

**V2 BAUM IRON HIGH PERFORMANCE REINFORCED WHEELS FOR RIGHT ANGLE GRINDERS COMPARE OUR LOW PRICES**

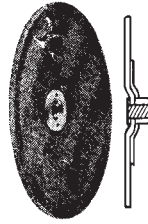


**With plain hole or With Built-in Throw-Away Hub 24 Grit**

Reinforced resinoid bonded wheels with multiple layers of tough glass fiber securely bonded to the abrasive.

Some have built-in throw-away threaded hub that can mounted in seconds. The hub is 5/8" - 11 thread. Others with plain-hole for adapter.

For snagging, weld grinding and other portable grinding operations. Fast cutting with long life. Straight wheels allow an easier and more comfortable angle with greater control and reduced operator fatigue.



**Right Angle Grinder Straight Wheel Type 27**

**For Metal and Stainless Steel Fast Grind**



Size Inches	Max. RPM	Carton Qty.	Our Sequence Number	Per Each
Straight Wheel with Threaded Hub-Med. Type 27				
4-1/2x1/4x5/8-11	13,300	25	0028653	<b>\$4.47</b>
5x1/4x5/8-11	12,000	25	0028654	<b>5.41</b>
7x1/4x5/8-11	8,600	25	002854	<b>6.74</b>
9x1/4x5/8-11	6,800	25	002858	<b>9.12</b>

**For Metal and Stainless Steel Fast Grind**



Straight Wheel with Plain Hole-Med. Type 27 Makita Grinders Uses 4 and 5 inch

4-1/2x1/4x7/8	13,300	25	002853	<b>2.72</b>
4x1/4x41/64	15,000	25	002852	<b>3.24</b>
5x1/4x7/8	12,000	25	002857	<b>4.00</b>
7x1/4x7/8	8,600	10	002856	<b>5.17</b>
9x1/4x7/8	6,800	10	002860	<b>7.37</b>

**For Cutting & Slotting Metal and Stainless Steel**



Straight Wheel with Threaded Hub-Med. Type 27

4-1/2x1/8x5/8-11	13,300	25	0028652	<b>4.00</b>
7x1/8x5/8-11	8,600	25	002864	<b>6.92</b>

**For Cutting & Slotting Metal and Stainless Steel**



Straight Wheel with Plain Hole-Med. Type 27 Makita Grinders Use 4 inch

4x1/8x41/64	15,000	25	002851	<b>2.69</b>
4-1/2x1/8x7/8	13,300	25	002862	<b>2.69</b>

**For Aluminum Grinding**



Size Inches	Max. RPM	Carton Qty.	Our Sequence Number	Per Each
Straight Wheel with Threaded Hub-Med. Type 27				
4x1/4x5/8	15,000	25	002920	<b>\$3.92</b>
4-1/2x1/4x7/8	13,300	25	002922	<b>4.13</b>
4-1/2x1/4x5/8-11	13,300	25	002924	<b>5.38</b>
7x1/4x5/8-11	10,000	25	002932	<b>8.73</b>

Right Angle Wheels may be combined for Qty. Pricing.

**THIN ANGLE GRINDER CUT OFF WHEELS For Cutting ONLY. Type 1 wheel flange required.**



Size Inches	Max. RPM	Carton Qty.	Our Sequence Number	Per Each
4x3/32x5/8	19,000	50	0028661	<b>\$2.93</b>
4x.040x5/8	19,000	50	0028663	<b>2.53</b>
4-1/2x.045x7/8	13,300	25	0028662	<b>2.59</b>
6x.045x7/8	13,300	25	00286625	<b>3.50</b>

**BAUM IRON CHOP SAW CUT-OFF SEMI-RIGID WHEELS Straight Wheel-A30S7-BR Grit COMPARE OUR LOW PRICES**

Date: 2500

A Semi-rigid straight wheel bonded with resinoid and a woven fabric for reinforcement for all cutting off operations where impact and shock resistance is required.

**CHOP SAW TABLE TOP**



Size Inches	Max. RPM	Carton Qty.	Our Sequence Number	Per Each
TABLE TOP CHOP SAW CUT-OFF WHEELS WITH 1" BORE-REINFORCED FOR CHOP SAW TABLE TOP CUT OFF MACHINES				
12x3/32x1	5,092	10	002890	<b>\$8.28</b>
14x3/32x1	4,366	10	002895	<b>8.86</b>
16x3/32x1	3,820	10	002898	<b>16.88</b>

**STATIONARY SAW**



Size Inches	Max. RPM	Carton Qty.	Our Sequence Number	Per Each
STATIONARY SAW HEAVY DUTY CUT-OFF WHEELS FOR MACHINES WITH THEIR OWN LEGS WITH 1" BORE-REINFORCED				
12x1/8x1HVY	4,366	10	002892	<b>10.61</b>
14x1/8x1HVY	4,366	10	002897	<b>14.74</b>
16x5/32x1HVY	3,865	10	002899	<b>21.03</b>
20x3/16x1HVY	3,066	10	002901	<b>37.83</b>

**HAND HELD**



HAND HELD HIGH SPEED GAS AND ELECTRIC CUT-OFF SAW WHEELS

Size Inches	Max. RPM	Carton Qty.	Our Sequence Number	Per Each
For Metal Cutting				
12x1/8x20mm	6,300	10	002960	<b>\$8.13</b>
12x1/8x1	6,300	10	002962	<b>7.50</b>
14x1/8x20mm	5,400	10	002964	<b>13.77</b>
14x1/8x1	5,400	10	002966	<b>13.04</b>
For Rail Track				
16x1/8x1	4,500	10	002976	<b>19.18</b>
For Concrete				
12x1/8x20mm	6,300	10	002968	<b>7.39</b>
12x1/8x1	6,300	10	002970	<b>7.55</b>
14x1/8x20mm	5,400	10	002972	<b>13.51</b>
14x1/8x1	5,400	10	002974	<b>13.04</b>

**ROAD CONSTRUCTION SAW CUTTING WHEELS**



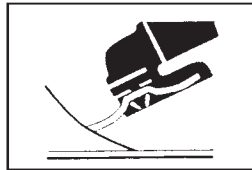
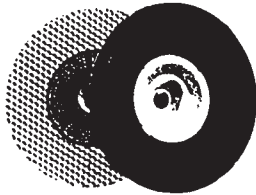
Size Inches	Max. RPM	Carton Qty.	Our Sequence Number	Per Each
For Concrete				
14x3/16x1 D1	4,365	10	002980	<b>\$15.91</b>
For Asphalt and Green Concrete				
14x3/16x1 D1	4,365	10	002982	<b>15.91</b>

**CIRCULAR SAW - SKIL SAW CUT - OFF WHEELS**



Size Inches	Max. RPM	Carton Qty.	Our Sequence Number	Per Each
For Metal With 5/8 Round Hole With Diamond Knock-out for Worm Drive Saws				
7x3/32x5/8Dia	8,600	25	002988	<b>4.70</b>
For Masonry				
7x1/8x5/8Dia	8,600	25	002990	<b>4.75</b>

All Cut-off Wheels may be mixed for Quantity Pricing.



Grinding & finishing from one wheel-by using simple grinding technique, a single semi-flexible grade will cut aggressively like a 24 grit depressed center wheel, then blend in a ready to paint finish like a sanding disc.

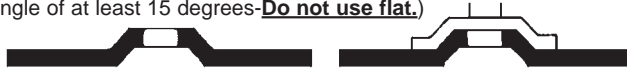
The semi-flexible grinding wheel flexes to follow contoured surfaces.

Comes complete with a throw away spin on adapter. No need for backup pads and nut assemblies.

**Grinding Technique**

For fast material removal increase the grinding angle between the wheel and the workpiece.

FOR BLENDING AND FINISHING decrease the grinding angle and apply light pressure and fluid motion. (Note-maintain a minimum grinding angle of at least 15 degrees-**Do not use flat.**)



**For Metal, Stainless Steel, and Aluminum**

Size Inches	Max. RPM	Carton Qty.	Our Sequence Number	Per Each
<b>MEDIUM GRIT</b>				
4x1/8x5/8	15,000	25	002910	\$5.62
4-1/2x1/8x7/8	13,300	25	002912	5.62
5x1/8x7/8	12,000	25	002914	6.24
7x1/8x5/8-11	8,600	25	002916	11.29

**PREMIUM ZIRCONIA ALUMINA RIGHT ANGLE FLAP WHEEL**



Our most productive and efficient super flap disc. Ideal for high production grinding, blending, deburring and finishing. Performs well on a variety of materials, including carbon, stainless steel, aluminum and fiberglass. Resists loading and outlasts aluminum oxide grain by two to one.

