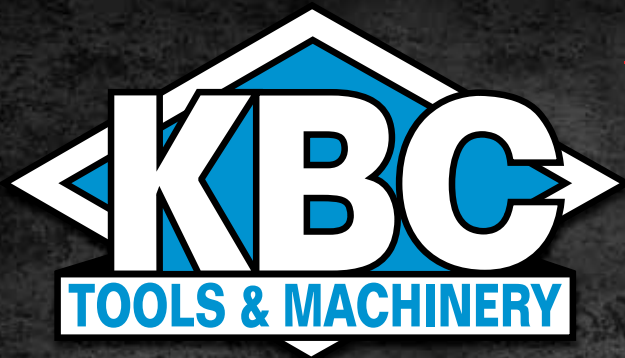


ALL METAL ... ALL THE TIME™

Industrial Metalworking Tooling & Solutions Since 1965



APR-JUN 2024



Depth & Angle Gages

save 25%

FEATURES:

- Heads made of hardened steel.
- Protractor graduations include 30°, 45°, and 60° angles.
- Center of head features recess cut-out for easy reading and more accurate measurement of depth.
- Gage includes 6" rule.
- Rule measures 7/32" wide and .041" thick with deeply etched, quick-reading markings.
- 6" non-graduated 3/32" steel rod included for measuring holes too narrow for use with the rule.

Part No. 1-804-509 **\$43³¹**
Reg. Net Price \$57.75

OVERSTOCK SALE!
Quantities Limited.



Odor Control Tablets

One tablet per 25 gallons of coolant every week. Designed for small sumps, 200 gallons or less. 15 tablets per tube.

save 20%

FEATURES:

- No formaldehyde or harmful chemicals.
- Safer and more economical than biocides.
- Eliminates sump odors caused by hydrogen sulfide bacterial emissions.

Do Away with Coolant Stench!

Part No. 1-122-020 **\$52⁸¹**
Reg. Net Price \$66.01



nova™ 18" Nova Voyager DVR Drill Press

1 HP, 115V, 1 PH

FEATURES:

- Digital Variable Reluctance (DVR) Direct Drive Technology with Adaptive Control™ Software which works for you to produce optimum results in wood, metal, plastic and glass.
- Constant torque under load, depth and vibration sensors and emergency stop.
- Slow start pilot hole, tapping assist with chip breaking cycle and self start functions.
- Electronic braking and forward/reverse.

COMPLETE WITH:

5/8" Drill chuck & key, firmware USB cable, knock-out wedge, adjustment wrench, and hex keys.

Model 58006

Part No. 6-125-076 **\$2,399⁰⁰**

SPECIFICATIONS:

Chuck Size 5/8"
Drilling Capacity 5/8"
Swing 18"
Spindle Taper 2 MT
Speeds (Var.) ... 50-3,000 RPM



NEW!



M18 FUEL™ 8" Metal Cutting Circular Saw

M18 FUEL™ 8" Cordless Circular Saw generates 15A corded power, faster cuts than 15A corded metal circular saws, and delivers up to 120' of cutting corrugated decking per charge.

FEATURES:

- Onboard chip collection.
- Overload indicator light turns yellow when user is pushing too hard, coaching the user to optimal cutting speed.
- Dual action trigger: eliminating accidental trigger actuation.
- Electric blade brake stops all blades in under one second.
- Tool-free adjustable shoe adjusts the shoe depth for optimal cutting capacity.
- Blade cut capacity: 2-9/16".
- Includes: (1) 42T Circular Saw Blade.

SPECIFICATIONS:

Depth of Cut 2-9/16"
No Load Speed 4,000 RPM
Tool Length 15.5"



Part No. 1-828-2982-20

\$549⁰⁰

[Click here for complete details.](#)

SUPERIOR 20 Pc. SHUR-KUT® Quick Change Disc Kit

CONTENTS:

- (5 Each) 2" discs A/O 36, 60, 80 & 120 grit.
- (1) Medium density holder with 1/4" shank.

Type "R"
Part No. 1-613-37500
Reg. Net Price \$52.80

\$42²⁴



Contains 20 of the most popular Shur-Kut® quick-change discs.



Machinist Calc® Pro 2

Advanced Machining Math + Materials

FEATURES:

- Portable, rugged, and cost-effective handheld calculator.
- For face, end or slot milling plus turning, drilling, and boring.
- Includes materials and tool settings combined with DOC and WOC to solve all your speed and feed calculations.
- It gives you step-saving drill and thread chart look-ups, right triangle solutions, bolt-circle patterns, a larger 2-line LCD display, and much more.

INCLUDES:

- Quick Reference Guide and Easy-to-Follow User's Guide.
- Armadillo gear protective hard case.
- Long-life battery (CR2025).

Model 4088 **\$154⁹⁵**
Part No. 1-961-004



Great for machinists, setters, tool & die makers, supervisors, and shop owners.



WEB: **KBCTools.com**

PHONE: M-F 8am - 8pm, EST **1-888-KBC-TOOL**

FAX: **1-800-668-5615**

5 2 2 8 6 6 5

- Cutting Tools 2-6
- Carbide Tooling 7
- Fluids 1, 25, 28
- Workholding Tools 8-9
- Abrasives 1, 10-11, 28
- Measuring & Inspection 1, 12-15, 28
- Toolroom Accessories 1, 24
- Hand Tools 26, 28
- Shop Supplies 22-23
- Power / Air Tools 1, 27
- Machinery 1, 16-21

100% SATISFACTION GUARANTEED:

If you are not 100% satisfied for any reason just return the unused item(s) in its original packaging within 30 days, with your receipt for a replacement, exchange, full credit or refund.

FREE SHIPPING:

Orders over \$449.00 (50 lbs. weight limit per order) SHIPPED FREE - via our standard shipping method. Some restrictions may apply.

99% of All Orders Ship the Same Day... Or you can Pick Up at your Local Branch.* Your Choice.



* Excludes Machinery & Non-Stock Items.

DAMAGED, LOST, OR SHORT SHIPMENTS:

It doesn't happen often, but if it does, call your local courier office immediately, and advise KBC so that we can reship and place a claim. Please keep damaged goods and containers until the claim is closed.

TRUCK SHIPMENTS:

KBC is not responsible for merchandise damaged or lost by motor freight carriers. If the shipment is damaged or short one or more packages, please have it noted by the truck driver on receipt and freight bill. If you accept a short or damaged shipment from the truck driver without proper notation by the driver, you do so at your own risk.

PRICING:

KBC Tools & Machinery traditionally holds prices for the duration of its sales flyers. As industrial market conditions continue to change across North America (tariffs, raw material, and price increases), KBC reserves the right to change prices based upon inventory conditions and supplier price increases without notice. BUY NOW! KBC Tools & Machinery strives to be your choice for all your tooling needs.

MINIMUM ORDER:

Only \$25.00, to cover processing costs.

OOPS!:

Errors do occur, so mistakes are subject to correction. Sorry for any inconvenience.

KEO High Performance Solid Carbide NC Spotting Drills

142° POINT ANGLE

Spotting drills are designed with a narrow chisel edge for quick starting and constant web to allow for resharping without the need for web thinning.



Size	Flute Length	OAL	Part No. 1-090A-	Reg. Net Price	SALE!
1/8"	5/8"	1-1/2"	-34184	\$32.46	\$27.59
3/16	13/16	2	-34189	42.66	36.26
1/4	13/16	2-1/2	-34144	54.42	46.26
5/16	7/8	2-1/2	-34314	65.66	55.81
3/8	7/8	2-1/2	-34384	75.14	63.87
1/2	1-1/8	3	-34124	117.51	99.88

Industrial Metalworking Tooling & Solutions Since 1965

3 Pc. TiN Coated Step Drill Set



save 25%

FEATURES:

- Easily sharpened.
- Tip does not slide, absolutely no need for a center punch.
- Designed to deburr as you go.
- Creates perfectly round holes in metal, plastic, wood, and other thin materials.

RANGES OF BITS:

1/8-1/2", 3/16-1/2", 1/4-3/4".

Part No. 5-331-3682 **\$36⁹⁷**
Reg. Net Price \$49.29

6" Silver & Deming Drills

HIGH SPEED STEEL

118° POINT

1/2" SHANK



FEATURES:

- Expands the size range capacity of a 1/2" portable drill chuck.
- Common flute and overall length for minimal adjustment during tool changes.
- Precision ground for a high degree of concentricity between shank and body diameter.
- Ideal for drilling in low and medium tensile strength materials.

Size	Part No. 1-060-	Reg. Net Price	NOW!
9/16"	-036	\$13.52	\$11.49
5/8	-040	14.80	12.58
11/16	-044	16.51	14.03
3/4	-048	18.06	15.35
7/8	-056	22.30	18.96
15/16	-060	25.31	21.51
1	-100	27.50	23.38
1-1/16	-104	33.38	28.37
1-1/8	-108	40.46	34.39
1-3/16	-112	39.55	33.62
1-1/4	-116	44.07	37.46
1-5/16	-120	54.10	45.99
1-3/8	-124	57.66	49.01
1-7/16	-128	64.17	54.54
1-1/2	-132	64.71	55.00



Solid Carbide Hi-Roc Drill Sets

Each set includes a selection of more frequently used, fractional size drills and comes packed neatly in a plastic case.

save 20%

No. of Drills	Sizes	Part No. 5-100-	Reg. Net Price	SALE!
5	1/8" to 3/8" by 16ths	-20181	\$334.85	\$267.88
7	1/16" to 1/4" by 32nds	-20367	293.76	235.01
10	3/64" to 3/16" by 64ths	-20526	341.30	273.04

CLE-LINE 25 Pc. Metric Jobbers Drill Set

HIGH SPEED STEEL

STRAIGHT SHANK

118° POINT

RIGHT HAND

save 20%

FEATURES:

- For general purpose drilling and maintenance applications.
- Helix Regular: 21° to 34°.
- 1 to 13mm by 0.5mm

Part No. 1-091AX-4025 **\$170⁷²**
Reg. Net Price \$213.40

29 Pc. Cobalt Jobbers Drill Set



HIGH SPEED STEEL

135° SPLIT POINT

RIGHT HAND

save 20%

Designed to perform in a wide variety of normal conditions. Jobbers length also perform in a broad range of materials in both machine and portable drilling.

1/16" to 1/2" by 64ths w/ Index
Part No. 1-011-0290 **\$154⁹⁴**
Reg. Net Price \$193.67



29 Pc. SHOCKWAVE Impact Duty™ RED HELIX™ Titanium Drill Bit Set

Ideal for metal, wood, & plastics.



SET INCLUDES:
Sizes (1 Ea.) -
1/16 to 31/64"

Part No. 1-828-48894672
\$114⁹⁹

FEATURES:

- RED HELIX™ Technology combines QUAD EDGE™ tip, VARIABLE HELIX™ flute, and thicker tapered web.
- QUAD EDGE™ Tip™ stays sharper longer.
- VARIABLE HELIX™ flute designed for rapid chip removal.
- Thicker tapered web design increases bit strength.
- Titanium coated for 5x Life vs. black oxide drill bits.
- 1/4" hex shank for use with impact drivers and drill drivers.
- Laser etched size for easy identification.



Carbide tipped also available. - Please Inquire -

NEW!

EVOLUTION® 7 Pc. Mini Annular Cutter Set

Model EVOMCS-7
Part No. 1-827-495

\$145²⁶

FEATURES:

- Will out perform any twist drill bit or hole saw.
- When drilling, each hole is cut cleanly and accurately.
- Ideal for sheet metal, mild steel, aluminum, plastic, HVAC, light piping, conduit, copper, brass, and stainless steel.

SET INCLUDES:

- 3/8" Chuck Arbor with Pilot.
- Center Punch.
- Small and Large Washers.
- Arbor Hex Wrench.

SIZES INCLUDED (1 Ea.): 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4".

Cobalt Jobbers Drills



**HIGH SPEED STEEL
135° SPLIT POINT
RIGHT HAND**



save 20%

Cobalt HSS is used for drilling in tough, high tensile strength materials. Drills are made of heat resistant, 8% cobalt high speed steel, with heavy duty flute construction and 135° Split point.

FRACTIONAL SIZES

Size	OAL	Part No. 1-011-	Reg. Net Price	SALE!
1/16"	1-7/8"	-004	\$2.05	\$1.64
1/8	2-3/4	-008	2.60	2.08
3/16	3-1/2	-012	3.46	2.77
1/4	4	-016	5.13	4.10
5/16	4-1/2	-020	8.37	6.70
3/8	5	-024	11.61	9.29
7/16	5-1/2	-028	14.92	11.94
1/2	6	-032	20.48	16.38

PRECISION Screw Machine Drills

118° POINT RIGHT HAND HIGH SPEED STEEL

FEATURES:

- Ground polished flute reduces the coefficient of friction, and resists chip weld and abrasion.
- Short length provides increased rigidity in machine drilling.
- Performs well in limited access areas or where extra rigidity is required.

Size	OAL	Part No. 1-050A-	Reg. Net Price	NOW!	Size	OAL	Part No. 1-050A-	Reg. Net Price	NOW!
1/16"	1-5/8"	-004	\$3.64	\$3.28	19/64"	2-3/4"	-019	\$8.67	\$7.80
5/64	1-11/16	-005	3.64	3.28	5/16	2-13/16	-020	9.29	8.36
3/32	1-3/4	-006	3.64	3.28	21/64	2-15/16	-021	10.31	9.28
7/64	1-13/16	-007	3.64	3.28	3	3	-022	11.51	10.36
1/8	1-7/8	-008	3.57	3.21	23/64	3-1/16	-023	13.40	12.06
9/64	1-15/16	-009	3.61	3.25	3/8	3-1/8	-024	13.99	12.59
5/32	2-1/16	-010	4.12	3.71	25/64	3-1/4	-025	15.70	14.13
11/64	2-1/8	-011	4.44	4.00	13/32	3-5/16	-026	16.46	14.81
3/16	2-3/16	-012	4.52	4.07	27/64	3-3/8	-027	17.96	16.16
13/64	2-1/4	-013	5.03	4.53	7/16	3-7/16	-028	18.14	16.33
7/32	2-3/8	-014	5.86	5.27	29/64	3-9/16	-029	21.93	19.74
15/64	2-7/16	-015	6.12	5.51	15/32	3-5/8	-030	22.95	20.66
1/4	2-1/8	-016	6.34	5.71	3-11/16	3-11/16	-031	23.97	21.57
17/64	2-5/8	-017	7.43	6.69	1/2	3-3/4	-032	23.57	21.21
9/32	2-11/16	-018	7.90	7.11					

Buy In Package Quantity: Up to 5/16" 12 Per Pack 21/64" to 1/2" 6 Per Pack

Solid Carbide Jobbers Drills

FEATURES:

- Precision ground jobbers length twist drills are designed for high feed rates with good chip disposal.
- Solid carbide construction allows extra rigidity and is especially useful under high drilling temperatures.
- Recommended for use on cast iron, aluminum, plastic, non-ferrous alloys, and highly abrasive materials.

118° POINT



METRIC

Size (mm)	Flute Length (mm)	OAL (mm)	Part No. 5-373M-	Reg. Net Price	SALE!
1	16	38	-010	\$17.21	\$14.63
1.5	19	38	-015	15.95	13.56
2	22	44	-020	16.83	14.31
2.5	25	51	-025	19.30	16.41
3	32	57	-030	21.53	18.30
3.5	35	64	-035	24.32	20.67
4	35	64	-040	28.27	24.03
4.5	41	70	-045	32.55	27.67
5	44	76	-050	37.06	31.50
5.5	44	76	-055	34.36	29.21
6	51	83	-060	53.15	45.18
6.5	51	83	-065	58.03	49.33
7	60	89	-070	63.24	53.75
7.5	60	95	-075	51.62	43.88
8	60	95	-080	77.47	65.85
8.5	64	102	-085	87.79	74.62
9	64	102	-090	96.95	82.41
9.5	70	108	-095	77.66	66.01
10	73	114	-100	126.15	107.23
10.5	73	114	-105	109.23	92.85
11	73	114	-110	118.34	100.59
11.5	76	121	-115	128.43	109.17
12	76	121	-120	142.43	121.07
12.5	76	121	-125	147.13	125.06

INCH

Size	Part No. 5-373-	Reg. Net Price	SALE!
3/64"	-003	\$13.41	\$11.40
1/16	-004	13.64	11.59
5/64	-005	14.34	12.19
3/32	-006	16.79	14.27
7/64	-007	18.43	15.67
1/8	-008	18.95	16.11
9/64	-009	22.71	19.30
5/32	-010	23.89	20.31
11/64	-011	28.00	23.80
3/16	-012	28.00	23.80
13/64	-013	34.12	29.00
7/32	-014	34.74	29.53
15/64	-015	41.50	35.28
1/4	-016	41.50	35.28
17/64	-017	44.12	37.50
9/32	-018	47.06	40.00
19/64	-019	52.23	44.40
5/16	-020	54.97	46.72
21/64	-021	61.10	51.94
11/32	-022	67.52	57.39
23/64	-023	73.49	62.47
3/8	-024	78.59	66.80
25/64	-025	90.91	77.27
13/32	-026	101.10	85.94
27/64	-027	110.55	93.97
7/16	-028	119.77	101.80
29/64	-029	129.96	110.47
15/32	-030	139.84	118.86
31/64	-031	144.12	122.50
1/2	-032	148.86	126.53

Starrett Hand Hacksaw Blades

Safe-Flex® Bi-Metal Unique™



Bi-Metal Unique™ technology joins two strips of high speed steel wires to a backing steel in a solid phase, using the principle of solid state diffusion bonding. The proprietary solid state diffusion process generates 170% more weld contact area compared to the existing bi-metal high speed steels, that results in significantly reduced fracture and breakage at the HSS/backing material interface. The exceptionally strong teeth develop a groove after initial use. This produces dual chips that are more easily removed from the cut.

Length	Width	Thickness	Tooth Per Inch	Part No. 1-856-	Reg. Net Price	SALE!
12"	1/2"	.025"	24	-40330	\$2.93	\$2.49
12	1/2	.025	18	-40331	2.93	2.49
12	1/2	.025	32	-40332	2.93	2.49

5 Pc. M-42 Cobalt Combined Drill & Countersink Set

save 35%

RIGHT HAND 60° INCLUDED ANGLE

Used for producing center holes in components or workpieces which require machining between centers.



No. 1 - No. 5

Part No. 1-033-100

Reg. Net Price \$57.12

\$37¹³



KEO Combined Drills and Countersinks

Plain type combined drills and countersinks are used for producing center holes in components or workpieces which require machining between centers.



Size	Body Dia.	Drill Dia.	Part No. 1-031-	Reg. Net Price	NOW!	HIGH SPEED STEEL
1	1/8"	3/64"	-005	\$10.21	\$8.68	
2	3/16	5/64	-015	10.66	9.06	
3	1/4	7/64	-025	11.11	9.44	
4	5/16	1/8	-040	11.45	9.73	
5	7/16	3/16	-050	18.20	15.47	
6	1/2	7/32	-055	27.34	23.24	

**HIGH SPEED STEEL
RIGHT HAND**

Fractional Drill Blanks

**HIGH SPEED STEEL
HARDENED & GROUND
BRIGHT FINISH**



Tolerances:
+.0000"/-.0003"

Blanks are often used as gages to check hole size drill bushing size.

Can be used as guide pins for die sets or modified as punches.

Size	Part No. 1-096-	Reg. Net Price	SALE!
1/16"	-004	\$3.10	\$2.64
5/64	-005	3.10	2.64
3/32	-006	3.10	2.64
7/64	-007	3.29	2.80
1/8	-008	3.29	2.80
9/64	-009	3.29	2.80
5/32	-010	3.91	3.32
11/64	-011	3.91	3.32
3/16	-012	4.34	3.69
13/64	-013	4.53	3.85
7/32	-014	5.67	4.82
15/64	-015	5.67	4.82
1/4	-016	7.22	6.14
17/64	-017	7.22	6.14
9/32	-018	7.75	6.59
19/64	-019	8.96	7.62
5/16	-020	8.96	7.62
21/64	-021	9.78	8.31
11/32	-022	10.54	8.96
23/64	-023	10.82	9.20
3/8	-024	13.10	11.14
25/64	-025	13.61	11.57
13/32	-026	14.91	12.67
27/64	-027	16.69	14.19
7/16	-028	18.76	15.95
29/64	-029	19.07	16.21
15/32	-030	19.81	16.84
31/64	-031	22.40	19.04
1/2	-032	24.24	20.60

FISHER MACHINE Tap Guide



FEATURES:

- Hardened Shank: 1/2" diameter.
- Hardened Tension Pin: 3/16" diameter.
- Reversible tension pin for male and female hole centering of tap.
- Adjustable tension spring.
- Knurled for easy handling.

With this tool you'll start every tap straight.



Part No. 1-811-130
Reg. Net Price \$30.92 **\$26.28**

DORMER DIN ANSI NEW! SHARK LINE

Blue Shark Spiral Pointed Taps For Stainless Steel

Super-B (TiAIN + WC/C) coating with additional edge treatment.

Manufactured from a unique powder metallurgy tool steel different from any other HSS-E-PM. This provides an unbeatable combination of toughness and edge strength, allowing the taps to perform at higher cutting temperatures while offering excellent performance and longer tool life.

FEATURES:

- Color ring coding helps identify suitability for specific materials and enables quick and easy tool selection.
- Advanced Geometry & Chamfer - Thread geometry with optimized form generates low torque, excellent threads at both high and low speeds, and superior surface finish. Significant reduction in axial forces and torque compared to conventional taps ensuring problem-free threading of blind and through holes in the selected material.
- Standard ANSI shank and square with DIN overall length, for extra reach and compatibility with Inch Standard Tap Holding.

