

## SELECT MANUFACTURES

### CUTTING TOOLS

Allied Machine/Ame  
Alvord-Polk  
Balax  
Brubaker  
**Chicago Latrobe**  
**Circle**  
Cleveland Twist Drill  
Craig  
Dorian  
Everede  
Form Roll  
Fullerton  
**Garr**  
Geometric  
**GI Tool**  
**Greenfield**  
Grobet  
Guhring  
**Hanita**  
Hannibal Carbide  
Irwin  
Kaiser Thin Bit  
Kennametal  
Keo  
LMT Fette  
MA Ford  
Manchester  
Metal Removal  
Metcut  
Micro 100  
Moon Cutter  
**Niagara**  
Nicholson  
**Onsrud**  
OSG  
Pramet  
**Precision Twist/PTD**  
Quality Chaser  
Regal Cutting Tools  
Reiff & Nestor  
Relton  
Republic  
Robbjack  
Scientific Cutting Tools  
**Seco**  
Sevcal / Severance  
SGS Carbide  
Starrett-Bandsaw  
Thurston  
Ttex  
Tool Flo  
Triangle  
Union Butterfield  
Valenite  
**Walter USA**  
**Widia**

### ABRASIVES

**3M**  
Anderson Brush  
Cratex  
Falcon  
Merit  
**Norton/Saint-Gobain**  
Osborn  
Radiac  
Rex Cut  
Simonds  
**Standard Abrasives**  
VSM  
Walter  
Weiler  
**MRO SHOP & SAFETY  
SUPPLIES**  
**Adenna**  
**3M**  
Binks  
Brady  
Cedarberg  
Coilhouse  
**CRC**  
Crown Mats  
Dykem  
Ergodyne  
**First Aid Only**  
**Gojo**  
Helicoil  
Intertape / IPG  
Justrite  
Kimberly Clark  
Kool-Mist  
**Krylon**  
Lockwood Loc-Line  
**LPS**  
Markal/LACO  
**Master Chemical**  
MBT / Meltblown  
MCR Safety / Crews / Memphis  
**Moldex**  
Pelican  
Pip Gloves  
Precision Brand  
Rayovac  
Relton Cutting Fluids  
Shop Vac  
Sprayon  
Tapmatic  
Tennessee Mat / Wearwell  
**Tingley**  
TPI Fans  
Trimsol  
WD-40  
Weller

### PORTABLE, ELECTRIC & AIR TOOLS

Bosch  
Bostich  
CP / Chicago Pneumatic  
**Dewalt**  
Dotco  
**Dynabrade**  
Florida Pneumatic  
Makita  
**Milwaukee**  
National Detroit  
Porter Cable  
**Sioux**  
Suhner

### HAND TOOLS

Ames  
**Apex**  
Bahco  
Blackhawk  
Bondhus  
CH Hanson  
Channellock  
Clauss  
**Cooper Group**  
Corona  
Crescent  
De-Sta-Co  
General Tool  
H.K Porter  
Holokrome  
Ideal  
**Irwin**  
Jackson  
JH Williams  
Kant-Twist  
**Klein**  
Lufkin  
Lutz  
Milbar  
Nupla  
Plumb  
**Proto**  
Razorback  
Reed  
Ridge / Ridgid  
**Snapon**  
**Stanley-Proto**  
Starret-Tapes  
Union  
Vise-Grip  
Wiha  
**Wilton Tool Group**  
Wiss  
Xacto

### PRECISION MEASURING & INSPECTION

Bausch & Lomb  
**Hexagon / Brown & Sharp**  
Meyer  
**Mitutoyo**  
SPI  
**Starrett**  
Sturtevant  
Vermont Gage

### MACHINERY & ACCESS.

Actek  
Albrecht  
Baldor  
**Burr King**  
Clausing  
Dake  
Equipto  
Everett  
Graymills  
**Greenlee**  
Hardinge  
Heinrich  
Jacobs  
Jergens  
Jet Equipment  
JFK  
Kurt  
Lyndex  
Max/Tannewitz  
Parlec  
PBA-Atlas  
Phase-a-matic  
Powermatic  
Reneshaw  
**Royal Prod.**  
Safety Speed Cut  
Somma  
Stanley Hydraulics  
Techniks  
United  
Wilton Machinery  
**Win Ware / Cribmaster**

### MATERIAL HANDLING

Akro-mills  
Columbus Mckinnon  
Edsal  
Huot  
Kennedy  
**Lift All**  
Louisville  
Lyon  
Rubbermaid  
Werner Ladder  
Wesco