**Type 27**



Size Inches	Grit	Max. RPM	Carton Qty.	Our Sequence Number	Per Each
4-1/2x7/8 Flap 27	40	13,300	10	002995	\$6.56
4-1/2x7/8 Flap 27	60	13,300	10	003000	6.56
4-1/2x7/8 Flap 27	80	13,300	10	0030005	6.56
4-1/2x7/8 Flap 27	120	13,300	10	0030008	6.71
4-1/2x5/8-11 Flap 27	60	13,300	10	003001	8.94
5x7/8 Flap 27	60	12,000	10	003002	7.97
7x5/8-11 Flap 27	60	8,600	10	003004	15.15

**Type 29**



4-1/2x7/8 Flap 29	60	13,300	10	003020	6.56
4-1/2x7/8 Flap 29	80	13,300	10	0030205	6.45
4-1/2x5/8x11 Flap 29	60	13,300	10	003021	8.94
5x7/8 Flap 29	60	12,000	10	003022	7.97
7x5/8-11 Flap 29	60	8,600	10	003024	14.87

**BABBITT METAL**

Date: 4000



**ADAMANT SUPER GENUINE**

The Finest Available. Recommended for heavy work and high speed machinery. In approx. 10 lbs. ingots.

**PYRAMID**

Second only to Adamant in Quality. A copper-hardened anti-friction alloy. Flows freely at less than 500 deg. F. Except where the most excessive strains and the highest speeds are developed, this alloy is recommended for all types of machinery. In approx. 10 lb. ingots.

**ANALYSIS OF BABBITT METAL**

Name	Our Sequence Number	Per Pound	% Tin	% Antimony	% Copper	% Lead
Adamant Super	597840	\$25.37	91	4-1/2	4-1/2	0
Pyramid	597760	9.81	10	12-1/2	1/2	77
Anti-Friction	597632	8.57	2	15	0	83

CALL FOR QUANTITY DISCOUNTS

**PENCIL GRINDER & DIE GRINDER SMALL WHEELS**

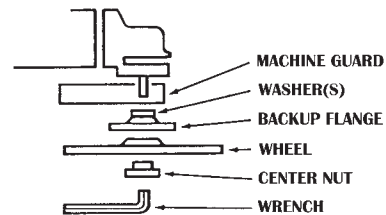


USE ONLY ON PENCIL/DIE GRINDERS

Size Inches	Max. RPM	Carton Qty.	Our Sequence Number	Per Each
<b>Coarse</b>				
2x1/8x3/8	30,558	25	002870	\$1.67
3x1/8x3/8	25,000	25	002872	2.17
4x1/8x3/8	19,000	25	002874	2.61
<b>Medium</b>				
2x1/16x3/8	30,558	50	002868	1.36
3x1/16x3/8	25,000	50	0028732	1.62
4x1/16x3/8	19,000	50	002876	2.51
<b>Fine</b>				
2x.035x3/8	30,558	100	002867	1.36
3x.035x3/8	25,000	100	002873	1.62
4x.035x3/8	19,000	100	002875	2.51

**REUSABLE ADAPTER KIT For 7/8 Plain Bore Reinforced Wheels**

Date: 2000



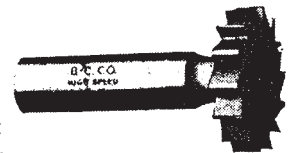
Adapter kit includes all parts necessary to properly mount 7 and 9 inch Type 27 wheels on grinders with 5/8-11 NC spindles.

Kit Number	Description	Our Sequence Number	Per Each
20301	Adapter Kit	002878	\$22.69

**WOODRUFF KEYSEAT CUTTERS**

High Speed Steel-Shank Type  
5° Rake Teeth-Face Ground-Undercut Side

Furnished standard with right hand cut only and have 1/2" diameter shank 2" long.



Part Number	For Key Number	Diam. Inches	Width Face Inches	No. of Teeth	Our Sequence Number	Per Each
45488	3	1/2	1/8	10	004436	\$56.67
45489	5	5/8	1/8	10	004438	57.67
45490	7	3/4	1/8	10	004440	65.60
45491	6	5/8	5/32	10	004442	54.33
45492	8	3/4	5/32	10	004446	71.07
45495	9	3/4	3/16	12	004452	85.47
45496	11	7/8	3/16	12	004454	68.57
45497	13	1	3/16	12	004458	80.75
45505	A & 121	7/8	1/4	12	004466	78.94
45506	15 & 141	1	1/4	12	004468	90.40
45507	18	1-1/8	1/4	12	004472	96.85
45508	21	1-1/4	1/4	14	004478	100.17
45511	B & 131	1	5/16	12	004484	93.94
45512	C & 161	1-1/8	5/16	12	004486	109.22
45513	D	1-1/4	5/16	14	004488	115.34

**PLAIN MILLING CUTTERS High Speed Steel-Light Duty**

12° Rake Teeth-Face Ground-18° Helix Angle



Used for both conventional and climb milling on malleable iron, cast iron and steel. Mills with less than 3/4" face have straight teeth and undercut sides. Larger sizes have left hand spiral teeth, utilizing thrust of cut to keep spindle tight and lessen chatter.

Part Number	Diam. Inches	Width Face Inches	Size Holes Inches	No. of Teeth	Our Sequence Number	Per Each
45006	2-1/2	1/2	1	18	004418	\$104.39

**PRODUCT SELECTION:**

**FIRST:** Analyze the sawing application

Machine: For most situations, knowing the blade dimensions (length x width x thickness) is all that is necessary.

Material: Find out the following characteristics of the material to be cut.

- Grade
- Hardness (if treated)
- Shape
- Size

Is the material to be stacked (bundled) or cut one at a time:

Customer needs: the specifics of the application should be considered.

Production or utility - general purpose sawing operation?

What is more important, fast cutting or tool life?

Is material finish important?

**SECOND:** Determine the proper number of teeth per inch

A general rule for bundles

Determine the correct teeth per inch for one piece, and choose one pitch coarser for the bundle.

For easier to cut materials, one tooth pitch can cut a wider variety of material sizes.

For difficult to cut materials, blade life will suffer if the tooth pitch is not correct.

**NOTE:** If having difficulty choosing between two pitches, the finer of the two will generally give better blade life.

**THIRD:** Determine which blade type to use.

Use the chart (BI-METAL PRODUCT LINE SELECTION) shown below.

Find the material type to be cut in the top row.

Read down the chart to find which blade type is recommended.

For further assistance, contact us using one of our 800 numbers listed on the front of the catalog.

**FOURTH:** Make sure the product type and tooth per inch chosen is available in the required blade width. When compromise is necessary, choose the correct tooth per inch first.

**FIFTH:** Don't forget to order Lenox sawing fluids and lubricants. Any blade you select will work better with a fluid.

**BENEFITS of Bi-Metal Blades:**

The tooth tips are made of high speed steel that is electron beam welded to a high strength spring steel alloy backing material. The result is a durable, fatigue resistant blade able to withstand the heat generated when cutting steels and other alloys.

Most metalworking applications

- Carbon steels
- Alloy and tool steels
- Stainless steels
- Nickel base alloys

**BI-METAL PRODUCT LINE SELECTION: DIN 85970 AISI**

General Purpose Cutting	Structural Steels	Carbon Steels	Aluminum and Light Alloy Steels	Alloy and Mold Steels	Tool Steels	Stainless Steels	Nickel Base Alloys	Titanium Alloys
Machines in Poor Condition	A36	1010, 1020 1045	6061, 2011, 2024, 5052	4040 P20	A2, H13, S7, M-Series	316, 304 17-4 PH, 15-5 PH	Inconel, Monel, Waspalloy	Ti-6Al-4V
		040A22 080A42		708M40, 805M17		315S16, 304S15		
		Ck45 C16.8	AlCuBiPb AlCuMg2	42CrMo4 41CrMo4	X155CrVMoV51, (G)X40C4MoV51	S5CrNiMo18 10, X5CrNi18 10	NiCr19NbMo, NiCr19Co14Mo4Ti	
CLASSIC			LPX					
	RX				CONTESTOR / GT			

**Follow these guidelines to determine which type and size bandsaw you require. After you figure it out or if you need help figuring it out give us a call and we will gladly get you out what you need. Give us a call using any of our toll free numbers listed on the front of this catalog and a qualified technician will help you.**

# LENOX BANDSAW BLADE BUILD ORDER -- Call for Quote

SALESMAN \_\_\_\_\_

DATE \_\_\_\_\_

INVOICE NUMBER: \_\_\_\_\_

CUSTOMER \_\_\_\_\_

PAGE \_\_\_\_\_ OF \_\_\_\_\_

TOWN \_\_\_\_\_

STATE \_\_\_\_\_

ZIP CODE \_\_\_\_\_

PHONE NO. \_\_\_\_\_

ORDERED BY \_\_\_\_\_

P/O # \_\_\_\_\_ QUOTED PRICE \$ \_\_\_\_\_

SHIP METHOD \_\_\_\_\_ SHIP BY \_\_\_\_\_

NEXT DAY  2nd DAY

SAT. DEL  Authorized by \_\_\_\_\_

Length: \_\_\_\_\_

---

Built By: \_\_\_\_\_

**LENOX Rx**  
**For Manual Machines**  
 Multi-Operators  
 For Shapes  
 Milled Vari-tooth  
 M-42 8% Cobalt Edge  
 0° Rake in 6-10, 8-12  
 5° Positive Rake in 4-6, 5-8  
 10° Positive rake in 2-3, 3-4