PLUG STYLE



Size	No. of Flutes	Ground Thread Limits	Part No. 1-351-	Reg. Net Price	SALE!
10-24 NC	3	H-3	-7350281	\$41.21	\$35.03
10-32 NF	3	H-3	-7350299	41.21	35.03
1/4-20 NC	3	H-3	-7350283	53.34	45.34
1/4-20 NF	3	H-5	-7350282	53.34	45.34
1/4-28 NF	3	H-3	-7350301	53.34	45.34
1/4-28 NF	3	H-5	-7350300	53.34	45.34
5/16-18 NC	3	H-3	-7350285	57.98	49.28
5/16-18 NC	3	H-5	-7350284	57.98	49.28
5/16-24 NF	3	H-3	-7350303	57.98	49.28
5/16-24 NF	3	H-4	-7350302	57.98	49.28
3/8-16 NC	3	H-3	-7350287	65.47	55.65
3/8-16 NC	3	H-5	-7350286	65.47	55.65
3/8-24 NF	3	H-3	-7350305	65.47	55.65
3/8-24 NF	3	H-4	-7350304	65.47	55.65
7/16-14 NC	4	H-5	-7350288	84.73	72.02
7/16-20 NF	4	H-5	-7350306	84.56	71.88
1/2-13 NC	4	H-3	-7350290	98.07	83.36
1/2-13 NC	4	H-5	-7350289	98.07	83.36
1/2-20 NF	4	H-3	-7350308	98.07	83.36
1/2-20 NF	4	H-5	-7350307	98.07	83.36

Click here for more information and complete listing of Dormer Shark Taps.

R&N Penta Style Spiral Point Taps

With Blue Diamond Surface Treatment



HIGH SPEED STEEL
PLUG STYLE
LIST NO. 102CPR

GROUND THREAD
THREAD LIMITS H-3
RIGHT HAND



Work well on medium and high carbon steels, alloy steels, tool steels, and stainless steel. Not recommended on materials above 35 Rc.

FEATURES:

- Special design allows tap to cut more freely while generating less heat.
- Surface treatment helps keep cutting fluid on the surface of the tap to eliminate galling and surface welding chips.
- Provides excellent tool life and higher quality finished threads.

PENTA BLUE: Taps will provide longer life and better thread finish versus standard taps in material such as medium and high carbon steel (1030 - 1045 - 1060), low and medium carbon alloy steels (4320 - 6620 - 8625 - 4130 - 4150 - 4340) and annealed condition steels (300 & 400 series). When using materials above 30 Rc, we recommend using the straight flute tap with a blue diamond treatment.

Size	Flute	Part No. 102CPR-	Reg. Net Price	SALE!
1/4-20 NC	2	-32532B	\$15.54	\$13.99
5/16-18 NC	2	-32932B	18.14	16.33
3/8-16 NC	3	-33332B	21.04	18.94
7/16-14 NC	3	-33532B	32.34	29.11
1/2-13 NC	3	-33732B	40.12	36.11
5/8-11 NC	3	-34132B	66.43	59.79
3/4-10 NC	3	-34532B	91.85	82.67

Spiral Pointed Hand Taps

GROUND THREAD LIMITS H3
HIGH SPEED STEEL

RIGHT HAND
PLUG STYLE



FEATURES:

- Commonly referred to as "gun" taps.
- Excellent for production tapping of through holes.
- Flute design forces the evacuation of chips ahead of the cutting action.

Buy In Package Quantity:
0-80 to 3/8-24 12 Per Pack
7/16-14 to 1/2-20 6 Per Pack

FRACTIONAL SIZES

Size	No. of Flutes	Part No. 1-359A-	Reg. Net Price	SALE!
1/4-20 NC	2	-0161	\$7.98	\$6.78
1/4-28 NF	2	-0166	7.98	6.78
5/16-18 NC	2	-0201	8.08	6.87
5/16-24 NF	2	-0266	8.08	6.87
3/8-16 NC	3	-0241	9.51	8.08
3/8-24 NF	3	-0246	9.51	8.08
7/16-14 NC	3	-0281	16.06	13.65
7/16-20 NF	3	-0286	16.06	13.65
1/2-13 NC	3	-0321	18.55	15.77
1/2-20 NF	3	-0326	18.55	15.77

R&N 5 Flute NPT Taper Pipe Plug Taps

HIGH SPEED STEEL
GROUND THREAD
LIST NO. 120G
RIGHT HAND

Used for pipe fittings and the sizes are determined by the nominal pipe size.



NPT - For tapping tapered pipe threads. This is the most common of all pipe tap styles. The tapered thread form creates a pressure-tight joint when used with a sealant.

Size	Part No. 120G-	Reg. Net Price	SALE!
1/8-27	-18NPT-50P	\$37.53	\$30.02
1/4-18	-14NPT-50P	42.07	33.66
3/8-18	-38NPT-50P	53.82	43.06
1/2-14	-12NPT-50P	89.59	71.67
3/4-14	-34NPT-50P	129.87	103.90
1-11-1/2	-11NPT-50P	184.50	147.60
1-1/4-11-1/2	-114NPT-50P	262.65	210.12

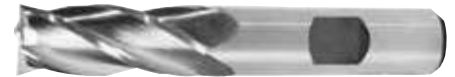
Buy In Package Quantity:
1/8-27 to 3/8-18 6 Per Pack
1/2-14 to 1-1/4-11 1/2 3 Per Pack

4 Flute Center Cutting Single End Mills



The spiral multi-flute design permits a faster and smoother cutting action. The end cutting edges are ground to permit center cutting.

HIGH SPEED STEEL



TOLERANCES:

Mill Diameter:

+ .001, -.000

Shank Diameter:

-.0001, -.0005

Mill Dia.	Shank Dia.	Length Of Cut	OAL	Part No. 5-307A-	Reg. Net Price	SALE!
1/8"	3/8"	3/8"	2-5/16"	-26004	\$21.87	\$18.59
3/16	3/8	1/2	2-3/8	-26010	21.87	18.59
1/4	3/8	5/8	2-1/2	-26014	20.98	17.83
5/16	3/8	3/4	2-1/2	-26018	20.98	17.83
3/8	3/8	3/4	2-1/2	-26022	20.99	17.84
1/2	1/2	1-1/4	3-1/4	-26026	30.81	26.19
5/8	5/8	1-5/8	3-3/4	-26030	38.68	32.88

4 Flute Uncoated Solid Carbide Center Cutting Single End Mills



Designed for slotting, drilling, pocketing, and general purpose milling.



FEATURES:

- Micrograin 10% carbide.
- Extremely rigid quality control to assure the tightest tolerances and consistency.
- Engineered to the highest quality with the best raw material and coatings for demanding applications.
- High tech geometries manufactured on the most state of the art 5-axis CNC Grinders in the world.

Mill Dia.	Shank Dia.	Length Of Cut	OAL	Part No. 4-326-	Reg. Net Price	SALE!
1/16"	1/8"	3/16"	1-1/2"	-004	\$9.04	\$7.68
3/32	1/8	3/8	1-1/2	-006	9.04	7.68
1/8	1/8	1/2	1-1/2	-008	9.04	7.68
5/32	3/16	9/16	2	-010	14.90	12.67
3/16	3/16	5/8	2	-012	14.37	12.22
7/32	1/4	5/8	2-1/2	-014	17.38	14.77
1/4	1/4	3/4	2-1/2	-016	16.00	13.60
9/32	3/8	7/8	2-1/2	-018	21.56	18.32
5/16	5/16	7/8	2-1/2	-020	20.70	17.60
3/8	3/8	1	2-1/2	-024	27.50	23.38
7/16	7/16	1	2-1/2	-028	35.09	29.83
1/2	1/2	1	3	-032	41.78	35.51
9/16	9/16	1-1/4	3-1/2	-036	81.89	69.60
5/8	5/8	1-1/4	3-1/2	-040	85.23	72.44
3/4	3/4	1-1/2	4	-048	118.65	100.85

30° HELIX

DIAMETER TOLERANCES:
+0.0000"/-0.0020"



5 Pc. Solid Carbide Burr Set

1/4" Head Diameter,
1/4" Shank Diameter.

SET INCLUDES:
SA-1, SC-1,
SD-1, SG-1, SM-1.

Part No. 1-338-001
Reg. Net Price \$74.30 **\$63¹⁶**



Supplied in a fitted plastic case.

20 Pc. TiN Coated 2 & 4 Flute Single End Mill Set

CENTER CUTTING HIGH SPEED STEEL

save 25%

SET INCLUDES
(1 Ea. 2 & 4 FLUTE):

- 3/16", 1/4", 5/16", 3/8" (3/8" Shank)
- 7/16", 1/2" (1/2" Shank)
- 9/16", 5/8" (5/8" Shank)
- 11/16", 3/4" (3/4" Shank)

Part No. 5-300T-100
Reg. Net Price \$216.98 **\$162⁷⁴**



4 Flute Center Cutting M-42 8% Cobalt Single End Mills

NEW!



O.D. TOLERANCE +.0000,-.0015



30° HELIX

For machining high strength alloys or 25% higher speeds on regular material.

Single end mills are designed for general milling operations. The spiral multi-flute design permits a faster and smoother cutting action. The end cutting edges are ground to permit center cutting.



Mill Dia.	Shank Dia.	Length Of Cut	OAL	Part No. 1-332A-	Reg. Net Price	SALE!
1/8"	3/8"	3/8"	2-5/16"	-26507	\$22.42	\$19.06
3/16	3/8	1/2	2-3/8"	-26511	22.42	19.06
1/4	3/8	5/8	2-1/2"	-26515	22.42	19.06
5/16	3/8	3/4	2-1/2"	-26519	22.42	19.06
5/16	3/8	1-3/8	3-1/8"	-28011	27.48	23.36
3/8	3/8	3/4	2-1/2"	-26523	22.42	19.06
7/16	3/8	1	2-11/16"	-26527	30.69	26.09
7/16	1/2	1-3/4	3-3/4"	-28019	43.04	36.58
1/2	1/2	1-1/4	3-1/4"	-26531	31.95	27.16
9/16	1/2	1-3/8	3-3/8"	-26539	43.35	36.85
5/8	5/8	1-5/8	3-3/4"	-26543	41.50	35.28
3/4	3/4	1-5/8	3-7/8"	-26551	47.22	40.14
7/8	7/8	1-7/8	4-1/8"	-26559	62.04	52.73
1	1	2	5-3/4"	-28047	89.21	75.83
1-1/4	1-1/4	2	4-1/2"	-26563	70.80	60.18
			4-1/2"	-26575	113.62	96.58



Miniature Carbide Bur Set

1-1/2" OAL

Double Cut

Part No. 5-100-71033 **\$71⁴⁹**
Reg. Net Price \$84.10



SA-43 SC-42 SD-42 SG-41 SM-45 SL-42
1/8" Head Diameter, 1/8" Shank Diameter.

4 Pc. ZER0 Flute M35 Cobalt Countersinks & Deburring Tool Set

82° ANGLE
CNC PRECISION
CAM GROUND

STRAIGHT SHANK
CHATTERLESS
CUTTING ACTION

SIZES INCLUDED:
5/16", 3/8", 1/2", 5/8"

Part No. 1-159A-53518 **\$119³⁸**
Reg. Net Price \$140.45



FEATURES:

- Chamfer diameters ranging from 7/64" to 1-1/32".
- M35 cobalt; 6% tungsten, 5% moly, 5% cobalt - for long life in all types of materials.
- Through-hole design that is easy to resharpen using a small grinding wheel in the cross-hole.
- Free cutting action. Minimal power needed. Use by hand or machine feed.
- Works on all materials. Excels on aluminum, plastics, and other nonmetals.
- Micro-smooth CNC precision ground for clean smooth cutting without smearing.
- Simple all-purpose versatility that provides flawless countersinking and deburring.

4 Flute Premium Solid Carbide Center Cutting Miniature End Mills



Series 111

FEATURES:

- Micrograin 10% cobalt grade.
- Shank Diameter: 1/8"
- Overall Length: 1-1/2"

Size	Flute Length	Part No. 5-100-	Reg. Net Price	SALE!	Size	Flute Length	Part No. 5-100-	Reg. Net Price	SALE!
.005"	.015"	-51001	\$83.58	\$71.04	.055"	.165"	-51053	\$27.33	\$23.23
.010	.030	-51005	59.72	50.76	.060	.180	-51061	24.36	20.71
.015	.045	-51009	35.34	30.04	.065	.195	-51067	21.85	18.57
.020	.060	-51017	34.72	29.51	.070	.210	-51071	21.85	18.57
.025	.075	-51021	34.72	29.51	.075	.225	-51077	21.85	18.57
.030	.090	-51025	35.34	30.04	.080	.240	-51085	21.85	18.57
.035	.105	-51031	27.33	23.23	.085	.255	-51087	21.85	18.57
.040	.120	-51039	26.71	22.70	.090	.270	-51089	21.85	18.57
.045	.135	-51043	27.33	23.23	.095	.285	-51093	21.85	18.57
.050	.150	-51049	27.33	23.23	.100	.300	-51099	21.85	18.57



Designed for aggressive milling of most materials.

4 Flute Extra Long Length Single End Mills



NEW!



30° HELIX HIGH SPEED STEEL

O.D. TOLERANCE +.0000,-.0015

Extra long flute for the deepest cut.

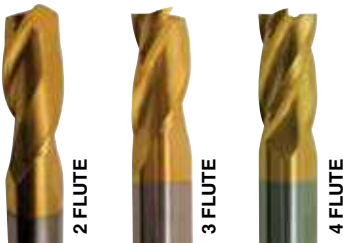
Single end mills are designed for general milling operations. The spiral multi-flute design permits a faster and smoother cutting action.

Mill Dia.	Shank Dia.	Length of Cut	OAL	Part No. 5-425A-	Reg. Net Price	SALE!
1/4"	3/8"	1-3/4"	3-1/2"	-44007	\$25.81	\$21.94
5/16	3/8	2	3-3/4"	-44012	26.89	22.86
3/8	3/8	2-1/2"	4-1/4"	-44017	27.55	23.42
1/2	1/2	3	5	-44022	35.43	30.12
5/8	5/8	4	6-1/8"	-44027	51.37	43.66
5/8	1/2	4	6	-44031	51.37	43.66
3/4	3/4	4	6-1/4"	-44037	60.09	51.08
3/4	1/2	4	6	-44041	60.09	51.08
7/8	7/8	5	7-1/4"	-44047	79.55	67.62
1	1	6	8-1/2"	-44052	104.90	89.17

Standard Length TiN Coated Solid Carbide Single End Mills



Designed for general milling operations. Spiral multi-flute design permits a faster and smoother cutting action.



Flute Dia.	Shank Dia.	Flute Length	OAL	2 Flute			3 Flute			4 Flute		
				Part No. 1-325C-	Reg. Net Price	SALE!	Part No. 1-330C-	Reg. Net Price	SALE!	Part No. 1-326C-	Reg. Net Price	SALE!
1/16"	1/8"	3/16"	1-1/2"	-004	\$11.08	\$9.42	-004	\$11.08	\$9.42	-004	\$11.08	\$9.42
1/8	1/8	1/2	1-1/2"	-008	11.08	9.42	-008	11.08	9.42	-008	11.08	9.42
3/16	3/16	5/8	2	-012	16.57	14.08	-012	16.57	14.08	-012	16.57	14.08
1/4	1/4	3/4	2-1/2"	-016	20.93	17.79	-016	20.93	17.79	-016	20.93	17.79
5/16	5/16	7/8	2-1/2"	-020	25.45	21.63	-020	25.45	21.63	-020	25.45	21.63
3/8	3/8	1 7/8	2-1/2"	-024	32.55	27.67	-024	32.55	27.67	-024	32.55	27.67
7/16	7/16	1	2-1/2"	-028	50.22	42.69	-028	50.22	42.69	-028	50.22	42.69
1/2	1/2	1 3/8	3	-032	51.15	43.48	-032	51.15	43.48	-032	51.15	43.48

MICROSHIELD™ TiN - Titanium Nitride:

A general purpose coating for Solid Carbide, HSS and HSCO end mills that provides effective protection against wear, abrasion and edge buildup. Primary applications are milling steels in a non-hardened condition.

5 Pc. Single Flute Countersink Set



82° ANGLE

SET INCLUDES:

- 1/4", 3/8" 1/2" with 1/4" shank.
- 3/4", 1" with 1/2" shank.

Part No. 5-380-5895
Reg. Net Price \$85.10
\$72.34



FEATURES:

- Recommended for portable and machine work when operated at comparatively high speed.
- Countersink holes much smaller than multi-flute tools.

Starrett 13 Pc. Deep Cut Bi-Metal General Purpose Hole Saw Kit

Exceptionally strong, safe, and shatter resistant. Allows cutting through a depth of 2".

KIT INCLUDES:

- DCH Series Hole Saws - 3/4", 7/8", 1-1/8", 1-3/8", 1-1/2", 1-3/4", 2", 2-1/4", 2-1/2".
- A1E Extended Length Arbor.
- A2E Extended Length Quick Hitch Arbor.
- A014CE Extra-Length HSS Pilot Drill.
- A12 Arbor Adapter.



Starrett #KDC09051-N
Part No. 1-856-01218
Reg. Net Price \$267.96
\$241.16



Outside Chamfering Mills

HIGH SPEED STEEL

FEATURES:

- Chatterless design.
- Designed to chamfer a variety of diameters on tubing, pipe, and round stock.
- Use on drill presses, screw machines, lathes or other chucking machines.



Major Work Dia.	Actual Mouth Dia.	Recess Hole	Body Dia.	Body Length	Thread Size	60°			90°		
						Part No. 1-162-	Reg. Net Price	SALE!	Part No. 1-162-	Reg. Net Price	SALE!
1/4"	5/16"	3/64"	1/2"	1"	5/16"-24	-601	\$70.90	\$63.81	-901	\$66.50	\$59.85
1/2"	5/8"	1/8"	7/8"	1-1/4"	3/8"-24	-602	91.75	82.58	-902	86.55	77.90
3/4"	7/8"	1/4"	1-1/8"	1-3/4"	1/2"-20	-603	105.55	95.00	—	—	—
3/4"	7/8"	3/16"	1-1/8"	1-5/16"	1/2"-20	—	—	—	-903	102.20	91.98
1	1-1/8"	1/4"	1-1/2"	2	3/4"-16	-604	147.15	132.44	—	—	—
1	1-1/8"	1/4"	1-3/8"	1-3/4"	3/4"-16	—	—	—	-904	142.25	128.03
1-1/2"	1-5/8"	5/8"	2-1/2"	1-7/8"	3/4"-16	—	—	—	-905	236.65	212.99

Solid Carbide Reamers



STRAIGHT SHANK

STRAIGHT FLUTE

4 Flute: Below 1/4" Dia.
6 Flute: On Larger Sizes

For general purpose reaming applications in ferrous metals and most non-ferrous materials. Precision ground with straight flutes for making smooth, accurate holes while retaining long tool life.



Size	Decimal Equiv.	Flute Length	OAL	Part No. 5-661-	Reg. Net Price	SALE!
1/16"	.0625"	3/8"	1-1/2"	-018	\$22.38	\$19.02
1/8"	.1250"	5/8"	2-1/4"	-044	30.41	25.85
3/16"	.1875"	7/8"	2-3/4"	-066	40.83	34.71
1/4"	.2500"	1	3	-087	54.45	46.28
5/16"	.3125"	1-1/8"	3-1/4"	-100	73.24	62.25
3/8"	.3750"	1-1/4"	3-1/2"	-111	87.84	74.66
7/16"	.4375"	1-3/8"	3-3/4"	-117	114.06	96.95
1/2"	.5000"	1-3/8"	4	-121	142.48	121.11

Straight Shank Taper Car Reamers

With Collar



SPIRAL FLUTE
HIGH SPEED STEEL

Taper car reamers have the same features as bridge reamers except for shorter flute and overall length facilitating their use in tight quarters. Collared reamers prevent over penetration.



Reamer Diameter	Shank Diameter	Shank Length	Flute Length	OAL	Part No. 5-057X-	Reg. Net Price	SALE!
3/8"	3/8"	1-1/2"	2-3/4"	4-5/8"	-004	\$49.14	\$41.77
1/2"	1/2"	1-1/2"	4	5-7/8"	-010	57.29	48.70
9/16"	1/2"	1-1/2"	4	5-7/8"	-015	61.92	52.63
5/8"	1/2"	1-1/2"	4-1/2"	6-3/8"	-020	69.13	58.76
11/16"	1/2"	1-1/2"	4-1/2"	6-3/8"	-025	82.85	70.42
3/4"	1/2"	1-1/2"	5	6-7/8"	-030	97.65	83.00
7/8"	1/2"	1-1/2"	5	6-7/8"	-040	119.20	101.32
1	1/2"	1-1/2"	5	6-7/8"	-050	135.16	114.89

Carbide Tipped Toolbits Style AL & AR

GRADE C-5

STRAIGHT TURNING TOOLS

Style A tools are designed for turning, boring or facing to a square shoulder. Maximum regrinds are possible for light cutting where the maximum wear occurs at or near the front face of the tool.

Shank Dimensions			Left Hand			Right Hand		
Square	Length	Nose Radius	Part No. 1-2445-	Reg. Net Price	SALE!	Part No. 1-2445-	Reg. Net Price	SALE!
3/8"	2-1/2"	1/64"	-AL6	\$9.69	\$8.24	-AR6	\$9.69	\$8.24
1/2"	3-1/2"	1/32"	-AL8	13.02	11.07	-AR8	13.02	11.07



REICHEL Machinists Tap Wrenches

EASY TO USE:

- Place guide in chuck.
- Insert Wrench in guide.
- Tap into work guided.
- Measures thread depth.
- Lathe or drill press.

FEATURES:

- Heat-treated adjust nut.
- Heat-treated jaws.
- Sliding handle.
- Standard tap wrench.
- Heavy duty.

Tap Sizes	Part No. 1-397-	Reg. Net Price	SALE!
0 - 1/4	-101	\$30.54	\$25.96
1/4 - 1/2	-102	33.47	28.45
1/2 - 3/4	-103	73.16	62.19
3/4 - 1	-104	143.33	121.83



Style E

GRADE C-5 NEUTRAL 60°

AMERICAN STANDARD

Style E tool is designed to cut an American Standard 60° V thread.

Shank Size	Length	Part No. 1-2445-	Reg. Net Price	SALE!
3/8"	2-1/2"	-E6	\$9.42	\$8.01
1/2"	3-1/2"	-E8	12.48	10.61

Click here for complete details.



Style D

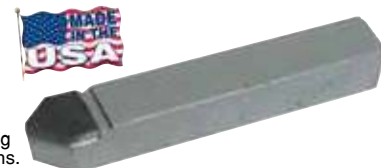
GRADE C-5 POINTED NOSE

80° INCLUDED ANGLE

Style D tools may be used for finish turning, chamfering or boring in either right or left hand directions.

Shank Size	Length	Nose Radius	Part No. 1-2445-	Reg. Net Price	SALE!
3/8"	2-1/2"	1/64"	-D6	\$9.42	\$8.01
1/2"	3-1/2"	1/32"	-D8	12.48	10.61

Click here for complete details.



