3188-532	19.20	10	3188-505	3.04	100	3188-581	28.80	10	3188-555	4.40	
3.0mm	100	3188-533	19.20	10	3188-506	3.20	100	3188-582	28.80	10	3188-556	4.40	
3.5mm	100	3188-534	20.80	1	3188-507	0.36	100	3188-583	32.80	1	3188-557	0.51	
4.0mm	100	3188-535	20.80	10	3188-508	3.60	100	3188-584	32.80	10	3188-558	5.12	
4.5mm	100	3188-536	32.80	1	3188-509	0.44	100	3188-585	52.80	1	3188-559	0.76	
5.0mm	100	3188-537	32.80	5	3188-510	2.20	100	3188-586	52.80	5	3188-560	3.80	
5.5mm	50	3188-538	25.60	1	3188-511	0.70	50	3188-587	44.00	1	3188-561	1.10	
6.0mm	50	3188-539	25.60	5	3188-512	3.48	50	3188-588	44.00	5	3188-562	5.52	
7.0mm	50	3188-540	44.00	1	3188-513	1.10	50	3188-589	77.20	1	3188-563	1.78	
8.0mm	50	3188-541	44.00	5	3188-514	5.52	50	3188-590	77.20	5	3188-564	8.92	
9.0mm	50	3188-542	77.20	1	3188-515	1.78	50	3188-591	120.80	1	3188-565	2.82	
10.0mm	50	3188-543	77.20	5	3188-516	8.92	50	3188-592	120.80	5	3188-566	14.12	
11.0mm	50	3188-544	194.80	1	3188-517	4.56	25	3188-593	135.00	1	3188-567	6.06	
12.0mm	50	3188-545	194.80	1	3188-518	4.56	25	3188-594	135.00	1	3188-568	6.06	
14.0mm	25	3188-546	134.40	1	3188-519	6.26	10	3188-595	73.60	1	3188-569	8.06	
17.0mm	20	3188-547	119.04	1	3188-520	6.79	10	3188-596	104.32	1	3188-570	11.51	
19.0mm	15	3188-548	151.92	1	3188-521	11.51	5	3188-597	73.60	1	3188-571	15.99	
22.0mm	-	-	-	1	3188-522	26.85	-	-	-	1	3188-572	30.06	
24.0mm	-	-	-	1	3188-523	33.59	-	-	-	1	3188-573	42.18	
27.0mm	-	-	-	1	3188-524	67.18	-	-	-	-	-	-	
32.0mm	-	-	-	1	3188-525	80.58	-	-	-	1	3188-574	164.79	
36.0mm	-	-	-	1	3188-526	100.68	-	-	-	1	3188-575	268.59	



Straight Hex L-Wrench Sets

15

MODEL	DESCRIPTION	ORDER NO.	PRICE EACH
HLX8	8 pc.(.050-5/32)	3188-319	\$6.65
HLX12	12 pc.(.050-5/16)	3188-231	11.67
HLX13	13 pc.(.050-3/8)	3188-320	14.68
HLX10	10 pc.(1/16-1/4)	3188-321	8.11
HLX7	7 pc.(5/64-3/16)	3188-232	5.85
HLX6M	6 pc.(1.5-5mm)	3188-322	7.01
HLX15M	15 pc.(1.27-10mm)	3188-324	23.49
HLX9M	9 pc.(1.5-10mm)	3188-325	13.94
HLX22	22 pc. Multi Pack (HLX13, HLX9M)	3188-326	27.13

Hammers



Professional Nail Hammers - Full Octagon Hickory



- Full polished head with octagon neck and face
 - Top quality, full octagon white hickory handles
 - Triple wedged and epoxy sealed for "Sure-Lock" handle tightness
- Made in USA STD. PKG.: 4

1

MFG. NO.	LENGTH	HEAD WEIGHT (OZ.)	ORDER NO.	PRICE EACH
D016	13"	16	9543-080	\$25.70
D020	14"	20	9543-085	27.35



Professional Fiberglass Hammers - Full Octagon Curved Claw



- Full polished head with octagon neck and face
 - Patented hollow core fiberglass handle, absorbs shock
 - Steel wedged and epoxy sealed for "Sure-Lock" handle tightness
 - Slip-resistant grip, contoured for comfort
- Made in USA STD. PKG.: 4

1

MFG. NO.	LENGTH	HEAD WT. (OZ.)	ORDER NO.	PRICE EACH
FS16	13"	16	9543-081	\$29.55
FS20	14"	20	9543-086	31.95



Claw Hammers, Hardwood Handle



- Hardened and Tempered
- Drop Forged Alloy Steel Head, Fully Polished
- Epoxy Bonded, Hardwood Handle

3

WEIGHT (OZ.)	DESCRIPTION	ORDER NO.	PRICE EACH
8	claw hammer	7760-014	\$8.69



Claw Hammers, Fiberglass Handle



- Hardened and Tempered
- Drop Forged Alloy Steel Head, Fully Polished
- Epoxy Bonded, Fiberglass Handle

3

WEIGHT (OZ.)	DESCRIPTION	ORDER NO.	PRICE EACH
16	claw hammer	7760-330	\$13.34

Hammers



Ball Pein Hammers — Fiberglass Handle



- Exclusive Hollow Core fiberglass handle improves balance and absorbs shock
- Drop forged heat treated head
- Slip resistant cushioned grip
- Made in USA STD. PKG.: 4

1

MFG. NO.	LENGTH	HEAD WEIGHT (OZ.)	ORDER NO.	PRICE EACH
FS308	12-1/2"	8	9543-124	\$21.15
FS2012	13"	12	9543-125	26.35
FS016	13"	16	9543-126	27.55
FS224	14-1/2"	24	9543-127	30.20
FS432	14-3/4"	32	9543-128	32.25



Ball Pein Hammers — Steel Handle



- Patented "ShockBlok" plug absorbs shock and reduces vibration
- Made in USA STD. PKG.: 4

1

MFG. NO.	LENGTH	HEAD WEIGHT (OZ.)	ORDER NO.	PRICE EACH
R308	11-3/4"	8	9543-119	\$25.10
R2012	12"	12	9543-120	26.05
R016	13-3/4"	16	9543-121	26.95
R224	15-14"	24	9543-122	29.75
R432	15-3/4"	32	9543-123	31.65



Commercial Ball Pein Hammers Hickory Handle



- Drop forged heat treated head
- American hickory handle
- Made in USA STD. PKG.: 4

1

MFG. NO.	LENGTH	HEAD WEIGHT (OZ.)	ORDER NO.	PRICE EACH
TC504	10-1/4"	4	9543-110	\$13.55
TC308	11-3/4"	8	9543-111	14.00
TC2012	12"	12	9543-112	15.35
TC016	13-3/4"	16	9543-113	16.55
TC120	15"	20	9543-114	18.05
TC224	15-1/4"	24	9543-115	20.15
TC432	15-3/4"	32	9543-116	22.60
TC640	16"	40	9543-117	25.95
TC848	16"	48	9543-118	30.55



Ball Pein Hammers Fiberglass Handle



- Forged High Carbon Steel Head, Polished Striking Head & Pein
- Jacketed Fiberglass Handle w/Rubber Grip
- Meets or Exceeds ANSI Standards

3

WEIGHT (OZ.)	DESCRIPTION	ORDER NO.	PRICE EACH
16	—	7761-274	\$18.99
24	—	7761-276	23.91



Blacksmith Hammers — Fiberglass Handle



- Exclusive Hollow Core fiberglass handle improves balance and absorbs shock
- High impact overstrike guard
- Slip resistant cushioned grip
- Drop forged heat treated head
- Made in USA STD. PKG.: 4

1

MFG. NO.	LENGTH	HEAD WEIGHT (LB.)	ORDER NO.	PRICE EACH
S48F	10-3/4"	3	9543-149	\$29.80



Blacksmith Hammers — Hickory Handle



- Drop forged heat treated head
- American hickory handle
- Made in USA STD. PKG.: 4

1

MFG. NO.	LENGTH	HEAD WEIGHT (LB.)	ORDER NO.	PRICE EACH
S40	15-1/2"	2-1/2	9543-146	\$25.75
S48	16"	3	9543-147	27.00



Tinner's Riveting Hammers



- Flat striking face
- Rounded cross pein
- Exclusive Hollow Core fiberglass handle improves balance and absorbs shock
- Made in USA STD. PKG.: 4

1

MFG. NO.	LENGTH	HEAD WEIGHT (OZ.)	ORDER NO.	PRICE EACH
TR16F	12-1/2"	16	9543-131	\$27.55



Welder's Chipping Hammers



- Sharp 1" blade with back bevel
- Tapered point
- Drop forged head
- Flame treated American Hickory handle
- Made in USA

1

MFG. NO.	LENGTH	HEAD WEIGHT (OZ.)	ORDER NO.	PRICE EACH
WC12	11-1/4"	12	9543-132	\$21.55



Scaling Hammers



- Double beveled straight blade for removing scale
- Single beveled cross blade for removing flash
- Drop forged head
- Flame treated American Hickory handle
- Made in USA STD. PKG.: 4

1

MFG. NO.	LENGTH	HEAD WEIGHT (OZ.)	ORDER NO.	PRICE EACH
SC16	12-1/4"	16	9543-133	\$17.15

Hammers



Rubber Mallets



- Drop Forged head provides extra driving power
- Non-marring white and black tips
- American Hickory handle
- Made in USA • STD. PKG.: 4

MFG. NO.	LENGTH	HEAD WEIGHT (OZ.)	ORDER NO.	PRICE EACH
RM24	14"	24	9543-182	\$23.25

1



Split Head Hammers



- Patented head design allows quick face and handle change.
- Malleable iron heads provide uniform clamping.
- Extension collar transfers shock reducing used fatigue.
- Top quality hardwood handles. STD. PKG.: 4 (SH200, SH275: 2)

MFG. NO.	LENGTH	WEIGHT (LB.)	ORDER NO.	PRICE EACH
SH125	11"	1-1/2	9543-340	\$36.95
SH150	12"	2	9543-341	42.85
SH175	12-3/4"	3-1/4	9543-342	50.20
SH200	12-3/4"	4-1/2	9543-343	59.60
SH275	15-3/4"	7-1/2	9543-344	98.20

1



Nylon Face Hammers



- Molded one piece replaceable threaded faces.
- Supplied with two white nylon faces.
- Serrated head helps keep faces tight.
- Top quality hardwood handles.
- STD. PKG.: 4

1

MFG. NO.	LENGTH	HEAD WEIGHT (LB.)	ORDER NO.	PRICE EACH
NT100	10"	1/2	9543-321	\$22.10
NT125	11"	1	9543-322	24.55
NT150	11-1/4"	1-1/2	9543-323	28.35
NT175	12"	2	9543-324	33.60
NT200	13"	2-3/4	9543-325	47.55
NT250	14"	5-1/2	9543-326	64.05



Soft Face Hammers—Plastic Tip



- Forged Steel Head
- Press fitted replaceable tips
- Soft Red/Hard Yellow
- Flame Treated Hickory Handle
- Made in USA • STD. PKG.: 4

1

MFG. NO.	LENGTH	HEAD WEIGHT (OZ.)	ORDER NO.	PRICE EACH
SF6	10-1/2"	6	9543-176	\$18.70
SF12	12-1/2"	12	9543-177	20.80



Rawhide Mallets



- Compressed & seasoned rawhide ideal for non-marring applications
- Extra large striking face
- Hardwood handle
- STD. PKG.: 4 (RM250, RM275: 2)

1

MFG. NO.	LENGTH	APPROX. WEIGHT	ORDER NO.	PRICE EACH
RM100	10"	3 oz.	9543-333	\$18.05
RM125	10"	4 oz.	9543-334	22.05
RM150	10-3/4"	6 oz.	9543-335	30.30
RM175	12"	8 oz.	9543-336	34.35
RM200	12"	12 oz.	9543-337	38.40
RM250	13-1/2"	1-1/4 lbs.	9543-338	54.40
RM275	13-1/2"	1-1/2 lbs.	9543-339	62.75



Rubber Mallets



- Black Rubber Head
- Hardwood Handle

3

WEIGHT (OZ.)	ORDER NO.	PRICE EACH
8	7761-108	\$4.47
16	7761-116	6.30

Hammers



Double Face Hammers — Fiberglass Handle



- Exclusive Hollow Core fiberglass handle improves balance and absorbs shock
- High impact overstrike guard
- Drop forged heat treated head
- Slip resistant cushioned grip
- Made in USA STD. PKG.: 4

1

MFG. NO.	LENGTH	HEAD WEIGHT (LB.)	ORDER NO.	PRICE EACH
SDF48F	15-1/4"	3	9543-153	\$26.55
SDF64F	15-1/2"	4	9543-154	32.45



Double Face Hammers — Hickory Handle



- Drop forged, heat treated head
- American hickory handle
- Made in USA
- STD. PKG.: 4

1

MFG. NO.	LENGTH	HEAD WEIGHT (LB.)	ORDER NO.	PRICE EACH
SDF40	15-1/2"	2-1/2	9543-150	\$25.20
SDF48	16"	3	9543-151	26.85



Hand Drilling Hammers



- 3 lb. Forged Steel Head provides extra driving power for greater impact
- Patented shock absorbing plug ergonomically designed to reduce vibration transfer to user's arm, wrist and elbow
- Cushioned PVC Grip for extra comfort
- Designed for striking star drills, cold chisels, brick chisels and punches.
- Made in USA

1

MFG. NO.	LENGTH	HEAD WEIGHT (LB.)	ORDER NO.	PRICE EACH
RHD3	10-1/4"	3	9543-190	\$35.35



Dead-Blow Hammers, Standard Head



- Shot Filled Canister
- Hot Cast Urethane with Steel Reinforced Handle
- Will not spark or mar surfaces • Resists chipping and splitting

3

OVERALL LENGTH	HEAD DIA.	HEAD WT. (OZ.)	WEIGHT (OZ.)	ORDER NO.	PRICE EACH
10.125"	1.25"	7	13	7569-530	\$45.55
11.250"	1.75"	11	21	7569-531	53.15
12.750"	2"	16	26	7569-532	60.74
14.375"	2.25"	30	45	7569-533	75.93
15.250"	2.75"	38	53	7569-534	95.68



Dead Blow Hammers, Sledge Head One-Piece



3

OVERALL LENGTH	HEAD DIA.	HEAD WT. (OZ.)	WEIGHT (LBS.)	ORDER NO.	PRICE EACH
20"	2.75"	3.65	5.5	7569-550	\$167.07
30"	2.75"	3.65	9	7569-551	194.41
30"	3.25"	6.65	10.5	7569-552	273.40
36"	3.25"	6.65	12	7569-554	303.78

Punches



Center Punch Knurled Body - Round Head



Marking work by indentation for starting drills in metal and other materials.