**CLASSIC**  
**For Manual Machines**  
 Multi-Operators  
 For Shapes and Solids  
 Milled Tooth  
 M-42 8% Cobalt Edge  
 0° Rake Vari-Tooth  
 General Cutting

**LXP**  
**Production Machines**  
 M-42 8% Cobalt Edge  
 10° Positive Rake in 4-6  
 12° Positive rake in 2-3, 3-4

**DIEMASTER 2**  
 Tool & Die Cutting  
 M-42 8% Cobalt Edge  
 0° Rake Vari-Tooth  
 Milled Tooth

**CONTESTOR GT**  
**Production Machines**  
 For Big Bars  
 Ground Teeth  
 M-42 8% Cobalt Edge  
 10° Positive Rake Vari-Tooth

**MATRIX ELECTRON-WELD**  
**Portaband Premade**  
**3 Foot 8-7/8 Inch**  
**Size In Stock**

10-14 5/8 x .032

4-6 3/4 x .035  
 5-8 3/4 x .035  
 6-10 3/4 x .035  
 8-12 3/4 x .035  
 10-14 3/4 x .035

5-8 1 x .035

6-10 1/2 x .025  
 8-12 1/2 x .025  
 10-14 1/2 x .025  
 14-18 1/2 x .025

2-3 1 x .035  
 3-4 1 x .035  
 4-6 1 x .035

14 1/2x.020  
 10-14 1/2x.020  
 14-18 1/2x.020

2-3 1-1/4 x .042  
 3-4 1-1/4 x .042  
 4-6 1-1/4 x .042

2-3 1 x .035  
 3-4 1 x .035  
 4-6 1 x .035  
 5-8 1 x .035  
 6-10 1 x .035  
 8-12 1 x .035  
 10-14 1 x .035

5-8 1-1/4 x .042

6 1/2 x .035  
 10 1/2 x .035

2-3 1-1/4 x .042  
 3-4 1-1/4 x .042  
 4-6 1-1/4 x .042

**MATRIX ELECTRON-WELD**  
 2-3 1 x .035

**PRODUCTION BAND**  
**Production Machines**  
 For Big Bars  
 Milled Teeth Cold Forged  
 M-42 8% Cobalt Edge  
 8° Positive Rake Vari-Tooth

5-8 1-1/4 x .042

**FOR NEW WIDTH BANDSAW BLADES**  
 A SLIGHT ADJUSTMENT TO YOUR MACHINE MAY BE NEEDED.

Will Be Sold As	New Width	Metric Width	Old Width	Same Thickness
1 inch	1.068"	27mm	1.000"	x .035"
1-1/4 inch	1.348"	34mm	1.250"	x .042"
1-1/2 inch	1.613"	41mm	1.500"	x .050"

## V6

## TROUBLESHOOTING: QUICK REFERENCE CHART

OBSERVATION # & DESCRIPTION	Band Speed	Band Wheels	Break-in Proced.	Chip Brush	Cutting Fluid	Feeding Rate	Side Guides	Back-up Guides	Preload Condition	Band Tension	Band Tracking	Tooth Pitch
#1 Heavy even wear on tips & corners of teeth	X		X		X	X						
#2 Wear on both sides of teeth							X	X				
#3 Wear on one side of teeth		X					X					
#4 Chipped or broken teeth			X			X						X
#5 Discolored tips of teeth due to excessive frictional heat	X				X	X						
#6 Tooth strippage	X		X	X	X	X						X
#7 Chips welded to tooth tips	X			X	X	X						
#8 Gullets loading up with material				X	X	X						X
#9 Heavy wear on both sides of band					X		X					
#10 Uneven wear or scoring on sides of the band							X					
#11 Body breakage or cracks from gullets							X		X	X		
#12 Body breakage - fracture traveling in angular direction							X		X			
#13 Body breakage or cracks from back edge						X		X	X	X	X	
#14 Heavy wear and/or swaging on back edge						X		X	X		X	
#15 Butt weld breakage						X	X	X	X	X	X	
#16 Used band is "long" on the tooth edge		X				X	X		X		X	
#17 Used band is "short" on the tooth edge		X				X	X					
#18 Band is twisted into figure "8" configuration		X				X	X	X	X	X	X	
#19 Broken band shows a twist in band length		X				X	X	X	X	X	X	
#20 Heavy wear in only the smallest gullets	X					X						X

Flexible Alloy Steel Back and Welded Tool Steel Edge  
 Less than 3 teeth in the work will strip out teeth,  
 More than 24 teeth in the work will cause problems

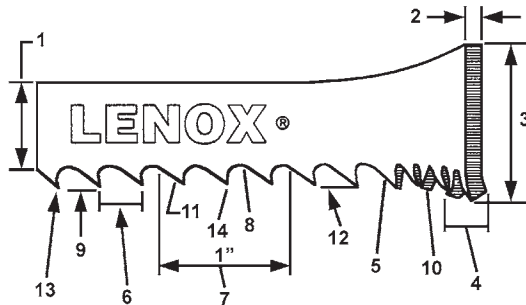


This composite welded edge band blade may well be the most important band blade development of the 80's. Combining a remarkable new metallurgy with an interrupted-tooth cutting edge (Mix-Tooth) and electron-beam welding the cutting edge to a special alloy back, has produced a tough, wear-resistant blade that gives astonishing performance in cutting materials of varying cross-section such as pipe, tubing, structurals, etc. as well as solids because you can increase blade speed and feed pressure. The Matrix Modified Mix-Tooth Blade can be run at higher speeds with heavier feeds because its tough high Cobalt content Mix-Tooth cutting edge resists shock and vibration which leads to tooth chipping and stripping.

Length Ft & In	x	Width Inches	For Bandsaw Type
3-8-7/8	x	1/2	Black & Decker 3121, 3123, Milwaukee Portaband Rigid 941, 942, 943, Rockwell Portaband 725, 726, 524
4-5-3/4	x	1/2	Black & Milwaukee, Rockwell 728, Greenlee 531, Rigid 944
4-6	x	1/2	DoAll Portaband. Ensley 721, 722, Miller Falls 9954
5-0	x	1/2	Wellsaw, 49A, 49, Junior 300 Sears
5-4	x	1/2	Wellsaw 57
5-4-1/2	x	1/2	Bainbridge Rigid 945. Wilton 3073. Emerson 4525A. 10-1465. 10-1466. 10-1451. 10-1455
6-1	x	1/2	Wilton 3130, 3230, 3110
7-5	x	1/2	Kalamazoo 610, 7A-D, 7A-W, C7A-D, M7A-D, M7A-W, Kysor Johnson BD1, BW3, MB1, B, M
7-5	x	5/8	Kalamazoo 7AD, 7AW, C7AD, M7A-D, M7A-W
7-9	x	1/2	Wellsaw 58B, Rockwell 28300
7-9	x	3/4	Kysor Johnson MR1, RD1, RW3
7-10	x	1/2	W.F.Wells A7, A, A6, Keller B-11
7-11	x	1/2	Rockwell 7V-20900
8-2	x	3/4	Startrite H175D, H175W, H175MD, H175MW
8-2-1/2	x	1/2	Wellsaw 5
8-2-1/2	x	3/4	Wellsaw 600
8-2-1/2	x	5/8	Wellsaw 600
8-5	x	3/4	Wilton 3500, 3535
8-10	x	3/4	Marvel 612, Olson 0100
8-10	x	5/8	Marvel 612, Olson 0100
8-11	x	3/4	Emerson 10-2720 Dry, 10-2721, 10-1700, 10-1701, Ridgid 970, Rockwell 6W
9-0	x	1/2	HEM 500
9-7	x	3/4	Carolina HD-9
9-8	x	3/4	Carolina HD-10
9-9	x	3/4	Olson 912
9-9	x	5/8	Olson 912
10-5	x	3/4	Kalamazoo 816
10-9	x	3/4	Rockwell 20916L, 20916
10-10-1/2	x	3/4	Kalamazoo 8C, 9A, 9AD, 9AW
10-10-1/2	x	1	Kalamazoo H9AD, H9AW, H9A, AH9AW
11-0	x	3/4	HEM 750, 750A, DoAll C-5A, C-10
11-0	x	1	DoAll C-4, C4A, C5A, C12, C410A, Rockwell 7, 7A, Startrite H225D, H225W
11-5	x	3/4	Johnson J, Kysor Johnson KJ10D1, KJ1DW3
11-5	x	1	Kysor Johnson KJ10HW3, JH
11-6	x	3/4	Johnson J, Wellsaw 8, 875, 7A, 7B, W.F.Wells W, L9, L, M, W9, H
11-6	x	1	Johnson High Speed A-12, JH, HSA, HS, M12, Wellsaw New 8, Wellsaw 800, 850, 1000, 1075, US Amada, H2505A, W.F.Wells L9
11-7	x	1	W.F.Wells, L9 Alternate
11-9	x	1	Wilton 3600, 3610
12-0	x	1	DoAll C41 through C80, C169, C170, C180, C1216, Peerless 1214, 1216, 1216M, 1216MH, 1200, 1200M, 1400, 2216, Emerson 10-2000, 10-2001, Olson 1216, Johnson Amada CHA 3005, Pehaka HSE260, HSL260, ROB200SL, 250SL, 250S, GBS150
12-1	x	1	Kalamazoo H8A-D, H8AW, HEM 1000, Olson 1216
12-6	x	1	Kalamazoo H10M, H10A, Marvel Series 13A, Rockwell 10-10A, 12A, 2B-340, 2B-345
12-10	x	1	HEM 1000A, 1000AH, Wellsaw 54G, DoAll 2012-2A
13-4	x	1	DoAll C7, C8, C8A, C9, C9A, C9V, C9AV, C1212A, C1212M
13-6	x	1	HEM 1000LA, Wells 1200, 1270, 1272
13-11	x	1	Kalamazoo 1220, 13AD, 13AW, 13A
14-3	x	1	DoAll TF14 Series
14-6	x	1	W.F.Wells Q14, Marvel 18 Mark 1, Series 81, 81A, DoAll MX-20, 36-3
14-8	x	3/4	Marvel 8 Standard
15-0	x	1	DoAll TF20, 18A, Milband A50, A60
15-6	x	1	Kalamazoo 14A with 1" Blade, Marvel 8/M2 Mark 1, Series 15, 15A, DoAll 26-3
15-8	x	3/4	Marvel 8/M2, 8MG1, 8/M2/M8
16-2	x	1	Kalamazoo VTH21M, VTH21A, VTH215A
250 ft.Coil	x	1/2	For welding your own blades
250 ft.Coil	x	5/8	For welding your own blades
250 ft.Coil	x	3/4	For welding your own blades
250 ft.Coil	x	1	For welding your own blades