The duMONT Company, LLC



Individual Keyway Broaches

HIGH SPEED STEEL

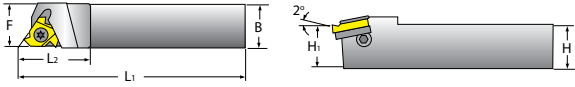


INCH

Broach	Keyway Width	Broach Dimensions	Shims Req.	No. of Teeth	Length of Cut		Part No. 1-400-	Reg. Net Price	SALE!
					Min.	Max.			
A	1/8	1/8 x 5	1	18	13/64	1-1/8	-22203	\$114.62	\$100.86
B	1/8	3/16 x 6-3/4	1	16	19/64	1-11/16	-22205	136.17	119.82
B	3/16	3/16 x 6-3/4	1	16	19/64	1-11/16	-22207	136.17	119.82
C	1/4	3/8 x 11-3/4	1	22	25/64	2-1/2	-22209	171.66	151.06
C	3/8	3/8 x 11-3/4	2	22	25/64	2-1/2	-22211	171.66	151.06
D	3/8	9/16 x 13-7/8	2	17	1	6	-22213	262.49	230.99
D	1/2	9/16 x 13-7/8	3	17	1	6	-22215	262.49	230.99

VARDEX

External Threading Toolholders



Model No.	H, H ₁ B	F	L ₁	L ₂	Part No. 1-289R-	Reg. Net Price	NOW!
AL 050-3	.50"	.63"	3.5"	.87"	-005	\$166.82	\$141.80
AL 0625-3	.63	.63	5.0	1.02	-006	166.82	141.80
AL 075-3	.75	.75	5.0	1.02	-010	166.82	141.80
AL 100-3	1.00	1.00	6.0	1.02	-015	175.20	148.92
AL 125-3	1.25	1.25	7.0	1.18	-020	194.67	165.47

INSERT SIZE: 3/8" I.C.

All toolholders are supplied with 1-1/2° helix-angle. Supplied with anvil.

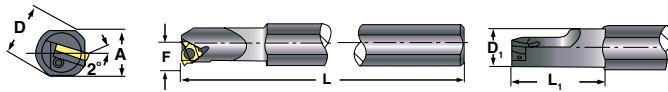
VARDEX

Internal Threading Toolholders



RIGHT HAND

All toolholders are supplied with 1-1/2° helix-angle.



Model No.	Insert Size (I.C.)	Dimensions						Min. Minor Dia. of Thread	Part No. 1-289R-	Reg. Net Price	NOW!
		A	L	L ₁	D	D ₁	F				
NVR 0375-2	1/4"	.67"	7"	1.00"	.75"	.37"	.28"	.50"	-090	\$205.75	\$174.89
NVR 050-3	3/8"	.67	7	1.43	.75	.50	.37	.67	-096	205.75	174.89
NVR 0625-3		.67	7	1.50	.75	.625	.46	.80	-100	174.81	148.59
AVR 075-3		.67	7	1.50	.75	.75	.51	.90	-105	227.74	193.58
AVR 100-3		1.12	10	2.50	1.25	1.00	.65	1.20	-110	251.63	213.89

Prefix N: No anvil used. Prefix A: Supplied with anvil.

MIO DEX™ 7 Pc. Indexable Toolholder & Boring Bar Sets

For use with 80° diamond positive clearance CCMT inserts.

Complete with 4-layer coated carbid inserts, Torx screws and Torx key.

Supplied with a fitted wooden case.

Tool Styles Included in Set (1 each)	Shank Size	CCMT Insert Series	Part No. 1-428-	Reg. Net Price	SALE!
SCLCR, SCLCL	3/8"	21.51	-407103	\$423.38	\$381.04
SCBCR, SCKCR, SCMCN, SCSCR, & SCLCR	1/2"		-407104	453.18	407.86
	5/8"		-407105	610.78	549.70

MICRO 100™ CCMT Carbide Insert 80° Diamond

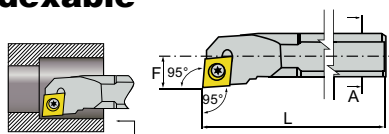
MICRO 100 is a space age, micro grain carbide of excellent quality. It is in a class of its own, resulting from the exclusive treating process. Micro grain carbide has superior rupture strength for exceptional machining versatility. It is also highly shock resistant, it will not chip or break under normal machining conditions and is unexcelled in interrupted cutting. It prolongs tool life in machining all hard stainless steels, and also efficiently performing in exotic metals.

Insert Style	I.C.	Hole Dia.	Thickness	Corner Radius	Part No. 1-428-	Reg. Net Price	SALE!
CCMT 21.51	1/4"	.110"	3/32"	1/64"	-501100	\$15.38	\$13.84

MIO DEX™ SI-SCLC R Indexable Boring Bars

FEATURES:

- Negative 3° side & end cut edge angle.
- Uses 80° diamond positive clearance CCMT inserts.



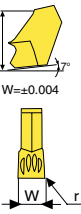
Boring Bar Style	Shank Size	Min. Bore	OAL L	Center Line F	Insert Series	Part No. 6-870-	Reg. Net Price	SALE!
SI-SCLCR 4-2	.315"	.354"	4"	.1875"	21.51	-042	\$96.55	\$82.07
SI-SCLCR 6-2	.375	.468	6"	.2500		-062	96.55	82.07
SI-SCLCR 8-2	.500	.560	7"	.2900		-082	96.55	82.07
SI-SCLCR 10-2	.625	.850	8"	.4050		-085	128.95	109.61
SI-SCLCR 8-3	.500	.625	7"	.3120	32.52	-083	97.20	82.62
SI-SCLCR 10-3	.625	.812	8"	.4060		-103	113.31	96.31
SI-SCLCR 12-3	.750	1.000	10"	.5000		-123	121.83	103.56
SI-SCLCR 16-3	1.000	1.120	12"	.6094		-163	154.89	131.66

KORLOY™

Style SP Carbide Inserts

GRADE NC-3030: Excellent coated grade for rough cuts in steel & steel alloys. Equivalent to P20-P40 & M20-M40 grade. Recommended Cutting Speed: 250-650 SFM.

Insert Style	W	l	r	Part No. 1-244X-	Reg. Net Price	SALE!
SP300	.122"	.445"	.008"	-SP3	\$20.44	\$17.37
SP400	.161	.445	.010	-SP4	21.06	17.90



NIKOLE MINI-SYSTEMS Grooving & Cut-Off Set

For Grooving & Cut-Off Under .078" Width



Supplied with a fitted case.

FEATURES:

- The only system that provides you with two cutting edges in one insert in extremely narrow widths.
- Positive locking insert screw & unique insert pocket design assures a repeatable cutting edge location.

SET INCLUDES:

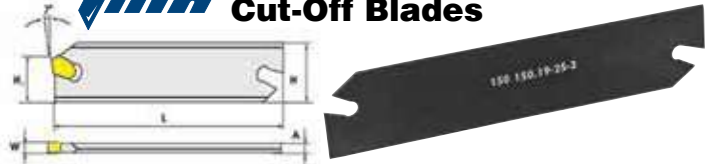
- (1) Right Hand Toolholder 1/2" SQ x 4-1/2" L.
- (5) TIN Coated Standard Grooving Inserts: .035" W x .100" T .043" W x .235" T .051" W x .235" T .063" W x .235" T .073" W x .235" T
- (1) Screw & Torx Key.

Part No. 1-293-015

Reg. Net Price \$285.29

\$242.50

MIO DEX™ Adjustable Cut-Off Blades



Insert Size	Blade Size (H)	H1	L	W	A	Max Dia.	Part No. 6-895-	Reg. Net Price	SALE!
GTN-2	1.02"	.83"	4.33"	.087"	.065"	1.97"	-262	\$143.77	\$122.20
				.122	.091	2.95	-263	142.42	121.06
				.161	.126	3.15	-264	137.93	117.24
				.201	.169	3.15	-265	141.30	120.11
GTN-3	1.26	.97	5.91	.122	.091	3.94	-323	161.74	137.48
				.166	.126	3.94	-324	152.42	129.56
				.201	.169	4.70	-325	164.39	139.73

MICRO 100™ APKT Carbide Insert

MICRO 100 is a space age, micro grain carbide of excellent quality. It is in a class of its own, resulting from the exclusive treating process. Micro grain carbide has superior rupture strength for exceptional machining versatility. It is also highly shock resistant, it will not chip or break under normal machining conditions and is unexcelled in interrupted cutting. It prolongs tool life in machining all hard stainless steels, and also efficiently performing in exotic metals.

Insert Style	I.C.	L	T	r	F	Part No. 1-428-	Reg. Net Price	SALE!
APKT 1003PDR	.264"	.413"	.137"	.020"	.047"	-502100	\$16.88	\$15.19

MIO DEX™ Indexable End Mills

Indexable End Mills

FEATURES:

- For use with positive parallelogram, 11° clearance, APKT 1003 inserts.
- Each holder includes high precision M2.5 x T-8 Torx Screw and Torx key.

Cutting Dia.	Cutter Length	No. of Flutes	OAL	Shank Dia.	Part No. 1-428-	Reg. Net Price	SALE!
3/8"	1-1/2"	1	3"	1/2"	-311216	\$159.78	\$143.80
1/2"	1-1/2"	1	3	1/2	-311616	178.48	160.63
5/8"	1-1/2"	2	3	1/2	-311816	197.28	177.55
3/4"	1	3	4-3/8	3/4	-312424	272.38	245.14
	2	4	4-3/8	3/4	-313224	291.08	261.97
1-1/4"	1	5	4-3/8	3/4	-314024	433.78	390.40
	2						

Magnetic Chuck Block Parallels

FEATURES:

- Precision ground on all surfaces.
- Sold in pairs only.

1" x 2" x 4"

Part No. 1-546-008

Reg. Net Price \$77.00

\$65⁴⁵ /Pair



Mill Caddy

With the mill caddy from Edge Technology you can now hang your vise handle, dead blow hammer and air line from the front of the milling machine table.

The mill caddy allows for a less cluttered work area by placing your most frequently used tools out of the way.

[Click here for complete details.](#)



Part No. 1-811-06000 **\$32⁹²**
Reg. Net Price \$38.73

LFA® Heavy-Duty Key-Type Precision Chucks

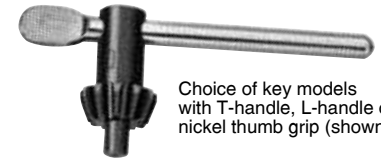
Chuck Model	Jacobs Equiv.	Capacity Inches	Tapered Mount	Jacobs Key	Part No. 1-507-	Reg. Net Price	NOW!
81	1A	0 - 1/4	1JT	K1	-500	\$66.50	\$56.52
82	32	0 - 3/8	2JT	K2	-501	105.12	89.35
43	34	0 - 1/2	6JT	K3	-502	123.70	105.15
43	34	0 - 1/2	33JT	K3	-519	123.70	105.15
84	3A	1/32 - 5/8	3JT	K3	-503	195.45	166.13
85*	—	1/16 - 3/4	4JT	K4	-507	302.52	257.14
45	36	3/16 - 3/4	3JT	K3	-504	261.97	222.67
85B	—	3/16 - 1-1/32	4JT	K4	-505	496.19	421.76

Heavy-duty performance. Plain bearing models precision crafted. All parts are hardened for maximum tool life.

*Extra Heavy-Duty Model



Jacobs® Chuck Keys



Choice of key models with T-handle, L-handle or nickel thumb grip (shown).

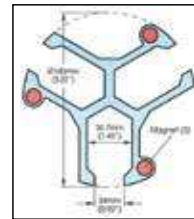
Model	Handle Style	Part No. 1-508-	Reg. Net Price	SALE!
K1	T-Handle	-3641	\$9.11	\$8.20
K2	Thumb	-3649	12.87	11.58
K3	Thumb	-3651	15.28	13.75
K4	Thumb	-3655	23.05	20.75

ROYAL® Chuck Stop Sets

The Royal Chuck Stop provides a simple, consistent method for locating short parts in a 3-jaw lathe chuck by allowing short parts to project past the chuck jaws, providing clearance for facing operations.

FEATURES:

- Captive, web-shaped design eliminates the danger of using spacers or parallels that could come loose and be thrown from a spinning chuck. Three strong magnets further secure the stop to the chuck face.
- Setup time is greatly reduced - no need to bore soft jaws.
- Slot width can be easily enlarged for wider chuck jaws.
- Anodized finish provides good wear-resistance.



Description	Part No. 1-533-	Reg. Net Price	SALE!
3 Pc Set - Includes 15, 20 & 25mm	-25200	\$596.75	\$566.91
5 Pc Set - Includes 15, 20, 25, 30 & 35	-25210	1036.95	985.10



Jacobs® Morse Taper Chuck Arbors



Taper Shank	Jacobs Taper	Part No. 1-508-	Reg. Net Price	SALE!
2MT	3JT	-7308	\$41.84	\$35.56
2MT	6JT	-7311	57.37	48.76
2MT	33JT	-7312	42.69	36.29
3MT	3JT	-7315	56.61	48.12
3MT	4JT	-7316	66.36	56.41
3MT	6JT	-7318	59.65	50.70
3MT	33JT	-7319	57.77	49.10
4MT	3JT	-7321	89.10	75.74
4MT	4JT	-7322	91.95	78.16
4MT	6JT	-7324	93.60	79.56
4MT	33JT	-7325	94.13	80.01

Mini Horizontal/Vertical Rotary Tables

FEATURES:

- Table clamping surface are precision ground and cylindrical center bore concentric.
- Supplied with a pair of mounting clamps.
- Dual position tables used for circular cutting, angle setting, boring and spot facing operations.
- Horizontal and vertical rotary tables come with 360° graduations.
- Features dual positive action locks with extra deep coolant channel.



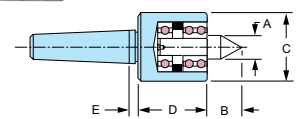
Indexing plate not included.

Diameter	Center Hole	Worm Ratio	Weight (lbs.)	Part No. 1-397-	Reg. Net Price	NOW!
3"	1 MT	1:60	8.9	-5566	\$271.30	\$230.61
4"	2 MT	1:72	14.5	-5561	387.60	329.46

Riten® Econo Tri-Bearing Live Centers

FEATURES:

- Three rows of bearings.
- Points are through-hardened to 61-63 Rc.
- Accuracy guaranteed to ±0.00005 or better.
- Sealed bearings lubricated for life, protected against contaminants and coolant.
- Max. Speed: 2,500 RPM.
- Weight: 300 lbs.



Morse Taper	A	B	C	D	E	Part No. 1-435-	Reg. Net Price	SALE!
2	9/16"	13/16"	1-5/8"	1-5/8"	1/4"	-44102	\$396.80	\$337.28
3	13/16"	1	2	1-15/16"	1/4"	-44103	409.20	347.82
4	1	1-1/4"	2-3/8"	2-1/4"	1/4"	-44104	545.60	463.76

TECHNIKS® 43 Pc. CAT40 V-Flange Tooling Package

ER COLLET CHUCK FEATURES:

- Power coat nut holds up to 75% tighter than standard nuts to extend cutting tool life.
- Factory balanced to 25,000 RPM.
- Collet precision .0002" .

END MILL HOLDER FEATURES:

- Manufactured to H5 tolerance.
- Factory balanced to 10,000 RPM.
- Lab tested and lab certified.



Model No. TP-C40
Part No. 7-520-TPC40
Reg. Net Price \$3,259.65
\$2,607⁷²



SET INCLUDES:

Qty.	Description
4	CAT40, ER 32 x 2.76" Collet Chuck
2	CAT40, ER 16 x 2.76" Collet Chuck
1	10 pc. ER 16 - Inch Collet Set
1	18 pc. ER 32 - Inch Collet Set
1	CAT40, 1/4" x 3" End Mill Holder
1	CAT40, 3/8" x 3" End Mill Holder
1	CAT40, 1/2" x 3" End Mill Holder
1	CAT40, 5/8" x 3" End Mill Holder
1	CAT40, 3/4" x 3-1/2" End Mill Holder
1	CAT40, 1" x 4" End Mill Holder
1	CAT40, 1/2" x 4" Drill Chuck
1	ER 16 - Wrench
1	ER 32 - Wrench

EDGE TECHNOLOGY Pro Vise Stop For 6" Vises

Single Side
Part No. 1-811-03000
Reg. Net Price \$92.98
\$79⁰³



- FEATURES:**
- Locate long stock with the included stop rod collar.
 - Double side allows two workpieces to be located for increased productivity.
 - Low profile design stays below the top surface of vise jaws for cutter clearance.
 - Non-marring 1/4"-20 nylon tip set screw used to secure stop rod mount without damage to lever arm.
 - Versatile design allows the 1/4" hardened stop rod to be quickly and accurately positioned.
 - Lever arm can be rotated out of the way for cutter clearance and accurately relocated for repeat setup.

13 Pc. R8 Round Collet Set



SIZES:
1/8" to 7/8" by 16ths

- FEATURES:**
- Made of high grade steel.
 - Internal Thread: 7/16"-20.
 - Hardened & precision ground.

Part No. 1-519-020
Reg. Net Price \$190.15
\$161⁶³

The Premier R8 Collet Rack

The Original R8 Collet Saver!

Holds a complete set of 12 R8 collets.

- FEATURES:**
- Ideal accessory for Bridgeport Series I and other similar mills.
 - Pick out sizes at a glance.
 - Will not mar or damage collets.
 - Easy to install - No holes to drill and tap.
 - Attaches in minutes to machines or benches.
 - Protects collet shanks from chips and coolant.
 - Made of high strength materials for tried and proven durability.



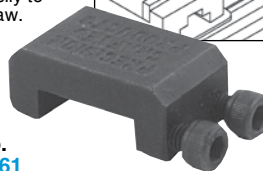
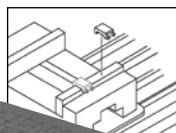
Part No. 1-588-125
Reg. Net Price \$51.07
\$43⁴¹



Vise Clamp Workstop



- FEATURES:**
- Fits most 6" milling machine vises.
 - Clamps quickly and easily to top of jaw.



Part No. 1-541-161
Reg. Net Price \$15.61
\$13²⁷

LYNDEX R8 Round Collets

"Precision Grade"



Size (inch)	Part No. 1-5250-	Reg. Net Price	SALE!
1/8"	-008	\$54.25	\$48.83
3/16	-012	54.25	48.83
1/4	-016	54.25	48.83
5/16	-020	54.25	48.83
3/8	-024	54.25	48.83
1/2	-032	54.25	48.83
5/8	-040	54.25	48.83
3/4	-048	54.25	48.83
7/8	-056	68.20	61.38
1*	-100	68.20	61.38

* Light Duty.

TMX CAT 40 V-Flange Precision Ball Bearing Keyless Drill Chucks



- FEATURES:**
- Keyless operations.
 - Draw Bar Threads: 5/8"-11
 - Self-tightening (clockwise rotation only).
 - Integral shank design is more compact than a combined drill chuck and arbor. It gives greater accuracy and rigidity.
 - Made of alloy forged steel for long, durable service life.

PRODUCED ACCORDING TO AT3 SPECIFICATIONS.

Chuck Capacity	Chuck Dia.	Gage Length	Part No. 7-081-	Reg. Net Price	SALE!
1/32-1/2"	2"	4.13"	-750	\$439.50	\$373.58
1/8-5/8"	2-1/4"	5.12"	-751	471.55	400.82

Magnetic Adjustable Link

For welding and holding steel plates in position.



Two heavy-duty Alnico magnetic blocks 2" long x 1" square, linked together with two nickel plated bars with wing nuts for easy angle adjustment.

Part No. 1-397-375
Reg. Net Price \$59.85
\$50⁸⁷

TE-CO Single Station Machine Vises

Single station machine vises have a more robust main screw that can handle higher torque loads and transmit higher clamping pressure. The angled slide and locking jaw design prevents lifting of the moveable jaw.

REPEATABILITY 0.001"

- FEATURES:**
- Hardened vise bed and jaw plates.
 - Outside rails of body are machined.
 - Stationary jaw has machined keyway for alignment of the vise and includes alignment rail for quick setups.
 - Footprint and distance from the keyway to stationary jaw meets industry standard.

SPECIFICATIONS:

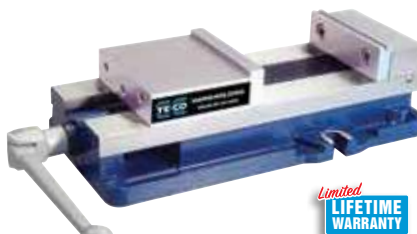
	4" Vise	6" Vise	8" Vise
Max. Jaw Opening	6"	9"	11"
Jaw Width	4"	5.94"	8"
Jaw Depth	1.38"	1.75"	2.2"
Vise Length	14.22"	17.206"	21.81"
Vise Width	6.3"	8.77"	11.5"
Weight	33 lbs.	81 lbs.	175 lbs.



NEW!

- 4" VISE FEATURES:**
- The largest opening in its class of 6".
 - Powder coated paint resists flaking and peeling.
 - Sealed and lubricated needle roller thrust bearing for maximum life and minimum torque.
 - Up to 7,000 lbs. of clamping force.
 - Bed height matched to size 2-1/4" +/- 0.0005".

Part No. 1-903-PWS4600
Reg. Net Price \$1,016.80
\$915¹²



Limited LIFETIME WARRANTY

- 6" VISE FEATURES:**
- The largest opening in its class of 9".
 - Sealed bearing system reduces clamping pressure and increases bearing life.
 - Up to 8,200 lbs. of clamping force.
 - Bed height matched to size 2-7/8" +/- 0.0005".

Part No. 1-903-PWS6900
Reg. Net Price \$1,392.99
\$1,184⁰⁴



Limited LIFETIME WARRANTY

- 8" VISE FEATURES:**
- The largest opening in its class of 11".
 - Powder coated paint resists flaking and peeling.
 - 80,000 PSI ductile iron body with increased nickel content for improved corrosion resistance.
 - Sealed and lubricated needle roller thrust bearing for maximum life and minimum torque.
 - The 4 bolt design on the stationary jaw reduces deflection by 25%.
 - Up to 100,000 lbs. of clamping force.
 - Bed height matched to size 3.31" +/- 0.0005".

Part No. 1-903-PWS8110
Reg. Net Price \$3,254.23
\$2,928⁸¹



Shop Vises

- FEATURES:**
- Built in pipe jaws handle various pipe sizes.
 - Large anvil work surface.
 - Replaceable serrated top jaws.
 - Rubber pinch point safety guards.
 - 360° swivel base with double lockdown for quick and easy positioning.