POINT EDGE	BODY DIA.	OAL	ORDER NO.	PRICE EACH
1/16"	1/4"	3"	3109-104	\$2.54
5/64"	5/16"	4"	3109-105	2.80
3/32"	5/16"	4"	3109-106	2.93
1/8"	5/16"	4"	3109-108	1.57
5/32"	3/8"	4"	3109-110	3.19
3/16"	3/8"	4"	3109-112	1.90
1/4"	7/16"	5"	3109-116	2.20
5 PIECE SET				
1/16", 5/64", 3/32", 1/8", 5/32"				3109-954 \$8.03

Drive Pin Punch 4" Knurled Body



Driving and removing such things as pins and keys after initial movement by a starting punch.

					
POINT EDGE	BODY DIA.	PIN LG'TH	OAL	ORDER NO.	PRICE EACH
1/16"	1/4"	3/4"	4"	3109-134	\$2.34
3/32"	1/4"	3/4"	4"	3109-136	2.34
1/8"	1/4"	7/8"	4"	3109-138	2.34
5/32"	1/4"	7/8"	4"	3109-140	2.34
3/16"	5/16"	1"	4"	3109-142	2.34
7/32"	5/16"	1"	4"	3109-144	2.34
1/4"	3/8"	1"	4"	3109-146	2.34
5/16"	7/16"	1"	4"	3109-150	2.34
8 PIECE SET					
1/16", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 5/16"				3109-956	\$12.12

Drive Pin Punch 8" Knurled Body



Driving and removing such things as pins and keys after initial movement by a starting punch.

					
POINT EDGE	BODY DIA.	PIN LG'TH.	OAL	ORDER NO.	PRICE EACH
1/16"	3/8"	3-1/2"	8"	3109-174	\$2.70
3/32"	3/8"	3-1/2"	8"	3109-176	2.70
1/8"	3/8"	3-1/2"	8"	3109-178	3.71
5/32"	3/8"	3-1/2"	8"	3109-180	2.70
3/16"	1/2"	3-1/2"	8"	3109-182	3.07
1/4"	1/2"	3-1/2"	8"	3109-186	3.07
5/16"	1/2"	3-1/2"	8"	3109-190	3.07
3/8"	1/2"	3-1/2"	8"	3109-194	3.07
SETS					
5 pc.: 1/8", 3/16", 1/4", 5/16", 3/8"				3109-958	\$14.93
8 pc.: (1 of each size)				3109-959	22.28

Center Punches Hex Body



Marking work by indentation for starting drills in metal and other materials.

POINT EDGE	BODY DIA.	OAL	ORDER NO.	PRICE EACH
5/64"	1/4"	3-1/2"	3109-215	\$1.13
1/8"	5/16"	4-1/4"	3109-218	1.90
5/32"	3/8"	5"	3109-220	2.10
1/4"	1/2"	6"	3109-226	2.70
3/8"	5/8"	6-1/4"	3109-234	4.00
5 PIECE SET				
5/64", 1/8", 5/32", 1/4", 3/8"				3109-960 \$12.68

Pin Punches Hex Body



Driving and removing such things as pins and keys after initial movement by a starting punch.

					
POINT EDGE	BODY DIA.	PIN LG'TH	OAL	ORDER NO.	PRICE EACH
1/16"	1/4"	3/4"	4"	3109-254	\$1.30
3/32"	5/16"	1"	4-1/2"	3109-256	1.77
1/8"	5/16"	1"	4-3/4"	3109-258	1.77
5/32"	5/16"	1"	5"	3109-260	1.77
3/16"	3/8"	1-1/8"	5-1/4"	3109-262	2.20
7/32"	3/8"	1-1/4"	5-1/2"	3109-264	2.20
1/4"	3/8"	1-1/4"	5-3/4"	3109-266	2.20
5/16"	7/16"	1-3/8"	6"	3109-270	2.40
7 PIECE SET					
1/16", 3/32", 1/8", 5/32" 3/16", 7/32", 1/4"				3109-962	\$15.67

Pin Punches, Extra Long - Hex Body



Pin punch for use where an extra length is needed.

					
POINT EDGE	BODY DIA.	PIN LG'TH	OAL	ORDER NO.	PRICE EACH
1/8"	5/16"	3-1/2"	8"	3109-308	\$2.03
3/16"	3/8"	3-1/2"	8"	3109-312	2.40
1/4"	3/8"	3-1/2"	8"	3109-316	2.40
5/16"	7/16"	3-1/2"	8"	3109-320	2.70
3/8	1/2"	3-1/2"	8"	3109-324	3.03
5 PIECE SET					
1/8", 3/16", 1/4", 5/16", 3/8"				3109-964	\$13.45

Punches & Chisels



Taper Line Up/Drift Punches Hex Body



Aligning and sizing holes in light gauge metal and other materials.

POINT EDGE	BODY DIA.	TAPER	OAL	ORDER NO.	PRICE EACH
1/8"	5/16"	3-1/2"	8"	3109-338	\$2.03
5/32"	3/8"	4-1/4"	9"	3109-340	3.03
3/16"	1/2"	6-1/2"	10"	3109-342	4.77
7/32"	1/2"	6-1/2"	10"	3109-344	4.77
1/4"	5/8"	7-1/2"	12"	3109-346	6.20
5/16"	3/4"	7-1/2"	12"	3109-350	7.47
3/8"	3/4"	8"	15"	3109-354	9.20
1/2"	7/8"	9-1/2"	18"	3109-362	11.41
7 PIECE SET					
1/8", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8"					3109-951 38.87

Aligning Punch Set 4 Piece - Knurled Body



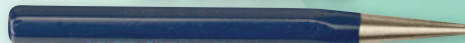
For aligning and sizing holes in light gauge metal and other materials. Pouch included.

Includes sizes:

1/8" tip x 7" OAL, 3/16" tip x 9" OAL
1/4" tip x 10" OAL, 5/16" tip x 12" OAL

Order No. 3109-950 Price Each: \$15.80

Solid/Starter Punches Hex Body



Loosening frozen or tight pins and keys, or knocking out rivets.

POINT EDGE	BODY DIA.	PIN LG'TH.	OAL	ORDER NO.	PRICE EACH
1/16"	3/8"	1-3/4"	5"	3109-374	\$2.03
3/32"	3/8"	1-3/4"	5"	3109-376	2.03
1/8"	3/8"	1-3/4"	5"	3109-378	2.03
5/32"	3/8"	2-1/4"	5"	3109-380	2.03
3/16"	3/8"	2-1/4"	5"	3109-382	2.03
1/4"	3/8"	2-1/8"	5"	3109-386	2.03
5/16"	1/2"	2"	6"	3109-390	2.67
3/8"	5/8"	2-1/4"	6-1/2"	3109-394	3.93
1/2"	5/8"	2-1/2"	7"	3109-398	4.13
6 PIECE SET					
3/32", 1/8", 5/32", 3/16", 1/4", 5/16"					3109-966 13.81

Prick Punches Hex Body



Marking by small indentation along drawn or scribed lines in layout work. Also for piercing holes in light gauge metal and other materials.

POINT EDGE	BODY DIA.	OAL	ORDER NO.	PRICE EACH
5/64"	1/4"	3"	3109-405	\$1.27
5/32"	3/8"	5"	3109-410	2.17
1/4"	1/2"	6"	3109-416	3.03

Automatic Center Punch



Adjustable center punch for light-to-heavy markings. Marking punch force can be regulated by rotating the threaded screw

TAP DIA.	BODY DIA.	OAL	ORDER NO.	PRICE EACH
1/8"	1/2"	5"	3109-952	\$6.03
1/8"	5/8"	5-1/2"	3109-953	7.95

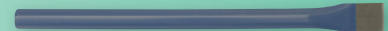
Cold Chisels



Cutting, shaping, and removing metal softer than the cutting edge itself.

CUTTING EDGE	BODY DIA.	OAL	ORDER NO.	PRICE EACH
1/4"	1/4"	5"	3109-604	\$1.27
5/16"	1/4"	5"	3109-605	1.27
3/8"	5/16"	5-1/2"	3109-606	1.57
1/2"	7/16"	6"	3109-608	2.00
5/8"	1/2"	6-1/2"	3109-610	2.57
3/4"	5/8"	7"	3109-612	3.50
7/8"	3/4"	7-1/2"	3109-614	5.17
1"	7/8"	8"	3109-616	6.13
6 PIECE SET				
1/4", 5/16", 3/8", 1/2", 5/8, 3/4"				

Extra Long Cold Chisels



Same outstanding features as Cold Chisels, but with extra long overall size.

CUTTING EDGE	BODY DIA.	OAL	ORDER NO.	PRICE EACH
1/2"	7/16"	12"	3109-638	\$3.23
5/8"	1/2"	12"	3109-640	3.93
3/4"	5/8"	12"	3109-642	5.30
7/8"	3/4"	12"	3109-644	6.53
1"	3/4"	12"	3109-646	7.80
3/4"	5/8"	18"	3109-664	7.17
1"	3/4"	18"	3109-666	10.25

Floor Chisels



Blade is tempered to cut nails. Thin blade allows cutting tongues off floor board and lifting them without marring surface.