**LENOX RX and CLASSIC VARI-TOOTH BANDSAW BLADES**  
**BANDSAW BLADES MADE HERE INSTANTLY**

For Intermediate Sizes, Use Next Longer Length for Price.  
 Give Exact Length & Tooth Count When Ordering.



1. **Blade Back** - The body of the blade not including tooth portion.
2. **Thickness** - The thickness of the blade.
3. **Width** - The nominal dimension of a saw blade as measured from tip of the tooth to the back of the band.
4. **Set** - The bending of teeth to right or left to allow clearance of the back through the cut.
5. **Tooth** - The cutting portion of a saw blade.
6. **Tooth Pitch** - The distance from the tip of one tooth to the tip of the next tooth.
7. **T.P.I.** - The number of teeth per inch.
8. **Gullet** - The curved area at the base of the tooth.
9. **Gullet Depth** - The distance from the tooth tip to the bottom of the gullet.
10. **Tooth Face** - The surface of the tooth on which the chip is formed
11. **Tooth Back** - the surface of the tooth opposite the tooth face.
12. **Tooth Back Clearance Angle** - The angle of the tooth back measured in relation to the cutting direction of the saw.
13. **Tooth rake angle** - the angle of the tooth face measured with respect to a line perpendicular to the cutting direction of the saw.
14. **Tooth Tip** - The cutting edge of the saw tooth.



Length (Feet)	DIEMASTER M42 1/2 Per Each	LENOX RX B-32 and CLASSIC M-42 5/8, 3/4 Per Each	LENOX RX B-32 and CLASSIC M-42 1 x .035 Per Each	LENOX RX B-32 and CLASSIC M-42 1-1/4 x .042 Per Each	PRODUCTION BAND 1-1/4 x .042 CONTESTOR 1-1/4 x .042 Per Each
3'8-7/8"	\$12.15				
4'5-3/4"	23.26				
5	22.79	\$23.75	\$27.28		
5-1/2	24.80	25.86	29.76		
6	26.61	27.76	32.00		
6-1/2	28.62	29.87	34.48		
7	30.43	31.77	36.71		
7-1/2	32.44	33.88	39.19		
8	34.25	35.78	41.43		
8-1/2	36.26	37.88	43.91		
9	38.07	39.78	46.14		
9-1/2	40.08	41.89	48.62		
10	41.88	43.79	50.86	\$63.84	\$73.76
10-1/2	43.89	45.90	53.34	66.71	77.45
11	45.70	47.80	55.57	69.85	80.77
11-1/2	47.71	49.91	58.05	72.72	84.46
12	49.52	51.81	60.29	75.86	87.78
12-1/2	51.53	53.92	62.77	78.74	91.46
13	53.34	55.82	65.00	81.88	94.78
13-1/2	55.35	57.93	67.48	84.75	98.47
14	57.16	59.83	69.72	87.89	101.79
14-1/2	59.17	61.94	72.20	90.76	105.48
15	60.97	63.84	74.43	93.90	108.79
15-1/2	62.98	65.95	76.91	96.78	112.48
16	64.79	67.85	79.15	99.92	115.80
16-1/2	66.80	69.96	81.63	102.79	119.49
17	68.61	71.85	83.86	105.93	122.81
17-1/2	70.62	73.96	86.34	108.80	126.49
18	72.43	75.86	88.58	111.94	129.81
18-1/2	74.44	77.97	91.06	114.82	133.50
19	76.25	79.87	93.29	117.96	136.82
19-1/2	78.26	81.98	95.77	120.83	140.51
20	80.06	83.88	98.01	123.97	143.82

Quantity Discounts: 2 pcs. 15%; 5 pcs. 20%; 10 pcs. 25%; 25 pcs. 28.5%; 50 pcs. 31%; 100 pcs. 32.7%.

**LENOX LUBE TUBE**

Lube tube is an extreme lubricant to prevent the buildup of frictional heat on metal surfaces. To be applied to band saw blades and other cutting tools to improve overall tool life and productivity. Improves tool life when sawing, drilling, milling, grinding, treading or tapping. Can be used on ferrous and non-ferrous metals, aluminum gates and risers, plate and extrusions. It is biodegradable, non-toxic, and non-staining.

Part Number	Our Sequence Number	Per Each
<b>LUBE TUBE</b>	336495	<b>\$10.99</b>

**LENOX BAND-ADE® SAWING FLUID, CLEANER & MICRONIZER**

Part Number	Description	Our Sequence Number	Per Each
<b>2-1/2 Gallon</b>	Band-Ade Sawing Fluid	336494	<b>\$76.74</b>
<b>5 Gallon</b>	Band-Ade Sawing Fluid	336496	<b>140.03</b>
<b>55 Gallon</b>	Band-Ade Sawing Fluid	3364982	<b>1230.67</b>
<b>1 Gallon</b>	Machine Cleaner Fluid	336498	<b>28.33</b>
<b>1 Gallon</b>	Cutting Fluid for Micronizer	336497	<b>121.87</b>



Generic is for example: 1/4 C Part no. is for example: 1/4 Drill			<b>ECONOMY CLELINE</b> 118° Point 1800/1899 SRFTRT		<b>BEST CLEFORGE</b> 118° Point 2001 SRTFTRT		<b>SUPER Cobalt CLEFORGE</b> 135° Split Pt. 2013/2213 Bronze		<b>HEAVY DUTY CLELINE</b> 135° Point 1804/1897 SRFTRT		<b>SHORT LENGTH CLELINE</b> 135° Split Pt. 1810/1896 SRFTRT	
Diam. Inches	Overall Lgth. In.	Pkg. Qty.	Our Sequence Number	Per Each	Our Sequence Number	Per Each	Our Sequence Number	Per Each	Our Sequence Number	Per Each	Our Sequence Number	Per Each
			1800DR		2001DR		2013DR		1840DR		1810DR	
1/64	3/4	10	....	\$....	005220	\$3.53	006250	\$4.41	....	\$....	....	\$....
1/32	1-3/8	10	....	....	005222	2.15	006252	4.03	....	....	....	....
3/64	1-3/4	10	....	....	005224	1.51	006254	2.61	....	....	....	....
1/16	1-7/8	10	005500	0.61	005226	1.52	006256	2.06	....	....	005362	0.83
5/64	2	10	005502	0.63	005228	1.61	006258	2.23	007944	0.63	005364	0.86
3/32	2-1/4	10	005504	0.66	005230	1.59	006260	2.33	....	....	005366	0.89
7/64	2-5/8	10	....	....	005232	1.60	006262	2.52	....	....	005368	0.90
1/8	2-3/4	10	005508	0.75	005234	1.61	006264	2.66	....	....	005370	0.92
9/64	2-7/8	10	005510	0.85	005236	1.70	006266	2.90	....	....	005372	0.99
5/32	3-1/8	10	005512	0.89	005238	1.84	006268	3.28	007954	1.24	005375	1.09
11/64	3-1/4	10	005514	0.94	005240	1.93	006270	3.37	....	....	005377	1.17
3/16	3-1/2	10	005516	1.05	005242	2.12	006272	3.82	....	....	005380	1.22
13/64	3-5/8	10	005518	1.20	005244	2.24	006274	4.60	....	....	005382	1.36
7/32	3-3/4	10	005520	1.29	005246	2.63	006276	5.46	....	....	005385	1.47
15/64	3-7/8	10	005522	1.44	005248	2.86	006278	5.55	....	....	005387	1.53
1/4	4	10	005524	1.55	005250	2.94	006280	5.16	....	....	005390	1.59
17/64	4-1/8	10	005526	1.69	005252	3.53	006282	6.60	....	....	005392	1.90
9/32	4-1/4	10	005528	1.91	005254	3.64	006284	6.66	....	....	005396	1.96
19/64	4-3/8	6	005530	2.13	005256	4.38	006286	8.40	....	....	005397	2.19
5/16	4-1/2	5	005532	2.30	005258	4.57	006288	8.15	....	....	005401	2.24
21/64	4-5/8	5	005534	2.58	005260	5.36	006290	9.26	....	....	005404	2.71
11/32	4-3/4	5	005536	2.86	005262	5.82	006292	10.77	007978	3.34	....	....
23/64	4-7/8	5	005538	3.22	005264	6.61	006294	12.77	....	....	005407	3.19
3/8	5	5	005540	3.39	005266	6.61	006296	11.76	....	....	005410	3.32
25/64	5-1/8	5	005542	3.81	005268	7.96	006298	14.43	....	....	005412	3.78
13/32	5-1/4	5	005544	3.98	005270	8.39	006300	15.52	....	....	005415	3.88
27/64	5-3/8	5	005546	4.43	005272	8.96	006302	15.07	007988	4.86	....	....
7/16	5-1/2	5	005548	4.65	005274	9.34	006304	16.85	....	....	005420	4.35
29/64	5-5/8	5	005550	4.93	005276	10.87	006306	16.99	007992	5.82	005422	5.06
15/32	5-3/4	5	005552	5.38	005278	10.54	006308	20.74	....	....	005425	5.39
31/64	5-7/8	5	005554	5.80	005280	11.60	006310	21.98	007996	6.28	005427	5.58
1/2	6	5	005556	6.08	005282	12.00	006312	20.84	....	....	005430	5.63