Limited LIFETIME WARRANTY

Jaw Width	Max. Opening	Jaw Depth	Weight (lbs.)	Part No. 1-550-	Reg. Net Price	SALE!
4"	4"	2-3/4"	22	-63300	\$363.63	\$309.09
5	5	3	31	-63301	440.05	374.04
6	6	3-1/2	42	-63302	637.67	542.02
8	8	4	71	-63304	959.14	815.27



Grinding Wheel Dresser

Fulfill most general dressing needs where fast dressing is the primary requirement.



Dresser No.	For Use on Wheels		Complete Dresser			Cutters Only				
	Diameter	Face	Part No. 1-607-	Reg. Net Price	SALE!	Diameter	Hole	Part No. 1-607-	Reg. Net Price	SALE!
No. 0	Up to 10"	2"	-125	\$45.48	\$38.66	1-1/4"	1/4"	-140	\$5.30	\$4.77
No. 1	10 to 16"	2-3/4"	-130	\$6.50	48.03	1-1/2"	1/2"	-145	7.25	6.53

CGW AZ Surface Grinding Wheels

VITRIFIED BONDED - AZ: Premium Blue Aluminum Oxide. Fast and cool cutting characteristics suitable for grinding heat sensitive, alloy steels and mold steels (high speed steels under 58RC).

7" x 1/2" x 1-1/4"
Max. Speed: 3,760 RPM

Grit	Part No. 1-595-	Reg. Net Price/Ea.	SALE!
46-H	-34318	\$35.64	\$28.51
46-I	-34319	35.64	28.51
46-J	-34320	35.64	28.51
46-K	-34321	35.64	28.51
60-H	-34323	33.79	27.03
60-I	-34324	35.64	28.51
60-J	-34325	35.64	28.51
60-K	-34326	35.64	28.51
80-K	-34329	35.64	28.51
100-K	-34330	35.64	28.51



VIREX-CUT ABRASIVES SIGMA GREEN Grinding Wheels

For aluminum, stainless steel, mild steel, hard face, titanium, alloys.

SIGMA GREEN is an aggressive grinding wheel manufactured with a specialty grain and bond combination resulting in a better finish. This is achieved by constructing SIGMA GREEN with a layer of coarse grain and a second layer of finer grain.

- FEATURES:**
- 36 Grit, fast stock removal.
 - High performance grain.
 - Controlled, smooth, and quiet grinding.
 - Superior finish.
 - Cool cutting.
 - Won't discolor or warp stainless.
 - Reduces labor rates.
 - Minimizes operator fatigue.



Size	Max. RPM	Arbor Hole	Part No. 1-603-	Reg. Net Price	SALE!
4-1/2"	13,300	7/8"	-045	\$11.78	\$9.42
	13,300	5/8-11	-050	15.83	12.66
5"	12,200	7/8"	-053	15.83	12.66
	12,200	5/8-11	-054	19.08	15.26
7"	8,500	7/8"	-055	20.92	16.74
	8,500	5/8-11	-060	24.25	19.40

TYPE 27

NEW!
EXPANDED LISTING!



NORTON SAINT-GOBAIN Combination Bench Stones

6" X 2" X 1"
COARSE/FINE GRIT

Combination Grit: Smooth cutting aluminum oxide abrasive, Norton's patent for a fine finish. Long lasting cutting edge. Ideal for clean deburring, generating keen edges and quality finishes.



Crystalon (Silicon Carbide): Fast cutting stone; ideal for general sharpening of cutting tools. Fast stock removal for quick edge sharpening with minimal loading.

Part No. 1-632-85450 \$4341
Reg. Net Price \$51.07

India - Aluminum Oxide
Part No. 1-632-85560 \$4053
Reg. Net Price \$47.68

SHAVIV Deburring Tools

THE FINISHING TOUCH...



HIGH SPEED STEEL

Internal and external rotary deburring tool. Twist of the wrist motion for convenient deburring of holes and radii.

Model B10



Part No. 1-457-008

Reg. Net Price \$3.56

\$267

Excellent for materials with spiral chips such as aluminum, plastics, steels, etc. For longer life.

Model B10P



Part No. 1-457-008X

Reg. Net Price \$4.89

\$367

PVD Titanium Nitride coated B10 blade for high wear conditions.

Model B20



Part No. 1-457-010

Reg. Net Price \$3.56

\$267

Ideal for brass, cast iron, & other materials with powdery chip. Deburrs both clockwise & counter-clockwise directions.

Model B20P



Part No. 1-457-010T

Reg. Net Price \$5.06

\$380

PVD titanium coated B20 blade for high wear conditions.

CGW Quickie Cut ABRASIVES Reinforced Cut-Off Wheels

Zirconia and Aluminum Oxide mixture. General purpose wheel. Zirconia grain allows for faster cutting and longer life. Excellent on steel/stainless.



TYPE 1

TYPE 1 .045" - RIGID

Size	Grade	Max. RPM	Part No. 1-602-	ONLY!
4-1/2" x .045" x 7/8"	ZA-36-T-RIGID	13,300	-35514	\$3.22
5 x .045 x 7/8	ZA-36-T-RIGID	12,250	-35516	3.81
6 x .045 x 7/8	ZA-36-T-RIGID	10,200	-35517	4.12
7 x 1/16 x 7/8	ZA-36-T-RIGID	8,500	-35518	6.36

TYPE 27

Size	Grade	Max. RPM	Part No. 1-602-	ONLY!
4-1/2" x .045" x 7/8"	ZA60-S-BF	13,300	-45002	\$3.77
5 x .045 x 7/8	ZA60-S-BF	12,250	-45005	4.60
6 x .045 x 7/8	ZA60-S-BF	10,200	-45007	5.16
7 x 1/16 x 7/8	ZA60-S-BF	8,500	-45008	7.53

Chamfering & Deburring Machine

OVERSTOCK SALE!
Quantities Limited.

FEATURES:

- Ideal for chamfering/deburring of small workpiece.
- Includes: (6) SPU-422 inserts in indexable milling cutter.
- Easy set-up.



SPECIFICATIONS:

Voltage 1 PH, 110V/60Hz
Speed 3500 RPM
Chamfering Capacity 0 to 1/8"
Chamfering Angle 15° to 45°
Space Requirement 20" x 12"



Part No. 1-548-100
Reg. Net Price \$1,622.90

\$1,217¹⁸

3M Roloc™ 3" Disc Intro Pack

Introductory pack of 3" diameter Roloc™ surface conditioning discs, 3M™ Cubitron™ II coated abrasive discs, and Roloc™ disc pad for high performance jobs. This pack provides an easy way to evaluate the right product, size and grade for your application.

PACK INCLUDES:

- 3" 3M™ Cubitron™ II Roloc™ Durable Edge Discs 984F (3 Ea. - Grades 36+, 60+, 80+).
- 3" Scotch-Brite™ Roloc™ Surface Conditioning Discs (2 Ea. - Grades S SFN, A VFN, A MED, A CRS).
- 3" 3M™ Roloc™ Disc Pad TR (hard) 1/4" Thread Shaft.



OVERSTOCK SALE!
Quantities Limited.



Part No. **1-630-82900** **\$147⁹⁹**
Reg. Net Price \$211.41

12 Pc. 5-1/2" Needle File Set

#2 Medium Cut Economy



Part No. **4-130-999**
Reg. Net Price \$15.42

\$12³⁴ Supplied in a wallet.

SET INCLUDES (1 EA.):

- Flat.
- Joint.
- Knife.
- Round.
- Slitting.
- Square.
- Barrette.
- Marking.
- Crossing.
- Equaling.
- Half-Round.
- Three Square.

SUPERIOR SHUR-BRITE® Surface Conditioning Quick Change Discs

Finish Duty (F.D.) products enable the operator to prepare the work piece with a required surface finish.

FEATURES:

- Added flexibility.
- Maintain a repeatable measured finish.
- Provides a consistent cut rate.

APPLICATIONS:

- Blending
- Deburring
- Scale Removal
- Rust Removal
- Stock Removal
- Weld Splatter Removal



TYPE "S"

**STRONGER - QUICKER
RELIABLE - LONGEVITY**

Size	Grit	Color	Part No. 1-613-	Reg. Net Price/Ea.	NOW!
2" 50/box	Coarse	Brown	-10544	\$2.31	\$2.08
	Medium	Red	-10545	2.21	1.99
	Very Fine	Blue	-10546	2.21	1.99

SUPERIOR 2" SHUR-KUT® Quick Change Discs

Equal to SocAtt®, PowerLock II®, & Roloc TSM®

PREMIUM ALUMINUM OXIDE

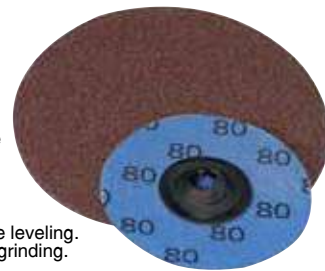
Size	Grit	Part No. 1-613-	Reg. Net Price/Ea.	NOW! Price Ea.
2" 100/box	36	-11111	\$1.20	\$1.08
	40	-11112	1.16	1.04
	50	-11113	1.12	1.01
	60	-11114	1.08	0.97
	80	-11115	1.06	0.95
	100	-11116	1.04	0.94
120	-11117	1.04	0.94	
180	-11119	1.04	0.94	

FEATURES:

- General purpose grinding aid and aggressive stock removal.
- Deburring, edge breaking, surface leveling.
- Mold and cavity grinding.

APPLICATIONS:

- Weld removal - Use grits 36-60.
- Blending of pits, gouges, and surface imperfections - Use grits 80-120.
- Achieve various finish gradients - Use grit 180.



TYPE "S"

SUPERIOR 2" SHUR-KUT® Ceramic Grinding Aid & Quick Change Discs

Equal to Lockit®, PowerLock III®, & Roloc TR®

100 DISCS PER BOX.

Grit	Part No. 1-613-	Reg. Net Price/Ea.	SALE!
60	-40332	\$1.50	\$1.35
80	-40333	1.46	1.31
120	-40334	1.44	1.30

FEATURES:

- Flexible X-weight polyester backing.
- Sharp grains penetrate stainless steel and alloys.
- Open coating density.
- Additional heat dissipation for high temperature grinding.
- Maximum Speed: 30,000 RPM.
- Extended life and grain retention.



TYPE "R"

SUPERIOR SHUR-KUT® Plate Sanders Stik-On Discs

ALUMINUM OXIDE

Large plate sander discs are heavy duty "X" wt. cloth, coated with a smooth hot melt pressure sensitive adhesive. These discs will not slip or fly off and are easily removed without leaving residue on the backing plates.



Size	Grit	Part No. 1-613-	Reg. Net Price/Disc	SALE!
6" 50/box	60	-11459	\$2.43	\$2.07
	80	-11460	2.30	1.96
	100	-11461	2.18	1.85
9" 25/box	60	-11489	6.11	5.19
	80	-11490	5.76	4.90
	120	-11492	5.47	4.65
10" 25/box	60	-11498	7.75	6.59
	80	-11499	7.31	6.21
	120	-11501	7.08	6.02
12" 25/box	60	-11507	10.43	8.87
	80	-11508	9.83	8.36
	120	-11510	9.62	8.18
20" 10/box	60	-11555	30.00	25.50
	80	-11556	28.32	24.07
	120	-11558	27.26	23.17

CRESCENT NICHOLSON® 4 Pc. Handy Man's Home File Pack

For home and professional use. Plastic pouch lists suggested uses for each file.



FEATURES:

- (1) 8" Mill Bastard File
- (1) 8" Four-In-Hand File
- (1) 6" Slim Taper File
- (1) 6" Round Bastard File

Part No. **1-552-22017** **\$43¹⁰**
Reg. Net Price \$57.46



N Promo Set

Deburs steel, aluminum and plastic.

SET INCLUDES:

- Grip 2 Handle
- (10) N1 Blades

Model NG8000

Part No. **1-457-741** **\$18⁵⁵**
Reg. Net Price \$23.19



BriteRite® General Purpose Hand Pads

6" x 9" MAROON ALUMINUM OXIDE

Best for hand application of deburring, polishing, cleaning, finishing and surface preparation on metal composite or plastic surfaces.



Box Qty.	Case Qty.	Part No. 1-631-	Each	ONLY! Ea./Box	Ea./Case
20	60	-827505	\$2.71	\$2.44	\$1.90



Dial Indicator

FEATURES:

- 4-48 Thread.
- Tolerance markers.
- Solid brass housing.
- Popular AGD 2 Series.
- Supplied with lug back.
- Carbide tipped contact points.
- Meets ANSI specs for accuracy.

Part No. **52-520-110** **\$90⁰⁷**
Reg. Net Price \$138.57



save
35%

SPECIFICATIONS:

Range 1"
Graduation001"
Dial Reading 0-100

Dial Caliper & Indicator Sets

save
20%

SETS INCLUDE:

- Dial Caliper: 0-6".
- Dial Indicator: 0-1".
- Supplied in a fitted plastic case.



Black Face Set

Part No. **8-135-0016** **\$62⁶⁸**
Reg. Net Price \$78.35

White Face Set

Part No. **8-135-0017** **\$62⁶⁸**
Reg. Net Price \$78.35



Universal Magnetic Base

With Fine Adjustment On The Top

FEATURES:

- Five axis holder.
- Instant fixation in any position.
- Fast and easy to set up gauges.
- Universal swivel clamp holds a 6mm, 8mm, 3/8" stem, dovetail or back lug.
- Powerful magnet with ON/OFF switch.
- Central locking mechanism with NOGA designed spring loaded bearing.
- Arm Length: 4.33" Bottom, 3.98" Top.
- Magnetic Pull: 176 lbs./ft.

Model No. DG61003

Part No. **1-457-909** **\$187¹⁸**
Reg. Net Price \$220.21



Starrett® Dial Test Indicators

Series 3809, 3909

FEATURES:

- Contacts are frictionally adjustable and replaceable.
- Precision gear-driven design with smooth, jeweled movement.
- 3 dovetail positioning mounts.
- Contact point reverses automatically, maintaining clockwise hand rotation.
- Meets or exceeds ANSI/ASME accuracy specifications.

Supplied with a case.

SPECIFICATIONS:

Range030"
Graduation0005"
Dial Readings 0-15-0

Starrett #3809A

Dial Diameter: 1-1/4"

Part No. **1-855-12333**
Reg. Net Price \$187.00

\$158⁹⁵

Starrett #3909A

Dial Diameter: 1-9/16"

Part No. **1-855-12527**
Reg. Net Price \$203.00

\$172⁵⁵



INCLUDES:

- Indicator.
- (2) Contact Points: .156".
- (2) Dovetail Clamps: 3/8" & 5/32".

1" Dial Indicator & Magnetic Base Combo Kit

INDICATOR FEATURES:

- White dial face.
- Revolution counter.
- Graduation: .001".
- .100 per revolution.
- Dial Reading: 0-100.



MAGNETIC BASE FEATURES:

- Overall Height: 9".
- Base: 2-5/8" x 2".
- Permanent magnetic type on/off switch makes it easy to rest on iron or steel.
- With fine adjustment and 130 lbs. of pull.

Supplied in a fitted case.

Part No. **8-100-005F** **\$52⁶³**
Reg. Net Price \$61.92



2 Pc. Set-Up & Inspection Kit

OVERSTOCK SALE!
Quantities Limited.

KIT INCLUDES:

- Test Indicator: .030 x .0005".
- Test Indicator Holder: 1-7/8".
- (2) Stems: 5/32" & 3/8".

Supplied with a fitted plastic case.



White Face Kit

Part No. **8-135-0014** **\$77⁵⁰**
Reg. Net Price \$106.49



XTRA-VALUE CAL

0-6" Electronic Caliper

save
20%



FEATURES:

- Direct inch/metric conversion.
- 4-way measurement.
- Stainless steel frame.
- Large easy-to-read display.
- Resolution: 0.0005" (0.01mm).
- Absolute/incremental measurement.

Range: 0-6"

Part No. **54-101-150**
Reg. Net Price \$105.77

\$84⁶²

Precision Parallel Set

Matched Pairs 5 Holes

SIZES INCLUDED:

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

Part No. **1-801-210**
Reg. Net Price \$91.30

\$68⁴⁸



FEATURES:

- Hardness: Case hardened to RC 55-62 on 2 sides top and bottom only.
- Dimensions: Within 0.001" allowance.
- Made from fine quality tool steel stress relieved against distortion, precision ground and hardened.
- Tolerance: Parallel 0.0003" on 2 sides, top and bottom.
- The holes are designed for easier handling and set-ups.

save
25%



iGAGING® iP54 ABS Heavy Duty Digital Calipers

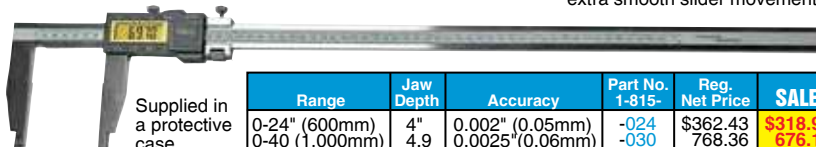
Inch/Metric Conversion w/ SPC Output

FEATURES:

- Nib size: 0.800".
- Resolution: 0.0005" (0.01mm).
- Absolute encoding technology memorize absolute origin zero.
- IP54 - Splash water, oil and dust resistant.
- Ultra-response, unlimited measuring speed.
- Heavy duty stainless steel frame.
- High contrast LCD display.
- Fine adjustment screw.
- CR2032 Battery included.

These calipers use super high accuracy Absolute memory technology. They keep track of its origin position once set. Whenever the digital calipers turn on, the easy-view large LCD displays the actual sensor position ready to start measuring. Not necessary to reset zero. High quality surface finish for extra smooth slider movement.

NEW!



Supplied in a protective case.

Range	Jaw Depth	Accuracy	Part No. 1-815-	Reg. Net Price	SALE!
0-24" (600mm)	4"	0.002" (0.05mm)	-024	\$362.43	\$318.93
0-40" (1,000mm)	4.9"	0.0025" (0.06mm)	-030	768.36	676.15



6" Extended Range Dial Bore Gage Set

NEW!

save 25%

FEATURES:

- Accuracy: 0.0005" with crisp precision graduations.
- Carbide tip on plunger.
- Full set of attachments and parts included.



Supplied in a protective case. **1 YEAR WARRANTY**



Range: .7-6" (up to 10" deep)
Part No. **1-815-400**
Reg. Net Price \$266.42 **\$199⁸²**

iGAGING EZ-View DRO Plus Digital Scales

With Remote Readout

Horizontal or Vertical with SPC/USB Data Output

Designed specifically for convenient display of any axis of a machine tool movement. Can be mounted on almost any surface, offering the user precise linear measurement capabilities. Precise depth control floating zero allows you to set "zero" anywhere within operating range with a push of a button.

FEATURES:

- Resolution: 0.0005"/0.01mm/Fraction interchangeable 1/32", 1/64", 1/128".
- Remote cable length: 76".
- Articulating arm allows for stacking multiple displays.
- Includes mounting brackets.
- 3-Volt CR2032 Battery.



Range	Accuracy	Distance Between Mounting Brackets	Part No. 1-815-	Reg. Net Price	SALE!
0-6" (150mm)	.002" (0.051mm)	11-1/4"	-750	\$54.96	\$46.72
0-12" (300mm)	.004" (0.102mm)	17-1/4"	-755	68.69	58.39
0-24" (508mm)	.008" (0.203mm)	29-1/4"	-760	96.17	81.74
0-36" (800mm)	.013" (0.033mm)	41-1/4"	-765	109.92	93.43

[Click here for complete details.](#)

Mitutoyo 0-1" Dial Indicator

Continuous Dial with Lug Back Series 2
Inch (ANSI/AGD)

FEATURES:

- A revolutionary offset spindle bushing design provides trouble-free stem clamping and a longer clamping range.
- Unique shock-proof mechanism protects against shock from sudden spindle retraction.
- Greater rigidity in the bearing plate reduces retracing error by up to 20%.
- 4-Screw mounting increases impact resistance for better, longer accuracy.
- No through screw hole on the frame provides better dust resistance.
- Contact point is carbide tipped for lasting accuracy, durability.
- Manufactured to meet ANSI/AGD standards.

Part No. **1-808-2416A**
Reg. Net Price \$154.00
\$130⁹⁰



Supplied in a fitted plastic case.

SPECIFICATIONS:

Dial Diameter 2-1/4"
Per Revolution 0.10"
Graduation 0.0010"
Dial Reading 0-100

Mitutoyo 6 Pc. Telescoping Gage Set

Series 15

FEATURES:

- Satin chrome finish.
- Uniform contact pressure.
- Available individually or in sets.
- Plunger of gages expand from the center, under spring tension, to size of hole being measured and then locked in place by knurled knob. Measurement then made by a micrometer or a vernier caliper.

Range: .313" to 6.00"
Part No. **1-808-155903**
Reg. Net Price \$291.00
\$247³⁵



Mitutoyo 0-3" Outside Micrometer Set

Series 103

FEATURES:

- Carbide faces.
- Positive locking clamp.
- Baked-enamel finished frame.
- Clear graduations on satin-chrome finish.
- Ratchet stop or friction thimble for exact repetitive readings.

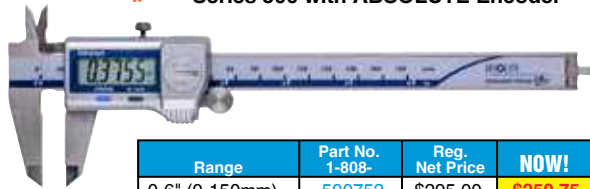
Set Includes				Part No. 1-808-	Reg. Net Price	SALE!
Range	Grad.	Mitutoyo No.	Remarks			
0-1"	.0001"	103135	Friction Thimble			
1-2"	.0001"	103136				
2-3"	.0001"	103217	Ratchet Stop w/ Standard	-103922	\$549.00	\$466.65



Supplied with a fitted carrying case.

Mitutoyo ABSOLUTE Coolant Proof Calipers

Series 500 with ABSOLUTE Encoder



Range	Part No. 1-808-	Reg. Net Price	NOW!
0-6" (0-150mm)	-500752	\$295.00	\$250.75
0-8" (0-200mm)	-500753	397.00	337.45
0-12" (0-300mm)	-500754	601.00	510.85

FEATURES:

- Resolution: .0005" (.01mm).
- IP67 means it's immune to coolants, dirt, grit, and chips.
- Certificate of inspection provided on 6" model.
- No SPC Output.