POINT EDGE	BODY DIA.	OAL	ORDER NO.	PRICE EACH
2-1/2"	3/4"	9"	3109-682	\$6.83
3"	3/4"	12"	3109-684	10.47

Punches & Chisels



16 Piece - Hex Body Punch & Chisel Kit



- Set Includes:
- Cold Chisels (5): 1/4", 1/2", 5/8", 3/4", 1"
- Punches (11): Prick (1): 5/32", Center (2): 5/32", 1/4"
- Pin (5): 3/32", 1/8", 5/32", 3/16", 1/4"
- Drift (3): 1/8", 5/32", 3/16"

Order No. 3109-700 Price Each \$54.60

14 Piece - Hex Body Punch & Chisel Kit



- Set Includes:
- Cold Chisels (5): 3/8", 1/2", 5/8", 3/4", 7/8"
- Punches (9): Center (2): 5/32", 1/4"
- Line-up (2): 1/8", 5/32"
- Pin (3): 1/16", 1/8", 3/16"
- Solid (2): 5/16", 1/8"

Order No. 3109-705 Price Each \$39.97

26 Piece - Hex Body Punch & Chisel Kit



- Set Includes:
- Plastic pouch
- Cold Chisels (9): 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1 1/2" x 12"
- Punches (17): Prick (1): 3/8"
- Center (3): 5/32", 1/4", 3/8"
- Pin (6): 3/32", 1/8", 5/32", 3/16", 7/32", 1/4"
- Drift (3): 1/8", 3/16", 1/4"
- Starting (4): 1/16", 1/8", 3/16", 1/4"

Order No. 3109-715
Price Each \$72.77

24 Piece - Hex Body - Punch & Chisel Kit



- Set Includes:
- Cold Chisels (7): 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8"
- Punches (17): Center (3): 5/64", 5/32", 1/4"
- Pin (7): 1/16", 3/32", 1/8", 5/32", 3/16", 1/4", 5/16"
- Solid (6): 1/16", 1/8", 5/32", 3/16", 1/4", 5/16"
- Auto Center Punch (1)

Order No. 3109-710 Price Each \$62.20

TruPunch™ Punch & Die Set

FEATURES:

- Nine (9) punch sizes: 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8", 3/4"
- Eight (8) I.D. sizes: 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8"
- Precision Brand TruPunch™ makes perfect, custom washers, shims, and gaskets in seconds
- Eliminates time and material wasted with conventional punch & dies
- The base and punches are made of a hardened and A2 steel
- Exclusive, patented punch, pilot and pin system
- No guess work needed to center the I.D.
- Packaged in a durable plastic case

Order No.: 3238-672 Price Each: \$425.80



- How to use the TruPunch® by PRECISION BRAND:
1. Punch the I.D. hole first
 2. Attach the appropriate I.D. pilot to the O.D. punch
 3. Move the material so the I.D. hole is beneath the O.D. guide
 4. Insert the O.D. punch so that the I.D. pilot moves into the I.D. hole, which should automatically center the material. Make sure the O.D. punch is pushed completely through the plastic top and is touching the material
 5. Strike the punch squarely with enough force to penetrate the material with one blow

"THE BIG" TruPunch™ Punch & Die Set

FEATURES:

- Four (4) punch sizes: 7/8", 1", 1-1/8", 1-1/4"
- Four (4) I.D. pilot sizes: 3/4", 7/8", 1", 1-1/8"
- "THE BIG" TruPunch™ makes perfect, custom washers, shims, and gaskets in seconds, and can accommodate up to 1-1/4" O.D.
- Works in conjunction with PRECISION BRAND's TruPunch® I.D. pilots
- are interchangeable to allow for 77 O.D. and I.D. shim combinations
- Cut brass, copper, aluminum, rubber, and plastic effortlessly up to .020" thick. Cuts steel up to .015" thick.
- Cut stainless and blue tempered shim up to .010" thick

Order No.: 3238-675 Price Each: \$566.16



Punches & Chisels

Transfer Punch Sets



28 Pc. Set:
3/32" thru 1/2"
by 64ths & 17/32

Order No. 3254-000
Price Each: \$29.05



33 Pc. Set:
1/2" thru 1" by 64ths

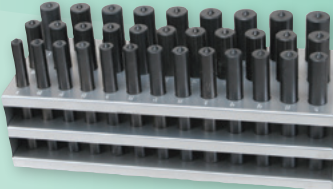
Order No. 3254-001
Price Each: \$165.62

Spellmaco® Transfer Punches



28 Pc. Set

3/32" thru 1/2" by 64ths & 17/32
Order No. 3254-901 Price Each: \$102.60



33 Pc. Set

1/2" thru 1"
Order No. 3254-902 Price Each: \$349.65

Transfer Punches – Individual Sizes

Transfer punches are used to mark the center of an existing hole onto a workpiece below.



SIZE	ORDER NO.	PRICE EACH	SIZE	ORDER NO.	PRICE EACH	SIZE	ORDER NO.	PRICE EACH
1/16	3254-004	\$2.57	27/64	3254-027	\$2.65	25/32	3254-050	\$7.31
5/64	3254-005	2.57	7/16	3254-028	2.65	51/64	3254-051	7.39
3/32	3254-006	1.95	29/64	3254-029	3.30	13/16	3254-052	7.46
7/64	3254-007	1.95	15/32	3254-030	3.30	53/64	3254-053	7.52
1/8	3254-008	1.95	31/64	3254-031	3.30	27/32	3254-054	7.57
9/64	3254-009	1.95	1/2	3254-032	3.30	55/64	3254-055	7.64
5/32	3254-010	1.95	33/64	3254-033	5.03	7/8	3254-056	7.72
11/64	3254-011	1.95	17/32	3254-034	3.30	57/64	3254-057	7.79
3/16	3254-012	1.95	35/64	3254-035	5.70	29/32	3254-058	7.98
13/64	3254-013	1.95	9/16	3254-036	5.98	59/64	3254-059	8.04
7/32	3254-014	1.95	37/64	3254-037	6.05	15/16	3254-060	8.11
15/64	3254-015	1.95	19/32	3254-038	6.11	61/64	3254-061	8.17
1/4	3254-016	1.95	39/64	3254-039	6.17	31/32	3254-062	8.24
17/64	3254-017	2.20	5/8	3254-040	6.24	63/64	3254-063	8.33
9/32	3254-018	2.20	41/64	3254-041	6.30	1	3254-064	8.39
19/64	3254-019	2.20	21/32	3254-042	6.37	1-1/32	3254-066	8.71
5/16	3254-020	2.20	43/64	3254-043	6.44	1-1/16	3254-068	9.06
21/64	3254-021	2.20	11/16	3254-044	6.52	1-3/32	3254-070	10.25
11/32	3254-022	2.20	45/64	3254-045	6.85	1-1/8	3254-072	12.23
23/64	3254-023	2.20	23/32	3254-046	6.92	1-3/16	3254-076	15.17
3/8	3254-024	2.65	47/64	3254-047	6.98	1-1/4	3254-080	18.16
25/64	3254-025	2.65	3/4	3254-048	7.12			
13/32	3254-026	2.65	49/64	3254-049	7.25			

1.0mm thru 13.0 by .5mm
Order No. 3254-903
Price Each: \$148.16



A to Z
Order No. 3254-905
Price Each: \$135.36



No. 1 thru 60
Order No. 3254-904
Price Each: \$168.60



GENERAL® Extra Long Drive Pin Punches

- Made of tool steel, hardened and centerless ground.
- Knurled body is 4-1/2" long and the drive pin section 3-1/2" long.
- For use on work not accessible with shorter punches.
- Set contains five punches, one of each of 1/8, 3/16, 1/4, 5/16, & 3/8, in a vinyl case.
- Conforms to government specifications GGG-P-831E.



MODEL	CAPACITY	ORDER NO.	PRICE
SPC76	1/8", 3/16", 1/4", 5/16", 3/8"	6931-050	\$40.76

GENERAL® Hollow Steel Punches

- For punching holes in leather, rubber, canvas, cardboard, plastic and other materials.
- Made of forged steel with side clearance hole for easy removal of punched material.
- The 1280ST, which consists of six punches, 3/16", 1/4", 5/16", 3/8", 7/16" and 1/2", comes in a plastic roll pouch.



MFG. NO.	ORDER NO.	PRICE
1280ST	6943-896	\$48.29

GENERAL® Steel Automatic Center Punch



- For making lighter markings than Heavy Duty Punch No. 78.
- Black oxide finish inhibits rust.
- All steel 5" body with threaded, replaceable hardener steel point and shaft.
- Body diameter is 1/2".

MODEL	ORDER NO.	PRICE
79	6931-072	\$30.44
79P Replacement point	6931-078	4.44

GENERAL® Pocket Automatic Center Punch



- Punches, marks, scribes and starts nail or screw holes.
- Lightweight aluminum body with replaceable alloy steel point for long wear.
- Adjusts for light or heavy markings.
- Pencil slim design with pocket clip.

MODEL	ORDER NO.	PRICE
87	6931-108	\$20.73
87P Replacement point	6931-110	3.76

GENERAL® Ball Bearing Automatic Center Punch



- Unique ball bearing action.
- Lightweight aluminum body with long wearing alloy steel parts.
- Body diameter 5/8"; overall length 5".
- All steel solid point is replaceable.

MODEL	ORDER NO.	PRICE
77 Automatic Center Punch	6931-062	\$22.40

American Pattern Files

Quality Import

Flat Files



Used primarily by machinists and repair people whenever rapid stock removal is desired. Both sides are double cut.

SIZE	W.	THK.	BASTARD CUT		QUALITY IMPORT SECOND CUT		SMOOTH CUT	
			ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH
4	15/32	5/64	3620-001	\$ 4.95	3620-010	\$ 4.95	3620-020	\$ 6.30
6	5/8	5/32	3620-002	4.95	3620-011	5.40	3620-021	6.30
8	25/32	7/32	3620-003	6.75	3620-012	7.20	3620-022	8.10
10	31/32	1/4	3620-004	9.00	3620-013	9.45	3620-023	10.35
12	1-5/32	9/32	3620-005	13.50	3620-014	14.40	3620-024	15.30
14	1-11/32	5/16	3620-006	17.55	3620-015	18.45	3620-025	19.80
16	-	-	-	-	-	-	3620-026	18.10

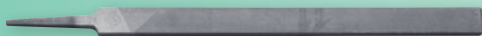
Hand Files



Used primarily for rapid metal removal on sharp corners, shoulders, and flat surfaces. This double cut file is similar to the Flat file without the taper. It offers one safety edge which reduces damage to the workpiece when filing up to a corner. Double cut top and bottom, one edge single cut, one edge is safe.

SIZE	BASTARD CUT		SECOND CUT		SMOOTH CUT	
	ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH
6	3619-061	\$4.95	3619-071	\$5.40	3619-081	\$6.30
8	3619-062	6.75	3619-072	7.20	3619-082	8.10
10	3619-063	8.55	3619-073	9.45	3619-083	10.35
12	3619-064	12.60	3619-074	14.40	3619-084	15.30

Pillar Files



These files are parallel in width and tapered in thickness to make perfectly flat filing possible. Double cut top and bottom- both edges are safe.

SIZE	BASTARD CUT		SECOND CUT		SMOOTH CUT	
	ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH
6	3620-150	\$3.85	-	-	-	-
8	3620-151	5.20	-	-	3620-171	\$6.60
10	3620-152	7.55	3620-162	\$8.40	-	-

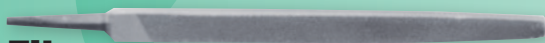
Square Files



For filing slots, keyways & square holes. 4 filing surfaces & slightly tapered to the point.

SIZE	BASTARD CUT		SECOND CUT		SMOOTH CUT	
	ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH
4	3620-060	\$ 5.40	3620-070	\$ 5.85	3620-080	\$ 3.70
6	3620-061	5.85	3620-071	6.30	3620-081	6.30
8	3620-062	6.30	3620-072	6.75	3620-082	7.65
10	3620-063	9.00	3620-073	9.00	3620-083	9.45
12	3620-064	12.60	3620-074	9.15	3620-084	10.55
14	-	-	-	-	3620-085	13.00

Three Square Files



File of choice by machinists when filing angles more acute than 90°, cleaning out corners, and filing taps and cutters. Double cut on all three sides.

LG'TH.	W.	BASTARD CUT		SECOND CUT		SMOOTH CUT	
		ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH
4	-	3620-120	\$ 5.85	3620-130	\$ 6.30	3620-140	\$ 4.75
6	15/32	3620-121	6.30	3620-131	6.75	3620-141	6.75
8	5/8	3620-122	8.10	3620-132	9.00	3620-142	9.00
10	3/4	3620-123	11.25	3620-133	11.70	3620-143	12.60
12	-	3620-124	16.65	3620-134	12.20	3620-144	18.45
14	-	3620-125	14.65	-	-	-	-

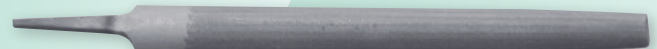
Knife Files



File of choice by tool and die makers for filing keyways, slots, and acute angles. Both sides are double cut, top edge is safe, knife edge is single cut.

SIZE	W.	THK.	BASTARD CUT		QUALITY IMPORT SECOND CUT		SMOOTH CUT	
			ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH
4	15/32	7/64	3620-180	\$ 5.15	3620-190	\$ 5.75	3620-200	\$ 9.00
6	21/32	5/32	3620-181	8.10	3620-191	8.10	3620-201	9.45
8	27/32	3/16	3620-182	9.90	3620-192	9.90	3620-202	11.25
10	1-1/32	1/4	3620-183	13.05	3620-193	13.95	3620-203	14.40

Half Round Files



Popular with foundries and machinists, the half round file is good for quick material removal, while leaving a smooth finish. Used for filing convex, concave, and flat surfaces, as well as rounding out holes. Double cut, both sides.

SIZE	W.	THK.	BASTARD CUT		QUALITY IMPORT SECOND CUT		SMOOTH CUT	
			ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH
4	7/16	1/8	3620-030	\$ 6.75	3620-040	\$ 7.20	3620-050	\$ 8.10
6	19/32	5/32	3620-031	8.10	3620-041	8.55	3620-051	9.00
8	3/4	7/32	3620-032	9.90	3620-042	10.80	3620-052	11.70
10	15/16	9/32	3620-033	13.05	3620-043	15.30	3620-053	15.75
12	1-1/8	11/32	3620-034	19.80	3620-044	21.15	3620-054	22.50
14	1-9/32	13/32	3620-035	24.75	3620-045	17.00	3620-055	19.30
16	-	-	3620-036	20.60	-	-	-	-

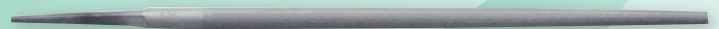
Mill Files



Where a smooth finish is desired, a Mill file is the file of choice. The Mill file has many applications such as sharpening saws and tools, finishing metal, lathe work, draw filing, and general shop use. All sides are single cut.