No. 2001 Old 917 - Fractional Sizes  
High Speed Steel Black

Size Inches	Overall Lgth. Ins.	Our Sequence Number	Per Each
33/64	6-5/8	005300	\$18.96
17/32	6-5/8	005305	19.93
35/64	6-5/8	005310	21.79
9/16	6-5/8	005315	31.15
37/64	6-5/8	005320	23.56
19/32	7-1/8	005325	35.07
39/64	7-1/8	005330	25.33
5/8	7-1/8	005335	26.31
41/64	7-1/8	005340	29.41
21/32	7-1/8	005345	30.29
43/64	7-5/8	005350	31.98
11/16	7-5/8	005355	32.69

CLEVELAND BLACKSMITHS' DRILLS



No. 1836 and 1892-High Speed  
Steel Shank 1/2" diameter, 2-1/4" long.  
In round shanks only. Overall Length 6 ins.  
For small sizes use No. 972 1/4" Shank Drill.  
Generic is for example: 5/8 Drill

Diam. Inches	Sequence Number	Per Each	Diam. Inches	Sequence Number	Per Each
1/2	007501	\$12.26	47/64	007538	\$17.77
33/64	007503	12.26	3/4	007541	18.51
17/32	007506	12.42	49/64	007543	18.98
35/64	007508	12.91	25/32	007547	18.98
9/16	007512	13.45	13/16	007551	20.19
37/64	007514	13.99	27/32	007556	20.85
19/32	007516	13.99	7/8	007561	21.71
39/64	007518	14.39	29/32	007566	23.13
5/8	007521	14.40	15/16	007571	24.05
41/64	007524	15.42	31/32	007576	26.06
21/32	007526	15.42	1	0075815	27.59
43/64	007528	16.26	1-1/16	007586	36.23
11/16	007531	16.94	1-1/8	007591	46.78
45/64	007534	16.85	1-3/16	007597	43.15
23/32	007536	16.85	1-1/4	007601	46.78

DRILL ASSORTMENTS WITH INDEX CLEVELAND

**JOBBER'S LENGTH  
2006 LEFTHAND  
CLEFORGE  
118° Point**

Size Inches	Our Seq. Number	Per Each
1/8	004775	\$5.16
3/16	004800	7.12
1/4	004802	11.16
5/16	004804	13.20
3/8	004806	19.75
7/16	004808	27.06
1/2	004810	34.54



A drill stand and indexed container with a place for each drill marked with size and decimal equivalent. Panels of drills are hinged and fold into the box like pages of a book. Drills will not fall out of place even though shortened half their length by sharpening. Compact and convenient.

**Index Containers  
Cline Surface Treated  
Jobber's Length Drills with Index**

No.	Our Sequence Number	Per Each
15-2006LH-Part	6 sizes lefthand jobber drills from 1/8.3/16.1/4.5/16.3/8.1/2	DC7010 \$120.45
29-1800-All	29 high speed steel jobbers drills from 1/16 to 1/2 by 64ths.	DC70502 104.35
29-1800-Most	15 high speed steel jobbers drills from 1/16 to 1/2 by 32nds.	DC70501 62.27
29-2013CBLT-All	29 sizes cobalt jobbers drills from 1/16 to 1/2 by 64ths	DC7040 307.54
29-2013CBLT-Most	15 sizes cobalt jobbers drills from 1/16 to 1/2 by 32nds	DC7050 166.78
2029-1810-All	29 sizes short drills from 1/16 to 1/2 by 64ths	DC7070 96.62

CALL FOR QUANTITY DISCOUNTS

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1-800-228-9222 www.baumhydraulics.com

Prices subject to change without notice

Generic is for example: 1/4 END  
Part no. is for example: 1/4 E



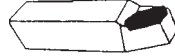
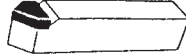
Two Flute Single End Mills Center Cutting High Speed Keyway Tolerance				Four Flute Single End Mills Center Cutting High Speed Regular				Cobalt Regular				Four Flute Double End Mills Center Cutting High Speed Regular				Cobalt Regular			
Mill Diam Inches	Shank Diam. Inches	Our Sequence Number	Per Each	Shank Diam. Inches	Our Sequence Number	Per Each	Our Sequence Number	Per Each	Shank Diam. Inches	Our Sequence Number	Per Each	Our Sequence Number	Per Each	Shank Diam. Inches	Our Sequence Number	Per Each	Our Sequence Number	Per Each	
<b>HG-2K / 686</b>				<b>HG-4C / 583</b>				<b>HGC-4C / 556</b>				<b>HD-4C / 582</b>				<b>HDC-4C / 567</b>			
1/8	3/8	004392	\$17.07	3/8	004328	\$14.42	004176	\$13.66	3/8	004310	\$20.21	004216	\$17.00	3/8	004310	\$20.21	004216	\$17.00	
3/16	3/8	0043921	15.40	3/8	004329	13.13	004178	12.43	3/8	004312	18.35			3/8	004312	18.35			
1/4	3/8	0043922	15.40	3/8	004330	13.15	004180	12.45	3/8	004314	17.83	004220	16.90	3/8	004314	17.83	004220	16.90	
5/16	3/8	0043923	15.94	3/8	004331	13.30	004182	12.40	3/8	004316	18.41	004222	17.15	3/8	004316	18.41	004222	17.15	
3/8	3/8	0043924	15.94	3/8	004332	14.45	004184	13.47	3/8	004318	18.41	004224	17.15	3/8	004318	18.41	004224	17.15	
1/2	1/2	0043925	29.52	1/2	004333	18.18	004186	16.95	1/2	004320	26.95	004226	23.99	1/2	004320	26.95	004226	23.99	
5/8	5/8	0043926	35.99	5/8	004334	32.67	004188	34.00	5/8	004322	50.44	004228	50.67	5/8	004322	50.44	004228	50.67	
3/4	3/4	0043927	39.98	3/4	004336	38.48	004190	43.24	3/4	004324	62.94	004230	66.41	3/4	004324	62.94	004230	66.41	
1				1	004338	58.38													
1-1/4				1-1/4	004340	83.52													
1-1/2				1-1/4	004342	109.50													
2				1-1/4	004344	157.19													

Qty. Disc: 2 pkgs. 2%, 5 pkgs. 3%, 10 pkgs. 5%

Date: 2500

**KENNAMETAL K-21 CARBIDE  
TIPPED CUTTERS**

For use in Carbide Tool Holders  
Grade K-21 For steel roughing and general purpose.  
Grade K-68 For cast iron and non-ferrous metals.