Mitutoyo Dial Bore Gages

Series 511

FEATURES:

- Interchangeable anvils and necessary accessories to perform close tolerance I.D. measurements.
- A digimatic Indicator can be attached in place of the dial gage.
- Accuracy: .0002" (5µm)
- Carbide ball contact point for durability.
- Optional extension rods can be attached.

2923SB-10 INDICATOR FEATURES:
Range05"
Graduation0001"
Dial Reading 0-5-0

Range	No. of Anvils	No. of Spacers	Probe Depth	Part No. 1-808-	Reg. Net Price	SALE!
.70-1.4"	9	2	4"	-511751	\$524.00	\$445.40
1.40-2.5"	6	4	6"	-511752	576.00	489.60
2.00-6.0"	11	4	6"	-511753	565.00	480.25



Mitutoyo

PRECISION EQUIPMENT SALE

SAVE UP TO 15% OFF
Height Gages, Full-Flex Rules,
Laser Scan Micrometers,
Dial & Vernier Calipers, & More!

SAVINGS END 6.30.24!

Spring 2024



0-6" Economy Depth Micrometer

FEATURES:

- Graduation: .001"
- Satin chrome finish.
- Rod Diameter: 0.176"
- Base surface hardened, ground and lapped.
- Ratchet thimble.
- Locking clamp
- Base Length: 4".



Part No. 52-225-116
Reg. Net Price \$324.73

\$211⁰⁷



Supplied with a shop hardened case.

2-4-6 Block Pairs



FEATURES:

- Precision ground & hardened on all sides.
- Ideal for mounting work for precision grinding and layout.
- 23 holes: 5 are tapped 5/8"-11, the other 18 are untapped.
- Parallelism $\pm .0005"$.
- Hardness HRC 56-60.

2" x 4" x 6"

Part No. 1-806-002
Reg. Net Price \$218.55

\$185⁷⁷

4 Pc. Combination Square Set



GRADUATIONS:

1.0mm/64ths, .05mm/32nds

FEATURES:

- Used for layouts, set-ups, checking heights, depths, and setting angles, etc.
- Square head has a level and scribe.
- Square head, center head, and protractor hardened and ground.
- Hardened and tempered blade with satin chrome finish.

12" Blade

Part No. 1-812-001
Reg. Net Price \$92.98

\$74³⁸

MACHINIST'S MATE Electronic Edge Finder

FEATURES:

- Finder lights up instantly when stylus 0.200" dia. x 1/2" length reaches the work edge.
- Exact reading off any electrically conductive metal with clean surface.
- Shank: 1/2" dia., Length: 3-15/16".
- Accuracy: 0.0005".
- Includes: (1) "AAA" Alkaline battery, (1) Bulb in a protective tube.



Self-Contained Visual For Machine Set-Up.

Part No. 1-275-98315
Reg. Net Price \$65.72



25 Pc. Precision Radius Gage With Handle



FEATURES:

- Satin chrome finish.
- Five measuring surfaces for both convex and concave radii.
- Designed for checking or laying out concave or convex radii.
- Used for inspection, layout, pattern making and all other machining jobs.
- Each gage is marked clearly with its size.

Supplied in a fitted case.

Tool No. RG1

Size Range: 1/64" - 17/64" by 64ths and 9/32" to 1/2" by 32nds.

Part No. 8-410-009
Reg. Net Price \$66.50

\$53²⁰



Rectangle Stainless Steel Protractor

FEATURES:

- Used for drawing radial lines, transferring angles, and setting bevils.
- Head Measures: 3-5/16" x 2".
- Measures angles from 0-180°.
- 6" arm and knurled thumb lock nut.
- Blade secured firmly by lock nut at any angle.
- Made of tempered steel with satin chrome finish.



Part No. 1-804-17SS
Reg. Net Price \$32.04

\$27²³



Waterproof Video Inspection Camera/Boscope With 8mm Probe

FEATURES:

- Probe has an IP67 rating and a VGA resolution camera lit by 4 adjustable-brightness LEDs.
- Choice of five menu languages.
- Video shown on the monitor can be zoomed up to 4X and inverted 180°.
- Grip, probe and monitor will resist leaks at depths up to 2m for up to 1 hour.
- Diagonal color LCD - guaranteed leak proof to a depth of 1m.

Model DCS600A

Part No. 1-805-DCS600A
Reg. Net Price \$347.36

\$295²⁶

INCLUDES:

- A/V Cable (also USB for Recorder)
- Grip, Monitor, and #P608-1SR Probe
- (3) Probe Tip Accessories - 45° Mirror, Pickup Hook, and Magnetic Pickup.
- Custom Hard Plastic Carrying Case.
- 1 Year Limited Warranty.

SPECIFICATIONS:

Probe Type Flexible-Obedient (#P608-1SR)
Diameter/Length31" (8mm) / 3.3 ft. (1m)
Dimensions 4.1" x 7" x 2.3" (grip & console)
Camera Depth of Field 2.4" to 10 ft. (60mm to 3m)
Camera Field of View 54°
Camera (or Recording) Resolution 640 x 480 pixels (VGA)
Display Type/Size Color TFT / 3.5" (89mm)
Display Resolution 320 x 240 pixels (QVGA)
Operating Temp. 14° to 122°F (-10° to 50° C) @ 85% RH
Power Source 4 "AAA" Batteries (not included)
Weight 1.1 lbs. (500g)



Starrett® Precision Steel Minus Pin Gage Sets

FEATURES:

- Gages are 2" long and hardened to RC 60/72.
- Pin gages are manufactured to a 0.0002" tolerance.
- All sharp corners are broken.
- Each pin is centerless lapped and is clearly etched with the stated size.
- Color coded, fully adjustable GO/NO-GO gage handle furnished with each set.
- Inspection certificate included.

Supplied in a rugged, high-impact protective case (each space marked for appropriate gage).



Click here for complete details.

Description	Starrett No.	Part No. 1-855-	Reg. Net Price	NOW!
50 Pc. Set, Sizes .011-.060"	S4001-060	-67481	\$159.00	\$135.15
190 Pc. Set, Sizes .061-.250	S4003-250	-67483	352.00	299.20
250 Pc. Set, Sizes .251-.500	S4005-500	-67485	536.00	455.60

FISHER MACHINE Thread Measuring Wire Set

FEATURES:

- For measuring all 60° threads.
- Utilizes the three wire system of measuring external threads, accepted as the most accurate method.
- Measures all 60° threads from 3 to 48 TPI, and all metric threads from .5 to 6mm pitch.

SET INCLUDES:

- 48 wires, in 16 different sizes.

Part No. 1-811-131
Reg. Net Price \$78.12

\$66⁴⁰



Chamfer Gage

Instantly measures top diameter of tapered holes!

The chamfer gage is a precision instrument designed specifically to measure the top (major) diameter of a chamfer, countersink, center drill, or tapered hole. Merely press the spring loaded, conically ground, precision 3-blade Gaging Plunger into the chamfer or countersink and instantly read the dial in .001" or .1mm/.01mm diameter increments. The chamfer gage is a direct reading gage. No Setting Master (Standard) or look-up chart is required. **ACCURACY:** Within .001" in 0°-90°.



SPECIFICATIONS:

Angle Range 0°-90°
Size Range 0-1"

Part No. **1-819-1090** **\$299⁷⁴**
Reg. Net Price \$352.63

0-1" IP65 Twin-Force Digital Micrometer



FEATURES:

- Micro USB data output.
- Ball attachment included.
- (1) 3V CR 2032 battery.
- Twin-force movements: Friction and Ratchet.
- Black anodized friction tube for easy grip and easy clean.
- IP65 Water and dust protective reading.

Supplied with a protective case.

SPECIFICATIONS:

Resolution00005" (.001mm)
Range..... 0-1" (0-25mm)
Accuracy ±.00015"

Part No. **1-815-531**
Reg. Net Price \$169.10
\$135²⁸

4 Pc. V-Blocks Set With Clamps



FEATURES:

- 90° V with 45° even on each side.
- Chrome and hardened steel.
- Ground to 0.0005".
- Parallel on all sides.
- Supplied complete with zinc die cast clamps.

SET INCLUDES:

- (2) 1-1/4 x 1-1/4 x 1-5/8"
- (2) 2" x 1-1/2 x 1-1/2"



Supplied with a heavy-duty fitted case.

Part No. **1-815-700** **\$119⁹⁵**
Reg. Net Price \$155.56



iP54 EZ Absolute Digital Height Gauges



FEATURES:

- iP54 Protective Rating – Moisture & dust resistance.
- Absolute encoding technology memorize absolute origin zero.
- Ultra-response measure speed.
- Resolution: 0.0005" (0.01mm).
- Indication Variability: 0.0005" (0.01mm).
- Zero setting at any position.
- Large LCD display.
- Inch/Metric conversion at any position.
- Indicator bar for travel included.
- Single stainless steel beam with light weight construction.
- Carbide tipped scriber.
- Micro USB data output port.
- Auto power off.
- Supplied in a protective case.

Range	Accuracy	Part No. 1-815-	Reg. Net Price	SALE!
0-12" (300mm)	0.002" (0.04mm)	-645	\$273.40	\$218.72
0-24" (600mm)	0.002 (0.05mm)	-665	426.16	340.93

Replacement Battery 3-Volt Type CR2032
Part No. **1-541-358** Reg. Net Price **\$4.62**



Plastic Thickness Gage Sets

13 THICKNESSES

5" Fan Blade Set
Part No. **1-958-78905**
Reg. Net Price \$49.24

\$41⁸⁵

12" Fan Blade Set
Part No. **1-958-78900**
Reg. Net Price \$76.01

\$64⁶¹



Decimal/Metric	Color
.001" (.025mm)	Amber
.0015" (.038mm)	Purple
.002" (.051mm)	Red
.003" (.076mm)	Green
.004" (.102mm)	Tan
.005" (.127mm)	Blue
.0075" (.191mm)	Matte
.010" (.254mm)	Brown
.0125" (.305mm)	Black
.015" (.381mm)	Pink
.020" (.508mm)	Yellow
.025" (.635mm)	White
.030" (.762mm)	Coral

FEATURES:

- Contains 13 blades riveted together for on-site convenience.
- Color indicates thickness.
- Made of the highest quality plastic material.
- Non-corrosive, non-conductive, non-sparking, and non-marring.
- Packaged in a vinyl case.

81 Pc. Certified Gage Block Set



Toolroom Grade

SET FEATURES:

- Hardened to 65 RC.
- Tolerance: +/- .000050"
- Meets or exceeds federal spec ASME B89.1.9-2002.
- Manufactured in a controlled environment to ensure accuracy.
- Certificate of calibration traceable to N.I.S.T showing deviation of each block.
- Surface Finish: .4 millionths (.01 microns).

SET INCLUDES:

- 1 Block .05"
- 10 Blocks .1"-.1009" in .0001" Steps
- 49 Blocks .101"-.149" in .001" Steps
- 17 Blocks .15"-.95" in .05" Steps
- 4 Blocks 1"-4" in 1" Steps



NIST Certified

Part No. **2-670-081** **\$253⁸⁶**
Reg. Net Price \$317.32

Starrett 2-1/2" Solid Rod Inside Micrometer Set Series 124

FEATURES:

- Hardened and ground anvils on rods, adjustable for length.
- Head anvil is hardened and ground.
- Measuring rods are solid and assembled on one side of the micrometer head.
- Rods are insulated and marked with length.
- Quick-reading figures – Every thousandth numbered on inch reading tools.
- Handle screws in the micrometer head in place of dummy screw, which is opposite a rod lock screw.
- Each set includes micrometer head, rods and supplied in a fitted case.

SPECIFICATIONS:

Range2-12"
Graduation001"
No. of Rods 10
No. of Spacing Collars (1) 1/2"
Movement of Screw 1/2"



Starrett No. 124BZ

Part No. **1-855-50546** **\$485³⁵**
Reg. Net Price \$571.00

Starrett Machinists' Improved Levels Series 98 with Ground & Graduated Vials

FEATURES:

- Adjustable to a positive setting.
- Ground and graduated main vials.
- Base of the levels feature an involute groove running the length of base, providing a reliable seat for round work.
- With the cross test level, it's possible to simultaneously level in both directions.



Size		Description	Starrett No.	Part No. 1-855-	Reg. Net Price	SALE
Inch	mm					
8"	200	With Cross Test Vial	98-8	-50442	\$360.87	\$317.56
12	300	With Ground Single Plumb Vial and Cross Test Vial	98-12	-50443	501.99	441.74

nova™

World's First Smart Bandsaw & Drill Press

7" x 12" Nova Eclipse DVR Metal Cutting Bandsaw

1 HP, 120V, 1 PH Motor



FEATURES:

- Smart metal bandsaw combines common bandsaw features with state of the art technology.
- Powerful direct drive 1 HP high torque brushless motor without pulleys or belts to cause vibration.
- Digital Variable Reluctance (DVR) Direct Drive Technology with Adaptive Control™ Software.
- Includes a 240V conversion components kit which increases the HP of the motor.
- TRU-LOCK quick locking clamping vise system.

COMPLETE WITH:

- Blade.
- USB cable.
- Workstop.
- Adjustment Wrenches.
- Firmware.
- Vertical Saw Table.

SPECIFICATIONS:

Cutting Capacity:
 90° Rectangular/Round 7" x 12"/7"
 45° Rectangular/Round 4-1/2" x 5"/5"
 Speeds 80-340 FPM
 Blade 93" x 3/4" x 0.032"
 Motor 15 AMP, 120V, 1PH, 60 Hz



Model 59001

Part No. **\$3,499⁰⁰**
 6-125-080

AS LOW AS \$83.40/mo.

Click here for complete Nova listing & details.

nova™



16" Nova Viking DVR Drill Press

1 HP, 120V, 1 PH Motor

FEATURES:

- Digital Variable Reluctance (DVR) Direct Drive Technology with Adaptive Control™ Software which works for you to produce optimum results in wood, metal, plastic and glass.
- Automatic electronic depth stop, quickly and accurately stops to the precise programmed depth.
- Electronic braking and forward/reverse.
- Intelligent speed selection and dial knob for precise speed adjustments.
- Convenient LED light and twin laser guide system.

COMPLETE WITH:

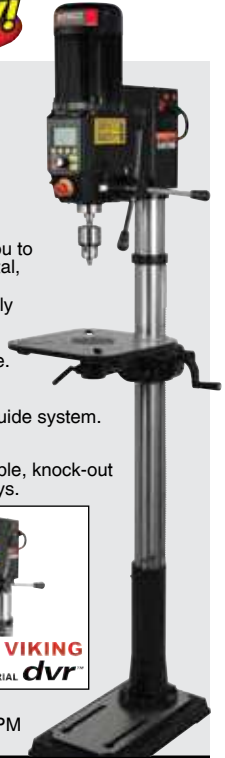
5/8" Drill chuck & key, firmware USB cable, knock-out wedge, adjustment wrench, and hex keys.

Model 83705

Part No. **\$1,699⁰⁰**
 6-125-075

SPECIFICATIONS:

Chuck Size 5/8"
 Drilling Capacity 5/8"
 Swing 16"
 Spindle Taper 2 MT
 Speeds (Var.) 150-3,000 RPM



8" Bench Drill Press

115V, 1 PH



Model KC-108C

Part No. **\$159³⁹**
 6-125-019

SPECIFICATIONS:

Drill Chuck & Arbor 1/2"
 Max. Distance Chuck to Base 10"
 Max. Distance Chuck to Table 7"
 Speeds (5) 620-3,100 RPM
 Spindle Taper / Travel JT #33 / 2"



13" Drill Press

1/2 HP with Dual Laser Guide System



Model KC-116N
 Part No. **\$429⁹⁹**
 6-125-020

FEATURES:

- Locking depth stop for repetitive blind hold drilling.
- 5/8" drill chuck and key included.
- 45° tilting table for angular drilling.
- Light socket incorporated into drill press head.

SPECIFICATIONS:

Stroke 3-1/8"
 Table Size 12-13/16"
 Spindle Taper 2 MT
 Speeds (16) 220-3,600 RPM



22" Drill Press

With Safety Guard

1 HP, 115V, 1 PH Motor

FEATURES:

- Powerful 1 HP motor.
- 45° tilting table for angular drilling.
- Chuck safety guard with microswitch prevents spindle from running unless guard is in place.
- Line interruption electromechanical switch and safety guard with limit switch protection.

SPECIFICATIONS:

Drilling Capacity Steel 1-1/4"
 Chuck Size 3/4"
 Swing 22"
 Table Size 18-3/4" x 16-1/4"
 T-Slot Size 5/8"
 Spindle Taper 4MT
 Speeds (12) 180-4,200 RPM



COMPLETE WITH:
 Drill chuck and arbor, work light socket (less bulb), chuck safety guard with limit switch, manual and parts list.

Model KC-122FC-LS
 Part No. **\$1,299⁰⁰**
 6-125-029



PALMGREN 17" Heavy-Duty Step Pulley Drill Press

1 HP, 120/240V, 1 PH Motor

FEATURES:

- Front mounted industrial paddle-type power switch.
- LED readout of spindle speed and quill travel.
- Precision ground t-slotted work table with coolant trough.
- Extended quill/spindle travel ideal for deep hole applications.
- Table tilts 45° right and left and rotates 360° around the column.
- Quick change vertical depth stop for accurate, repeatable feed length.
- Includes chuck with key and arbor.

Model 80177

Part No. **\$2,388⁵⁵**
 1-549-80177



SPECIFICATIONS:

Spindle Taper / Travel 2 MT / 5"
 Table Size 14-3/8" x 14-3/8"
 Number of Speeds 16
 Speed Range 138-3,476 RPM

Radial Drill Press

2 HP, 230/575V, 3 PH Motor



Box Table, Coolant System & Work Light Included!

\$20,500⁰⁰

Model RD-750
 (230V, 3 HP)
 Part No. **6-269-010**

AS LOW AS \$441.54/mo.

Model RD-750
 (575V, 3 HP)
 Part No. **6-269-010C**

FEATURES:

- Geared spindle drive with six speeds selected by change levers.
- Three spindle feed rates selected by a single knob.
- Motorize power arm elevation.

SPECIFICATIONS:

Column Diameter 8-1/4"
 Distance Spindle/Column 30-1/2"
 Drilling Capacity 1-1/2"
 Overall Height 85-5/8"
 Quill Travel 7-7/8"
 Spindle Taper 4 MT



9" x 49" Turret Milling Machines

Model TUM-1VS (230V, 3 PH)
Part No. 6-265-007

\$12,895⁰⁰

With NEWALL NMS-300
DRO & Table Feed Installed

Part No. 6-265-007-N3 **\$16,050⁰⁰**

Model TUM-1VS (575V, 3 PH)
Part No. 6-265-007C

\$12,895⁰⁰

With NEWALL NMS-300
DRO & Table Feed Installed

Part No. 6-265-007C-N3 **\$16,050⁰⁰**

SPECIFICATIONS:

Longitudinal Travel Manual Model35"
Longitudinal Travel w/ Power Feed31"
Cross Travel / Knee Travel 12" / 16"
Table To Spindle (min-max.) 0-18-3/4"
Spindle To Column at 90° ...6-3/4"-18-3/4"
Speeds (Var.)70-4,200 RPM
Spindle Taper R8
Power Quill Feeds
(per rev.) 0.0017"/.0032"/.0053"
Quill Travel5"
Spindle Motor ..3 HP, 230V or 575V, 3 PH



MODEL TUM-1VS
Shown with Newall
NMS-300 and KBC
Table Feed.

AS LOW AS
\$283.68/mo.

3 HP
Variable
Speed
Head!



6" x 26" Vertical Milling Machine 1 HP, 115V, 1 PH Motor

FEATURES:

- Dovetail ways with adjustable tapered gibs under the table and saddle 7 on the column face.
- Turret head tilts to either side 90° and swivels 120° right or left.
- Spindle feeds with a manually operated rapid feed lever or a fine feed handwheel.

Model VM-12-R8

Part No. 6-380-001 **\$6,095⁰⁰**

AS LOW AS \$137.68/mo.

SPECIFICATIONS:

Spindle TaperR8
Quill Travel2-3/4"
Spindle Speeds (9).....230-2,520 RPM
Long. / Cross Travel.....14-1/2" / 6"
Table Size6" x 26"

COMPLETE WITH: FREE Cabinet floor stand, work light, front and rear rubber way covers, and drawbar for R8 collets.



7" x 31" Universal Vertical Milling Machine 1-1/2 HP, 115V, 1 PH Motor

FEATURES:

- Spindle feeds with a manually operated rapid feed lever or a fine feed handwheel.
- Dovetail ways with adjustable tapered gibs under the table and saddle and on the column face.
- Turret head tilts to either side 90° and swivels 120° right or left.

Model VM-22-R8

Part No. 6-380-002 **\$7,750⁰⁰**

AS LOW AS \$175.06/mo.

SPECIFICATIONS:

Max. Distance, Spindle to Table20"
Spindle Taper R8
Spindle Speeds (9).....270-3,200 RPM
Quill Travel 3-1/8"
Cross Slide Travel......8"
Longitudinal Travel.....17-5/16"
Vertical Knee Travel 21-1/2"
Table Size7" x 31-1/2"

COMPLETE WITH: Front and rear rubber way covers, drawbar for R8 collets, and more!



NEWALL NMS-300 2-Axis Digital Readout



10" x 54" Heavy-Duty Milling Machines

Model TUM-3VS (230V, 3 PH)

Part No. 6-265-006 **\$13,995.00**

With NEWALL NMS-300
DRO & Table Feed Installed

Part No. 6-265-006-N3 **\$17,150⁰⁰**

Model TUM-3VS (575V, 3 PH)

Part No. 6-265-006C **\$13,995⁰⁰**

With NEWALL NMS-300
DRO & Table Feed Installed

Part No. 6-265-006C-N3 **\$17,150⁰⁰**

Model TUM-40VS (230V, 3 PH)

Part No. 6-265-009 **\$16,500⁰⁰**

With NEWALL NMS-300
DRO & Table Feed Installed

Part No. 6-265-009-N3 **\$19,655⁰⁰**

Model TUM-40VS (575V, 3 PH)

Part No. 6-265-009C **\$16,500⁰⁰**

With NEWALL NMS-300
DRO & Table Feed Installed

Part No. 6-265-009C-N3 **\$19,655⁰⁰**

SPECIFICATIONS:

	TUM-3VS	TUM-40VS
Table Size	10" x 54"	10" x 54"
Longitudinal Travel Manual	32"	32"
with Power Feed	28"	28"
Cross Travel	16"	16"
Knee Travel	16"	16"
Spindle Speeds	70-4,200 RPM	70-4,200 RPM
Spindle Taper	R8	NST40
Quill Travel	5"	5"
Spindle Motor	3 HP, 3 PH	5 HP, 3 PH
Voltage	230/460V or 575V	230/460V or 575V



MODEL TUM-3VS
Shown with Newall
NMS-300 and KBC
Table Feed.