## DECIMAL EQUIVALENTS

DRILL SIZE	MM	DECIMAL INCHES	DRILL SIZE	MM	DECIMAL INCHES	DRILL SIZE	MM	DECIMAL INCHES	DRILL SIZE	MM	DECIMAL INCHES	DRILL SIZE	MM	DECIMAL INCHES
-	0.10	.0039	53	1.51	.0595	-	4.00	.1575	J	7.04	.2770	-	14.00	.5512
-	0.20	.0079	1/16	1.59	.0625	21	4.04	.1590	K	7.14	.2810	9/16	14.29	.5625
-	0.25	.0098	52	1.61	.0635	20	4.09	.1610	9/32	7.14	.2812	37/64	14.68	.5781
-	0.30	.0118	51	1.70	.0670	19	4.22	.1660	L	7.37	.2900	-	15.00	.5906
80	0.34	.0135	50	1.78	.0700	18	4.31	.1695	M	7.49	.2950	19/32	15.08	.5938
79	0.37	.0145	49	1.85	.0730	11/64	4.37	.1719	19/64	7.54	.2969	39/64	15.48	.6094
1/64	0.40	.0156	48	1.93	.0760	17	4.39	.1730	N	7.67	.3020	5/8	15.88	.6250
78	0.41	.0160	5/64	1.98	.0781	16	4.50	.1770	5/16	7.94	.3125	-	16.00	.6299
77	0.46	.0180	47	1.99	.0785	15	4.57	.1800	-	8.00	.3150	41/64	16.27	.6406
-	0.50	.0197	-	2.00	.0787	14	4.62	.1820	O	8.03	.3160	21/32	16.67	.6562
76	0.51	.0200	46	2.06	.0810	13	4.70	.1850	P	8.20	.3230	-	17.00	.6693
75	0.53	.0210	45	2.08	.0820	3/16	4.76	.1875	21/64	8.33	.3281	43/64	17.07	.6719
74	0.57	.0225	44	2.18	.0860	12	4.80	.1890	Q	8.43	.3320	11/16	17.46	.6875
-	0.60	.0236	43	2.26	.0890	11	4.85	.1910	R	8.61	.330	45/64	17.86	.7031
73	0.61	.0240	42	2.37	.0935	10	4.91	.1935	11/32	8.73	.3438	-	18.00	.7087
72	0.64	.0250	3/32	2.38	.0938	9	4.98	.1960	S	8.84	.3480	23/32	18.26	.7188
71	0.66	.0260	41	2.44	.0960	-	5.00	.1968	-	9.00	.3543	47/64	18.65	.7344
-	0.70	.0276	40	2.50	.0980	8	5.05	.1990	T	9.09	.3580	-	19.00	.7480
70	0.71	.0280	39	2.53	.0995	7	5.11	.2010	23/64	9.13	.3594	3/4	19.05	.7500
69	0.74	.0292	38	2.58	.1015	13/64	5.16	.2031	U	9.35	.3680	49/64	19.45	.7656
-	0.75	.0295	37	2.64	.1040	6	5.18	.2040	3/8	9.53	.3750	25/32	19.84	.7812
68	0.79	.0310	36	2.71	.1065	5	5.22	.2055	V	9.56	.3770	-	20.00	.7874
1/32	0.79	.0313	7/64	2.78	.1094	4	5.31	.2090	W	9.80	.3860	51/64	20.24	.7969
-	0.80	.0315	35	2.79	.1100	3	5.41	.2130	25/64	9.92	.3906	13/16	20.64	.8125
67	0.81	.0320	34	2.82	.1110	7/32	5.56	.2188	-	10.00	.3937	-	21.00	.8268
66	0.84	.0330	33	2.87	.1130	2	5.61	.2210	X	10.08	.3970	53/64	21.03	.8281
65	0.89	.0350	32	2.95	.1160	1	5.79	.2280	Y	10.26	.4040	27/32	21.43	.8438
-	0.90	.0354	-	3.00	.1181	-	5.94	.2340	13/32	10.32	.4062	55/64	21.84	.8594
64	0.91	.0360	31	3.05	.1200	15/64	5.95	.2344	Z	10.49	.4130	-	22.00	.8661
63	0.94	.0370	1/8	3.18	.1250	-	6.00	.2362	27/64	10.72	.4219	7/8	22.23	.8750
62	0.97	.0380	30	3.26	.1285	B	6.05	.2380	-	11.00	.4331	57/64	22.62	.8906
61	0.99	.0390	29	3.45	.1360	C	6.15	.2420	7/16	11.11	.4375	-	23.00	.9055
-	1.00	.0394	28	3.57	.1405	D	6.25	.2460	29/64	11.51	.4531	29/32	23.02	.9062
60	1.02	.0400	9/64	3.57	.1406	1/4	6.35	.2500	15/32	11.91	.4688	59/64	23.42	.9219
59	1.04	.0410	27	3.66	.1440	E	6.35	.2500	-	12.00	.4724	15/16	23.81	.9375
58	1.07	.0420	26	3.73	.1470	F	6.53	.2570	31/64	12.30	.4844	-	24.00	.9449
57	1.09	.0430	25	3.80	.1495	G	6.63	.2610	1/2	12.70	.5000	61/64	24.21	.9531
56	1.18	.0465	24	3.86	.1520	17/64	6.75	.2656	-	13.00	.5118	31/32	24.61	.9688
3/64	1.19	.0469	23	3.91	.1540	H	6.76	.2660	33/64	13.10	.5156	-	25.00	.9842
55	1.32	.0520	5/32	3.97	.1562	I	6.91	.2720	17/32	13.49	.5312	63/64	25.00	.9844
54	1.40	.0550	22	3.99	.1570	-	7.00	.2756	35/64	13.89	.5469	1"	25.40	1.0000