SIZE	W.	THK.	BASTARD CUT		QUALITY IMPORT SECOND CUT		SMOOTH CUT	
			ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH
4	7/16	5/64	3620-210	\$ 4.50	3620-220	\$ 4.50	3620-230	\$ 5.40
6	19/32	7/64	3620-211	4.50	3620-221	4.95	3620-231	5.85
8	25/32	9/64	3620-212	5.85	3620-222	6.30	3620-232	6.75
10	31/32	11/64	3620-213	7.65	3620-223	8.10	3620-233	9.00
12	1-5/32	7/32	3620-214	10.35	3620-224	10.80	3620-234	11.25
14	1-5/16	1/4	3620-215	13.95	3620-225	9.70	3620-235	16.20

Round Files



When holes need enlarging, and corners need rounding, a round file is the solution. This file tapers, making it adaptable to a variety of hole sizes.

SIZE	DIA.	BASTARD CUT		QUALITY IMPORT SECOND CUT		SMOOTH CUT	
		ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH
4	5/32	3620-090	\$ 4.95	3620-100	\$ 4.95	3620-110	\$ 4.95
6	7/32	3620-091	4.95	3620-101	4.95	3620-111	5.40
8	5/16	3620-092	6.30	3620-102	6.30	3620-112	6.30
10	3/8	3620-093	8.10	3620-103	8.10	3620-113	8.55
12	1/2	3620-094	11.70	3620-104	11.70	3620-114	12.60
14	5/8	3620-095	16.20	-	-	3620-115	11.90
16	-	3620-096	13.30	-	-	-	-

Grobet Swiss Pattern Precision Files



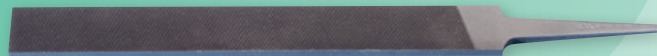
Regular Pillar Files

Parallel in width and tapered in thickness, for perfectly flat filing.
Double cut top and bottom - both edges are safe.

SIZE	WIDTH	THICK- NESS	#0 CUT		#2 CUT	
			ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH
4	3/8	1/8	3619-245	\$ 30.50	3619-255	\$ 33.00
6	1/2	11/64	3619-246	36.00	3619-256	37.50
8	19/32	13/64	3619-247	45.50	3619-257	47.00
10	23/32	15/64	3619-248	62.50	-	-
12	25/32	9/32	3619-249	80.00	-	-

Hand Files

A general purpose file, parallel in width and tapered in thickness. Sides are double cut - single cut one edge, safe on the other edge. No. 4 cut safe on both edges.



SIZE	WIDTH	THICK- NESS	#0 CUT		#2 CUT	
			ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH
4	17/32	1/8	3619-279	\$ 28.50	3619-289	\$ 31.00
6	3/4	5/32	3619-280	33.50	3619-290	36.00
8	29/32	3/16	3619-281	42.00	3619-291	45.00
10	1	1/4	3619-282	57.50	3619-292	62.00
12	1-3/16	5/16	3619-283	49.70	-	-

Half Round Files

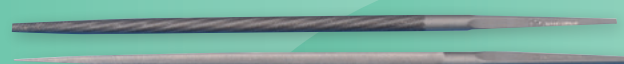
Tapered in width and thickness, coming to a point. Double cut on both sides.



SIZE	WIDTH	THICK- NESS	#0 CUT		#2 CUT	
			ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH
4	15/32	9/64	3619-320	\$ 45.00	3619-332	\$ 50.50
6	19/32	3/16	3619-321	55.00	3619-333	59.00
8	13/16	15/64	3619-322	75.50	3619-334	81.50
10	1	19/64	3619-323	103.50	-	-

Round Files

Gradually tapered and workable to the point. Used where it is necessary to enlarge a hole, or round off a radius. Double cut.



SIZE	DIA. (IN.)	#0 CUT		#2 CUT	
		ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH
4	5/32	3619-362	25.50	3619-372	\$ 26.50
6	1/4	3619-363	26.50	3619-374	31.00
8	5/16	3619-364	35.00	3619-375	42.50

Equalling Files

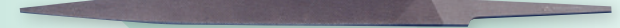
Parallel in width and thickness. Used primarily for filing slots and corners. Double cut top and bottom - both edges are single cut.



SIZE	WIDTH	THICK- NESS	#0 CUT		#2 CUT	
			ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH
4	13/32	5/64	3619-394	\$ 34.50	3619-397	\$ 37.00
6	1/2	7/64	3619-395	40.50	3619-398	44.00
8	21/32	1/8	3619-396	55.50	3619-399	60.00

Warding Files

Parallel in thickness and tapered in width. Useful for removal of burrs. Double cut top and bottom, both edges single cut.



SIZE	WIDTH	THICK- NESS	#0 CUT		#2 CUT	
			ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH
4	23/64	1/32	3619-408	\$ 33.00	3619-412	\$ 35.50
6	1/2	3/64	3619-409	39.00	3619-413	42.00
8	7/8	7/64	-	-	3619-414	37.25

Knife Files

Tapered in width and thickness, with the knife edge having the same thickness from point to shoulder. The included angle of the sharp edge is approx. 10°. Generally used to file in a slot or wedge shaped opening. Curved knife edge allows for easy filing in restricted areas. Both sides double cut, top edge safe, knife edge is single cut.



SIZE	WIDTH	THICK- NESS	#0 CUT		#2 CUT	
			ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH
4	15/32	1/8	-	-	3619-429	\$ 41.50
6	23/32	5/32	3619-424	\$ 45.00	3619-430	49.00
8	7/8	13/64	3619-425	62.50	3619-431	67.00

Three Square Files

Gradually tapered, cut, and workable to the point. Double cut on all three sides.



SIZE	WIDTH	#0 CUT		#2 CUT	
		ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH
4	9/32	3619-439	\$ 31.00	3619-447	\$ 35.00
6	3/8	3619-440	36.50	3619-448	39.00
8	1/2	3619-441	50.00	3619-449	53.50

Square Files

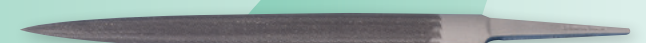
General purpose file, cut and useable to the point. Gradually tapered. Double cut on all four sides.



SIZE	WIDTH	#0 CUT		#2 CUT	
		ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH
4	5/32	-	-	3619-467	\$ 30.50
6	15/64	3619-460	\$ 33.00	3619-468	35.50
8	5/16	-	-	3619-469	49.00

Crossing Files

Half-round on two sides, with one side having a larger radius than the other. Tapered in width and thickness. Cut and useable to the point. Used primarily for filing interior curved surfaces. Double radius makes it possible to file at the junction of two curved surfaces or a straight and curved surface. Double cut on both sides.



SIZE	WIDTH	THICK- NESS	#0 CUT		#2 CUT	
			ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH
6	19/32	3/16	3619-476	\$ 75.50	3619-479	\$ 81.00

Grobet Swiss Pattern Needle Files



Precision files, for exacting work, especially under magnification. Made of highest quality steel, machined and finished for precision shape, accuracy, and balance. With round, knurled handles.

Barrette Files



		#0 CUT		#2 CUT	
OAL	LG'TH. OF CUT	ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH
4	1-3/4	3619-488	\$ 21.15	3619-492	\$ 21.15
5-1/2	2-1/2	3619-489	16.65	3619-493	16.65
6-1/4	3	3619-490	17.55	3619-494	17.55
7-3/4	4-1/8	3619-491	21.60	3619-495	21.60

Crossing Files



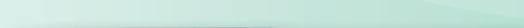
		#0 CUT		#2 CUT	
OAL	LG'TH. OF CUT	ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH
5-1/2	2-1/2	3619-518	\$ 19.35	3619-522	\$ 19.35
6-1/4	3	3619-519	19.80	3619-523	19.80
7-3/4	4-1/8	3619-520	25.65	3619-524	25.65

Equalling Files



		#0 CUT		#2 CUT	
OAL	LG'TH. OF CUT	ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH
4	1-3/4	3619-549	\$ 18.45	3619-553	\$ 18.45
5-1/2	2-1/2	3619-550	15.30	3619-554	15.30
6-1/4	3	3619-551	15.75	3619-555	15.75
7-3/4	4-1/8	3619-552	20.70	3619-556	20.70

Half-Round Files



		#0 CUT		#2 CUT	
OAL	LG'TH. OF CUT	ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH
4	1-3/4	3619-581	\$ 24.30	3619-585	\$ 24.30
5-1/2	2-1/2	3619-582	18.90	3619-586	18.90
6-1/4	3	3619-583	19.80	3619-587	19.80
7-3/4	4-1/8	3619-584	25.65	3619-588	25.65

Joint, Round Edge



		#0 CUT		#2 CUT	
OAL	LG'TH. OF CUT	ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH
5-1/2	2-1/2	3619-630	\$ 18.45	3619-634	\$ 18.45
6-1/4	3	3619-631	19.35	3619-635	19.35

Marking Files



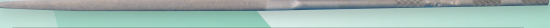
		#0 CUT		#2 CUT	
OAL	LG'TH. OF CUT	ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH
5-1/2	2-1/2	3619-657	\$ 17.10	3619-661	\$ 18.45
6-1/4	3	3619-658	19.35	3619-662	19.35

Knife Files



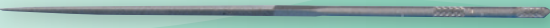
		#0 CUT		#2 CUT	
OAL	LG'TH. OF CUT	ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH
4	1-3/4	3619-705	\$ 23.85	3619-709	\$ 23.85
5-1/2	2-1/2	3619-706	18.90	3619-710	18.90
6-1/4	3	3619-707	20.25	3619-711	20.25
7-3/4	4-1/8	3619-708	24.75	3619-712	24.75

Round Files



		#0 CUT		#2 CUT	
OAL	LG'TH. OF CUT	ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH
4	1-3/4	3619-737	\$ 18.45	3619-741	\$ 18.45
5-1/2	2-1/2	3619-738	15.75	3619-742	15.75
6-1/4	3	3619-739	15.75	3619-743	15.75
7-3/4	4-1/8	3619-740	19.80	3619-744	19.80

Square Files



		#0 CUT		#2 CUT	
OAL	LG'TH. OF CUT	ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH
4	1-3/4	3619-770	\$ 20.70	3619-774	\$ 20.70
5-1/2	2-1/2	3619-771	16.65	3619-775	16.65
6-1/4	3	3619-772	17.55	3619-776	17.55
7-3/4	4-1/8	3619-773	21.60	3619-777	21.60

Slitting Files



		#0 CUT		#2 CUT	
OAL	LG'TH. OF CUT	ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH
5-1/2	2-1/2	3619-799	\$ 18.45	3619-803	\$ 18.45
6-1/4	3	3619-800	12.90	3619-804	20.25

12-pc. Swiss Pattern Grobet Needle File Sets

Each set consists of one each: Barrette, Crossing, Equalling, Half-Round, Joint Round Edge, Knife, Marking, Round, Slitting, Square, Three-square, and Warding.



		#0 CUT		#2 CUT	
FILE	LG'TH.	ORDER NO.	PRICE EACH	ORDER NO.	PRICE EACH
5-1/2		3619-688	\$ 208.15	3619-696	\$ 208.25
6-1/4		3619-689	223.45	3619-697	221.20



6-pc. Swiss Pattern Needle File Set

Set Consists of one each: Warding (Flat), Square, Round, Half-Round, Three-Square, Equalling (Mill)

- A basic set of General Purpose Files to meet the needs of craftspeople, tool and die makers, hobbyists and jewelers.
- Set includes 6 different files. All measure 5-1/2" (138mm) long with 1/8" (3mm) dia. shanks.
- Constructed of high quality Chromium Alloy Steel.
- All files are 2-1/2" (63mm) long, #2 Single Cut Swiss Pattern.
- Knurled handle file can be used without handle assembly.
- Precision locking screw chuck holds files securely in place.
- Precision engineered 700 Series Versa-Grip™ handle for maximum performance.



MODEL	LENGTH	FILES IN SET	ORDER NO.	PRICE
707476	5-1/2"	6	6970-746	\$18.36

File Handles and Accessories

Long Ferrule File Handles

Waxed white birch handles.

Bright Zinc Plated, heavy steel ferrule. Packed 3 dozen per box.



SIZE	LENGTH	DIAM.	BORE	DEPTH	ORDER NO.	PRICE EACH
#1 (for 3" to 6" files)	4"	1"	1/8" x 1-3/4"		9610-001	\$2.73
#2 (for 6" to 8" files)	4-1/2"	1-3/16"	11/64" x 2"		9610-002	3.02
#3 (for 8" to 12" files)	5"	1-5/16"	1/4" x 2-3/4"		9610-003	3.57
#4 (for 12" to 16" files)	5-1/2"	1-7/16"	5/16" x 2-9/16"		9610-004	3.95
#5 (for 16" to 20" files)	6"	1-9/16"	11/32" x 2-9/16"		9610-005	4.35

1

Short Ferrule File Handles



Waxed white birch handles. Packed 3 dozen per box.