Style AR

Style D

Style BL

**SQUARE SHANK TURNING CUTTERS**

Part Number	Height Inch	Shank Size		Length Inch	Nose Radius	Our Sequence Number	Per Each
		Width Inch	Length Inch				
<b>Style AR-Right Hand-Kennametal K-21-For Steel</b>							
AR-4 K-21	1/4	1/4	2	1/64	496832	\$7.91	
AR-5 K-21	5/16	5/16	2-1/4	1/64	496896	9.01	
AR-6 K-21	3/8	3/8	2-1/2	1/64	496960	9.20	
AR-7 K-21	7/16	7/16	3	1/32	497024	9.43	
AR-8 K-21	1/2	1/2	3-1/2	1/32	497088	11.53	
AR-10 K-21	5/8	5/8	4	1/32	497152	16.29	
<b>Style AL-Left Hand-Kennametal K-21-For Steel</b>							
AL-4 K-21	1/4	1/4	2	1/64	496510	7.91	
AL-5 K-21	5/16	5/16	2-1/4	1/64	496512	9.01	
AL-6 K-21	3/8	3/8	2-1/2	1/64	496576	9.20	
AL-7 K-21	7/16	7/16	3	1/32	496640	9.43	
AL-8 K-21	1/2	1/2	3-1/2	1/32	496704	11.53	
AL-10 K-21	5/8	5/8	4	1/32	496768	16.29	
<b>Style BR-Right Hand-Kennametal K-21-For Steel</b>							
BR-4 K-21	1/4	1/4	2	1/64	497408	7.91	
BR-5 K-21	5/16	5/16	2-1/4	1/64	497472	9.01	
BR-6 K-21	3/8	3/8	2-1/2	1/64	497536	9.20	
BR-8 K-21	1/2	1/2	3-1/2	1/32	497600	11.53	
<b>Style BL-Left Hand-Kennametal K-21-For Steel</b>							
BL-4 K-21	1/4	1/4	2	1/64	497216	7.91	
BL-5 K-21	5/16	5/16	2-1/4	1/64	497280	9.01	
BL-6 K-21	3/8	3/8	2-1/2	1/64	497344	9.20	
BL-8 K-21	1/2	1/2	3-1/2	1/32	497345	11.53	
<b>Style D-80 Degree-Kennametal K-21-For Steel</b>							
D-4 K-21	1/4	1/4	2	1/64	497664	7.47	
D-5 K-21	5/16	5/16	2-1/4	1/64	497728	10.46	
D-6 K-21	3/8	3/8	2-1/2	1/64	497792	9.20	

**SQUARE SHANK THREADING CUTTERS**



Part Number	Height Inch	Shank Size		Length Inch	Our Sequence Number	Per Each
		Width Inch	Length Inch			
<b>Style E 60 Degree</b>						
E-4 K-21	1/4	1/4	2		497856	\$7.47
E-5 K-21	5/16	5/16	2-1/4		497920	8.67
E-6 K-21	3/8	3/8	2-1/2		497984	8.92
E-7 K-21	7/16	7/16	3		498048	10.82
E-8 K-21	1/2	1/2	3-1/2		498112	11.07
E-10 K-21	5/8	5/8	4		498176	17.47

Cutters Qty. Disc: 10 pkgs. 15%

**MO-MAX COBALT CUT-OFF BLADES**

Generic is for example:  
3/32x5/8 CUT



**Part Number**

Thickness Inches x Height Inches x Overall Length In.	Std. Pkg.	Our Sequence Number	Per Each
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**Cobalt Ground No. 858**

For Armstrong and New Style Williams Holders

3/32x5/8x5	1	005052	\$49.66
1/8x3/4x5	1	005054	61.14
1/8x7/8x6	1	005056	70.15

**Cobalt For Other Holders No. 857**

1/8x1x6-1/2	1	005040	857CUT 75.74
3/16x1x6-1/2	1	005042	76.06
1/4x1x6-1/2	1	005044	104.10

**Cobalt T Shaped Blades No. 864**

P3 1/8x11/16x5	1	005060	864CUT 33.83
P4 5/32x11/16x5	1	005062	41.25
P5 3/16x7/8x6	1	005064	51.54

**MO-MAX COBALT & HIGH SPEED GROUND TOOL BITS**

Generic is for example:  
1/8x2-1/2 TOOL



Square, with both ends beveled 10°. Hardened with ground finish.

Part Number Inches Square x Overall Length Inches	Std. Pkg.	855 Cobalt		850 High Speed	
		Our Sequence Number	Per Each	Our Sequence Number	Per Each
1/8x2-1/2	1	005104	855TOOL \$8.28	005084	850TOOL \$5.49
3/16x2-1/2	1	005106	8.12	005086	5.49
1/4x2-1/2	1	005108	8.85	005088	5.74
5/16x2-1/2	1	005110	10.38		....
3/8x3	1	005112	14.41	005090	9.36
1/2x4	1	005120	30.71	005092	19.45

Mo-Max Qty. Disc: 10 pkgs 5%

**BAUM THREAD CUTTING OIL**

Date: 3000



Part Number	Description	Our Sequence Number	Per Each
1 Gallon	Jug Dark Cutting Oil	143744	\$42.16
1 Gallon	Jug Clear Cutting Oil	143872	42.16
5 Gallon	Pail Dark Cutting Oil	143808	168.42
5 Gallon	Pail Clear Cutting Oil	143936	168.42



TAPER

PLUG

BOTTOMING

Generic is for example: 1/4 Fine Tap

SCREW TAPS

Size inches	HIGH SPEED BRIGHT COARSE			HIGH SPEED BRIGHT FINE			Per Each	HIGH SPEED SPIRAL POINT GUN TAP		
	1001 TAPER	1002 PLUG	1003 BOTTOM	1001 TAPER	1002 PLUG	1003 BOTTOM		1011 PLUG	1011 PLUG	Per Each
	Our Sequence Number	Our Sequence Number	Our Sequence Number	Our Sequence Number	Our Sequence Number	Our Sequence Number		Our Sequence Number	Our Sequence Number	
	1001NC	1002NC	1003NC	1001NF	1002NF	1003NF		1011NC	1011NF	
6-32		147504					\$6.00	149888		\$5.87
8-32		147508					6.28	149952		5.87
10-24	1466232	147512					6.28	150016		5.87
10-32				147070	147964		6.28		150360	5.87
12-24		147516					7.29			....
1/4	146624	147520	148416	147072	147968	148864	6.82	150080	150362	5.87
5/16	146688	147584	148480	147136	148032	148928	8.34	150144	150364	6.35
3/8	146752	147648	148544	147200	148096		9.43	150208	150366	8.08
7/16	146816	147712	148608	147264	148160	149056	16.21	150272	150368	12.72
1/2	146880	147776	148672	147328	148224	149120	19.14	150336	150370	15.18
9/16	146882	147778	148674	147330	148226	149122	30.14			....
5/8	146944	147840	148736	147392	148288	149184	34.67	150338	150372	29.43
3/4	147008	147904	148800	147456	148352	149248	48.54	150340	150374	43.41
7/8	147010	147906	148802	147458	148354	149250	67.66			....
1	147012	147908	148804	147460	148356	149252	90.01			....

METRIC TAPS

Metric Size	ISO COARSE			Per Each	Metric Size	FINE			Per Each
	1001 TAPER	1002 PLUG	1003 BOTTOM			1001 TAPER	1002 PLUG	1003 BOTTOM	
	Our Sequence Number	Our Sequence Number	Our Sequence Number			Our Sequence Number	Our Sequence Number	Our Sequence Number	
	MECOTP	MECOTP	MECOTP			MEFITP	MEFITP	MEFITP	
M6x1	162600	162635	162680	\$8.97	----				\$....
M8x1.25	162605	162640	162685	9.87	M8x1	162602	162637	162682	9.68
M10x1.5	162610	162645	162690	12.90	M10x1.25	162607	162642	162687	18.42
M12x1.75	162615	162650	162695	21.76	M12x1.25	162612	162647	162692	22.03
M14x2	162618	162653	162698	32.84	M14x1.5	162617	162652	162697	32.84
M16x2	162620	162655	162700	40.41	M16x1.5	162619	162654	162699	40.41
M18x2.5	162622	162657	162703	54.34	M18x1.5	162621	162656	162702	54.34
M20x2.5	162625	162660	162705	73.75	M20x1.5	162623	162658	162704	73.75
M24x3	162628	162664	162709	102.72	M24x2	162627	162662	162707	102.72

Qty. Disc: 10 pkgs. 5%

PIPE TAPER TAPS

Size Inches	NPTF Dryseal For Cast Iron Hydraulic 970B Surface Treated		NPT Economy Low Pressure High Speed 462	
	Our Sequence Number	Per Each	Our Sequence Number	Per Each
		3150TP		462TAP
1/8-27	150461	\$24.91	150410	\$15.86
1/4-18	150462	28.35	150412	16.83
3/8-18	150463	37.34	150414	22.81
1/2-14	150467	57.66	150416	35.43
3/4-14	150469	80.64	150418	51.69
1-11-1/2	150472	122.64	150420	88.45
1-1/4-11-1/2	150474	180.03	----	....
1-1/2-11-1/2	150476	241.51	----	....
2-11-1/2	150478	328.53	----	....