## TAP DRILL SIZES

\*Reaming Recommended

TAP SIZE	DRILL SIZE	PROBABLE % THREAD	TAP SIZE	DRILL SIZE	PROBABLE % THREAD	TAP SIZE	DRILL SIZE	PROBABLE % THREAD	TAP SIZE	DRILL SIZE	PROBABLE % THREAD	PIPE TAP DRILL SIZES		
												TAP SIZE	DRILL SIZE	PROBABLE % THREAD
0-80	3/64	71-81	6-40	33	69-77	3/8-24	Q	71-79	7/8-9	49/64	72-76			
M1.6 x .35	1.25 mm	69-77	M4 x .7	3.25mm	74-82	M10 x 1.5	8.4 mm	76-82	7/8-14	13/16	62-67			
1-64	53	59-67	8-32	29	62-69	7/16-14	U	70-75	M24 x 3	53/64	72-76	1/16 - 27	D	1/4
M2 x .4	1/16	72-79	8-36	29	70-78	7/16-20	25/64	65-72	1-8	7/8	73-77	1/8 - 27	R	11/32
1-72	53	67-75	10-24	25	69-75	M12 x 1.75	13/32	69-74	1-12	59/64	67-72	1/4 - 18	7/16	7/16
2-56	50	62-69	10-32	21	68-76	1/2-13	27/64	73-78	1-14	15/16	61-67	1/4 - 18	7/16	7/16
2-64	50	70-79	M5 x .8	4.2mm	69-77	1/2-20	29/64	65-72	1-1/8 - 7	63/64	72-79	3/8 - 18	37/64	37/64
M2.5 x .45	2.05 mm	69-77	12-24	16	66-72	M14 x 2	15/32	49-81	1-1/8 - 12	1-3/64	66-72	1/2 - 14	45/64	23/32
3-48	5/64	70-77	12-28	15	70-78	9/16-12	31/64	68-72	M30 x 3.5	1-3/64*	75	1/2 - 14	45/64	23/32
3-56	46	69-78	M6 x 1	10	76-84	9/16-18	33/64	58-65	1-1/4 - 7	1-7/64*	76	3/4 - 14	59/64	59/64
4-40	43	65-71	1/4-20	7	70-75	5/8-11	17/32	75-79	1-1/4 - 12	1-11/64*	72	1 - 11½	1-5/32	1-5/32
4-48	42	61-68	1/4-28	3	72-80	5/8-18	37/64	58-65	1-3/8 - 6	1-7/32*	72	1¼ - 11½	1-1/2	1-1/2
M3 x .5	40	70-79	5/13-18	F	72-77	M16 x 2	35/64	76-81	1-3/8 - 12	1-19/64*	72	1½ - 11½	1-47/64	1-3/4
5-40	38	65-72	5/16-24	I	67-75	3/4-10	21/32	68-72	M36 x 4	1-1/4*	82	2 - 11½	2-7/32	2-7/32
5-44	37	63-71	M8 x 1.25	6.7 mm	74-80	3/4-16	11/16	71-77	1-1/12-6	1-11/32*	72	2½ - 8	2-41/64	2-21/32
M3.5 x .6	33	72-81	3/8-16	5/16	72-77	M20 x 2.5	11/16	74-78	1-1/2-12	1-27/64*	72			
6-32	36	71-78												

**GENERAL  
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TOOL  
& SUPPLY**

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