1

SIZE	LENGTH	DIAM.	BORE	DEPTH	ORDER NO.	PRICE EACH
#00 (for small files)	3-1/2"	13/16"	1/8" x 1-1/4"		9610-100	\$1.50
#01 (for 3" to 4" files)	3-1/2"	13/16"	5/32" x 1-1/4"		9610-101	1.53
#02 (for 4" to 6" files)	4"	15/16"	3/16" x 1-5/8"		9610-102	1.53
#03 (for 6" to 8" files)	4-1/4"	1-3/64"	7/32" x 2"		9610-103	1.53
#04 (for 8" to 10" files)	4-3/4"	1-1/8"	9/32" x 2-1/4"		9610-104	1.78
#05 (for 10" to 14" files)	5"	1-1/4"	3/8" x 2-1/2"		9610-105	2.00

SKROO-ZON® File Handles



SIZE	LENGTH	DIAM.	ORDER NO.	PRICE EACH
#T1 (for small files)	3-1/2"	1-1/16"	9610-201	\$2.92
#T2 (for 4" files)	3-1/2"	1-1/16"	9610-202	3.03
#T3 (for 5" files)	4"	1-1/8"	9610-203	3.13
#T4 (for 6" files)	4"	1-1/8"	9610-204	3.20
#T5 (for 8" files)	4-1/2"	1-1/4"	9610-205	3.68
#T6 (for 10" files)	4-1/2"	1-1/4"	9610-206	3.77
#T7 (for 12" files)	5"	1-3/8"	9610-207	4.67
#T8 (for 14" files)	5"	1-3/8"	9610-208	4.73
#T9 Rasp handle	5"	1-3/8"	9610-209	4.73

1

Waxed white birch handles. Ferrules heavy gauge steel bright zinc plated.

Case hardened threaded steel insert holds tang of file tightly in two places.

Packed 3 dozen per box.

Adjustable File/ Tool Handle



- For holding files, reamers, hacksaw blades and other tang handled tools.
- Exclusive steel parallel clamping jaws grip the entire length of the inserted tang to prevent slipping.
- Large, quick adjusting knurled knob ensures positive locking.
- Rustproof handle with steel parts.



8

MFG. NO.	ORDER EACH	PRICE EACH
890	6943-666	\$8.76

No. 10 Lutz File Cleaner



Sharp steel bristles dig and quickly remove filings from grooves of files to restore their clean cutting capacity. For machinists, mechanics and others in cutting, cleaning and roughing applications. 8" long. Packed one dozen per box.

1

ORDER NO.	PRICE EACH
9620-010	\$8.75

No. 20 Combination File Card and Brush Combo



File Card same as No. 10 . Brush side used especially to remove filings on finer cut files. Also, to brush clean saws, drill bits and in other areas where hand brush is needed. 9" long. Packed one dozen per box.

1

ORDER NO.	PRICE EACH
9620-020	\$17.47

WALTON

Ergonomic File Handles

- Designed to align with the natural wrist angle, approx. 35°
- Constructed so the tool's axis is better aligned with the forearm, significantly reducing muscle fatigue.
- Grooved surface provides a perfect non-slip grip
- Protect workers, while making them more comfortable and efficient.



6

FITS SIZE	ORDER EACH	PRICE EACH
4"	3154-411	\$18.35
10-12"	3154-413	18.35
GRIP (replacement)	3153-721	5.65

Snap-on

Industrial File Handles

- Ergonomically shaped bi-molded plastic handle provides soft, textured grip.



9484 series

9485/9486 series

2

LENGTH (IN.)	FILE TYPES	SERIES	ORDER NO.	PRICE EACH
4	Half Round	9484	3640-251	\$6.25
6	Mill, Square, 3 Square, Round	9486	3640-255	8.63
6	Flat, Half Round	9486	3640-256	8.80
8	Square, Round	9486	3640-256	8.80
12	Hand, Flat, Mill, Half Round	9485	3640-254	8.63

Knives and Blades

No. 82 Safety Nose Retractable Blade Knife

Retractable utility knife, heavy duty industrial quality with zinc retractor for smoother operation, with 3 cutting positions. Knife is available in Black, Safety Orange or Construction Yellow. Knife is designed to fit the hand for a more comfortable grip and is equipped with a safety nose consisting of top and bottom overlap for security. Uses heavy duty .025 blade. Packed 1 dozen per box. Available carded.



ORDER NO.	PRICE EACH
9630-082-Black	\$5.83
9630-182-Orange	5.83
9630-282-Yellow	5.83

Standard & Heavy Duty Utility Knife Blade

CAT. NO.	THICK-NESS	PACK	ORDER NO.	PRICE PER PK.
L91	.018	5	9600-091	\$0.62
L92	.025	5	9600-092	0.95
L92	.025	100 (20-5's)	9630-092	18.90
L92D	.025	100/dispenser	9631-092	21.18
L92C	.025	50 (5/card, 10 cards)	9630-192	11.63
L92B	.025	400	9631-192	56.67

1



Carded, Wrapped, Bulk, Dispenser

Small & Large Heavy Duty Utility Hook Blade

CAT. NO.	THICK-NESS	PACK	ORDER NO.	PRICE PER PK.
L92HS	.025	5	9600-892	\$ 1.94
L92HSC	.025	50 (5/card, 10 cards)	9630-894	28.18
L92HL	.025	5	9601-392	2.65
L92HL	.025	100 (20-5's)	9631-392	53.03

1



Carded & Wrapped

Precision Hobby Knives

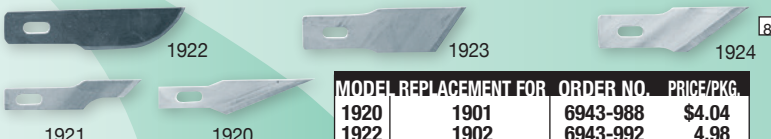


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MODEL	HANDLE CONSTRUCTION	KNIFE WEIGHT	ORDER NO.	PRICE
1901	Aluminum	Light duty	6943-974	\$4.22
1903	Aluminum	Heavy duty	6943-978	7.69

Hobby Knife Blades



MODEL	REPLACEMENT FOR	ORDER NO.	PRICE/PKG.
1920	1901	6943-988	\$4.04
1922	1902	6943-992	4.98



8

IRWIN

ProTouch® Retractable Utility Knife



- Quick change mechanism allows for easy blade removal without opening the knife
- Smooth, three-position slide provides increased durability for frequent use
- Easy tool-free entry with push button operation opens the knife and exposes replacement blades
- Features inside storage for up to 5 blades
- Includes 3 IRWIN BLUE BLADE™ Bi-Metal Utility Blades

Order No. 3255-410...Price Each: \$17.24 2

Standard Retractable Utility Knife



- Optimized cutting angle for reduced fatigue
- Slide Assembly Durable 3 Position Design
- Magnetic Nose For Easy Blade Changes
- Captured Screw Prevents Loss During Blade Change
- Features inside storage for up to 5 blades
- Includes 1 IRWIN BLUE BLADE™ Blade, Lasts 3X Longer, Shatter Proof Bi-Metal

Order No. 3255-412...Price Each: \$5.71 2

Safety Knife & Bi-Metal Safety Blades



- Self-retracting spring action returns blade safely into the housing when not in use
- Ergonomic grip fits comfortably in the hand
- Two blade positions - 2mm extension for box cutting and full extension for general use • Tool-free entry

Safety Knife

Order No. 3255-415 Price Each: \$9.01

Safety blade: Blunted ends inhibit puncture wounds

DESCRIPTION	QTY.	ORDER NO.	PRICE PER PK.
Bi-Metal Safety Blades	5 pack	3255-430	\$2.68
	50 pack	3255-433	16.98

2

Blue Blade - Bi-Metal Utility Blade



- Features patented Bi-Metal technology that sets new standards of performance
- UNBREAKABLE*: Spring steel body delivers superior flexibility to prevent breaking (*under normal working conditions)
- LASTS LONGER*: High speed steel cutting edge stays sharp longer than traditional carbon utility blades (*tested on 20lb recycled paper)
- Fits most utility knives

QTY.	ORDER NO.	PRICE EACH
5 pack	3255-420	\$2.42
100 pack	3255-425	36.59

Deburring Tools

2

SHAVIV® "B" Set w/Telescopic Holder



- Takes all "B" series blades, includes (1) B-10 blade, (1) B-20 blade.
- Holder telescopes from 1/2" to 5".
- Handle has storage compartment for spare blades.
- Blade can be inserted at 90° for deburring cross holes.

DESCRIPTION	ORDER NO.	PRICE EACH
Complete "B" Set	3259-020	\$12.89
Handle Only	3259-030	4.29
B Holder Only	3255-102	5.73

Double-Header Versa/Burr

CLOSEOUT!



- Includes handle, one B-10 blade, one B-20 blade and a Double-Header telescoping blade (B/E) reversible holder

DESCRIPTION	ORDER NO.	PRICE EACH
Complete Double-Header Versa/Burr	3255-015	\$8.60
Versa/Burr Handle Only	3255-186	4.60
B/E Holder Only	3255-185	5.80

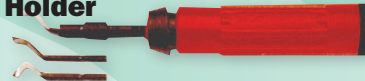
SHAVIV® Set B Aluminum "The Workhorse"



- Popular set for holes, slots, & edges.
- B holder supports all B blades
- Blades can be inserted axially or perpendicular to holder

DESCRIPTION	ORDER NO.	PRICE EACH
Aluminum handle, B Holder B10, B20 blades	3259-021	\$16.47

SHAVIV® Heavy Duty "E" Set w/Telescopic Holder



- Holder telescopes from 1/2" to 5".
- Handle has storage compartment for spare blades.
- Includes one E-100 blade, one E-200 blade & one E-300 blade.

DESCRIPTION	ORDER NO.	PRICE EACH
Complete "E" Set	3259-022	\$15.04
Handle Only	3259-030	4.29
E Holder Only	3255-105	5.73

SHAVIV® Non-Telescopic Sets



3259-023 - Shaviv® Set 1 - The Original Deburring Tool

- Holds all "E" series blades • Contains E100, E200, E300 blades, Shaviv-1 handle

3259-024 - Shaviv® Set 1-5 • Set 1, + 2 extra "E" series blades (E111, E120)

DESCRIPTION	ORDER NO.	PRICE EACH
Plastic handle complete w/3 blades	3259-023	\$11.46
Plastic handle complete w/5 blades	3259-024	11.59
Shaviv-1 handle only	3259-029	7.88

SHAVIV® Set E Aluminum Heavy DeBurr



- Rugged deburring set for heavy-duty deburring of holes, slots, & edges.
- E holder supports all E blades

DESCRIPTION	ORDER NO.	PRICE EACH
Aluminum handle, E Holder E100, E200, E300 blades	3259-141	\$19.34

SHAVIV® Rainbow Series: GLO-BURR "B"



- Popular, easy-to-grip deburring tool, strong, lightweight
- Supplied with B10 blade, holds other popular B blades
- Deburrs Steel, Aluminum, Copper, and Plastics

DESCRIPTION	ORDER NO.	PRICE EACH
GLO-BURR "B" Blue	3259-072	\$3.58
GLO-BURR "B" Yellow	3259-075	3.58
GLO-BURR "B" Green	3259-073	3.58
GLO-BURR "B" Red	3259-074	3.58

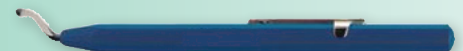
SHAVIV® Rainbow Series: GLO-BURR "E"



- Popular, easy-to-grip deburring tool, strong, lightweight
- Supplied with heavy-duty E100 blade, holds all E blades
- Deburrs Steel, Aluminum, Copper, and Plastics

DESCRIPTION	ORDER NO.	PRICE EACH
GLO-BURR "E" Blue	3259-077	\$3.58
GLO-BURR "E" Yellow	3259-080	3.58
GLO-BURR "E" Green	3259-078	3.58
GLO-BURR "E" Red	3259-079	3.58

SHAVIV® UNIBURR™ Disposable Deburring Tool



- Low-priced yet can handle almost every deburring job.
- Choice of E100 or B10 blade, blue handle, & handy pocket clip.
- For removing burrs from steel and aluminum.

DESCRIPTION	ORDER NO.	PRICE EACH
UB1 with E100 blade (blue)	3259-005	\$4.36
UB2 with B10 blade (blue)	3259-000	3.62

GENERAL Swivel Head Deburring Tool



- Economically priced, with the quality and performance of higher priced deburring tools.
- (2) interchangeable blades, 5" aluminum handle w/push button blade release.

MODEL		ORDER NO.	PRICE
482	Tool with 2 blades	6942-324	\$14.16
482A	Blade for steel, copper aluminum, and plastic	6942-327	3.11
482B	Blade for Brass and cast iron	6942-330	3.00

Pittsburg® ALLEGHANY Scraper & Burring Tool



- Economical. • Sure Grip handle.
- Comes with Double End Straight Blade.