AS LOW AS
\$307.88/mo.



MODEL TUM-40VS
5 HP Motor, #40 NST
Spindle Taper,
Hardened & Ground
Square Ways on
Knee and Column.



Bench Model Milling/Drilling Machine 1-1/2 HP, 220V, 1 PH Motor

FEATURES:

- Manual quill feed both rapid spoke wheel and fine feed hand-wheel control with an easy-to-read front mounted depth gauge.
- Handwheel dials graduated in 0.001" increments.
- Dovetail ways on table and saddle with adjustable tapered gibs.

2 FULL YEAR WARRANTY

Model PDM30

Part No. 6-125-030 **\$2,999⁰⁰**

AS LOW AS \$71.48/mo.

SPECIFICATIONS:

Drilling / End Mill Capacity1-1/4" / 3/4"
Swing.....15-7/8"
Max. Distance, Spindle to Table18-7/8"
Spindle Taper / Travel.....R8 / 5"
Spindle Speeds (12).....150-2,500 RPM
Table / Cross Slide Travel.....17" / 7-1/4"
Effective Table Area.....28-3/4" x 8-1/4"
Overall Height.....43"

COMPLETE WITH: 3" Face mill, safety guard, 3-1/2" angle vise, drawbar for R8 collets, rear rubber way cover, & 1/2" capacity drill chuck.



2 HP Metal Dust Collector

Ideal for metal chips and dust from sanders, grinders, cold saws, and chamfering.

Model KC-7300C

Part No. 6-125-015

\$1,699⁰⁰

FEATURES:

- Powerful 2 HP, 220V motor.
- Noise Level Reading at 60": 81 dB
- Large metal chips collection drawer.
- 2 step activation safety switch with line voltage interruption in case of power failure.
- 6" inlet with Y-inlet adapter with (2) 3" inlets connecting up to 2 metalworking machines.
- Comes with large paper filter and iron activated carbon filter.

2 FULL YEAR WARRANTY





7" x 12" Variable Speed Mini Lathe

110V, 1 PH Motor

FEATURES:

- Bed ways are hardened and precision ground.
- Clear plastic safety guard automatically shuts lathe off when lifted.
- Power feed of apron along the bed towards the chuck.

SPECIFICATIONS:

Distance Between Centers.....12"
 Spindle Bore.....3/4"
 Spindle Speeds (var.).....0-2,500 RPM
 Spindle Taper.....3 MT
 Swing Over Bed/Cross Slide.....7 1/4-1/2"
 Tailstock Spindle Taper.....2 MT
 Thread Range.....12-52 TPI

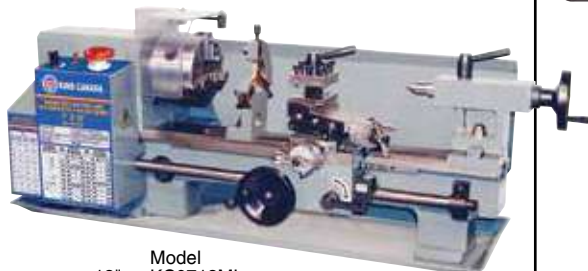
Model KC0712ML

Part No. 6-125-060

\$1,099⁰⁰



COMPLETE WITH: 3-Way jaw chuck, 4-way tool post, thread dial indicator rear chip guard, e-stop button, and centers.



16" x 40" High Precision Toolroom Metal Lathe

4 HP, 575V, 3 PH Motor

FEATURES:

- Powerful 4 HP drive motor.
- Gearhead spindle drive with hardened and ground gears.
- Bedways hardened and precision ground.
- 4-way power feed.
- Inch/metric graduated dials.
- Lathe chuck safety guard automatically shuts lathe off when lifted.
- Speeds (16) 45-1,800 RPM.

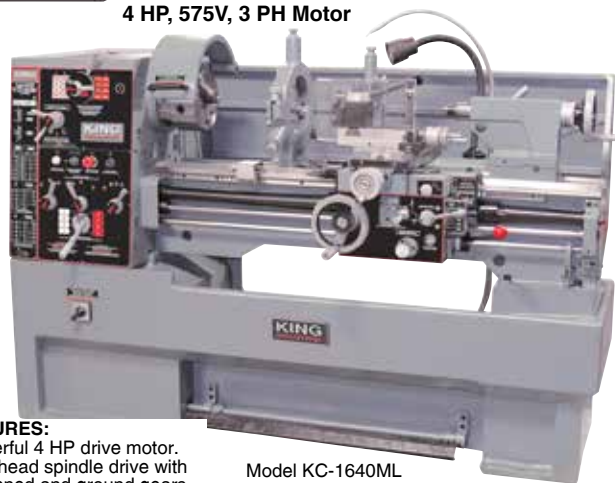
Model KC-1640ML
 Part No. 6-125-064C

\$16,999⁰⁰



AS LOW AS \$370.24/mo.

COMPLETE WITH: 12" 4-Jaw chuck, 8" 3-jaw chuck, work light, e-stop button, full-length rear chip guard, coolant system, & thread dial indicator.



12" x 36" Gearhead Metal Lathe

1-1/2 HP, 220V, 1 PH Motor

FEATURES:

- Line interruption switch system needs a restart after a power failure.
- Guideway and gears in headstock are all hardened and precision ground.
- Safety guard with limit switch protection.

Model KC1236ML
 Part No. 6-125-063

\$7,969⁹¹

AS LOW AS \$180.03/mo.

COMPLETE WITH: 6" 3-Jaw chuck, 8" 4-jaw chuck, 1/2" drill chuck, 3MT dead center and arbor taper, 10" DI-4 camlock face plate, steady and follow rest, imperial and metric gears, quick-change tool post, full length splash guard, chuck and hex keys, and thread chasing dial indicator.



14" x 40" Gearhead Metal Lathe

2 HP, 240V, 1 PH Motor

Model KC1440ML-2
 Part No. 6-125-062A

\$9,499⁰⁰

AS LOW AS \$214.57/mo.

FEATURES:

- Line interruption switch system needs a restart after a power failure.
- Guideway and gears in headstock are all hardened and precision ground.
- Safety guard with limit switch protection.
- Spindle foot brake in the cabinet stand for easy operation and reliable safety.
- Speeds (8): 70-2,000 RPM.



17" x 40" Heavy-Duty Precision Lathe

7-1/2 HP, 230/460V, 3 PH Motor

Model ML-1740T
 Part No. 6-273-064

\$33,000⁰⁰

With NEWALL NMS-300 Digital Readout Installed
 Part No. 6-273-064-N3

\$35,270⁰⁰

AS LOW AS \$690.75/mo.

FEATURES:

- Centralized lube system in headstock.
- D1-6 camlock, 3-1/8" spindle bore.
- Speeds (12) 36-1,800 RPM.
- Hardened and ground gears and bedways.

COMPLETE WITH: 10" 3-jaw chuck, steady and follow rest, 4-way tool post, halogen work light, and coolant system with full length rear splash guard.



18" x 60" High Precision Engine Lathe

7.3 HP, 230/460V, 3 PH

FEATURES:

- 7.3 HP main spindle motor, 12 speeds.
- D1-8 camlock, 3.2" spindle bore.
- Solid one-piece cast iron base.
- Hardened & ground gears & bedways.
- Centralized lube system in headstock.
- Inch dials and leadscrews.
- Full-length safety foot brake.

COMPLETE WITH: Follow rest, 2-way rapid traverse on apron, coolant system with full length rear splash guard, 4-position carriage stop, and 4-way indexable toolpost.

Model KLS-1860G
 Part No. 6-273-071

\$27,250⁰⁰

With NEWALL NMS-300 Digital Readout Installed
 Part No. 6-273-071-N3

\$29,700⁰⁰

AS LOW AS \$570.39/mo.



NEWALL NMS-300 2-Axis Digital Readout





10" x 20" 3-Axis Auto Feed Surface Grinder

2 HP, 230/460V, 3 PH Motor

- FEATURES:**
- Precision hand scrapped turcite table and saddle ways.
 - Rapid elevation motor for quick and easy positioning.
 - 3-axis automatic movement with incremental downfeed in .0001" steps.
 - High column design with 19" spindle center to table.
 - 10" x 20" grinding capacity.
 - Auto. lubrication system.



Model
SGS-1020AHD
Part No. 6-273-015
\$39,000⁰⁰

AS LOW AS
\$816.34/mo.

COMPLETE WITH: 8" x 20" Magnetic chuck, dust-suction, coolant system, and overhead parallel dresser.



10" x 20" 3-Axis Automatic Surface Grinder

3 HP, 230/460V, 3 PH Motor

COMPLETE WITH: 8" x 20" Permanent magnetic chuck, and flood coolant system with splash guards.

AS LOW AS
\$659.35/mo.

- FEATURES:**
- 3-axis automatic with incremental downfeed and electronic auto crossfeed.
 - Precision cartridge type direct drive spindle (3,500 RPM).
 - Heavy cast iron base absorbs vibration.
 - Automatic lubrication.
 - Wheel Size: 8" x 1" x 1-1/4".



Model KGS-1020AHD
Part No. 6-273-012
\$31,500⁰⁰



12" x 30" 3-Axis Auto Feed Surface Grinder

5 HP, 230/460V, 3 PH Motor



AS LOW AS
\$989.03/mo.

Model SGS-1230AHD
14" x 1-1/4" x 5" Wheel
Part No. 6-273-020
\$47,250⁰⁰

COMPLETE WITH: Electric chuck, dust-suction coolant, over head parallel dresser, auto lubrication system, wheel balancing base, and arbor.



Large Bore Engine Lathes

10 HP, 230/460V, 3 PH Motor

- FEATURES:**
- 10 HP main spindle motor, 12 speeds.
 - Centralized lube system in headstock.
 - Hardened and ground gears and bedways.
 - D1-8 camlock, 4.12" spindle bore.
 - Jog button, 4-way rapid traverse.
 - Inch dials and leadscrews.
 - Clutch style headstock.
 - Safety foot brake.

- COMPLETE WITH:**
- 12" 3-Jaw Chuck.
 - 16" 4-Jaw Chuck.
 - Work Light.
 - 8" Steady Rest.
 - 1-3" Follow Rest.
 - 4-Way Toolpost.
 - Thread Chasing Dial.
 - Full-Length. Splash guard.
 - Coolant System.

AS LOW AS
\$706.45/mo.

Model KLS-2260C (22" x 60")
Part No. 6-273-067
\$33,750⁰⁰

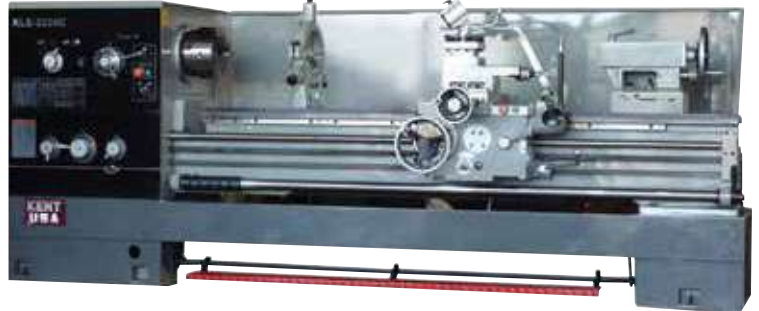
With NEWALL NMS-300 Digital Readout Installed
Part No. 6-273-067-N3 **\$36,200⁰⁰**

Model KLS-2280C (22" x 80")
Part No. 6-273-068
\$35,000⁰⁰

With NEWALL NMS-300 Digital Readout Installed
Part No. 6-273-068-N3 **\$37,825⁰⁰**

Big 4" Spindle Bore,
Clutch Spindle Drive and
4-Way Rapid Traverse.

- SPECIFICATIONS:**
- Swing Over Bed 22" / 26"
 - Swing Over Cross Slide 12.5 / 16.5"
 - Distance Between Centers 60" / 80" / 120"
 - Spindle Speed (Range 12) 36-1,600 RPM
 - Spindle Nose / Bore D1-8 / 4.12"
 - Threads Standard (32) 2-28 TPI
 - Threads Metric Pitch (22) 1-14mm
 - Tailstock Quill Travel/Taper 6" / 5MT



Model KLS-26120C (26" x 120")
Part No. 6-273-069
\$41,600⁰⁰

With NEWALL DP-700 Digital Readout Installed
Part No. 6-273-069-N **\$49,750⁰⁰**



NEWALL
NMS-300 2-Axis
Digital Readout



NEWALL
DP-700 2-Axis
Digital Readout

PALMGREN Belt Grinder

- FEATURES:**
- Belt is adjustable for use in either the vertical or horizontal position or any position in-between.
 - Front mounted on/off paddle switch.
 - Simple belt tensioning and adjustment.
 - Full belt guard and dust collection port.

SPECIFICATIONS:

- Belt Size 1" x 42"
- Belt Speed 1,800 SFPM
- Motor 1/2 HP, 120/240V

Model 82401
Part No. 1-549-82401
\$567⁰⁰



KALAMAZOO 2" Belt Sander

1/2 HP, 115V, 1 PH Motor

- FEATURES:**
- 2" x 48" Belt.
 - Multi-position sanding head.
 - Hinged guard for quick belt change.
 - Removable & adjustable 0-45° steel work table.
 - Shipping Weight (approx.): 50 lbs.

Part No. 2-002-2FSM
\$983⁶⁰



3" x 79" Metal Belt Sander



Model KC-379MS
Part No. 6-125-007
\$999⁰⁰

- FEATURES:**
- Motor: 2 HP, 220V.
 - Horizontal working height of 36".
 - Hinged top cover for access to entire length of belt for larger pieces.
 - Comes with 80 grit pure zirconium sanding belt.
 - Sanding belt rotates on 7-1/2" vented drive wheel and solid rubber rear wheel for maximum tracking and sanding control.

Click here for complete details.



Disc & Belt Sander

1 HP, 115V, 1 PH Motor

- FEATURES:**
- Can be switched from horizontal to vertical.
 - Table can be switched from disc side to belt side and tilts 45° right and left.
 - Heavy-duty cast iron construction.

Model KC-760L
Part No. 6-125-003
\$499⁹⁹

COMPLETE WITH: Miter gauge, 2-1/2" to 4" dust chute adapter, and sturdy enclosed cabinet stand.

SPECIFICATIONS:

- Belt Size / Speed 6" x 48" / 1,250 SFPM
- Disc Size / Speed 9" / 1,740 RPM
- Dimensions 30" x 19" x 56"

2 FULL YEAR WARRANTY





12" Slow Speed Cold Cut Saw

4-1/2 HP, 220V, 1 PH Motor

2 FULL YEAR WARRANTY

FEATURES:

- Low 52 RPM blade speed is ideal for cutting ferrous metals.
- Mitring head pivots to the right or left positive stops at 45° & 90°.
- Quick action clamping vice secures workpiece.
- Control handle with integrated safety trigger.

SPECIFICATIONS:

Cutting Capacity
 Solid Round 2-3/8" / 2"
 Hollow Round 4" / 3-1/2"
 Square 3-1/4" / 3-1/4" / 3" x 3"
 Spindle Speed 52 RPM
 Max. Vise Opening 4-3/4"

COMPLETE WITH: Side roller, anti-splash guards, coolant system, and workshop assembly.

Model KC-315CS
Part No. 6-125-036

\$3,299⁰⁰

AS LOW AS \$78.63/mo.

12" Blade Not Included.

Optional 12" Cold Cut Saw Blade

Model KM-1200
Part No. 6-125-KM1200 \$359⁰⁰

[Click here for complete details.](#)



Jaws 55 Ton Punch Pressure Ironworker

5 HP, 575V, 3 PH Motor

Hydraulic powered punching capacity with open tooling station, built-in stations for shearing plate and angle iron.

Call us for punches & dies and all the other available accessories for these versatile machines.

Model 55T
Part No. 6-700-215C

CALL FOR PRICING!

TOO LOW TO ADVERTISE!

While Supplies Last.



SPECIFICATIONS:

Max. Capacity 1-3/8" Dia. -1/2" Plate
 Largest Standard Punch/Die 1-1/16"/1-1/4"
 Bar Shear Rounds/Squares 1-1/8"
 Max. Flat Thickness 3/4" x 4"
 Max. Flat Width 1/2" x 12-3/8" x 14"
 Max. Angle Shear Size 3" x 3" x 3/8"



General Purpose Gravity Feed Vertical Bandsaws

3/4 HP, 115V, 1 PH



NEW!

FEATURES:

- Foot pedal for hands free carriage movement of 4" (100mm).
- Roller guides are hardened and grooved allowing use of 1/4", 3/8", 1/2", and 3/4" (6.4, 9.5, 12.7, 19mm) blades without any adjustment.
- Variable speed drive model installed with end of cut shut-off.
- C-clamp for clamping of material.
- Ground solid steel table and cast iron wheels.
- Adjustable material length stop for repetitive cutting.
- Electric system uses only C.S.A./UL approved components and is electrically approved.
- Instruction and parts manual included.

SPECIFICATIONS:

Cutting Capacity (height x width) 13" x 9"
 Blade Size 120" x 1/4" x 3/4"
 Maximum Blade Travel 9"
 Table Size 18" x 30"
 Blade Speeds
 115C (4) 75, 130, 215, 350 SFPM
 115C-VS (Variable Speed) 70 to 350 SFPM
 Motor 3/4 HP, 115V, 1 PH



Model 115C

Part No. 6-600-115C

\$5,969⁰⁰ AS LOW AS \$133.48/mo.

Model 115C-VS

Part No. 6-600-115C-VS

\$7,642⁰⁰

Includes FREE

Stop Set \$299 Value!
 While Supplies Last.



14-1/2" Capacity Gravity Feed Vertical Saw

1 HP, 115V, 1 PH Motor

FEATURES:

- Speeds (4): 70-525 SFPM
- Rugged simple construction for easy maintenance and long service life.
- Accurate gravity feed with hydraulic speed control and depth stop.
- Accepts blades from 1/4"-3/4" wide.

Model EF-1459
Part No. 6-398-005

\$12,472⁰⁰

AS LOW AS \$274.37/mo.



Variable Speed Vertical Bandsaws

with Blade Welder & Power Table Feed

FEATURES:

- Use heavy cast iron blade wheels with rubber tire liners for traction and quiet operation.
- Built on cast iron frames with heavy duty construction throughout.
- Infinitely variable blade speeds so you can select the most efficient cutting speed for a wide variety of materials.
- Cast iron table with variable electric power table feed (12-1/2" travel).



AS LOW AS \$291.82mo.

Model BAV-500PF
 (230V, 3 PH)

Part No. 6-396-025
\$13,265⁰⁰

Model BAV-500PF
 (575V, 3 PH)

Part No. 6-396-025C
\$13,265⁰⁰

Model BAV-700PF
 (230V, 3 PH)

Part No. 6-396-035
\$14,150⁰⁰

Model BAV-700PF
 (575V, 3 PH)

Part No. 6-396-035C
\$14,150⁰⁰

SPECIFICATIONS

Table Size	Model BAV-500PF 26-3/4" x 29-1/8"	Model BAV-700PF 26-3/4" x 29-1/8"
Table Tilt (R & L)	..... 5°	..... 5°
Cutting Capacity (width x thick.)	..... 20" x 12-7/8"	..... 28" x 12-5/8"
Cutting Speeds (var.)	..... 82-1,496 FPM	..... 65-1,292 FPM
Blade (width x length)	..... 1/8-1" x 159-1/2"	..... 1/8-1" x 161"
Motor	..... 2 HP, 230/460V or 575V, 3 PH	..... 2 HP, 230/460V or 575V, 3 PH



COMPLETE WITH: Work light, chip blower, bandsaw blade, grinding wheel, built-in blade welder, variable blade speeds, rubber tires for blade wheels, and variable electric power table feed.



18" Vertical Bandsaw

1 HP, 220V, 1 PH Motor

Model KC-450
Part No. 6-125-047

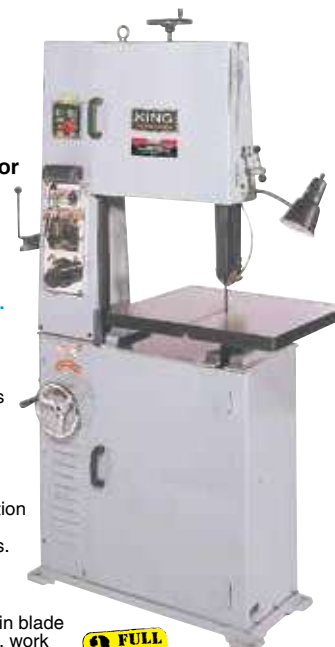
\$5,499⁰⁰

AS LOW AS \$124.22/mo.

FEATURES:

- Variable Blade Speed: 82-384 FPM
- Infinitely variable speeds allows selection of the most efficient speed (FPM) for each piece.
- 18" W x 10" H capacity.
- Cast iron blade wheels with rubber tires for traction are mounted on shafts with taper roller bearings.
- Large cast iron work tables tilt R & L / F & B.

COMPLETE WITH: Built-in blade welder with grinder wheel, work light and blade shear that welds blades up to the saw capacity.



2 FULL YEAR WARRANTY

TENNSMITH 52" 16-Gauge Foot Squaring Shear

Model 52
Part No. 6-700-010
\$5,959⁷⁵

F.O.B. FACTORY
— TENNESSEE

Hi-Carbon,
Hi-Chrome
Steel Blades
Included!

AS LOW AS
\$134.62/mo.

**3 FULL
YEAR
WARRANTY**



FEATURES:

- Upper and lower shear blades with unique adjustment features.
- Shear frame, bed and cutter head constructed of heavy-duty cast iron.
- Double-locking back gauge with embossed scales and vernier wheels for fine adjustment standard.