TAP DRILL SIZE CHART

Size Inch	COARSE						Fine Threads Per In.	FINE						
	Tight		Medium		Loose			Tight		Medium		Loose		
	Coarse Thrds. Per In.	Tap Drill	Per Cent Thread	Tap Drill	Per Cent Thread	Per Cent Thread		Tap Drill	Per Cent Thread	Tap Drill	Per Cent Thread	Tap Drill	Per Cent Thread	
6	32	36	72%	7/64	64%	35	63%	40	34	75%	33	69%	32	60%
8	32	--	--	29	62%	28	51%	36	29	70%	28	57%	9/64	57%
10	24	25	69%	24	64%	23	61%	32	22	73%	21	68%	20	64%
12	24	17	73%	16	66%	15	60%	28	15	70%	14	66%	13	59%
1/4	20	7	70%	13/64	66%	6	65%	28	3	72%	7/32	59%	2	55%
5/16	18	F	72%	G	66%	17/64	59%	24	H	78%	I	67%	J	58%
3/8	16	5/16	72%	O	68%	P	59%	24	21/64	79%	Q	71%	R	58%
7/16	14	U	70%	3/8	62%	V	60%	20	W	72%	25/64	65%	X	55%
1/2	13	27/64	73%	--	--	7/16	58%	20	--	--	29/64	65%	--	--
9/16	12	15/32	82%	31/64	68%	--	--	18	1/2	80%	--	--	33/64	58%
5/8	11	17/32	75%	35/64	62%	--	--	18	9/16	80%	--	--	37/64	58%
3/4	10	41/64	80%	21/32	68%	--	--	16	--	--	11/16	71%	--	--
7/8	9	49/64	72%	25/32	61%	--	--	14	51/64	79%	13/16	62%	--	--
1	8	7/8	73%	57/64	64%	29/32	54%	14	NS	59/64	78%	--	15/16	61%

METRIC TAP DRILL SIZE CHART

Size Inch	Pitch	COARSE		Tight		Medium		Loose		Per Cent Thread
		Tap Drill	Per Cent Thread	Tap Drill	Per Cent Thread	Tap Drill	Per Cent Thread	Tap Drill	Per Cent Thread	
				mm		mm		mm		
M6	x 1	9	71%	5	70%	--	--	--	--	--
M8	x 1.25	--	--	6.7	74%	17/64	71%	--	--	--
M10	x 1.5	Q	75%	8.5	71%	--	--	--	--	--
M12	x 1.5	--	--	10.2	74%	Y	71%	--	--	--
M14	x 2	15/32	76%	12	72%	--	--	--	--	--
M16	x 2	35/64	76%	14	72%	--	--	--	--	--
M18	x 2.5	39/64	74%	15.5	73%	--	--	--	--	--
M20	x 2.5	11/16	74%	17.5	73%	--	--	--	--	--
M22	x 2.5	49/64	75%	19.5	73%	--	--	--	--	--
M24	x 3	--	--	21	73%	53/64	72%	--	--	--
FINE										
M8	x 1	--	--	7	69%	J	66%	--	--	--
M10	x 1.25	--	--	8.7	73%	11/32	71%	--	--	--
M12	x 1.25	27/64	72%	10.8	67%	--	--	--	--	--
M14	x 1.5	--	--	12.5	71%	--	--	--	--	--
M16	x 1.5	--	--	14.5	71%	--	--	--	--	--
M18	x 1.5	--	--	16.5	70%	--	--	--	--	--
M20	x 1.5	--	--	18.5	70%	--	--	--	--	--
M22	x 1.5	--	--	20.5	70%	--	--	--	--	--
M24	x 2	--	--	22	71%	--	--	--	--	--

**PROMPT WAREHOUSE SERVICE**  
**SAME DAY SHIPMENT**  
**WHEN YOU THINK OF HYDRAULICS, THINK OF US**  
**PHONE US FOR FAST SERVICE**



These dies fit all single stocked Little Giant screw plates. Generic is for example: 1/2 Coarse Die

Cutting Size Inches	Part Number	COARSE		Part Number	FINE	
		Our Sequence Number	Pair Each		Our Sequence Number	Pair Each
		0550NC			0550NF	
5/16 for No. 1	----		\$....	<b>66704</b>	157568	<b>\$22.30</b>
3/8 for No. 1	----		....	<b>66706</b>	157632	<b>29.61</b>
7/16 for No. 1	----		....	<b>66708</b>	157696	<b>29.61</b>
1/2 for No. 1	----		....	<b>66711</b>	157824	<b>32.91</b>
1/2 for No. 5	<b>66710</b>	157056	<b>34.06</b>	----	----	....
3/4 for No. 5	----		....	<b>66718</b>	158016	<b>41.37</b>

**LITTLE GIANT COLLETS SOLD AS SET INCLUDES 1 CAP & 1 GUIDE. DIES SOLD SEPARATELY**

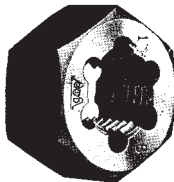
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Generic is for example: 1/2 Collet

COLLET #1 2" O.D.				COLLET #5 2-3/4 O.D.			
For Thread Size	Part Number	Our Sequence Number	Per Each	For Thread Size	Part Number	Our Sequence Number	Per Each
COLLET							
1/4	<b>66760</b>	158976	<b>\$25.66</b>	1/4	<b>66765</b>	158336	<b>\$47.74</b>
5/16	<b>66761</b>	159040	<b>27.21</b>	5/16	<b>66766</b>	158400	<b>47.74</b>
3/8	----	----	....	3/8	<b>66767</b>	158464	<b>52.57</b>
7/16	<b>66763</b>	159168	<b>27.21</b>	1/2	<b>66769</b>	158592	<b>47.74</b>
----	----	----	....	9/16	<b>66770</b>	158656	<b>47.74</b>
----	----	----	....	5/8	<b>66771</b>	158720	<b>47.74</b>

**HEXAGON RETHREADING DIES Date: 1000**



**Will Cut New Threads**

For use with ratchet, monkey, box, and open end wrenches or bit brace sockets. For dressing over brused or rusty threads. May be used for cutting occasional new threads. Furnished with N.C. (U.S.S.), and N.F. (S.A.E.) threads. N.C. will be furnished unless otherwise ordered. Generic is for example: 1/2 Coarse Die

Cutting Size Inches	Width Across Flats Ins.	COARSE		FINE		Per Each
		Threads Per Inch	Our Sequence Number	Threads Per Inch	Our Sequence Number	
			0650NC		0650NF	
1/4	19/32	20	161600	28	162240	<b>\$15.67</b>
5/16	11/16	18	161664	24	162304	<b>17.01</b>
3/8	25/32	16	161728	24	162368	<b>19.04</b>
7/16	7/8	14	161792	20	162432	<b>19.08</b>
1/2	1-1/16	13	161856	20	162496	<b>21.84</b>
9/16	1-1/16	12	161920	18	162560	<b>21.83</b>
5/8	1-1/4	11	161984	19	162562	<b>24.23</b>
3/4	1-7/16	10	162048	16	162564	<b>28.24</b>
7/8	1-5/8	9	162112	14	162566	<b>31.89</b>
1	1-13/16	8	162176			<b>41.81</b>

Dies Qty. Disc: 10 pkgs. 5%

**COMBINED DRILLS AND COUNTERSINKS Date: 3700**

**No. 998-High Speed Steel-60° Angle**

The drill ends are both of the same diameter. The included angles are 60° for centers.



Std. Pkg Two

Size No.	Diam. Body, Inches	Diam. Drill, Inches	Length Drill, Inches	Length Overall, Inches	Our Sequence Number	Per Each
1	1/8	3/64	3/64	1-1/4	005170	<b>\$10.60</b>
2	3/16	5/64	5/64	1-7/8	005172	<b>10.60</b>
3	1/4	7/64	7/64	2	005174	<b>10.86</b>
4	5/16	1/8	1/8	2-1/8	005176	<b>11.28</b>
5	7/16	3/16	3/16	2-3/4	005178	<b>16.73</b>
6	1/2	7/32	7/32	3	005180	<b>24.65</b>
8	3/4	5/16	5/16	3-1/2	005185	<b>46.42</b>

**No. 192**

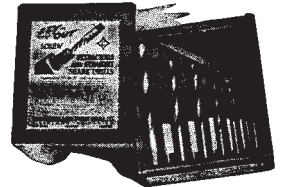


Ezy-out Screw Extractors have left hand, corkscrewlike spirals. When inserted in the hole drilled in a broken stud or screw these spirals grip the sides of the drilled hole and exert an untwisting action on the broken screw. This backs it out of the hole on its own threads as quickly as the unbroken screw could be backed out. Std. Pkg. Two

Size No.	For Screws and Bolts Inch	Diam. Small End, Inch	Diam. Large End, Inch	Use Drill Inch	Our Sequence Number	Per Each
1	3/16-1/4	.054	5/32	5/64	004992	<b>\$2.52</b>
2	1/4-5/16	.080	3/16	7/64	004994	<b>2.69</b>
3	5/16-7/16	1/8	1/4	5/32	004996	<b>3.13</b>
4	7/16-9/16	3/16	21/64	1/4	004998	<b>3.45</b>
5	9/16-3/4	1/4	7/16	17/64	005000	<b>4.70</b>
6	3/4-1	3/8	19/32	13/32	005002	<b>8.58</b>

**EZY-OUT SCREW EXTRACTOR SETS**

**No. 20 Set** - A most complete and convenient set for general use capable of handling any size bolt or screw up to one-inch. Includes Ezy-Out Extractors Nos. 1,2,3,4,5 and 6 high speed straight shank drills of the proper size to use with each extractor.

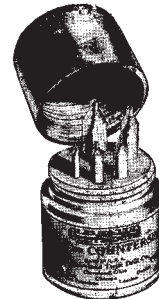


**No. 15A Set** - Similar to the No. 20 set with Nos. 1,2,3,4,5 and 6 Ezy-Out Extractors but without the straight shank drills.

