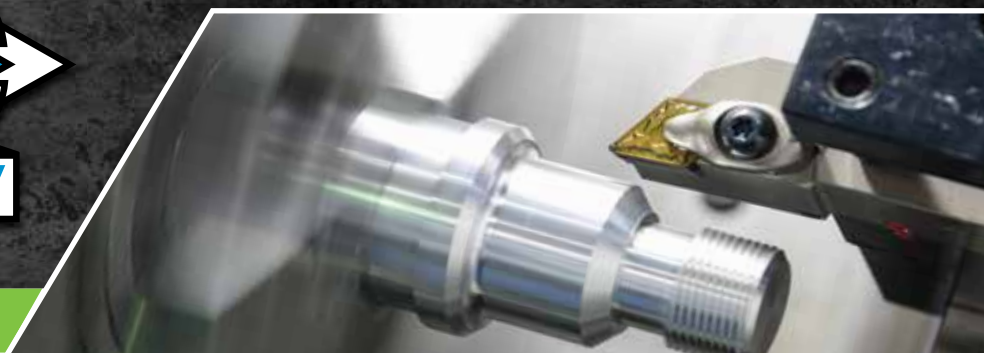
KBC TOOLS & MACHINERY

ALL METAL ... ALL THE TIME™

Industrial Metalworking Tooling & Solutions Since 1965



MAY-JUN 2020

TRIUMPH 38 Pc. C-6 Carbide Tipped Toolbit Sets

NEW!

C-6 Grade Use:
General purpose carbide grade for steel and steel alloys.

save 25%

SET INCLUDES:
- 8 each AR & AL
- 4 each C & D
- 4 each BR & BL
- 6 each E

Dimensions		Part No. 1-425B-	Reg. Net Price	SALE!
Square	Length			
1/4"	2"	-4SET	$98.45	$73.84
3/8	2-1/2	-6SET	104.65	78.49
1/2	3-1/2	-8SET	144.95	108.71

6 Pc. Telescoping Gage Set

FEATURES:
- Satin chrome finish.
- Measures the true size of holes and slots.
- Plungers are locked at any desired setting.
- Locking mechanism consists of a knurled screw at the end of the handle.
- Contact plungers automatically self center at all times and positions.
- Contact ends are hardened & radius ground providing clearance for insertion into a smaller hole.

Range: 5/16 to 6"
Part No. 1-804-508
Reg. Net Price $157.23
$123.95

KLEIN TOOLS 6" T-Handle Hex Key Wrench Sets

JOURNEYMAN

MADE IN THE USA

FEATURES:
- Convenient hang hole.
- Tip-Ident sizes marked.
- Sizes laser etched on blade.
- Chamfered end.
- T-Handle design delivers maximum power.
- Soft touch grips for maximum control and comfort.
- Treated steel for rust and corrosion resistance.
- Blade-through handle design for high torque applications.
- Sets supplied with a metal stand.

NEW!

save 20%

10 Pc. Inch
Sizes Included: 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16" & 3/8"
Part No. 1-927-70152
Reg. Net Price $90.55
$72.44

8 Pc. Metric
Sizes Included: 2, 2.5, 3, 4, 5, 6, 8 & 10mm
Part No. 1-927-70157
Reg. Net Price $71.35
$57.08

NIKCOLE MINI-SYSTEMS Grooving & Cut-Off Set

save 20%

For Grooving & Cut-Off Under .078" Width

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.
- Supplied with a fitted case.

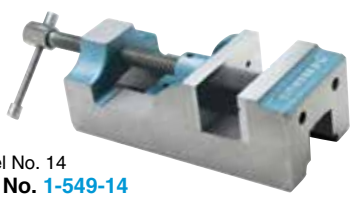
SET INCLUDES:
- (1) Right Hand Toolholder 1/2" SQ x 4-1/2" L.
- (5) TiN Coated Standard Grooving Inserts:
  .035" W x .100" T
  .043" W x .235" T
  .051" W x .235" T
  .063" W x .235" T
  .073" W x .235" T
- (1) Screw & Torx Key.

Part No. 1-293-015
Reg. Net Price $244.60
$195.68

PALMGREN Traditional Drill Press Vise

FEATURES:
- Machined four sides so it can be used on sides or end.
- For drilling, grinding, tapping, reaming, etc.
- Fixed jaw is grooved.
- Replaceable jaw plates.

save 20%



SPECIFICATIONS:
Jaw Width ..... 4"
Jaw Depth .....1-3/4"
Jaw Opening ..... 4"
Weight ..... 19 lbs.

Model No. 14
Part No. 1-549-14
Reg. Net Price $395.25
$316.20

FREE TITAN 3 Pc. Utility Tool Set

With Any Online Order $199.00 or More!

$17.91 Value!

Part No. 1-909-11065

- 4-1/4" mini magnetic tray
- 1-1/4" dia. telescoping mirror
- 5 lb. telescoping magnetic pickup tool

COUPON CODE: FREE520C

Valid 5/1/20 - 6/30/20
Registered Customers Only.
One Time Use.

ROLL-IN SAW 14-1/2" Capacity Gravity Feed Vertical Saw

MADE IN THE USA

MADE IN THE USA

1 HP, 230V, 1 PH Motor

FEATURES:
- Accepts blades from 1/4"-3/4" wide.
- Accurate gravity feed with hydraulic speed control and depth stop.
- Rugged simple construction for easy maintenance and long service life.
- Speeds (4): 70-525 SFPM
- Shipping Weight: 700 lbs.

Model EF
Part No. 6-398-005
$8,295.00

FINANCE AS LOW AS
$187.38/mo.
CALL FOR DETAILS

QUICK INDEX

Cutting Tools 3-7, 35
Carbide Tooling 1, 3, 8-9, 36
Fluids 3, 32
Workholding Tools 1, 10-13, 35
Abrasives 14-15, 35
Measuring & Inspection 1-2, 16-21, 35
Toolroom Accessories 22-23, 35-36
Hand Tools 1,33, 35
Shop Supplies 2, 30-31, 35
Power / Air Tools 2, 34-35
Machinery 1, 24-29

DEWALT 1/2" VSR Drill

FEATURES:
- Helical-cut steel, heat-treated gears for long life.
- Metal gear housing for jobsite durability.
- Two-finger, rubber trigger for increased comfort.
- Includes 360° side handle and chuck key with holder.