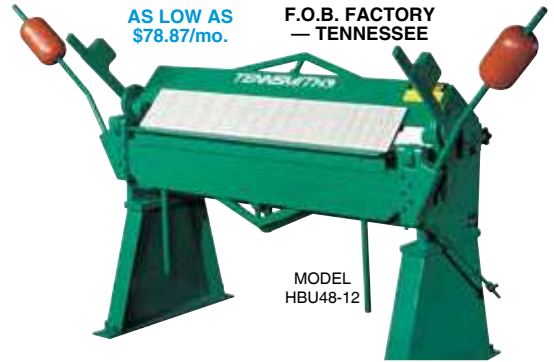
SPECIFICATIONS:

Back / Front Gauge Range 30" / 37"
Max. Cutting Length 52-1/4"
Dimensions (less gauge) 61" x 36" x 42"
Floor Space, Gauges in Position 60" x 80"

TENNSMITH Universal Box & Pan Brake
With Stand

AS LOW AS
\$78.87/mo.

F.O.B. FACTORY
— TENNESSEE



MODEL
HBU48-16

MODEL
HBU48-12

SPECIFICATIONS:

	HBU48-22	HBU48-16	HBU48-12
Capacity (mild steel).....	22 GA.	16 GA.	12 GA.
Bending Length.....	48-1/4"	48-1/4"	48-1/4"
Maximum Depth of Body.....	3"	4"	4"
Maximum Lift of Beam.....	7/8"	1-1/4"	1-1/2"
Front to Rear Beam Adjustment.....	1/8"	5/8"	1"
Minimum Reverse Bend.....	5/16"	1/4"	1/4"
Min. Flange in Cap. Material.....	3/8"	1"	1"
Finger Widths.....	2, 3 & 4"	2, 3 & 4"	2, 3 & 4"

Model HBU48-12

Part No. **\$8,199⁵⁰**
6-700-045

Model HBU48-16

Part No. **\$3,309²⁵**
6-700-040

Model HBU48-22

Part No. **\$2,177⁷⁵**
6-700-035

PALMGREN

7" x 12" Horizontal Bandsaw

1 HP, 120/240V, 1 PH Motor

FEATURES:

- Automatic shut off at end of cut.
- Chip brush and rapid acting vise.
- Adjustable material work stop.
- Adjustable ball bearing blade guides delivers straight accurate cuts.
- Flood coolant system cools and cleans chips from the blade.

SPECIFICATIONS:

Capacity at 45°
Rectangle 7" x 11-3/4"
Round 7"
Square 7"
Speeds (4)..... 96/132/178/260 FPM
Blade Size 3/4" x 0.035" x 93"



Model 83311
Part No. 1-549-83311
\$3,550⁴⁰
AS LOW AS \$84.62/mo.

Automatic Cycle Bandsaws

FEATURES:

- Full auto cycle.
- 3 HP drive motor.
- 1" bi-metal blade.
- Cast iron construction.
- Net Weight: 1,800 or 2,200 lbs.
- Shipping Weight: 2,000 or 2,500 lbs.

AS LOW AS
\$458.77/mo.



Model BS-12A
12" Round Capacity
(230/460V, 3 PH)

Part No. **\$21,300⁰⁰**
6-275-007

Model BS-12A
12" Round Capacity
(575V, 3 PH)

Part No. **\$21,300⁰⁰**
6-275-007C



MODEL
BS-15A

Model BS-15A
15" Round Capacity
(230/460V, 3 PH)

Part No. **\$25,400⁰⁰**
6-275-009

Model BS-15A
15" Round Capacity
(575V, 3 PH)

Part No. **\$25,400⁰⁰**
6-275-009C

KING INDUSTRIAL 7" x 12" Dual Swivel Horizontal Bandsaw

1 HP, 220V, 1 PH Motor

**2 FULL
YEAR
WARRANTY**

Saw Blade & Coolant System Included!

FEATURES:

- Saw bow swivels 45° right and left.
- Portable - Take to the job and plug it in.
- Hydraulic feed control.

Model KC-712DS
Part No. 6-125-043

\$3,599⁰⁰

AS LOW AS \$85.78/mo.

SPECIFICATIONS:

Blade Size 3/4" x 93"
Capacity Rectangular..... 7" x 12"
Capacity Round 7"
Motor 1 HP, 220V, 1 PH
Blade Speeds (4)..... 85-235 RPM



KING INDUSTRIAL

10" x 18" Horizontal Bandsaw

FEATURES:

- Powerful 2 HP drive motor.
- Infinitely adjustable hydraulic feed control.
- Built-in coolant system.
- Precision dial gage display for proper blade tensioning.

Model KC227-2
(230V, 1 PH)

Part No. **\$5,999⁰⁰**
6-125-044

Model KC227-2
(575V, 3 PH)

Part No. **\$5,999⁰⁰**
6-125-044C
AS LOW AS \$135.51/mo.



SPECIFICATIONS:

Round Capacity at 45° / 90° 10"
Rectangular Capacity at 90° 10" x 18"
Rectangular Capacity at 45° 7" x 9-3/8"
Blade Size 1" x 122"
Blade Speed (4) 114-377 SFPM

**2 FULL
YEAR
WARRANTY**



Draw Bar Variable Speed

The Aussie ADB-123 power collet release max. is only 3 seconds!

FEATURES:

- Specially designed and patented universal mounting flange that adapts to all Taiwanese, Republic Laguna, Kondia, and Bridgeport Mills, CNC machines, and step pulley deads!
- Unique adjustable draw bar feature enables the operator to preset length of draw bar. No special one required!
- Requires only 80 PSI of compressed air to operate.

INCLUDES:

- Regulator and gauge.
- Air filter.
- Oil lubrication.
- "L" bracket with control gauge system mounted.
- Complete ADB-123 Power Draw Bar assembly.
- Mounting screws.
- Special allen wrench.
- Fitting.
- Oil.
- Operation and parts manual.
- PLUS step pulley adapter plate.



Model ADB-123
Part No. 1-541-ADB123 **\$969⁵³**
Reg. Net Price \$1,077.25
2 YEAR WARRANTY MADE IN AUSTRALIA

GENERAL

Non-Contact Laser Tachometer

NEW!

save 20%

Ideal for high-speed motors, engines, gearboxes, fans, compressors.



- ### FEATURES:
- Auto ranging.
 - Laser precision.
 - Wide measuring range.
 - Range: 2.5-99,999 RPM
 - Jumbo 5 digit LCD display.
 - Memory: Min./Max./Last

- ### INCLUDES:
- User's Manual
 - (3) AAA Batteries
 - 1 Year Limited Warranty
 - Adhesive Reflective Tape

Supplied with a hard case.

Model LT2234C
Part No. 8-304-090
Reg. Net Price \$174.65
\$139⁷²



PALMGREN Arbor Presses



Delivers the heavy force needed for riveting, squeezing, punching, bending, and other pressing applications.

Sturdy, cast-iron construction. Removable, machined steel, 4-position anvil. Rugged steel ram is driven by a machined pinion. Base drilled for mounting on a bench or pedestal.

Force (Tons)	Swing	Max. Work Height	Ram Dimns. (SQ.)	Height	Weight (lbs.)	Part No. 1-549-	Reg. Net Price	SALE!
1.0	8"	6"	1"	11"	34	-AP10	\$322.40	\$274.04
2.0	10-3/8"	7-7/8"	1-1/4"	15-1/8"	70	-AP20	618.45	\$525.68
3.0	11-3/4"	12-1/2"	1-1/2"	21"	135	-AP30	959.45	\$815.53

AP10: Equipped with handwheel to perform light and quick press work.

Legacy FLEXZILLA

Zillanator™ Pro Gloves

NEW!

save 25%

High Dexterity

Flexzilla® Gloves ensure extreme flexibility, rugged durability and unrivaled comfort.

FEATURES:

- Adjustable Thermoplastic Rubber (TPR) wrist closure and pull tab.
- Touchscreen technology: Thumb, index and middle fingers.
- Reinforced fingertips, thumb saddle and padded knuckle.
- Ideal for: Multipurpose, Mechanic, Contractor.
- Machine washable.
- Padded synthetic leather palm.



Model GH361P - LARGE
Part No. 1-700-135 **\$22⁹³**
Reg. Net Price \$30.57

Oil-Only White Pads

AMI-100 17" x 19" Double Weight

FEATURES:

- Does not absorb water.
- The economical choice to soak up hydraulic oil, diesel fuel or any petroleum-based fluid.
- Sonic bonds provide added strength unlike the competitions unbonded product.

Pack of 100

Part No. 1-835-714 **\$108⁷¹**
Reg. Net Price \$127.89



JAPACHE Anti-Fatigue Matting

DIAMOND FOOT™ Black

Durable vinyl surface bonded to a resilient, Ergo Flex™ closed-cell foam, provides anti-fatigue & wear characteristics.

FEATURES:

- Beveled edges for safety.
- 9/16" thick ultra-comfort foam.
- Industry favorite diamond plate surface for enhanced traction.
- Diamond plate surface made from 100% recycled materials.
- Surface resists common fluids, most chemicals, and is non-flammable.



24" x 36" (9 lbs.)

Part No. 1-913-442S2436
Reg. Net Price \$89.61

\$76¹⁷

Limited 3 year warranty against wear & delamination.

36" x 60" (22 lbs.)

Part No. 1-913-442S3660
Reg. Net Price \$224.04

\$190⁴³

TITAN 1500 Lumen LED Work Light

save 20%

NEW!

- ### FEATURES:
- Cool to the touch.
 - Long lasting, super bright LED.
 - Sealed on/off switch.
 - Adjustable scissor stand.
 - Tripod mountable.
 - 5' Cord length.

Part No. 1-909-36013
Reg. Net Price \$68.60
\$54⁸⁸



SHOP IRON Anti-Scratch Anti-Fog Welding Goggles

NEW!

- ### FEATURES:
- Designed for gas welding & plasma cutting.
 - Equipped with IR5 lenses that are designed to prevent scratching and fog build up.
 - Frame Material: PVC (Polyvinyl chloride).
 - Flexible 180° viewing angle.
 - Can be used with glasses.
 - Vented to eliminate fog.
 - Meets ANSI Z87.1 standards.
 - Lens Dimensions: 8-7/8" x 3-5/16".



Part No. 1-701-41217 **\$277²**
Reg. Net Price \$32.61

PFERD Chip Brushes

High volume/cost-effective brushes for wide range including painting, gluing, touch-up, chip removal, parts cleaning, and other industrial applications. Economy quality white bristle.



Box Qty. Pricing			
Brush Width	Box Qty.	Part No. 1-613-	ONLY!
1/2"	36	-740B	\$38.67
1	36	-741B	45.69
1-1/2	36	-742B	58.25
2	24	-743B	45.76
3	12	-745B	79.61

144 Pc. Chip Brush Assortment

INCLUDES:
(36) 1/2"
(36) 1" (24) 2"
(36) 1-1/2" (12) 3"

Part No. 1-613-746
\$216⁷⁷

SERVO Variable Speed Power Feed Bridgeport Hand Fed Mill

FEATURES:

- Gives you reliable, workhorse performance across a wide range of general purpose machining.
- Semi-automated machining on Class 1 mills to 3 HP.
- Helical gearing and torque limiting friction safety clutch with new and improved gear.
- Peak torque (half-wave series motor).

SPECIFICATIONS:

Intermittent Torque 105 in./lb.
Continuous Torque 90 in./lb.
Variable Feed Rate75-25 IPM
Rapid Traverse 35 IPM
Gear Reduction Ratio 72:1
Electrical 110V, 50/60 Hz, 2.5 Amps
Weight 15 lbs.

INCLUDES:

- Limit switches.
- Manual circuit breaker.
- 6' ground line cord.
- Complete instructions.
- Mounting hardware.

Model #200-140

Part No. 2-011-079
Reg. Net Price \$1,565.98



\$1,409³⁸

ERB Blue Denim Shop Apron

Our affordable line of quality aprons are made from ultra-durable fabrics.

FEATURES:

- Heavy-duty 10.5 oz. denim.
- Dark indigo color masks dirt and stains.
- Featuring nylon ties, pencil and patch pockets.
- 4" H divided chest pocket.
- Rugged and made to last.
- 5.25" H divided waist pocket.
- Size: 36" L x 24" W

Model No. F4

Part No. 1-720-18004 **\$14⁷²**
Reg. Net Price \$17.32



EDGE TECHNOLOGY Tailstock Alignment Bar

Used to align the tailstock to the headstock faster, easier, and accurate.

Part No. 1-811-27000
Reg. Net Price \$108.48

\$97⁶³

FEATURES:

- Durable anodized finish.
- Hardened steel bar ends are precision ground after assembly for superior accuracy.
- Bar end diameters are equal within 0.0001" and made from high strength aluminum.



Legacy 7 Pc. Flexzilla® High Flow Couplers & Plug Set

Flexzilla® High Flow couplers and plugs double the amount of air flow to your tool. Connect the fittings from your tool all the way to the compressor. This ensures the best performance your air system can provide. Don't starve your air tool!

Nickel Plated Steel with Anodized Aluminum Sleeve

SET INCLUDES:

- (1) FNPT Coupler.
- (1) MNPT Coupler.
- (2) FNPT Plugs.
- (3) MNPT Plugs.

FEATURES:

- Push connect system.
- Maximum torque and RPM.
- Ideal for spray guns, impact tools or any high output tool.
- Increased efficiency.

NEW!

LIMITED QUANTITIES



Part No. 1-914L-A53457FZ **\$34⁸⁶**
Reg. Net Price \$46.48

SPECIFICATIONS:

Connection Size 1/4" NPT
Body Size 1/4"
Maximum Pressure 300PSI
Color ZillaGreen

save 25%

BluBird 3/8" x 25' Retractable Air Hose Reel

With 3' Lead-In Hose

REEL FEATURES:

- Solid brass fittings.
- L-Shaped base with groove reinforcement ensuring a stable support.
- 20 gauge powder coated steel construction.
- Horizontal and vertical wall mount options with adjustable guide arm. Can be mounted on wall, ceiling, and floor.
- Heavy-duty spring vibration resistant mechanism.
- Adjustable hose stopper and 4 non-sag rollers reduces hose abrasion. Complete with rubber gasket.
- Smooth auto-rewind with locking 12 point ratchet gearing system.

HOSE FEATURES:

- Solid brass fittings.
- 300 PSI working pressure with a 4:1 safety factor.
- Constructed with high strength polyester braided reinforcement.
- Ultra light, super strong rubber that resists abrasion and kinks.
- 40% Lighter than standard rubber hoses.
- Maintains integrity under extreme weather conditions. Flexible from -50°F to +212°F.
- 4 finger grip bend restrictor for better use and easier control over the hose.

Model BBR3825
Part No. 1-838-100K

\$163¹³

FREE KBC Blow Gun

INCLUDES:
• (1) 1-397-600S:
KBC Blow Gun.



NEW!



COILHOSE PNEUMATICS 770 Pistol Grip Blow Gun

FEATURES:

- Variable flow control and is lightweight.
- Conforms to OSHA standards for noise levels and less than 30 PSI dead-ended pressure.
- Supplied with a brass reinforced inlet, 1/4" FPT.

Part No. 1-816-014 **\$20⁰⁶**
Reg. Net Price \$23.60



TEKTON Recoil Air Hose

25' x 1/4" Hose

FEATURES:

- Spring-type bend restrictors relieve the strain near hose ends.
- Made of lightweight nylon and premium brass connectors swivel 360°.
- After each use, the hose naturally springs back into its compact, coiled shape.

Part No. 1-397-610
Reg. Net Price \$25.90

\$23³¹



Machinist Clamping Sets



SET INCLUDES:

- (6) T-slot Nuts
- (6) Flange Nuts
- (4) Coupling Nuts
- (6) Step Blocks
- (6) Serrated End Clamps
- (24) Studs, 4 each: 3", 4", 5", 6", 7", 8" lg.



Supplied with a plastic case.

Table T-Slot Size: 5/8"

Stud Size: 1/2"-13

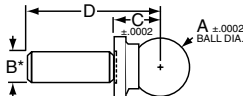
Part No. **1-904-20402** **\$110⁵⁴**
Reg. Net Price \$130.05

Table T-Slot Size: 1/2"

Stud Size: 3/8"-16

Part No. **1-904-20413** **\$110⁵⁴**
Reg. Net Price \$130.05

TOOLMAKERS Construction Tooling Balls



Precision ground shoulder provides precise "C" dimension to facilitate locating ball centerline. Heat treated steel.

- *- Slip fit shank tolerance is plus .0000, minus .0004".
- Press fit shank tolerance is plus .0003", minus .0000".
- Ball and shank are concentric within .0002" T.I.R.



A	B*	C	D	Part No. 1-901-		Reg. Net Price	NOW!
				Slip Fit	Press Fit		
.2500"	.1250"	.200"	9/16"	-26805	-26806	\$36.94	\$31.40
.3750"	.1875"	.300"	3/4"	-26810	-26811	38.52	32.74
.5000"	.2500"	.400"	15/16"	-26815	-26816	40.11	34.09
.5000"	.2500"	.500"	1-3/8"	-26820	-26821	43.73	37.17
.7500"	.3750"	.500"	1-1/4"	-26830	-26831	55.36	47.06



Horizontal Hold-Down Clamps

STAINLESS STEEL



Supplied with spindle assembly.

Model	Overall Height	Height Under Bar	OAL	Holding Capacity (lbs.)	Part No. 1-910-	Reg. Net Price	SALE!
205-S*	3/4"	13/32"	2-3/4"	60	-52060	\$20.15	\$18.14
205-U*	3/4"	13/32"	2-3/4"	60	-52050	19.85	17.87
205-UR*	3/4"	13/32"	2-3/4"	60	-52055	26.38	23.74
213-U	1 1/16"	3/4"	3-15/16"	150	-52130	26.05	23.45
215-U	1-1/2"	1	5-7/16"	200	-52150	26.84	24.16
217-U	1-29/32"	31/32"	6-17/64"	200	-52170	34.58	31.12
225-U	1-7/8"	1-3/8"	6-19/32"	500	-52250	30.62	27.56
227-U	2-13/32"	1-21/64"	7-15/64"	500	-52270	38.13	34.32
235-U	2-1/2"	1-3/4"	10-1/8"	750	-52350	53.82	48.44
237-U	3-3/16"	1-3/4"	10-7/16"	750	-52370	69.16	62.24

*S Solid Holding Bar (Bolt retainers furnished) -U "U" Shaped Holding Bar
*Plastic Spindle Assembly.

Steel Spring Clamps



Made with vinyl tips to prevent marring and vinyl handles for a non-slip grip. Features a heavy-duty spring for a tight fit and nickel plating to prevent corrosion.

Clamping Capacity	Throat Depth	Part No. 1-820B-	Reg. Net Price	SALE!
1"	1-1/4"	-XM3	\$3.47	\$3.12
2"	2-1/4"	-XM5	5.78	5.20
3"	3-5/16"	-XM7	10.74	9.67

Dryseal Socket Pressure Plugs

- FEATURES:
- Thermo-forged.
 - Heat treated alloy steel.
 - NPTF 3/4" diametral taper per foot.



Pressure Plug Size	Length of Plug Nominal	Threads Per Inch	Part No. 1-908-	ONLY!
1/16"	5/16"	27	-474	\$.72
1/8"	5/16"	27	-475	1.74
1/4"	7/16"	18	-476	1.07
3/8"	1/2"	18	-477	1.66
1/2"	9/16"	14	-478	3.14
3/4"	5/8"	14	-479	6.05
1	3/4"	11-1/2"	-480	19.02
1-1/4"	13/16"	11-1/2"	-481	45.30

TEKZ 70 Pc. Grease Fitting Assortment



SET INCLUDES:

- Straight
 - (10) 1/8"-27
 - (20) 1/4"-28
 - (10) 6mm x 1.0
 - (5) 8mm x 1.0
 - (5) 10mm x 1.0
- 45°
 - (5) 1/8"-27
 - (20) 1/4"-28
- 90°
 - (5) 1/8"-27
 - (5) 1/4"-28

Part No. **1-928-45215** **\$22²³**
Reg. Net Price \$26.15

Supplied with a convenient re-sealable plastic case.

TEKZ 225 Pc. SAE O-Ring Assortment



SET INCLUDES:

- (10) 3/32" x 15/64"
- (20) 1/8" x 1/4"
- (20) 5/32" x 9/32"
- (20) 3/16" x 5/16"
- (15) 7/32" x 11/32"
- (5) 1/4" x 3/8"
- (15) 5/16" x 7/16"
- (10) 3/8" x 1/2"
- (10) 7/16" x 5/8"
- (10) 1/2" x 11/16"
- (10) 9/16" x 3/4"
- (10) 5/8" x 3/4"
- (10) 5/8" x 13/16"
- (10) 11/16" x 7/8"
- (10) 3/4" x 15/16"
- (10) 3/4" x 1"
- (10) 13/16" x 1-1/16"

Part No. **1-928-45225** **\$13¹⁸**
Reg. Net Price \$15.50

Knurled Knobs



Thread Size	Head Dia.	Part No. 1-397-	Reg. Net Price	SALE!
10-24	3/4"	-300	\$4.19	\$3.56
1/4-20	1	-301	4.19	3.56
3/8-16	1-1/4"	-302	6.03	5.13
1/2-13	1-1/2"	-303	6.03	5.13
5/8-11	2	-304	11.33	9.63
3/4-10	2-1/2"	-305	21.64	18.39

FEATURES:

- Suitable for many adjustment, clamping, or locating devices.
- Black shiny finish.
- Knurled head provides non-slip finger grip.



TITAN 10" Hand Riveter With Rivets



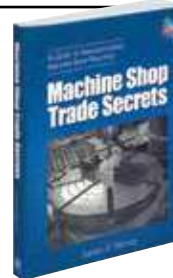
FEATURES:

- For use with 3/32", 1/8", 5/32", and 3/16" rivets.
- Suitable for steel, aluminum and plastic rivets.
- 4 interchangeable nosepieces.
- Anti-slip cushion grip handle.
- Includes 60 rivets.

Part No. **1-909-15052** **\$26⁴¹**
Reg. Net Price \$31.07

Machine Shop Trade Secrets

A Guide to Manufacturing Machine Shop Practices



FEATURES:

- Improve surface finishes and hold tighter tolerances.
- Remove broken taps, drill bits, and other hardware.
- Apply proven CNC techniques to maximize output.
- Improve surface finishes and old tighter tolerances.
- Assist engineers with design and manufacturing issues.

You will discover ways to:

- Surface grind blocks, pins and shapes.
- Work faster.
- Cut thread, knurl parts and eliminate warp.
- Choose realistic feeds, speeds and depths of cut.
- Select, make, and grind cutters.

Part No. **1-961-375**
Reg. Net Price \$108.42

\$92¹⁶

T-Slot Cleaner

Very useful item for every machinist to clean the T-slots on your machine table.