Set Number	Our Sequence Number	Per Each
<b>20</b>	004930	<b>\$48.56</b>
<b>15A</b>	004926	<b>27.55</b>

**COMBINED DRILL AND COUNTERSINK SETS**

**60° Included Angles**



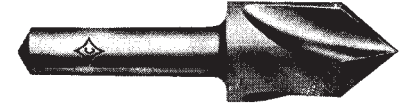
Composed of No. 998 Combined Drills and Countersinks in a range of sizes suitable to cover the center hole requirements of almost every shop. Contains sizes 1,2,3,4 and 5. Packed in a neat box with an individual hole for each tool.

Our Sequence Number Per Each

<b>No. 49 - High Speed Drill and Countersink Set</b>	004876	<b>\$41.71</b>
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**THREE-FLUTE COUNTERSINKS**

Date: 3700



**No. 1003-High Speed Steel-82° Angle**

Used for both portable and machine work. Center readily in pre-drilled holes. Chatter free performance.

Furnished with 82° included angle point for flat head cap screws. No. 3 and No. 4 head plow bolts, countersink head rivets, and flat and oval head stove bolts, machine screws, and wood screws.

Diam. Body Ins.	Diam. Shank Inches	Overall Length Inches	Std. Pkg.	Our Sequence Number	Per Each
1/2-82	1/4	1-27/32	2	005200	<b>\$27.76</b>
5/8-82	3/8	2-3/32	2	005204	<b>38.87</b>
3/4-82	3/8	2-13/32	2	005206	<b>48.26</b>

**SOAPSTONE HOLDERS**

Date: 3400



A convenient holder that prevents soapstone breakage. Made of nickel-plated steel with a pocket clip. Complete with one white soapstone.

**METAL WORKERS' CRAYON or SOAPSTONE**



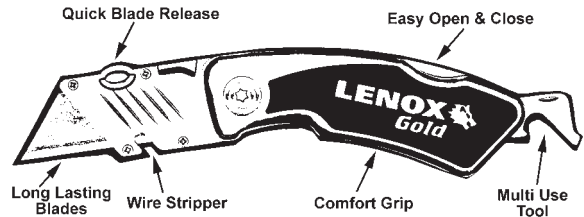
**SOLD & PRICED PER DOZ.**

Makes a mark which is not destroyed by heat or fire. Sawed from solid rock. It is hard and will hold an edge. Will not scratch. 5 inches long.

Part Number	Size Inches	Std. Pkg.	Our Sequence Number	Per Each
<b>Holder Flat</b>		2	597888	<b>\$4.76</b>
<b>Holder Round</b>		2	597890	<b>4.90</b>
<b>Flat Soapstone</b>	3/16 x 1/2		781608	<b>2.17</b>
<b>Round Soapstone</b>	1/4		781604	<b>2.20</b>

**LOCKING TRADESMAN UTILITY KNIFE AND BLADES**

Longest lasting utility blades  
 Quick blade release - secure locking mechanism  
 Comfort grip - ergonomic rubberized grip  
 Multi use tool - works as bottle opener, screwdriver, or pipe reamer



5 in a package

**REPLACEMENT BLADES**

Gold titanium edge  
 Patented bi-metal construction  
 4 Notch design  
 Shatterproof  
 TiN coated edge

KNIVES				REPLACEMENT BLADES			
Part Number	Description	Our Seq. Number	Per Each	Part Number	Description	Our Seq. Number	Per Each
10771	Locking tradesman utility knife	333417	\$24.67	20350	Utility knife blade 5 pack	333419	\$0.92

**LENOX GOLD BI-METAL BLADES**

Lasts longer - reinforced tooth design and titanium coating combine to create the longest lasting blade ever.

Shatter resistant - bi-metal technology flexes, resists breaking and extends blade life.

Cuts faster - specially formulated titanium edge improves the wear resistance of the teeth for faster cuts throughout the blade's life.



5 in a package

WOOD CUTTING						METAL CUTTING					
Size	Width x Thickness	Description	Part Number	Our Seq. Number	Per Each	Size	Width x Thickness	Description	Part Number	Our Seq. Number	Per Each
6-6	3/4 x .050	Nail-embedded	21060	333436	\$6.75	6-10	3/4 x .035	Wood/metal	21064	333438	\$5.68
9-6	3/4 x .060	Nail-embedded	21062	333435	8.87	8-10	3/4 x .050	Wood/metal	21065	333439	7.12
12-6	3/4 x .050	Nail-embedded	21061	333437	10.87	4-14	3/4 x .035	Thick metal	21066	333440	4.36
<b>HEAVY METAL CUTTING</b>						6-14	3/4 x .035	Thick metal	21067	333441	5.68
6-8	1 x .042	Thickest, heaviest	21092	333452	8.40	4-18	3/4 x .035	Thick metal	21068	333442	4.36
9-8	1 x .042	Thickest, heaviest	21096	333453	10.50	6-18	3/4 x .035	Medium metal	21069	333443	5.68
6-10	1 x .042	Extra thick, heavy	21093	3334555	8.40	8-18	3/4 x .035	Medium metal	21070	333444	7.12
9-10	1 x .042	Extra thick, heavy	21097	333454	10.50	4-24	3/4 x .035	Thin metal	21071	333445	4.36
12-10	1 x .042	Extra thick, heavy	21100	333455	12.60	6-24	3/4 x .035	Thin metal	21072	333446	5.68
6-14	1 x .042	Thick, heavy	21094	333456	8.40	8-24	3/4 x .035	Thin metal	21073	333447	7.12
9-14	1 x .042	Thick, heavy	21098	333457	10.50	<b>DEMOLITION</b>					
12-14	1 x .042	Thick, heavy	21101	333458	12.60	6-6	7/8 X .062	Demolition	21088	333448	11.11
6-18	1 x .042	Medium, heavy	21095	333459	8.40	9-6	7/8 X .062	Demolition	21090	333449	14.64
9-18	1 x .042	Medium, heavy	21099	333460	10.50	12-6	7/8 X .062	Demolition	21091	333450	19.50
12-18	1 x .042	Medium, heavy	21102	333461	12.60	9-10	7/8 X .062	Demolition	21089	333451	14.64

**NICHOLSON FILES AND HANDLES**

**MILL BASTARD FILES SINGLE CUT**



Intended for sharpening mill saws, circular saws, shears, axes, machine knives, etc.

Has square edges, and is tapered slightly in width and thickness near the end of the file. Single cut teeth.

Length, Inches	Inches	Our Sequence Number	Per Each
10	31/32 x 11/64	476800	\$8.69
12	1-5/32 x 7/32	476864	14.17
14	1-5/16 x 1/4	476928	19.88

**FLAT BASTARD FILES DOUBLE CUT**



Used for general utility work where it is desired to remove metal quickly, in machine shops, garages, etc.

Double cut teeth. Rectangular in cross section, and is slightly tapered toward the points in both width & thickness.

Length, Inches	Size, Inches	Our Sequence Number	Per Each
8	25/32 x 7/32	477120	\$10.74
10	31/32 x 1/4	477184	12.78
12	1-5/32 x 9/32	477248	118.16

**ROUND BASTARD FILES**

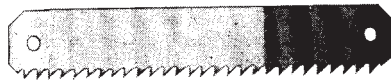


Used for filing and enlarging holes, making fillets and working on curved surfaces. Spiral tooth tends to give a smooth & even surface. Slightly tapered toward the point.

Length, Inches	Diam. Inches	Our Sequence Number	Per Each
<b>Double Cut</b>			
12	1/2	478144	\$14.52
14	5/8	478146	20.14

Date: 2500

**LENOX HACKMASTER BI-METAL HACKSAW BLADES**



Welded Edge, Flexible Back, Tool Steel Teeth



Part Number	Length, Inches x Width, Inches x No. of Teeth	Our Sequence Number	Per Each	No. of Teeth	Our Sequence Number	Per Each	No. of Teeth	Our Sequence Number	Per Each	No. of Teeth	Our Sequence Number	Per Each
<b>REGULAR PITCH HAND</b>												
12x1/2-14	333550	\$3.53	18	333555	\$3.50	24	333560	\$3.50	32	333565	\$3.50	
10x1/2-18	333535	3.14	24	333540	3.14	32	333545	2.99				
<b>REGULAR PITCH POWER</b>												
12x1-10	333585	10.32	14	333590	10.32							
14x1-10	333600	12.36	14	333605	12.36	14x1-6-10	333595	12.99	10-14	333607	10.63	
14x1-1/4-10	333615	16.47				14x1-1/4-6-10	333610	17.27				
17x1-10	333620	15.26	14	333625	15.26	14x1-1/2-4-6	333617	21.64				
17x1-1/4-10	333635	19.58										
18x1-1/4-10	333645	19.91				18x1-1/4-6-10	333640	20.84				

Qty. Disc: 2 pkgs. 5%, 5 pkgs. 10%, 10 pkgs. 11%, 25 pkgs. 12%, 50 pkgs. 13%