SPECIFICATIONS:
Chuck Size ..... 1/2"
Amps 8.5
No Load Speed ..... 0-1,000 RPM
Tool Weight ..... 4.2 lbs.

Part No. 1-826-DW235G
Reg. Net Price $219.71
$186.75

Industrial Air 80 Gallon Stationary Air Compressor

Two Stage, Cast Iron, Industrial

NEW! MADE IN THE USA c UL

FEATURES:
- Industrial performance delivers maximum CFM @ 175 PSI; provides enough power to operate more than one air tool or device at one time.
- Patented pump design provides for a cooler running pump.
- Equipped with pre-wired and mounted magnetic starter.
- Equipped with thermal overload protection.
- Integrated control panel for added control and convenience.

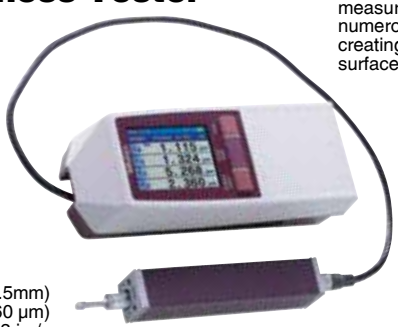
SPECIFICATIONS:
Running HP 5.0
Max PSI 175
CFM ..... 17.9 @ 100 PSI, 17.0 @ 175 PSI
Voltage 230V
Motor ..... Century

Model IV5048055
Part No. 6-394-004
Reg. Net Price $3,011.94
$2,560.15

Mitutoyo Surftest® SJ-210 Portable Surface Roughness Tester

The Surftest® SJ-210 portable surface roughness tester combines high accuracy and measurement speed with numerous innovative features creating a new class leader in surface inspection.

FEATURES:
- 2.4" color LCD display includes back-lighting and over-size fonts.
- Security management supports password protected function locks.
- Self-timed measurement supported.
- Display direction can be changed to be read vertically or horizontally right and left handed.
- Color tolerance judgments, evaluation curves and all data can be displayed in one of 16 languages.



SPECIFICATIONS:
Measuring Range ..... X Axis: .69" (17.5mm)
..... Z Axis: 14,200 µin (360 µm)
Measuring Speed ..... .01", .02", .03 in./s
Returning Speed 1mm/s
Skid Force ..... <400mN
Sampling Length ..... .003", .01", .03", .1"

More information @ KBCTools.com

SAVE over $360

Part No. 1-808-178561
Reg. Net Price $3,038.00
$2,673.44

100% SATISFACTION GUARANTEED:

100% KBC GUARANTEED SATISFACTION

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 $375.00 (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.

PLUS

Part No. 1-909-11065

FREE Titan 3 Pc. Utility Tool Set

With Any Online Order $199.00 or More!

- 4-1/4" mini magnetic tray
- 1-1/4" dia. telescoping mirror
- 5 lb. telescoping magnetic pickup tool

$17.91 Value!

COUPON CODE: FREE520C

Valid 5/1/20 - 6/30/20
Registered Customers Only.
One Time Use.

$10.95 FLAT RATE SHIPPING

On All Online Orders up to 50 lbs.

Some restrictions may apply.

FREE SHIPPING ORDERS OVER $375.00

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

24/7 PICK-UP LOCKERS

KBC

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.

Standard Length Solid Carbide Single End Mills

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

save 20%

2 FLUTE

Flute Dia.	Shank Dia.	Flute Length	OAL	Part No. 1-325-	Reg. Net Price	NOW!
1/16"	1/8"	3/16"	1-1/2"	-004	$8.99	$7.19
3/32	1/8	3/8	1-1/2	-006	8.99	7.19
1/8	1/8	1/2	1-1/2	-008	8.99	7.19
5/32	3/16	9/16	2	-010	14.90	11.92
3/16	3/16	5/8	2	-012	14.38	11.50
7/32	1/4	5/8	2-1/2	-014	17.41	13.93
1/4	1/4	3/4	2-1/2	-016	16.28	13.02
9/32	5/16	7/8	2-1/2	-018	21.59	17.27
5/16	5/16	7/8	2-1/2	-020	20.00	16.00
3/8	3/8	7/8	2-1/2	-024	27.13	21.70
7/16	7/16	1	2-1/2	-028	35.15	28.12
1/2	1/2	1	3	-032	42.63	34.10

3 FLUTE

Flute Dia.	Shank Dia.	Flute Length	OAL	Part No. 1-330-	Reg. Net Price	NOW!
1/16"	1/8"	3/16"	1-1/2"	-004	$12.40	$9.92
3/32	1/8	3/8	1-1/2	-006	12.40	9.92
1/8	1/8	1/2	1-1/2	-008	12.40	9.92
5/32	3/16	9/16	2	-010	14.90	11.92
3/16	3/16	5/8	2	-012	14.88	11.90
7/32	1/4	5/8	2-1/2	-014	17.41	13.93
1/4	1/4	3/4	2-1/2	-016	18.91	15.13
9/32	5/16	3/4	2-1/2	-018	26.35	21.08
5/16	5/16	7/8	2-1/2	-020	24.18	19.34
3/8	3/8	1	2-1/2	-024	29.45	23.56
7/16	7/16	1	2-3/4	-028	44.95	35.96
1/2	1/2	1	3	-032	49.60	39.68

Markal Quik Stik®

save 20%

NEW!

Mark Range: 0-392°F
Mark Size: 11/16"

FEATURES:
- Smooth-marking solid paint crayon that dries quickly to leave a bold permanent mark on most surfaces.
- Fast-drying, vibrant paint marks dry in 5-7 minutes.
- Marks on virtually any surface: wet, smooth, rough, or hot.
- Weather- and UV-resistant paint for long-lasting mark.
- 20% more paint than other brands, more marks for the money.
- Air-tight, self-storing cap keeps the marker clean and fresh between uses.
- Durable plastic twist-up holder prevents breakage.

Color	Part No. 1-443-	Reg. Net Price	SALE!
White	-61051	$10.72	$8.57
Black	-61050	10.72	8.57
Yellow	-61053	10.72	8.57
Red	-61049	10.72	8.57
Blue	-61070	10.72	8.57

Bench Stones

NORTON SAINT-GOBAIN

CRYSTALON
(Silicon Carbide)

Combination Grit.
Premium silicon carbide abrasive. Fast cutting stone; ideal for general sharpening of cutting tools. Fast stock removal for quick edge sharpening with minimal loading.