DESCRIPTION	ORDER NO.	PRICE EACH
Disposable Tool	3255-013	\$6.25
Replacement Blade	3255-009	1.85

Mango II Set B “The Workhorse” Telescoping Holder



- Popular set for holes, slots, & edges.
- Supports all B series blades
- Blades can be inserted axially or perpendicular to holder

DESCRIPTION	ORDER NO.	PRICE EACH
Mango II handle, B Holder B10, B20 blades	3259-025	\$13.97

Mango II Set E “Heavy DeBurr” Telescoping Holder



- Rugged deburring set for heavy-duty deburring of holes, slots, and edges

DESCRIPTION	ORDER NO.	PRICE EACH
Mango II handle, E Holder E100, E200, E300 blades	3259-026	\$16.12

Mango IIE +3, +5 Sets Non-Telescoping Holder



- Sets contain the Mango IIE handle, and a variety of blades for deburring materials with spiral chips

Features:

- Permanent adapters for simple blade replacement
- Comfortable, ergonomic handle for standard-sized hands
- Deburrs steel, aluminum, copper, brass, cast iron, plastics

DESCRIPTION	ORDER NO.	PRICE EACH
Mango IIE handle, E200, E350, E100	3259-027	\$9.53
Mango IIE handle, E200, E350, E100 E111, E120 blades	3259-028	12.17

Mango II Set C “The Scraper”



- Features triangular blade with 3 cutting edges for high quality finishing and scraping.
- Telescopic blade holder gets into hard-to-reach areas.
- Includes key for safe removal of blades.

DESCRIPTION	ORDER NO.	PRICE EACH
Mango II handle, C holder, C42 blade	3259-142	\$20.74

Mango II Set F “The Countersink”



- Powerful tool, excellent for chamfering and countersinking.
- Use for hole-edge applications with up to 0.79” (20mm) dia.

DESCRIPTION	ORDER NO.	PRICE EACH
Mango II handle, F Holder F20 blade	3259-143	\$30.97

Mango II Set Burr-Bi “Heavy-Duty Sheet Cleaner”



- For heavy-duty deburring of materials with double or straight edges up to 0.56” (14mm).
- Holder can take 2 R10, R20, or R30 blades for arc shaped finishes on workpieces up to 0.63” (16mm) thick.

DESCRIPTION	ORDER NO.	PRICE EACH
Mango II handle, BR holder, R10 blades, BR key	3259-144	\$22.95

Deburring & Scraping Kit Standard Duty

- Set contains the Mango II handle, Holder B, Holder C, C Key, Blades: B10, B20, B30, B60, B11, B70, C40

Order No. 3259-145...Price Each: \$42.33



Deburring & Scraping Kit Heavy Duty

- Set contains the Mango II handle, Holder E, Holder C, C Key, Blades: C42, E100P, E111, E200, E300, E600, E700

Order No. 3259-146...Price Each: \$44.32



Replacement Blades

Standard Duty "B" Series Blades,"C" Series Scrapers

MODEL	DESCRIPTION	ORDER NO.	PRICE EA.
	B10 HSS for steel and aluminum	3255-110	\$1.07
	B10B Bulk package (100)	3255-110B	97.00
	B10C Solid carbide for hardened steel	3259-100	7.16
	B10P PVD TiN coated, highly wear-resistant	3259-103	2.21
	B10S Cobalt-enriched, long-lasting	3259-105	1.20
	Extra thin, HSS. Deburrs holes with min. diameter .08" (2mm)	3259-106	1.15
	B20 HSS for brass & cast iron; rotates clockwise & counterclockwise	3255-111	1.07
	B20C Solid carbide for hardened steel	3259-109	7.16
	B20P PVD TiN coated, wear-resnt.	3259-110	2.21
	HSS; removes internal and external burrs simultaneously from holes drilled into tubing and sheet metal	3255-112	1.58
	Carbide-tipped scribe, can be reground	3255-113	5.37
	HSS; for internal deburring, especially for inaccessible locations	3255-114	2.16
	Small, 0.16" (4mm), triangular HSS scraper for precision work	3255-116	7.36
	Standard size, 0.31" (8mm) triangular HSS scraper	3255-117	12.52
	Double-sided, 0.30" (7.8mm) triangular scraper	3259-151	29.45

Replacement Holders

MODEL	DESCRIPTION	ORDER NO.	PRICE
	Blade Holder B for all B blades. Use axially or perpendicular.	3255-102	\$5.73
	Blade Holder E for all E blades.	3255-105	\$5.73
	Blade Holder C for C40 & C42 blades.	3255-103	5.73
	Blade Holder F for all F blades.	3255-106	5.73
	Blade Holder FR: Ratchet holder for all F blades.	3259-050	14.07

Replacement Handles

mango®

MODEL	DESCRIPTION	ORDER NO.	PRICE EA.
	Mango II Handle Long Reach	3259-152	\$5.37
	Mango II Handle B Extra Close	3259-153	5.37
	Mango II Handle E Extra Close	3259-154	5.37
	Mango Click E	3259-155	6.44

Heavy Duty "E" Series Blades

MODEL	DESCRIPTION	ORDER NO.	PRICE EA.
	E100 HSS for steel & aluminum	3255-120	\$1.44
	E100B Bulk package (100)	3255-120B	128.00
	E100C Wear-resistant carbide	3259-117	7.16
	E100P PVD TiN coated	3259-120	2.94
	E100S Long-lasting, cobalt enriched	3259-121	1.65
	E110 For material w/spiral chips	3259-122	1.58
	E111 Thin-nosed, HSS	3259-124	1.58
	E120 E shaft with B-20 cutting edge; rotates counter/clockwise	3259-140	1.58
	E200 HSS for brass and cast iron	3255-121	1.44
	E200C Wear-resistant carbide	3259-125	7.16
	E200P PVD TiN coated	3259-126	2.94
	HSS; removes internal/ external burrs simultaneously from holes drilled into tubing & sheet metal	3255-122	1.80
	HSS for straight edges/all materials	3255-123	1.44
	HSS to facilitate deburring in the most inaccessible locations	3255-124	2.87

"F" Series Countersinks, "R" Series Round Blade

MODEL	DESCRIPTION	ORDER NO.	PRICE EA.
	F12 Countersink for hole edges with up to 0.47" (12mm) dia.	3255-125	\$13.99
	F20 Countersink for hole edges with up to 0.78" (20mm) dia.	3255-126	19.14
	F30 Countersink for hole edges with up to 1.18" (30mm) dia.	3255-127	33.13
	F26X Excellent for internal chamfering of pipes, tubes with up to 1.02" (26mm) dia.	3255-128	26.50
"R" Series Round Deburring Blade			
	R10 Double sided, round HSS blade. "A" side deburrs materials with spiral chips, B side with powdery chips.	3259-083	5.01

Replacement Handles - Standard

MODEL	DESCRIPTION	ORDER NO.	PRICE
	Classic Handle A	3259-030	\$4.29
	Handle A Aluminum	3259-031	8.60
	Handle 1	3259-029	7.88
	HandyChuck Pin Vise	3259-070	25.07

Machinery's Handbook ¹

Useful, practical, easy-to-read data and information- often hard to find elsewhere - are its trademark and are made readily available to answer questions and help solve problems sure to arise in the drafting room, manufacturing plant, machine shop, laboratory or classroom. Its wealth of engineering and shop standards, illustrations, formulas and easy-to-read graphs and tables have all been retained in this new edition.

Toolbox Size - 4.625" x 7"

Large Print - 7" x 10"

Order No. 3258-000 Price Each \$105.00 Order No. 3258-001 Price Each \$125.00



Swivel Head Pin Vise



- An exceptional pin vise for delicate work on models, instruments, and jewelry.
- Single collet made of hardened tool steel.
- Has large free wheeling swivel head.
- 4" overall and 5/16" diameter body.
- Comes with 3 drills No. sizes 66, 70, 72 that store in body.

⁸

MODEL	CAPACITY	ORDER NO.	PRICE
92	.10 to .125" .0 to 3.2mm	6941-062	\$13.13

Double End Pin Vise



- Each end has a double end collet which may be reversed to desired size.
- Nickel plated body is made of tubing to permit use of long wire or rods.
- 3-3/4" long with 5/16" body diameter.

⁸

MODEL	CAPACITY	ORDER NO.	PRICE
90	.0 to .125" .0 to 3.2mm	6941-058	\$17.00

Adjustable Pin Vise



²

- 0-1/4" Capacity
- 3 Jaw Steel screw Chuck
- Unbreakable Plastic Handle
- Ideal for holding small drills, burs, wires, reamers and other miniature tools

Order No. 3131-750
Price Each: \$6.20

4-in-1 Pin Vise



⁸

- Contains 2 double ended collets:
0 - 0.031" and 0.093" - 0.125"
0.031" - 0.062" and 0.062" - 0.093"

- Internal storage under cap for spare collet.

- Has large, freewheeling hex shaped swivel head that prevents rolling.

MFG. NO.	ORDER NO.	PRICE EACH
75801	6975-973	\$21.20



TESA
TECHNOLOGY

wood brown & sharpe

Pin Chucks



⁷

- A convenient means of holding small work on lathes and other machines.
- Set consists of a chuck and three collets to hold work from .010" to .100" diameter.

DESCRIPTION	B&S NUMBER	ORDERING NUMBER	PRICE EACH
Pin Chuck Set	599-793	7146-480	\$69.00

Adapter Pin Chuck Set

- For use with miniature drills
- Lock this adapter in chuck to convert it for precise drilling
- Also adapts 3/32" collets on rotary tools & flexible shafts to a for useful No. 0 to 3/32



Order No. 3131-740

Price Each\$9.69 ²

Adjustable Pin Vise



- Use for electronic assembling, tool-making, model making and hobbies.
- Holds small drills, burs, wires, files, reamers and other small tools.
- 3 jaw hardened steel keyless chuck, sturdy plastic handle.
- Overall length 6-7/8"; body diameter 1".

MODEL	CAPACITY	ORDER NO.	PRICE
93	.040 to .250" 1mm to 6.4mm	6941-065	\$16.82

⁸

4-Piece Pin Vise Set



- Capacity: 0-1.0mm; 0.8-1.5mm; 1.3-3.1mm & 3.0-4.8mm
- Heavy knurled bodies with a black finish
- Collet grips firmly when screw chuck is tightened
- Attractive plastic pouch included

²

Order No. 3131-745

Price Each...\$9.95

Single End Pin Vise Set



⁸

- For holding small rods, wire, drills, taps, and other small tools.
- Tool steel collets are hardened and grip firmly when screw chuck is tightened.
- Nickel plated body is hollow to permit holding of long rods of wire.
- Available in individual sizes.
- Conforms to government specifications GGG-V-412a.

MODEL	RANGE	ORDER NO.	PRICE
S94	Set or 4 sizes, A-D, listed below, packed in a plastic case 0 to .055" (0 to 1.40mm) .025 to .075" (64 to 1.01mm) .045 to .125" (1.14 to 3.2mm) .110 to .187" (2.80 to 4.75mm)	6941-068	\$71.60

Shop Tools

GENERAL®

3

Pocket Scribers

- Replaceable hardened and centerless ground point.
- Point reverses into knurled body for safety.
- Body diameter 3/8".
- Conforms to government specifications GGG-S-131e.



Model 81



Model 83

MODEL	BODY DIA.	BLADE LENGTH	OVERALL LENGTH	ORDER NO.	PRICE
81	3/8"	2-7/8"	5-7/8"	6931-092	\$7.02
81P	3/8"	2-7/8"	5-7/8"	6931-094	1.31
83	1/4"	2-3/8"	4-3/4"	6931-098	5.89

Tungsten Carbide Scriber & Magnet 3-Piece Probe Set

- Tungsten carbide tip marks hard materials including hardened steel, ceramics, and glass.
- 88CM features Alinco permanent magnet picks up small parts and retrieves steel chips from hard to reach places.
- Scriber point reverses for safety.
- Replacement Point No. 88P.
- Overall length 6".

MODEL	DESCRIPTION	ORDER NO.	PRICE
88	Scriber	6931-112	\$8.02
88CM	Scriber & Magnet	6931-116	9.84
88P	Repl. Point	6931-114	4.53

- For probing, cleaning, picking or marking small work surfaces.
- Three heat-treated, high carbon steel point configurations: 45 degree, double bend, and hook bend.
- Extra long aluminum knurled body.
- Hex head prevents rolling.
- Overall length 6-1/2".



MODEL	ORDER NO.	PRICE
862	6924-500	\$12.53

3 Piece Marking Tool Set



- Used for marking, etching, or engraving metal, glass, plastics and ceramics.
- Set includes: one Multi-Purpose Handle assembly; one Steel Awl (For marking and piercing); one Tungsten Carbide Scribe (For etching hard materials) and one Steel Scribe (For marking soft materials).
- Close tolerance locking screw chuck holds steel point securely in place.
- Ergonomically designed handle with contoured head allows for greater control and comfort.
- Eight sided cushion grip has a non-slip finish. Internal storage under cap for extra tips.