1" Wide
7/16" T-Slot Size



Part No. **1-909-400** **\$20¹**

Little GIANT Utility Pump

FEATURES:

- Corrosion- and rust-resistant, epoxy-coated cast aluminum pump.
- FKM triple-lip seal.
- Upper and lower ball bearings for long life.
- 1" FNPT (25.4 mm) discharge (includes garden hose adapter for quick plug and play).
- Manual operation, pumps down to 1/8" with screen, and down to 1/16" without screen.
- 120°F (49°C) maximum liquid temperature rating.

NEW!



Model 5-MSP

Part No. 1-440-505723 **\$273⁰⁵**
Reg. Net Price \$321.24

Gallons Per Minute					Shut Off	PSI
1'	3'	5'	10'	20'		
1500	1464	1395	1191	528	26'	11.43

[Click here for complete details.](#)

KING 40 Gallon Parts Washer

FEATURES:

- Thermally protected 110V motor and ON/OFF switch.
- 3 way filtration traps grime.
- Safety lever has fusible link which shuts cover in case of fire.
- Flush hose delivers flow of solvent to rinse parts clean, quickly and easily.

INCLUDES:

- Flush hose.
- Solvent pump.
- CSA approved electrics.
- Fusible link fire safety feature.
- Floor Stand.

Part No. 6-125-137

\$299⁰⁰



Legacy Workforce® Series Pistol Grip Grease Gun

The highest standards for engineering and craftsmanship are built into every Workforce® Grease Gun making them the choice for those who work under rugged conditions.

FEATURES:

- Heavy-duty die cast head construction for maximum durability and longer service life.
- 4-Jaw coupler for better and longer service life.
- Non-slip knurled barrel for better grip.
- 12" flexible extension for hard to reach grease fittings.
- Durable follower rod and spring for consistent priming.
- Positive grip follower handle.
- Includes filler nipple port.

Part No. 1-914L-L1325
Reg. Net Price \$44.93

\$38¹⁹



LPS THERMAPLEX Multi-Purpose Bearing Grease

Developed to outperform conventional bearing grease and extend re-lubrication periods. Ideal for lubricating all type of bearings and will prolong bearing life. It will reduce maintenance costs and grease consumption. Excellent load carrying properties.

Part No. 1-444-70614 **\$21⁵⁰**
Reg. Net Price \$25.28



TRICO TRI-COOL™ TC-1 Premium Synthetic Coolant

ECOLOGICALLY SAFE

TC-1 is a highly concentrated premium synthetic water soluble coolant formulated to exceed the demands of spray and flood cooling. It contains a non-chlorine extreme pressure additive for improved tool and surface finish. TC-1 prevents rusting on tool and surface finish. It contains a broad spectrum biocide/fungicide for protection against growth. TC-1 is non-toxic, non-flammable, and biodegradable.

Part No. 1-439-30657 **\$394⁷¹**
Reg. Net Price \$438.57



DYKEM Layout Fluid

FEATURES:

- Allows scribing of sharp, clear, precise lines reducing eyestrain.
- Provides a thin coat that dries in minutes without cracking or chipping, revealing defects and pinholes in a variety of surfaces.

TOULENE-FREE

STEEL BLUE

Size	Part No. 1-442-	Reg. Net Price	NOW!
8 oz. Brush Cap Can	-001	\$24.30	\$21.87
12 oz. Aerosol	-002	27.34	24.61

LOC-LINE Adjustable Coolant Hose System Kits

THE ORIGINAL MODULAR HOSE SYSTEM!

FEATURES:

- Electrically non-conductive and ideal for use as an EDM flushing hose.
- Will stay in position without any springback. Creep due to machine vibration is eliminated.
- Fully hand-adjustable in both position and length.



KITS INCLUDE:

- Male NPT Connectors: 3/8", 1/2"
- Nozzles: 1/16", 1/8", 1/4"
- 13" Length with Fittings: (2) 5-3/4" Segments

1/4" Hose Kit

Part No. 1-836-40413 **\$13⁷⁴**
Reg. Net Price \$15.27

1/2" Hose Kit

Part No. 1-836-50813 **\$15⁴⁷**
Reg. Net Price \$17.19

EXAIR® Cold Gun Aircoolant System™

save 20%

Replace messy mist systems. Improve dry machining with clean, cold air!

The Cold Gun produces a stream of clean, cold air at 50°F (28°C) below supply air temperature. Operation is quiet and there are no moving parts to wear out. It will remove heat to prolong tool life and increase productivity on machining operations when liquid coolants cannot be used.

Gun is non-adjustable to prevent freeze-up during use. Cold airflow and temperature drop are factory set to optimize the gun's cooling capability.



Model 5230

Includes: High Power Cold Gun, Single Point Hose Kit, 3/8" Cone Nozzle, 1-1/4" Fan Nozzle, Automatic Drain Filter Separator

Part No. 1-541-5230 **\$685⁷²**
Reg. Net Price \$857.15



Model 5330

Includes: High Power Cold Gun, Dual Point Hose Kit, (2) 1/4" Cone Nozzles, (2) 1" Fan Nozzles, Automatic Drain Filter Separator

Part No. 1-541-5330 **\$701⁸⁴**
Reg. Net Price \$877.30

TRICO DL MAGNUM Spray Cooling System

ECOLOGICALLY SAFE

TC-1 is a highly concentrated premium synthetic water soluble coolant formulated to exceed the demands of spray and flood cooling. It contains a non-chlorine extreme pressure additive for improved tool and surface finish. TC-1 prevents rusting on tool and surface finish. It contains a broad spectrum biocide/fungicide for protection against growth. TC-1 is non-toxic, non-flammable, and biodegradable.

Part No. 1-439-30657 **\$394⁷¹**
Reg. Net Price \$438.57



TRICO DL MAGNUM Spray Cooling System

FEATURES:

- Independent liquid and air controls.
- 60 lb. mounting magnet stays in place while offering maximum flexibility.
- Check valve minimizes delay of fluid delivery upon start-up.
- Pick-up filter prevents clogging.
- Heavy-duty metal nozzle conduit offers maximum durability; nozzle stays in position.
- Increased chip clearing power and reduced overspray.



SPECIFICATIONS:

Supply Pressure 60-120 PSI
Inlet Fitting 1/4" NPT or 1/4" BSPT

Part No. 1-439-30633 **\$312¹²**
Reg. Net Price \$346.80

13 Pc. Combination Pin Punch Set

FEATURES:

- Tool steel, hardened and tempered; centerless ground.
- Uniformly heat treated, knurled body for easy gripping.

8 Pcs. (1/16 to 5/16") - Length: 4"
5 Pcs. (1/8 to 3/8") - Length: 8"

Part No. **1-397-SPC85** **\$31³³**
Reg. Net Price \$41.77



Pocket Size Combination Square With Scriber and Level

6" pocket combination square. Blade graduated in 8ths and 16ths on one side, 16ths and 32nds on the other side.

Part No. **1-930-10227** **\$17⁰⁰**
Reg. Net Price \$20.00



CRESCENT WISS 10" Heavy-Duty Titanium Coated Tradesman Shears

FEATURES:

- Heavy-duty blades feature premium grade stainless steel and are precision engineered for knife-like cutting edges.
- Serrated bottom blade grips material as it is being cut for increased cutting control and cleaner cuts.
- Titanium coated blades provide corrosion resistance and are 3X harder than steel for durability and tool life.
- Control channel accommodates index finger for increased control and cutting stability.
- Full metal core extends through the handle for maximum strength and increased durability.
- Touch point ergonomics optimize hand and finger contact points in handles to maximize fit, control, and user ergonomics.

Part No. **1-552-CW10TM**
Reg. Net Price \$38.30
\$32⁵⁶



CRESCENT 2 Pc. Grip Zone™ V-Jaw Dual Tongue & Groove Plier Set

FEATURES:

- V-shaped jaws allow for a firmer grip on various shapes.
- Rivet construction with precision machined joint interlock assures smooth, positive joint action, no chance of slipping position or coming apart under load.
- Angled teeth for increased gripping on pipes and fasteners.
- Unique tooth design grips tighter, giving you increased torque using less effort.
- Black oxide finish wipes clean easily and resists corrosion.
- Maximum durability from alloy steel construction with induction-hardened teeth.
- Integrated non-marring Grip Zone™ pipe grip area in the handle, made of high-impact rubber.

Includes: 10" & 12" Pliers
Part No. **1-552-RT400** **\$64¹⁵**
Reg. Net Price \$75.47



KNIPEX Diagonal Cutters

FEATURES:

- High cutting performance with minimum effort due to optimum co-ordination of the cutting edge angle and transmission ratio.
- For very tough, continuous use.
- Precision cutting edges (cutting edge hardness approx. 64 HRC) cuts several types of wire including piano wire.
- Chrome vanadium heavy-duty steel; forged, oil-hardened.



8" Overall Length
Part No. **1-926-7401200** **\$62¹⁶**
Reg. Net Price \$73.13

10" Overall Length
Part No. **1-926-7401250** **\$81⁴⁶**
Reg. Net Price \$95.83

Milwaukee FASTBACK™ Folding Utility Knives



Compact Folding

FEATURES:

- Press and flip opening.
- Quick change.
- Durable wire belt clip.
- Blade holder designed for scoring.
- Metal extension to prevent accidental blade removal.
- Compact size.



Part No. **1-828-48221500** **\$10⁹⁹**

Folding with Blade Storage

FEATURES:

- Press and flip opening.
- Quick Change: Tool free blade change.
- Durable wire belt clip.
- Blade holder designed for scoring.
- Metal extension to prevent accidental blade removal.
- Metal body.



Part No. **1-828-48221502** **\$18⁹⁹**

- Wire stripper.
- Gut hook.
- Stores 5 extra blades.
- Fits most utility blades.

Milwaukee 3/8" Ratchet & Socket Sets With PACKOUT™ Low-Profile Compact Organizer



FEATURES:

- FOUR FLAT™ Sides feature wrench-ready design and socket deter rolling.
- 90-Tooth design with 4° of arc swing for tight work spaces.
- Sockets with stamped sizes.
- Slim profile ratchet.
- Impact resistant body.
- IP65 rated protection.
- 3" & 6" Extensions.
- Universal hose adapter.
- Heavy-duty latches and reinforced hinge.
- Clear top for easy identification of contents.
- 90-Tooth ratchet with flush directional lever.
- Removable inner tray specifically designed for steel storage.



1-828-48229481 SHOWN

32 Pc. Metric Set
Deep Well Sockets: 6 to 19mm
Standard Sockets: 6 to 19mm
Part No. **1-828-48229482**

28 Pc. Inch Set
Deep Well Sockets: 1/2 to 9/16"
Standard Sockets: 1/2 to 1"
Part No. **1-828-48229481**

\$135⁰⁰

\$135⁰⁰

Milwaukee 106 Pc. Metric & SAE Ratchet & Socket Set With PACKOUT™ Low-Profile Compact Organizer



FEATURES:

- FOUR FLAT™ Sides feature wrench-ready design and socket deter rolling.
- Clear top for easy identification of contents.
- 90-Tooth design with 4° of arc swing for tight work spaces.
- Removable inner tray specifically designed for steel storage.
- Sockets with stamped sizes.
- Slim profile ratchet.
- Impact resistant body.
- IP65 rated protection.
- Heavy-duty latches and reinforced hinge.



SET INCLUDES:

- 1/4" Drive 50 Pc. Ratchet & Socket Set - SAE & Metric. Size Range: 5/32 to 9/16", 5 to 15mm.
- 3/8" Drive 56 Pc. Ratchet & Socket Set - SAE & Metric. Size Range: 1/4" to 1", 6 to 19mm.

Part No. **1-828-48229486**
\$359⁰⁰

5 Pc. Screw Extractor Set



For removing broken screws, bolts, studs, and pipes.

Sizes Included: #1 to #5.
Supplied in a plastic pouch.

Part No. **1-397-6716** **\$10⁸⁷**
Reg. Net Price \$12.79



EVOLUTION[®] 15" Metal Cutting Chop Saw
With Cast Aluminum Base

- FEATURES:**
- Heavy-duty cast aluminum base with wear plate and bench mounting holes.
 - Quick-release vise with robust square-threaded rod.
 - Ergonomic, ambidextrous trigger.
 - Attachable "v" shape block included for secure clamping of round and square tube.
 - 10 ft. rubber power cord included.

- INCLUDES:**
- 14" Mild Steel Blade with 66 Teeth (14BLADEST).
 - Hex key: 5/16" (8mm).
 - V-Block Adaptor.
 - Instruction Manual.

- PLUS!** **\$65.00 Value!**
- INCLUDES:**
- (6) 1-613-742: KBC 1-1/2" Chip Brush.
 - (1) 1-711-BK110: BEARKAT Clear Lens Safety Glasses.
 - (1) 1-909-830: KBC Carbide Scriber.
 - (1) 1-909-007: KBC Baseball Cap.
 - (1) 1-816G-LZR600: GUARD AIR Lazer Blow Gun.



Model S380CPS
Part No. **1-827-410K**
\$646⁶⁵



FREE KBC TOOLING KIT



Cut-Off Tool
With 3" Cut Off Wheel
Rear Exhaust



- FEATURES:**
- Modern high polished aluminum housing design.
 - Precision collet for secure bit retention.
 - Safety lock-off lever prevents accidental start-ups.

SPECIFICATIONS:

Air Consumption 4 CFM
Air Pressure 90 PSI
Air Inlet 1/4" NPT
No Load Speed ... 20,000 RPM
Total Length 7"

Model FPX-200
Part No. **1-829-901**
Reg. Net Price **\$68.20**
\$57⁹⁷

Shop ALL Evolution Power Tools with Free KBC Kits!

AIRCAT[®] 1/4" Composite Straight Die Grinder
Rear Exhaust

- FEATURES:**
- Patented quiet tuned exhaust (82 dBA).
 - Feather trigger for better speed control.
 - Superior steel grade internal bearings for longer life.

SPECIFICATIONS:

Air Consumption 4.2 CFM
Air Inlet 1/4" NPT
Horsepower 0.5 HP
No Load Speed 22,000 RPM
Tool Length 8.5"



NEW! Model 6201
Part No. **1-830-035**
\$132⁶⁰

PALMGREN POWERGRIND-XP[™] 6" Variable Speed Bench Grinder
With Dust Collection

- FEATURES:**
- Variable speed inverter delivers a broad range of continuous speeds to fit any application.
 - Powerful, heavy-duty capacitor motors provide additional torque and plenty of power at all speeds without any loss of RPM's at full load.
 - LED speed readout with "soft" touch on/off and variable speed control pad.
 - Three hard speed switch settings 900 / 1,800 / 3,600 RPM. Variably adjust the speed up or down in 100 RPM increments.
 - Dynamically balanced rotors and sealed bearings.
 - Extended wheel to wheel clearance.
 - Exclusive single port dust collection.



NEW! Part No. **1-549-82096**
Reg. Net Price **\$1,112.90**
\$1,001⁶¹

SPECIFICATIONS:

Motor 1/2 HP, 115/240V, 1 PH
No Load Speed (3) .. 900 / 1,800 / 3,600 RPM
Arbor Size 1/2"



M12 FUEL[™] 1/4" Right Angle Die Grinder

- FEATURES:**
- 4-MODE speed control.
 - Includes a wrench.
 - Greater mobility and access. No air hoses, compressors, or daily maintenance.
 - Compact tool size allows access in tight spaces.
 - Optimum performance with 2" accessories.
 - POWERSTATE[™] brushless motor technology.
 - Compatible with all M12[™] batteries.

SPECIFICATIONS:

Collet Size 1/4"
Voltage 12V
Horsepower 0.3 HP
No Load Speed 0-24,500 RPM
Dimensions 7.8" x 2.2" x 4.4"

NEW! Part No. **1-828-2485-20**
\$268⁰⁰



1/2" Impact Wrench
With Rocker Switch and Friction Ring Socket Retention

- FEATURES:**
- AC/DC rocker switch enables quick selection of forward and reverse.
 - Friction ring socket retention system reduces downtime on applications involving frequent changing of accessories.
 - Complete with 8" fixed rubber cord that has durable construction for longer tool life.

SPECIFICATIONS:

Drive Size 1/2"
Amperage 7 AMPS
Max. Torque 300 ft./lbs.
No Load Speed 1,800 RPM
Impact Rate 2,600 IPM
Length 11-5/8"

NEW! Part No. **1-828-9071-20**
\$298⁰⁰



M18[™] FUEL 2-Tool Combo Kit

- HAMMER DRILL FEATURES:**
- Only 6.9" in length for access into tight spaces and reduced fatigue.
 - Fastest drilling and driving applications under load.
 - Auto-stop feature to protect from overrotation in a bindup for enhanced safety, equipped with a dedicated autostop light on foot of tool to indicate a protection event.
 - LED light for better visibility in low-light situations.
 - 1/2" all-metal chuck with carbide teeth for maximum durability, grip and bit retention.
 - Mechanical clutch for consistency in driving a wide range of fasteners.
 - Hammer drill mode for fast drilling into brick, block, or concrete.

HAMMER DRILL SPECIFICATIONS:

Chuck Capacity 1/2"
Blows Per Minute 0-33,000
Max. Torque 1,400 in./lbs.
No Load Speed 0-2,100 RPM
Dimensions 8.23" x 6.95" x 2.38"

Part No. **1-828-3697-22**
\$498⁰⁰

- HEX IMPACT DRIVER FEATURES:**
- Increase productivity on the jobsite with the fastest driving speed of any impact driver without sacrificing power or control.
 - Ultimate trigger control by providing smooth acceleration for small fasteners to prevent stripping of screws or damaging of materials.
 - Tri-LED lighting for maximum workspace visibility.
 - Compact size (4.47") for access in tight spaces.
 - Self-tapping screw mode is designed to reduce walking when starting self-tapping screws as well as reduce overdriving, breaking, and stripping out screws.

HEX DRIVER SPECIFICATIONS:

Drive Size 1/4"
Max. Torque 2,000 in./lbs.
No Load Speed (4) 0-3,900 RPM
Impact Rate 0-4,400 IPM
Dimensions 5.4" x 3.9" x 9.5"

- KIT INCLUDES:**
- (1) M18 FUEL[™] 1/2" Hammer Drill/Driver.
 - (1) M18 FUEL[™] 1/4" Hex Impact Driver.
 - (1) M18[™] & M12[™] Multi-Voltage Charger.
 - (2) M18[™] REDLITHIUM[™] XC5.0 Extended Capacity Battery Pack.
 - (1) Side Handle. • (2) Belt Clip. • (1) Blow Molded Case.



SHOP WHENEVER, WHEREVER FROM THE CONVENIENCE OF YOUR DEVICE



Download the KBC Tools Mobile App TODAY!



3M Scotch® Super 33+™ Vinyl Electrical Tape

FEATURES:

- Premium grade, 7 mil. thick, all-weather vinyl-insulating tape.
- Temperature Range: 0°F - 220°F
- Excellent resistance to abrasion, moisture, alkalis, acids, corrosion and varying weather conditions (including ultraviolet exposure).
- Dielectric Strength: 1,150 mV



OVERSTOCK SALE!
Quantities Limited.

3/4" x 52 ft. Roll
Part No. **1-720-706133**
Reg. Net Price \$12.36

\$8.65



24/7 All Tools... All The Time.

24/7 PICK-UP LOCKERS



Check out the big red lockers outside our KBC Mississauga location. Just order during regular business hours and pick up your order anytime!

Your tools... your time.

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Fax Main Line .. (519) 737-7682

Vancouver British Columbia & Alberta

108-1538 Cliveden Ave.
Delta, BC V3M 6J8
Local Calls (604) 540-4060
Fax Main Line .. (604) 540-4080



6 Pc. Telescoping Gage Set

"DOUBLE ACTION" Self-Centering



FEATURES:

- Rigid handle with self-centering feature.
- Satin chrome finish.
- Sizes: 5/16- 6".
- Made of hardened tool steel.

Part No. **8-412-004C** **\$29.76**
Reg. Net Price \$37.20

Supplied in a plastic case.



360° Electronic Digital Angle Protractors

FEATURES:

- Stainless steel rule blades with inch and metric marking scales.
- Scale readings: 1/16", 1/32", 1/64" & MM.
- Strong metal locking nut.
- Large LCD digital displays in degrees.
- Reversible reading.
- Hold function.
- Inside and outside angle measurements.
- Auto shut-off.
- CR2032 Battery included.



NEW!



SPECIFICATIONS:

Measuring Range 0-360°
Resolution 0.05°
Accuracy ±0.3°
Repeatability..... 0.1°

Blade Size
Front: 8" Rear:10"
Part No. **1-815-205**
Reg. Net Price \$45.62

\$38.78

Blade Size
Front: 4" Rear:7"
Part No. **1-815-203**
Reg. Net Price \$38.53

\$32.75

LUTZ 8" File Card

Used for general cleaning of file teeth.



Part No. **1-611-005**
Reg. Net Price \$16.28
\$14.65

Cyclone Manufacturing Sandblast Metal Cabinets with Dust Collection

FEATURES:

- Top quality AMERICAN MADE.
- Manufactured to perform well for years.
- Top or side opening for easy access – even for heavy and bulky items.
- Can be used with most blasting abrasives for cleaning, deburring and finishing metal products, dies and tooling.
- Seams are welded and sealed to keep dust inside cabinet.
- Automatic air shut-off prevents blasting while tops are open.
- Canister dust collector reduces dust collection mess.
- Air Requirements: 14 CFM.
- Cabinet front is slanted to reduce back fatigue.

SPECIFICATIONS:

Working Dimensions	4224	4826
Height	24"	26"
Width	42"	48"
Depth	24"	26"
Overall Dimension		
Height	60"	58"
Width	45"	48-1/2"
Depth	46"	26-1/2"



Model 4224



Model 4826

Model 4224
Part No. **2-011-4224**
Reg. Net Price \$2,736.75
\$2,463⁰⁸

Model 4826
Part No. **2-011-4826**
Reg. Net Price \$3,012.25
\$2,711⁰³

FREE 50 Lb. Medium Glass Bead Media
60-100 Grit VALUE \$92.42
Use Promo Code: **FREE0424M**

TEKZ 4 Pc. Pry Bar Set

FEATURES:

- Lengths Included: 8", 12", 18", & 24".
- Tough polypropylene handle grips.
- Forged carbon steel with black oxide finish.

Part No. **1-909-17103**
Reg. Net Price \$34.04
\$28.93



NEW!

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