6" x 2" x 1" Coarse/Fine.
Part No. 1-632-85450
Reg. Net Price $47.85
$40.67

Machine Knife Stone
Offers both coarse and fine sides for sharpening and honing paper and cloth-cutting knives and planer knives on the machine. The groove around the middle of the stone protects fingers and provides a secure hold.

4" Dia. x 1-1/2" Thick.
Part No. 1-632-87570
Reg. Net Price $65.91
$56.02

PRECISION TWIST DRILL CO.

29 Pc. Screw Machine Drill Set

HIGH SPEED STEEL
118° POINT
RIGHT HAND

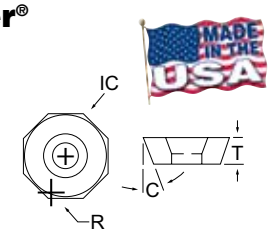
FEATURES:
- Primarily for use in screw machines.
- Performs well in limited access areas or where extra rigidity is required.
- Short length provides increased rigidity in machine drilling.
- Also referred to as "stub drills".

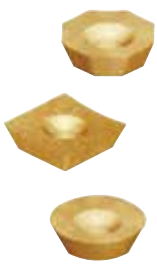
Part No. 1-050A-000
Reg. Net Price $214.94
$182.70

1/16" to 1/2" by 64ths

MILTEC Freedom Cutter® Carbide Power Shear Inserts

Power Shear: This blade has a medium dish grind compared to the Super Shear blade. The stronger cutting edge allows for heavier chip load per blade; up to .010" on metals under 28 RC and up to .008" on materials up to 34 RC.





PS Power Shear Medium Dish SmoothGrind®

INSERT SPECIFICATIONS:

Shape	I.C.	T	C	R
Octagon Square Round	.625"	.187"	20°	.062" .032 .312

GRADE SELECTIONS:

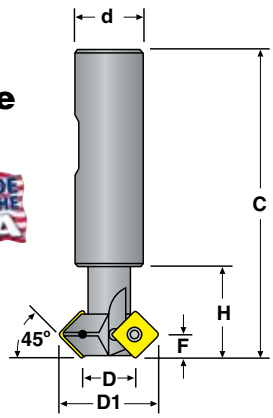
MTC No.	ANSI No.	Type of Coating	Applications
MTC-51	C-5	None	A good all around tool for all types of steels and continous chip materials under 28 Rc.
MTC-357	C-5/C-7	PVD TiAlN	This advanced PVD coating allows for elevated SFPM on all types of steel and cast materials.

Insert No.	Shape	Uncoated (MTC-51) Part No. 1-2655-	Reg. Net Price	NOW!	Coated (MTC-357) Part No. 1-2658-	Reg. Net Price	NOW!
PS-45L	Octagon	-020	$22.48	$20.23	-020	$24.03	$21.63
PS-032	Square	-025	22.48	20.23	-025	24.03	21.63
PS-312	Round	-030	22.48	20.23	-030	24.03	21.63

DORIAN TOOL

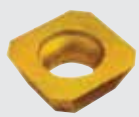
Indexable Double 45° Chamfer End Mills

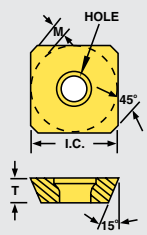
FEATURES:
- Available in 3/4" & 1" Weldon shank sizes.
- Positive inserts, 15° clearance.
- High rate of material removal.
- Torx screw locking system
- Four cutting edges.



TOOL ANGLES:
Cutting Rake ..... +15°
Axial Rake ..... 0°
Radial Rake ..... +3°

SDHW Inserts





Grade DASP35B:
PVD-TiN-TiAlN-TiN Multi-layer coating with high-lubricity factor and wear resistance properties used in wet conditions. For general purpose milling of carbon steel, alloy steel & annealed tool steel, with medium to high SFM. Maximum working temperature is 1,650°F.

Insert Style	I.C.	T	M	Hole Dia.	DASP35B Part No. 1-2866-	Reg. Net Price	SALE!
SDHW-090308-EN	.375"	.125"	.065"	.173"	-009	$23.91	$20.32

Tool Number	C	D	D1	d	F	H	No. Inserts	SDHW Gage Insert	Part No. 1-286A-	Reg. Net Price	SALE!
C45-112-SD09-075	3-3/8"	.625"	1-1/8"	3/4"	.230"	3/4"	2	090308	-115	$192.51	$163.63
C45-150-SD09-100	3-1/2	1.040	1-1/2	1	.230	1	3		-120	219.06	186.20

4 Flute TiAlN Coated Solid Carbide Roughing Hog Mills

save 20%

Designed for high production metal removal. ***For Faster Milling & Toughest Jobs.***

MICROSHIELD™ TiAlN - TITANIUM ALUMINUM NITRIDE
TiAlN offers a higher level of thermal stability with abrasion resistance. Ideal for high heat applications found in milling steels, stainless steels and high temp alloys with a hardness of 52 HRc and below.

Mill Dia.	Shank Dia.	Length of Cut	OAL	Part No. 1-352T-	Reg. Net Price	SALE!
1/4"	1/4"	3/4"	2-1/2"	-015	$43.52	$34.82
1/4	1/4	1-1/8	3	-020	69.94	55.95
1/4	1/4	1-1/2	4	-025	77.00	61.60
5/16	5/16	3/4	2-1/2	-030	50.22	40.18
5/16	5/16	1-1/4	3	-035	66.70	53.36
5/16	5/16	1-5/8	4	-040	100.44	80.35
3/8	3/8	1	2-1/2	-045	66.96	53.57
3/8"	3/8"	1-1/4"	3"	-050	$105.46	$84.37
3/8	3/8	1-3/4	4	-055	129.50	103.60
7/16	7/16	1	3	-060	73.66	58.93
7/16	7/16	2	4	-065	154.01	123.21
1/2	1/2	1-1/4	3	-070	87.05	69.64
1/2	1/2	2	4	-075	157.36	125.89
1/2	1/2	3	6	-080	207.58	166.06

MICROSHIELD™

TiAlN COATED (Titanium Aluminum Nitride) SOLID CARBIDE END MILLS

TiAlN offers a higher level of thermal stability above TiN and TiCN with abrasion resistance.