MFG. NO.	ORDER NO.	PRICE EACH
707088	6970-708	\$10.02

Drill Stop Set

- For use on twist or brad point drills to prevent excessive drill penetration.
- Positive depth control assures exact hole depths for multiple drilling jobs.
- Black oxide finish on cold rolled steel.
- Includes hex wrench.



MODEL	SIZE INCLUDED	ORDER NO.	PRICE
S838	3/16" dia., 1/4" dia. 5/16" dia., 3/8" dia. 7/16" dia., 1/2" dia.	6923-096	\$6.27

Fixed Two Point Scriber

- Hardened and ground steel needle points are fixed to a knurled body.
- Has one straight point and one bent point.
- Measures 8-1/2" overall.

MODEL	ORDER NO.	PRICE
80	6931-090	\$4.76

Inspection Mirrors



- These mirrors facilitate inspection of inaccessible workpieces and machines by toolmakers, assemblers, inspectors, and mechanics.
- Fully polished mirrors are enclosed in plated holders which are attached to knurled handles with ball and socket joints.
- # 557 & 560 have telescoping arms and vinyl cushion grip handles.

MODEL	SIZE	OVERALL LENGTH	ORDER NO.	PRICE
555	1 1/4" dia.	8"	6942-465	\$10.09
557	2 1/4" dia.	10 1/2" extends to 15"	6942-468	14.44
558	1" by 2" oval	9"	6942-471	12.11
560	3 1/2" x 2" oblong	11 1/2" extends to 16"	6942-473	16.09

2" x 3" Rectangular Telescoping Mirror



- For the inspection of obstructed and hard to see objects.
- 2" x 3" (51mm x 76mm) rectangular shatter resistant Lexan™ mirror, fastened to a stainless steel wand with a double ball joint, adjusts to any angle, and telescopes from 9-1/4" to 30" (235mm to 762mm).
- Ergonomically designed, rugged impact ABS plastic handle with contoured head allows for greater control and comfort.
- Eight sided cushion grip has a non-slip finish.

MFG. NO.	ORDER NO.	PRICE EACH
759570	6975-950	\$17.51

Full Size Awl



- Allow steel blade runs through the handle and is securely fastened to the cap.
- Designed for scribing and layout work, starting screw holes and piercing soft materials.
- Heavy duty ergonomically designed handle with free spinning comfort knob and 8-sided cushion grip.

MFG. NO.	ORDER NO.	PRICE EACH
810817	6981-018	\$6.01

4-Piece Probe Set - Precision Fixed Blade

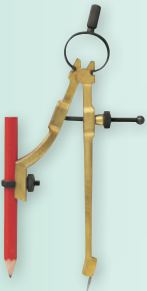
- For probing, cleaning, picking/markings small work surfaces.
- 8-sided cushion grip handle ensures a firm grip.
- Set includes the most popular mini-tool styles.
- Ergonomically designed handle with contoured head allows for greater control and comfort.
- Set includes: 4 heat treated stainless steel point configurations: Straight, 180° hook, 35° bend, 90° bend.
- Blade length: 2-5/8" (67mm)
Overall length: 6"



MFG. NO.	ORDER NO.	PRICE EACH
60004	6960-004	\$13.69

Precision Pencil Compass

- Carpentry quality pencil compass is made of long lasting die cast, rust resistant metal.
- Spring tension adjustment for marking up to 8" diameters.
- Scribe guide for edge marking.
- For use with pencil (included) or slim ballpoint pen.



MODEL	ORDER NO.	PRICE
842	6924-126	\$7.71

Hardwood Handle Scratch Awl



- Our finest quality scratch awl is also our best seller.
- Alloy steel blade runs through the handle and is securely fastened to both the plated steel ferrule and the cap.
- Hardwood fluted handle is contoured for comfortable grip.
- Overall length is 6-1/2" with 3-1/2" blade.

MODEL	ORDER NO.	PRICE
818	6924-047	\$8.73

Tools

3" Diam. Bench Black

- Handy for holding work when driving pins, drilling, etc.
- V-Groove across face accommodates round & odd shaped stock
- Hardened & ground
- Smooth finish on the face preserves the work being held
- Holes vary in size from 1/8" to 5/8"
- Approx. 3" diam. and 1-1/2" high

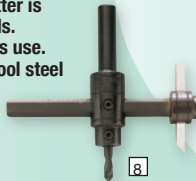


Order No. 3131-735
Price Each\$16.55

GENERAL

Heavy Duty Circle Cutter

- General's industrial quality cutter is most preferred by professionals.
- 1/2" round shank for drill press use.
- Replaceable 1/4" high speed tool steel bit and replaceable 1/4" pilot drill.
- Maximum safe speed is 500 RPM.



MODEL	CAPACITY	ORDER NO.	PRICE
55	1-3/4" to 7-7/8"	6921-012	\$42.02
5/6/55 Drill		6921-014	5.16
55 Blade		6927-015	8.04

GENERAL

Industrial Tweezers - Individual Styles

General's quality tweezers for toolmakers, repairmen, electronic assemblers, and other professionals.

MODEL	POINT STYLE	LENGTH	ORDER NO.	PRICE
401XX	Strong sharp	4-1/2"	6942-263	\$8.07
403	Blunt serrated	6"	6942-266	7.82
407	Blunt (soldering)	4"	6942-269	3.89
410	Narrow sharp	4-1/4"	6942-280	5.40
411	Sharp (self closing)	4-3/4"	6942-283	5.51
412	Blunt (side lock)	6-1/2"	6942-286	6.98
413	Sharp	4-1/2"	6942-289	5.24



Lathe Boring Tools



- Made from accurately machined steel
- Includes holder & 1 double end boring bar; one end 45°, other end 90°
- Black shining finish •Tool bits not included

BAR DIA.	FOR SQ. TOOL BIT	SHANK SIZE	ORDER NO.	PRICE EACH
9/16	3/16	3/8 x 7/8 x 5-3/8	3143-500	\$88.40
3/4	1/4	1/2 x 1-1/8 x 6-1/8	3143-502	102.70
15/16	5/16	5/8 x 1-3/8 x 7-7/16	3143-504	53.15

GENERAL

Precision Trammel Set*

Will accurately transfer measurements, scribe arcs, and lay out circles too large for conventional compasses.

- Will fit any scale 1/2" to 1-1/8" wide.
- Two scriber points and two pencil points included.
- Up to 4 points can be stored in body.
- Free-wheeling thimble for greater precision.
- Aluminum knurled body.
- Steel collet holds replacement leads, scribers and crayons.
- Points reverse into body for safety.



* Ruler not included in set.

MODEL	ORDER NO.	PRICE
524	6923-095	\$21.04

GENERAL

Plumbing Tools

Gold Standard Replacement Cutter Wheels

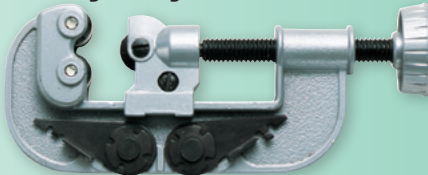
RW121/2- For thin wall cutting- Fits all General tubing cutters, Pro or Classic Series; mini, standard or high performance sizes.

(Packed 2 per card)
RW122- Larger capacity: For iron or PVC pipe-Fits Nos. 1240, 120, 1209, 125, 1259, 126 and 127 cutters. (Replaces RW122P)



MFG. NO.	DESCRIPTION	ORDER NO.	PRICE EACH
RW122	Iron Pipe	6912-027	\$8.53
RW 121/2	Fits all tubing cutters	6912-023	8.53

Heavy Duty Cutter



- Newly redesigned comfort grip for heavy duty industrial applications
- Bearing tool steel cutter wheel. • Full size fold-out reamer.
- Wider, hardened flared grooved rollers allow cuts close to a flared end to avoid tube replacement in existing installations.
- Cuts copper, aluminum, brass, thin wall tubing and stainless steel.
- Oversize knob for additional leverage.
- Spare cutting wheel storage position in handle.
- Replaceable cutting wheels: RW121/2, RW122.

MFG. NO.	CAPACITY	ORDER NO.	PRICE EACH
125	1/4" to 1-5/8"	6912-015	\$25.56

Tubing Cutter



- Newly redesigned contoured shape comfort grip design.
- Bearing tool steel cutter wheel.
- Wide hardened flared grooved rollers allow cuts close to a flared end to avoid tube replacement in existing installations.
- Full sized fold out reamer with double cutting edges.
- Cuts copper, aluminum, brass, thin wall tubing and stainless steel.
- Large knob with a covered extra cutter wheel storage space.
- Replaceable cutting wheels: RW121/2, RW122.

MFG. NO.	CAPACITY	ORDER NO.	PRICE EACH
120	1/8" to 1-1/8"	6912-003	\$15.69

E-Z Ratchet Tubing Cutter



- Ratcheting action rotates the cutter around the tube allowing a standard size cutter to be used in close quarter applications.
- Longer handle requires less effort to rotate cutter, reducing hand fatigue.
- Wide hardened flared grooved rollers allow true cuts close to flared end tubing to avoid tube replacement in existing installations.
- Replaceable bearing tool steel cutting wheel, RW121/2.
- Cuts copper, aluminum, brass, thin wall tubing and stainless steel.
- Spare cutting wheel supplied in handle.

MFG. NO.	CAPACITY	ORDER NO.	PRICE EACH
133	5/16" to 1-1/8"	6913-300	\$28.20

Compound Tubing Bender

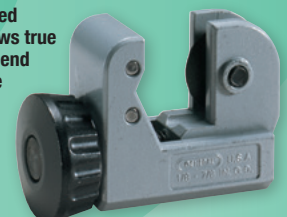
- Will bend copper, brass, thin wall tubing, aluminum, soft wire and rods.
- 180° bends in a single action.
- Bender has calibrated angle markings from 0° to 180° for making accurate left, right and offset bends.
- Bends four sizes.



MFG. NO.	CAPACITY	ORDER NO.	PRICE EACH
153	3/16", 1/4", 5/16", 3/8"	6914-019	\$41.38

Mini Tubing Cutter

- Comfort grip design for easy turning.
- Full size bearing tool steel cutter wheel.
- Large fluted adjusting knob for greater torque.
- Cuts copper, aluminum, brass, thin wall tubing and stainless steel.
- Wide hardened flared grooved rollers allows true cuts close to flared end tubing to avoid tube replacement in existing installations.



MFG. NO.	CAPACITY	ORDER NO.	PRICE EACH
129X	1/8" to 7/8"	6912-032	\$13.04

Shop Tools

Pittsburg® Round Magnifiers



- Plastic handle light weight magnifiers ideal for engineers, professionals and hobbyists
- Ideal reading glass assuring edge to edge clarity

LENS DIA.	POWER	ORDER NO.	PRICE EACH
1-1/2"	3.5X	3100-650	\$2.45
2"	2.5X	3100-651	3.15
2-1/2"	2.5X	3100-652	4.70
3"	2.25X	3100-653	6.75
4 piece set 1-1/2" thru 3"		3100-656	20.00

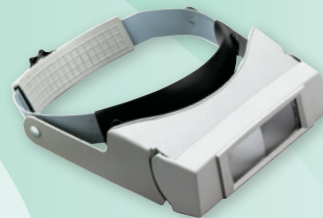
4" Illuminated Magnifier



- 4" diameter with 3 power lens covers large areas of print
- 5 power bifocal lens insert gives even greater magnification
- Bulb gives wide circle of illumination
- Plastic body and optical plastic lens
- Replaceable bulb and 2 C batteries included

MODEL	POWER	FOCAL LENGTH	ORDER NO.	PRICE EACH
554	3.0	3-1/3"	6942-462	\$39.27

Binocular Magnifiers



- For assemblers and inspectors of electronic and small parts
- Leaves hands free to work
- Ground and polished optical lenses eliminate eye strain
- Tilt up lens frame
- Fits over prescription glasses

MODEL	POWER	FOCAL LENGTH	ORDER NO.	PRICE EACH
950-5	2.25	8"	6943-734	\$38.80

Pittsburg® Folding Pocket Magnifiers -Triplet



- 4X, 7X, 10X magnification range
- High power inspection magnifiers for machinist, laboratory technicians and students

ORDER NO.	PRICE EACH
3100-646	\$17.10



- Economical and versatile magnifier for laboratory and industrial uses, for do-it-yourselfers, mechanics & inspectors
- 2" diameter with 4 power lens
- Lightweight, durable 1-piece molded plastic frame

MODEL	ORDER NO.	PRICE EACH
538	6942-414	\$8.76

2-1/2" Round Telescoping 3X Power Magnifying Mirror



MFG. NO.	ORDER NO.	PRICE EACH
759563	6975-959	\$18.82

- For the inspection of obstructed and hard to see objects.
- 2-1/2" (64mm) diameter glass mirror, fastened to a stainless steel wand with a double ball joint, adjusts to any angle, and telescopes from 8-1/2" - 29" (216mm - 737mm).
- Rugged impact ABS plastic handle.
- Ergonomically designed handle with contoured head allows for greater control and comfort.
- Eight sided cushion grip has a non-slip finish.