Ideal for high heat applications found in milling steels, stainless steels and high temp alloys with a hardness of 52 HRc and below.

2 & 4 Flute Drill Point End Mills

90° INCLUDED POINT ANGLE

APPLICATIONS:
• Drilling • Milling • Spotting • Chamfering • Countersinking

Size	Shank Dia.	Flute Length	OAL	2 Flute Part No. 1-325DT-	2 Flute Reg. Net Price	2 Flute SALE!	4 Flute Part No. 1-326DT-	4 Flute Reg. Net Price	4 Flute SALE!
1/8"	1/8"	1/2"	1-1/2"	-008	$19.75	$16.79	-008	$19.75	$16.79
3/16	3/16	5/8	2	-012	25.11	21.34	-012	25.11	21.34
1/4	1/4	3/4	2-1/2	-016	32.74	27.83	-016	32.74	27.83
5/16	5/16	13/16	2-1/2	-020	44.36	37.71	-020	44.36	37.71
3/8	3/8	1	2-1/2	-024	48.14	40.92	-024	48.14	40.92
7/16	7/16	1	2-1/2	-028	76.34	64.89	-028	76.34	64.89
1/2	1/2	1	3	-032	82.03	69.73	-032	82.03	69.73
5/8	5/8	1-1/4	3-1/2	-040	132.25	112.41	-040	132.25	112.41
3/4	3/4	1-1/2	4	-048	196.70	167.20	-048	196.70	167.20

Niagara Cutter 4 Flute Corner Radius Center Cutting End Mills

List C430R

save 20%

FEATURES:
- Full CNC ground.
- General purpose end mills are ideal for most milling applications.
- Radius tolerance ±.002.
- Extra-fine grade carbide.
- Ultra-high transverse rupture strength.

Mill Dia.	Shank Dia.	Length of Cut	OAL	.015 Radius Part No. 5-431-	.015 Radius Reg. Net Price	.015 Radius NOW!	.020 Radius Part No. 5-432-	.020 Radius Reg. Net Price	.020 Radius NOW!	.030 Radius Part No. 5-433-	.030 Radius Reg. Net Price	.030 Radius NOW!
1/8"	1/8"	1/2"	1-1/2"	-91372	$28.37	$22.70	-91373	$28.37	$22.70	-91374	$28.37	$22.70
3/16	3/16	5/8	2	-91375	35.65	28.52	-91376	35.65	28.52	-91377	35.65	28.52
1/4	1/4	3/4	2-1/2	-91378	48.67	38.94	-91379	48.67	38.94	-91380	48.67	38.94
5/16	5/16	13/16	2-1/2	-91382	67.89	54.31	-91383	67.89	54.31	-91384	67.89	54.31
3/8	3/8	1	2-1/2	-91386	79.05	63.24	-91387	79.05	63.24	-91389	79.05	63.24
7/16	7/16	1	2-3/4	-91391	92.85	74.28	-91392	92.85	74.28	-91393	92.85	74.28
1/2	1/2	1	3	-91353	134.70	107.76	-91398	134.70	107.76	-91399	134.70	107.76

Niagara Cutter 4 Flute Extra Length Center Cutting Single End Mills

List C430

save 20%

FEATURES:
- Single end mills are designed for general milling operations.
- The spiral multi-flute design permits a faster and smoother cutting action.
- Longer flute length to allow deeper cuts.

Mill Dia.	Shank Dia.	Length of Cut	OAL	Part No. 1-3244T-	Reg. Net Price	SALE!
1/8"	1/8"	5/8"	2"	-001	$28.37	$22.70
1/8	1/8	3/4	3	-002	43.25	34.60
1/8	1/8	1	3	-003	43.25	34.60
3/16	3/16	1	3	-004	48.36	38.69
3/16	3/16	1-1/8	3	-005	47.90	38.32
3/16	3/16	1	4	-006	53.01	42.41
1/4	1/4	1	3	-007	55.80	44.64
1/4	1/4	1	4	-008	58.90	47.12
1/4	1/4	1-1/2	4	-009	58.90	47.12
1/4	1/4	1-1/2	6	-010	79.52	63.62
5/16	5/16	1	3	-011	70.99	56.79
5/16	5/16	1	4	-012	79.05	63.24
5/16"	5/16"	1-5/8"	4"	-013	$75.49	$60.39
5/16	5/16	1-1/2	6	-014	117.03	93.62
3/8	3/8	1	3	-015	79.52	63.62
3/8	3/8	1	4	-016	87.42	69.94
3/8	3/8	2	4	-017	87.42	69.94
3/8	3/8	1-1/2	6	-018	127.26	101.81
3/8	3/8	3	6	-019	127.26	101.81
1/2	1/2	1	4	-024	128.34	102.67
1/2	1/2	2	4	-025	128.34	102.67
1/2	1/2	1-1/2	6	-026	184.45	147.56
1/2	1/2	3	6	-027	184.45	147.56

5 Pc. Solid Carbide Burr Set

Head & Shank Diameter: 1/4"

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

Supplied in Fitted Plastic Case.

Part No. 1-338-001
Reg. Net Price $78.26
$66.52

Niagara Cutter 4 & 5 Flute M-42 8% Cobalt Roughing End Mills

save 20%

C.N.C. QUALIFIED HIGH SPEED STEEL
LIST REM-710 COARSE PITCH
TOLERANCES: +.003 - .000

For high production milling in difficult to machine materials up to 40 Rc. Made from Premium M-42 8% Cobalt steel with ground form knuckle tooth geometry that reduces drag and friction.

Mill Dia.	Shank Dia.	Length of Cut	OAL	No. of Flutes	Part No. 1-331A-	Reg. Net Price	NOW!
3/8"	3/8"	1-1/2"	3-1/4"	4	-71122	$74.56	$59.65
1/2	1/2	1-1/4	3-1/4	4	-71162	82.00	65.60
5/8	5/8	1-5/8	3-3/4	4	-71203	99.67	79.74
3/4	3/4	1-5/8	3-7/8	4	-71244	113.93	91.14
1	1	2	4-1/2	5	-71326	170.50	136.40

CLE-LINE Screw Machine Drills

save 25%

NEW!

Size	OAL	Part No. 1-050AX-	Reg. Net Price	SALE!
1/16	1-5/8	-004	$1.91	$1.43
5/64	1-11/16	-005	1.98	1.49
3/32	1-3/4	-006	2.05	1.54
7/64	1-13/16	-007	2.08	1.56
1/8	1-7/8	-008	2.11	1.58
9/64	1-15/16	-009	2.28	1.71
5/32	2-1/16	-010	2.49	1.87
11/64	2-1/8	-011	2.69	2.02
3/16	2-3/16	-012	2.83	2.12
13/64	2-1/4	-013	3.14	2.36
7/32	2-3/8	-014	3.38	2.54
15/64	2-7/16	-015	3.55	2.66
1/4	2-1/8	-016	3.68	2.76
17/64	2-5/8	-017	4.40	3.30
9/32	2-11/16	-018	4.54	3.41
19/64	2-3/4	-019	5.05	3.79
5/16	2-13/16	-020	5.18	3.89
21/64	2-15/16	-021	6.27	4.70
11/32	3	-022	6.75	5.06
23/64	3-1/16	-023	7.33	5.50
3/8	3-1/8	-024	7.67	5.75
25/64	3-1/4	-025	8.73	6.55
13/32	3-5/16	-026	8.97	6.73
27/64	3-3/8	-027	9.75	7.31
7/16	3-7/16	-028	10.03	7.52
29/64	3-9/16	-029	11.66	8.75
15/32	3-5/8	-030	12.41	9.31
31/64	3-11/16	-031	12.86	9.65
1/2	3-3/4	-032	12.99	9.74

RIGHT HAND

135° SPLIT POINT

BLACK OXIDE SURFACE TREATED
Increases abrasion resistance, reduces the amount of chip welding & improves the chip flow.

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

Huot Drill Indexes

save 50%

FEATURES:
- Folding drill holder.
- Greater accessibility.
- High quality epoxy finish.
- All-steel index securely holds drills by the shank.
- Silk screened drill identification for easy picking of drills.

#13 (1/16" - 1/4" by 64ths)
Part No. 1-030-0130
Reg. Net Price $10.85
$5.43

#20 (#61 thru #80)
Part No. 1-030-0200
Reg. Net Price $11.63
$5.82

M.A. FORD 10 Pc. Solid Carbide Standard Cut Miniature Bur Set

Part No. 5-100-71049
Reg. Net Price $99.40
$84.49

FEATURES:
- Head Diameter: 1/8"
- Shank Diameter: 1/8"
- Overall Length: 1-1/2"

SA-43 SC-42 SC-41 SD-42 SE-41 SF-41 SG-41 SM-45 SL-42 SN-42

M.A. FORD 4 Flute Premium Solid Carbide Center Cutting Miniature End Mills

Series 111

Designed for aggressive milling of most materials.

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	$108.07	$91.86	.055"	.165"	-51053	$35.37	$30.06
.010	.030	-51005	77.20	65.62	.060	.180	-51061	31.52	26.79
.015	.045	-51009	45.68	38.83	.065	.195	-51067	28.26	24.02
.020	.060	-51017	44.89	38.16	.070	.210	-51071	28.26	24.02
.025	.075	-51021	44.89	38.16	.075	.225	-51077	28.26	24.02
.030	.090	-51025	45.68	38.83	.080	.240	-51085	28.26	24.02
.035	.105	-51031	35.37	30.06	.085	.255	-51087	28.26	24.02
.040	.120	-51039	34.56	29.38	.090	.270	-51089	28.26	24.02
.045	.135	-51043	35.37	30.06	.095	.285	-51093	28.26	24.02
.050	.150	-51049	35.37	30.06	.100	.300	-51099	28.26	24.02

M.A. FORD 3 Flute TUFFCUT GP TiN Coated Solid Carbide Center Cutting End Mills

Series 116

General purpose end mills designed for aggressive milling of most materials.

Size	Shank Dia.	Flute Length	OAL	Part No. 5-100-	Reg. Net Price	NOW!
1/8"	1/8"	3/8"	1-1/2"	-11628	$18.85	$16.02
3/16	3/16	5/8	2	-11642	26.39	22.43
1/4	1/4	3/4	2-1/2	-11652	32.15	27.33
5/16	5/16	13/16	2-1/2	-11658	44.10	37.49
3/8	3/8	1	2-1/2	-11664	52.92	44.98
7/16	7/16	1	2-3/4	-11670	68.41	58.15
1/2	1/2	1	3	-11674	86.65	73.65

NEW!

M.A. FORD Uniflute Carbide Countersinks

Series 60

For use on abrasive, non-metallic & non-ferrous materials.

save 20%

FEATURES:
- Easily resharpened.
- May be used on hardened steel and work hardening alloys.
- Rigid set-ups and good machinery maintenance are a must.

Not recommended for use in hand-held tools.

Body Dia.	OAL	Shank Dia.	Part No. 5-100- 60°	82°	90°	Reg. Net Price	SALE!
1/8"	1-1/2"	1/8"	-60001	-60006	-60011	$19.58	$15.66
3/16	1-1/2	3/16	-60021	-60026	-60031	24.55	19.64
1/4	2	1/4	-60041	-60046	-60051	29.62	23.70
3/8	2	1/4	-60061	-60066	-60071	57.61	46.09
1/2	2-3/8	1/4	-60081	-60086	-60091	79.95	63.96
3/4	3	1/2	-60101	-60106	-60111	148.67	118.94
1	3	1/2	-60121	-60126	-60131	243.25	194.60

CLARKSON/OSBORN Blue Wizard Spiral Pointed Taps

Premium Taps that Customers Ask for by Name.

HIGH SPEED STEEL
GROUND THREAD
RIGHT HAND

A spiral point tap with blue surface finish for through holes in mild steel, malleable iron and difficult to machine materials, such as stainless steel and high alloyed metals.