Pittsburg®

Folding Pocket Magnifiers in Leather Case

- 2-1/2" diameter
- 4X magnification power
- Ground and polished optical glass

ORDER NO.	PRICE EACH
3100-645	\$2.05



IRWIN®

I-Beam Level

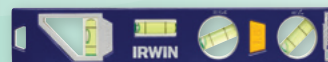


- MagnaVials™ are 20% larger for easy, accurate reading
- Shock absorbing rubber end caps
- Patent-Pending dual chamber design is 2x stronger than traditional I-Beam levels
- Acrylic vial housings are impact resistant
- Top Read™ window allows for convenient viewing

TYPE	ORDER NO.	PRICE EACH
24" non-mag	3255-403	\$28.39
48" non-mag	3255-404	46.91
72" non-mag	3255-405	71.61

IRWIN®

9" Magnetic Heavy Duty Torpedo Level



- Die cast aluminum body provides extreme durability/strength
- 1.5" integrated button for easy 1/4" per foot drainage; button has a slight radius to ensure it sits securely on pipe
- Plumb Site® offers dual-sided, undistorted viewing in the plumb position and easy, more accurate plumb readings
- B-Tank valve key provides the ability to open an acetylene tank valve without stripping
- Rare earth magnets are 5X stronger than strip magnets and allow for easy hands-free steel construction work

Order No. 3255-400 Price Each: \$48.06

Pittsburg® 3-Piece Eye Loupe Set

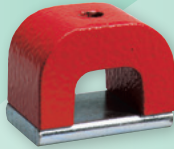


Contains one each:
2X, 5X, and 10X loupes

ORDER NO.	PRICE EACH
3100-640	\$4.85

Shop Tools

Power Alnico Magnets



- Strong magnetic pull for lifting, holding, sorting, clamping, or retrieving steel or iron parts.
- Hole in top of magnet for attaching conveyors, racks, and welding jigs.

MODEL	SIZE OZ.	APPROX. PULL LBS.	ORDER NO.	PRICE
370-2	2	13	6942-044	\$24.82
370-3	3	17	6942-047	19.53
370-4	4	22	6942-050	26.33
370-6	6	30	6942-053	43.40
370-8	8	32	6942-056	63.38
370-12	12	42	6942-061	107.16
370-16	16	50	6942-064	147.56
370-24	24	70	6942-067	175.38

Alnico Shallow Pot Magnets



- Our best quality shallow pot magnets.
- Shallow depth permits use in confined spaces.
- Alnico metal capable of withstanding extreme heat.
- Will not lose magnetism.

MODEL	DIA.	PULL	DEPTH	HOLE	ORDER NO.	PRICE
378C	1.5"	29 lbs.	.406"	.190"	6942-130	\$17.82

Pickup Stick



- An ideal tool for retrieving iron, steel and ferrous materials.
- Powerful, permanent magnet
- Vinyl-coated magnet for long-life and durability.
- 37-inch steel shaft for greater strength.
- Plastic handle grip for greater control and comfort.

MFG. NO.	ORDER NO.	PRICE EACH
397	6931-434	\$29.73

Flexible Magnetic Pick Up



- An excellent tool for retrieving steel parts from hard-to-reach places.
- High-power neodymium magnet is six times more powerful than a cobalt magnet of the same size and density.
- Knurled aluminum body with flexible 15" wire.
- Overall length is 20".
- Lifts up to 2 pounds.

MODEL	SPECIFICATIONS	ORDER NO.	PRICE
395	2 lb. pull	6942-229	\$10.18

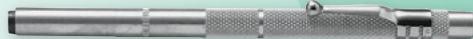
Telescoping High-Power Magnetic Pickup



- A powerful permanent magnetic pickup tool.
- Ideal for retrieving steel & iron parts from hard-to-reach work areas.
- Magnet is fitted in a 5-1/2" long nickel-plated steel handle that can extend up to 23-1/2".
- Holder is fitted with a pocket clip.

MODEL	PULL	ORDER NO.	PRICE
383NX	2 lb. pull	6942-208	\$11.98

Pocket Magnetic Pickups



- Powerful permanent magnet in a knurled aluminum holder with handy pocket clip.
- High-powered neodymium magnet which is six times more powerful than standard magnet.
- Ideal for retrieving small steel and iron parts from hard-to-reach areas.

MFG. NO.	PULL	ORDER NO.	PRICE EA.
386	2 lb. pull	6942-219	\$7.98

Flex-O-Stiff Neodymium Magnetic Pickup

- An ideal tool for retrieving steel parts from hard-to-reach places.
- Permanent magnetic power.
- Magnet is fitted into an 18" nickel-plated holder, which can be extended to a 32" flexible receiver.

MODEL	PULL	ORDER NO.	PRICE
384N	2 lb. pull	6942-210	\$15.31

Telescoping Magnetic Pick-Ups



- 10 lb. smooth surface pull capacity Neodymium magnet.
- Neodymium Magnet is fastened to a stainless steel wand with a double ball joint that adjusts to any angle and telescopes from 6-1/2" to 27" (165mm to 686mm).
- Neodymium Magnet is 6 times stronger than Cobalt Magnets of equal size.
- Magnet holder is made of high-strength reinforced nylon.
- Ergonomically designed, rugged high impact ABS plastic handle with contoured head allows for greater control and comfort.
- Eight sided cushion grip has a non-slip finish.

MFG. NO.	PULL	ORDER NO.	PRICE
759398	10 lb.	6975-939	\$19.00

Mini-Light with Magnetic Pick-Up



- Mini Light with 2 lb. Neodymium Magnetic pick-up are both fastened to a stainless steel telescoping wand molded into a rugged high-impact ABS plastic handle.
- Handle is ergonomically designed with an eight-sided, cushion

- grip and contoured head for greater control and comfort.
- Telescope from 7-3/4" to 28-3/4" (197mm to 720mm).
- 4 Silver-Oxide, SR-48 Batteries - 64 hrs. of continuous use.

MFG. NO.	ORDER NO.	PRICE EACH
759582	6975-967	\$28.20

CUSTANITE Precision



Welding Magnet

- Designed to enable fast & accurate holding of ferrous metal for welding and assemble jobs.
- Holds both sheet and tube at angles of 180°, 90°, 45° & 30°.
- Two body holes enable the clamp to be built into jigs or hung when not in use.

MFG. NO.	THICKNESS	PULL LBS.	WT. OZ.	ORDER NO.	PRICE
377	.468	50.0	9.0	6942-122	\$17.64

Wiha® Magnetizer and Demagnetizer

To magnetize and demagnetize steel screw-driver blades, tweezers and similar tools. Box is high quality plastic, shock resistant, green, cadmium free.

Application: To magnetize, lead tool away slowly through the lower square opening (+). To demagnetize guide tool slowly through the upper opening (-).
Packaged dimensions: 85 x 160mm 3.3" x 6.3"
Uses 2-C8 Ind. Permanent magnets.



Order No. 7840-010 Price Each: \$7.19

Magnetizer/Demagnetizer

- Powerful rare earth magnet specially designed for magnetizing and demagnetizing screwdrivers, nut runners, wrenches, taps, and small tools.
- Converts any tool blade into a magnetic retriever for screws, nuts, and metallic particles.



MODEL	DIMENSIONS	ORDER NO.	PRICE
360	1" x 1" x 1"	6942-021	\$3.93

Extra-Long, Magnetic Pickup with Pivot Joint



- An excellent tool for retrieving steel parts from hard-to-reach places.
- High-power neodymium magnet lifts up to five pounds and will never lose its magnetism.
- Steel body measures 13" and can be extended to 27".
- Locking pivot joint allows user to pick up objects around corners.
- Body is chrome plated with vinyl cushion grip handle.

MODEL	SPECIFICATIONS	ORDER NO.	PRICE
394	5 lb. pull	6942-228	\$18.16

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Batteries & Flashlights

Industrial Maximum Alkaline Batteries Contractor Packs

- Easy to open container is resealable and reusable.
- Keeps batteries upright and organized. No more loose or lost batteries.
- Protects batteries from damage and short circuiting.



CROSS REFERENCE						
RAYOVAC MODEL NO.	DESCRIPTION	EVEREADY	BRIGHT STAR	DURACELL	STD. PACK	ORDER NO. PRICE PER PACK
ALC-12	Alkaline C size	EN93	7522	PC1400	12	9520-041 \$15.86
ALD-12	Alkaline D size	EN95	7520	PC1300	12	9520-042 22.25
ALAA-24	Alkaline AA size	EN91	7524	PC1500	24	9520-043 14.20
ALAAA-18	Alkaline AAA size	EN92	7256	PC2400	18	9520-044 11.01
AL9V-12	Alkaline 9V size	EN22	7590	PC1604	12	9520-045 26.98

Alkaline Batteries Shrink Packages



CROSS REFERENCE						
RAYOVAC MODEL NO.	DESCRIPTION	EVEREADY	BRIGHT STAR	DURACELL	STD. PACK	ORDER NO. PRICE PER PACK
AL-C	Alkaline C size	EN93	7522	PC1400	6	9520-005 \$ 8.17
AL-D	Alkaline D size	EN95	7520	PC1300	6	9520-006 11.24
ALAA	Alkaline AA size	EN91	7524	PC1500	8	9520-007 4.89
AL-AAA	Alkaline AAA size	EN92	7256	PC2400	8	9520-008 4.89
AL-9V	Alkaline 9 Volt	EN22	7590	PC1604	6	9520-009 13.61

Rechargeable Batteries



SIZE AA

2



PS33-4B

2

SIZE	STD. PACK	ORDER NO.	PRICE PER PACK
C	2	9520-015	\$13.61
D	2	9520-016	13.61
AA	4	9520-017	18.39
AAA	4	9520-018	17.17
9 Volt	1	9520-019	13.61

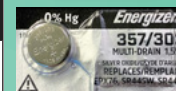
CHARGER			
MODEL NO.	SIZE	ORDER NO.	PRICE EACH
PS33-4B	AA/AAA, C, D, 9V	9520-023	\$16.27

Silver Watch/Electronic Batteries

New Zero Mercury Formula!

RAYOVAC MODEL NO.	DESC.	CROSS REF.	STD. PACK	ORDER NO.	PRICE EACH
303/357-1ZM	1.5V Silver Watch/Elec.	303, 357, SR44W, V357	1	9520-031	\$2.13

ENERGIZER MODEL NO.	DESC.	CROSS REF.	STD. PACK	ORDER NO.	PRICE EACH
357/303	1.5V Silver Watch/Elec.	303, 357, SR44W, V357	1	9520-033	\$2.09



Keyless Entry Battery – 3V

RAYOVAC MODEL NO.	STD. PACK	INTERCHANGEABLE NUMBERS	ORDER NO.	PRICE EACH
KECR2032-1	1	CR2032, BR2032, ECR2032, CL2032B	9520-028	\$1.92



Lithium Batteries— 3V



RL123A-1



CR2032

RAYOVAC MODEL NO.	STD. PACK	INTERCHANGEABLE NUMBERS	ORDER NO.	PRICE EACH
Photo/Electronic RL123A-1	1	DL123AS, EL123APBP	9520-025	\$3.48
RLCR2-1	1	DLCR2B, CL1CR2BP	9520-026	3.52
Keyless/Elect. CR2032	1	CR2032, BR2032, ECR2032, CL2032B	9520-028	1.92

Industrial Flashlights

- Polypropylene construction resists impact, chemicals, oil, gas, water, and corrosion.
- Toolbox tough. Barrier wall and shock-absorbing spring protect bulb.



WHH2D-BA

2

RAYOVAC MODEL NO.	USES BATT.	DESCRIPTION	ORDER NO.	PRICE EACH
WHH2D-BA	2-D	Workhorse™ 3-LED Hanging Ring Flashlight	9520-065	\$9.73
IN2-MSE*	2-D	Orange Industrial Safety Flashlight w/safety head and ring hanger	9520-051	6.60
WHK2AA-BA	2-AA	Yellow Industrial Flashlight w/Krypton bulb	9520-054	3.62

*Sold without batteries

Sportsman® LED Flashlight

- SPHW3AAA-BXA • Bright .5 Watt High-Powered LED • 20 Lumens
- Run Time: 45 Hours • Machined Aluminum with Knurled Grip
- Water Resistant • Bronze Finish
- Handy Holster Included • Run Time: 45 Hours
- Uses 3AAA Batteries (included)
- Lifetime Warranty



Sportsman®



Order No. 9520-080 Price Each...\$ 14.28

SPHW3AAA-BXA