MADE IN ENGLAND

FRACTIONAL SIZES

1/4" - 2 Flute
5/16" & Up - 3 Flute

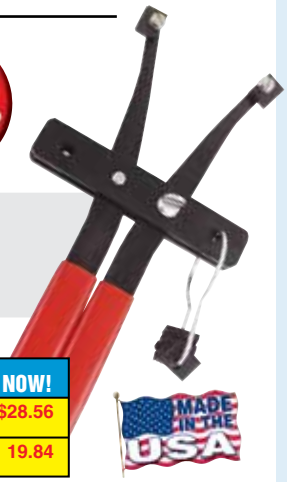
Size	Ground Thread Limits	Part No. 1-361A-	Reg. Net Price	SALE!
1/4-20 NC	H3	-0161	$13.12	$11.15
5/16-18 NC	H3	-0201	14.14	12.02
3/8-16 NC	H3	-0241	19.10	16.24
1/2-13 NC	H3	-0321	28.14	23.92

Buy In Package Quantity: 10 Per Pack

9" Internal Thread Cleaner & Restorer

save 20%

Two-handled internal rethreading tool offers double action and can be locked in place. Pouched. Weight 0.95 lb.



INCLUDES:
- 3 Popular Bits:
  - 14 TPI for 3/4" Pipe
  - 11-1/2 TPI for 1" to 2"
  - 8 TPI for up to 6" Dia.

Part No. 1-842-250
Reg. Net Price $35.11
$28.09

CUTTER SETS

Description	Threads	Part No. 1-842-	Reg. Net Price	NOW!
Standard Set	9, 10, 11, 12, 13, 16, 18, 20, 24, 27, 28,32, TPI	-300	$35.70	$28.56
Metric Set	.80, 1.00, 1.25, 1.50, 1.75, 2.00, 2.50, 3.00 pitch	-301	24.80	19.84

MADE IN THE USA

E-Z COIL Thread Repair Kits

KITS INCLUDE:
- (10) Inserts
- (1) Drill
- (1) Tap
- (1) Installation Tool
- (1) Tang Break

NEW!

Thread Size	Part No. 1-842-	Reg. Net Price	SALE!
4-40 x 1.5D	-SK20215	$50.15	$42.63
5-40 x 1.5D	-SK20315	51.69	43.94
6-32 x 1.5D	-SK20415	48.75	41.44
8-32 x 1.5D	-SK20515	50.45	42.88
10-24 x 1.5D	-SK20615	46.11	39.19
12-24 x 1.5D	-SK20715	56.58	48.09
1/4-20 x 1.5D	-SK20815	49.52	42.09
5/16-18 x 1.5D	-SK20915	55.64	47.29
3/8-16 x 1.5D	-SK21015	66.34	56.39
4-48 x 1.5D	-SK30215	51.69	43.94
6-40 x 1.5D	-SK30415	48.75	41.44
8-36 x 1.5D	-SK30515	50.45	42.88
10-32 x 1.5D	-SK30615	46.11	39.19
1/4-28 x 1.5D	-SK30815	49.52	42.09
5/16-24 x 1.5D	-SK30915	55.64	47.29
3/8-24 x 1.5D	-SK31015	66.34	56.39

RIGHT HAND
GROUND THREAD

FEATURES:
- Indexes organize 9 taps with the correct drill bit!
- Sets include plug style hand taps & jobbers drills listed.

Tap/Drill Sets

With Plug Taps

HIGH SPEED STEEL

NATIONAL COARSE

Includes Sizes	
Tap	Drill
6-32	#36
8-32	#29
10-24	#25
10-32	#21
1/4-20	#7
5/16-18	F
3/8-16	5/16
7/16-14	U
1/2-13	27/64

Part No. 1-393-101
Reg. Net Price $70.10
$59.59

NATIONAL FINE

Includes Sizes	
Tap	Drill
6-40	#33
8-36	#29
10-24	#25
10-32	#21
1/4-28	#3
5/16-24	I
3/8-24	Q
7/16-20	25/64
1/2-20	29/64

Part No. 1-393-102
Reg. Net Price $70.10
$59.59

DORMER SHARK LINE DIN ANSI Blue Shark Spiral Pointed Taps

For Stainless Steel

save 20%

TAKE A BITE OUT OF THREADING.

PLUG STYLE

NEW!

Super-B (TiAlN + 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.

Size	No. of Flutes	Ground Thread Limits	Part No. 1-351-	Reg. Net Price	SALE!
10-24 NC	3	H-3	-7350281	$28.52	$22.82
10-32 NF	3	H-3	-7350299	28.52	22.82
1/4-20 NC	3	H-3	-7350283	36.89	29.51
1/4-20 NC	3	H-5	-7350282	36.89	29.51
1/4-28 NF	3	H-3	-7350301	36.89	29.51
1/4-28 NF	3	H-5	-7350300	36.89	29.51
5/16-18 NC	3	H-3	-7350285	40.15	32.12
5/16-18 NC	3	H-5	-7350284	40.15	32.12
5/16-24 NF	3	H-3	-7350303	40.15	32.12
5/16-24 NF	3	H-4	-7350302	40.15	32.12
3/8-16 NC	3	H-3	-7350287	45.26	36.21
3/8-16 NC	3	H-5	-7350286	45.26	36.21
3/8-24 NF	3	H-3	-7350305	45.26	36.21
3/8-24 NF	3	H-4	-7350304	45.26	36.21
7/16-14 NC	4	H-5	-7350288	58.59	46.87
7/16-20 NF	4	H-5	-7350306	58.51	46.81
1/2-13 NC	4	H-3	-7350290	68.05	54.44
1/2-13 NC	4	H-5	-7350289	68.05	54.44
1/2-20 NF	4	H-3	-7350308	68.05	54.44
1/2-20 NF	4	H-5	-7350307	68.05	54.44

More information and complete listing of Dormer Shark Taps @ KBCTools.com

R&N 4 Flute Plug Hand Taps

save 20%

LIST NO. 103
RIGHT HAND
GH LIMIT - H3

HIGH SPEED STEEL
GROUND THREAD
FRACTIONAL SIZES

Size	Part No. 103-	Reg. Net Price	NOW!
1/4-20 NC	-1420-43P	$10.05	$8.04
1/4-28 NF	-1428-43P	10.05	8.04
5/16-18 NC	-51618-43P	11.63	9.30
5/16-24 NF	-51624-43P	11.63	9.30
3/8-16 NC	-3816-43P	13.34	10.67
3/8-24 NF	-3824-43P	13.34	10.67
1/2-13 NC	-1213-43P	26.37	21.10
1/2-20 NF	-1220-43P	26.37	21.10
5/8-11 NC	-5811-43P	46.61	37.29
5/8-18 NF	-5818-43P	46.61	37.29
3/4-10 NC	-3410-43P	65.60	52.48
3/4-16 NF	-3416-43P	65.60	52.48

General purpose taps widely used in through holes and where there is sufficient room at the bottom in blind holes.

Buy In Package Quantity:
1/4-20 to 3/8-24 12 Per Pack
1/2-13 to 1/2-20 6 Per Pack
5/8-11 to 3/4-16 3 Per Pack

R&N 5 Flute NPT Taper Pipe Plug Taps

LIST NO. 120G
RIGHT HAND

These taps are 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.

HIGH SPEED STEEL
GROUND THREAD

Size	Part No. 120G-	Reg. Net Price	SALE!
1/8-27	-18NPT-50P	$31.20	$26.52
1/4-18	-14NPT-50P	34.99	29.74
3/8-18	-38NPT-50P	44.74	38.03
1/2-14	-12NPT-50P	74.48	63.31
3/4-14	-34NPT-50P	108.00	91.80
1-11-1/2	-1NPT-50P	153.41	130.40
1-1/4-11-1/2	-114NPT-50P	218.37	185.61

Buy In Package Quantity:
1/8-27 to 3/8-18 6 Per Pack
1/2-14 to 1-1/4-11½ 3 Per Pack

KBC Call: 1-888-KBC-TOOL Fax: 1-800-668-5615 Web: KBCTools.com

ROCK RIVER TOOL, INC. Carbide Tipped Chucking Reamers

Dia.	Flute Length	OAL	Part No. 5-655A-	Reg. Net Price	NOW!
3/16"	1-1/8"	4-1/2"	-012	$52.16	$44.34
1/4	1-1/2	6	-016	52.16	44.34
5/16	1-1/2	6	-020	53.32	45.32
3/8	1-3/4	7	-024	55.18	46.90
7/16	1-3/4	7	-028	61.85	52.57
1/2	2	8	-032	74.56	63.38
9/16	2	8	-036	81.14	68.97
5/8	2-1/4	9	-040	84.48	71.81
11/16	2-1/4	9	-044	85.95	73.06
3/4	2-1/2	9-1/2	-048	89.98	76.48
13/16	2-1/2	9-1/2	-052	92.92	78.98
7/8	2-5/8	10	-056	100.29	85.25
15/16	2-5/8	10	-060	116.79	99.27
1	2-3/4	10-1/2	-100	122.45	104.08

FRACTIONAL SIZES

For all general reaming of steel, cast iron, non-ferrous metals, plastics and non-metals. Straight shank and straight polished flutes. Carbide tips brazed to one-piece hardened tool steel bodies.

STANDARD TOLERANCES:
Fractional ..... +.0003"/-.0000"

APT ALVORD-POLK TOOL Metric Chucking Reamers

DIAMETER TOLERANCES: +.0002"/-.0000"

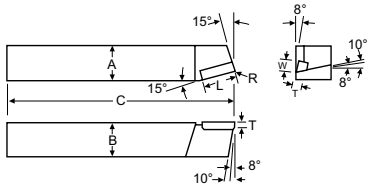
STRAIGHT FLUTE
STRAIGHT SHANK
HIGH SPEED STEEL

Designed for use in turret lathes, screw machines, drill presses and all types of machine tool equipment. Ground with a 45º chamfer.

Size MM	Flute Length	OAL	Part No. 1-136A-	Reg. Net Price	SALE!
1	1/2"	2-1/2"	-20012	$25.63	$21.79
2	3/4	3	-20031	19.96	16.97
3	7/8	3-1/2	-20050	21.48	18.26
4	1	4	-20069	25.57	21.73
5	1-1/4	5	-20090	29.11	24.74
6	1-1/2	6	-20104	32.22	27.39
7	1-1/2	6	-20119	33.69	28.64
8	1-1/2	6	-20133	33.69	28.64
9	1-3/4	7	-20142	39.49	33.57
10	1-3/4	7	-20155	41.07	34.91
11	1-3/4	7	-20162	45.53	38.70
12	2	8	-20171	46.32	39.37
13	2	8	-20179	55.36	47.06
14	2	8	-20182	58.77	49.95
15	2	8	-20185	61.46	52.24
16	2-1/4	9	-20189	83.25	70.76

MICRO 100® Carbide Toolbits
Styles AR & AL

MICRO 100 is a space age, micro grain carbide of excellent quality. It is in a class of it's own, resulting from the exclusive treating process. Considerably prolongs tool life in machining all hard stainless steels, efficiently performs in exotic metals. Provides vastly increased speed and feed rates in cutting aluminum, copper, stainless steels, high temperature alloys, thermoplastics and composites used in the aircraft industry.



Dimensions						Part No. 1-428-		Reg. Net Price	SALE!
Shank		Tip							
A-B	C	T	W	L	R	Right Hand	Left Hand		
1/4"	2"	1/16"	3/16"	1/4"	1/64"	-AR4	-AL4	$18.99	$17.09
5/16	2-1/4	1/16	1/4	5/16	1/64	-AR5	-AL5	19.30	17.37
3/8	2-1/2	1/8	1/4	1/2	1/64	-AR6	-AL6	20.15	18.14
7/16	3	1/8	1/4	1/2	1/32	-AR7	-AL7	20.85	18.77
1/2	3-1/2	1/8	1/4	5/8	1/32	-AR8	-AL8	21.24	19.12
5/8	4	5/32	3/8	3/4	1/32	-AR10	-AL10	34.72	31.25
3/4	4-1/2	3/16	7/16	13/16	1/32	-AR12	-AL12	46.27	41.64

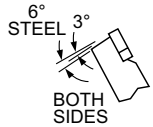
MICRO-GRAIN CARBIDE +PLUS!

Carbide Tipped Toolbits Style E

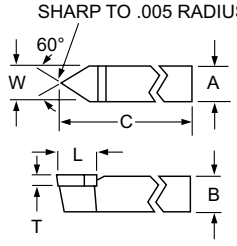
NEUTRAL 60º AMERICAN STANDARD

Grade C-5 general purpose carbide grade for steel and steel alloys.

The style E tool is designed to cut an American Standard 60° V thread. It is easily modified to cut coarser threads. As supplied, the style E tool is suitable for use in 30° angle boring bars.



SHARP TO .005 RADIUS



Shank Dimensions			Part No. 1-2445-	Reg. Net Price	NOW!
A	B	C			
5/16"	5/16"	2-1/4"	-E5	$7.33	$5.86
3/8	3/8	2-1/2	-E6	8.29	6.63
1/2	1/2	3-1/2	-E8	11.01	8.81
5/8	5/8	4	-E10	16.01	12.81
3/4	3/4	4-1/2	-E12	22.29	17.83

Unibit® Step Drills

The UNIBIT™ Step Drill uses a unique single flute design to drill perfectly round holes in thin materials quickly with less effort. It also incorporates cutting steps of progressively larger diameters and saves money because one bit can replace an entire set of costly twist drill bits.

FEATURES:
- Non-skid tip.
- Easy to sharpen.
- Automatic deburring action.
- Single cutting edge creates perfectly round holes in metal, plastic, wood and other thin materials without center punching.

Item	No. of Holes	Hole Sizes	Shank Dia.	Step Thick.	UNCOATED Part No. 1-820-	UNCOATED Reg. Net Price	UNCOATED SALE!	TiN COATED Part No. 1-820-	TiN COATED Reg. Net Price	TiN COATED SALE!
UNIBIT 1™	13	1/8"- 1/2"	1/4"	1/8"	-UNIBIT1	$40.39	$34.33	-UNIBIT1T	$53.80	$45.73
UNIBIT 2™	6	3/16"- 1/2"	1/4	3/8	-UNIBIT2	40.39	34.33	-UNIBIT2T	53.80	45.73
UNIBIT 3™	9	1/4"- 3/4"	3/8	1/8	-UNIBIT3	72.72	61.81	-UNIBIT3T	96.91	82.37
UNIBIT 4™	12	3/16"- 7/8"	3/8	1/8	-UNIBIT4	85.89	73.01	-UNIBIT4T	114.55	97.37

Superhard **TITANIUM NITRIDE (TiN)** surface treatment improves drill life, chip ejection, and productivity; decreases horsepower requirements.

Jobbers Drill Sets

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

118° POINT **RIGHT HAND**
HIGH SPEED STEEL

CLE-LINE 115 Pc. 3-in-1 Combination Set

1/16" - 1/2" by 64ths
#1 thru #60 & A to Z
Part No. 1-001AX-0115
Reg. Net Price $479.88
$383.90

KBC 29 Pc. Fractional Set

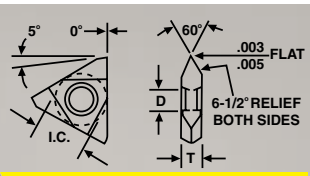
1/16" - 1/2" by 64ths w/ Index
Part No. 1-001-0290
Reg. Net Price $38.79
$31.03

TNMC Threading Inserts 60° 'V'

SCREW ON INSERT

On edge style 0° rake precision ground with double countersinks.

save 25%

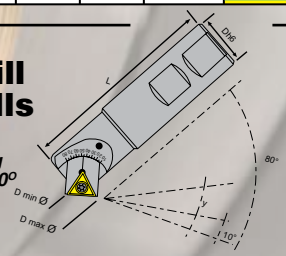


Buy In Package Quantity: 10 Per Pack

Insert Style	I.C.	Part No.	C-2 Part No. 1-2442- Reg. Net Price	C-2 SALE!	C-5 Part No. 1-2445- Reg. Net Price	C-5 SALE!	Coated Part No. 1-2448- Reg. Net Price	Coated SALE!
TNMC-32-NV	3/8"	-754	$12.92	$9.69	$13.25	$9.94	$14.51	$10.88
TNMC-43-NV	1/2	-756	14.12	10.59	15.00	11.25	15.64	11.73

Fleximill End Mills

Countersink & Chamfering Tool, 10° to 80°



TCMT 16T3 Fleximill Insert
Coated C-6 Grade

Part No. 1-293TC-012
Reg. Net Price $12.86
$10.93

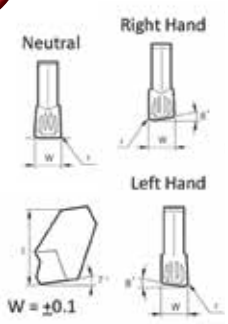
End Mill No.	D h6	L	Y	D. min. ø	D. max. ø	Part No. 1-293-	Reg. Net Price	NOW!
340 W 750	.75"	4"	10°-80°	.200"	1.00"	-151	$525.21	$446.43
340 W 1.000	1.00	4	10°-80°	.200	1.25	-152	548.50	466.23

KORLOY® SP Carbide Inserts

save 20%

NEW!

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	I	r	Part No. 1-244X-	Reg. Net Price	NOW!
SP200	.087"	.366"	.008"	-SP2	$18.15	$14.52
SP200R	.087	.366	.008	-SP2R	18.15	14.52
SP200L	.087	.366	.008	-SP2L	18.15	14.52
SP300	.122	.445	.008	-SP3	18.30	14.64
SP300R	.122	.445	.008	-SP3R	18.30	14.64
SP300L	.122	.445	.008	-SP3L	18.30	14.64
SP400	.161	.445	.010	-SP4	18.95	15.16
SP400R	.161	.445	.010	-SP4R	18.95	15.16
SP400L	.161	.445	.010	-SP4L	18.95	15.16
SP500	.201	.449	.012	-SP5	19.85	15.88

KORLOY® SPBA-S Cut-Off Blades

NEW!

save 20%

Block No.	H	W	L	h	Part No. 1-244-	Reg. Net Price	SALE!
100-S-2	1"	1/16"	4-3/8"	.827"	-009	$156.80	$125.44
100-S-3	1	3/32	4-3/8	.827	-010	156.80	125.44
100-S-4	1	1/8	4-3/8	.827	-011	156.80	125.44
100-S-5	1	5/32	4-3/8	.827	-012	156.80	125.44
125-S-2	1-1/4	1/16	6	.984	-013	156.80	125.44
125-S-3	1-1/4	3/32	6	.984	-014	156.80	125.44
125-S-4	1-1/4	1/8	6	.984	-015	156.80	125.44
125-S-5	1-1/4	5/32	6	.984	-016	156.80	125.44

KORLOY® Alpha Mill Indexable End Mill Kits

Alpha Mill Series makes both high feed and deep depth of cut machining possible with a variety of insert sizes.

FEATURES:
- Smaller inserts with 1.5x more edges accomplish high feed.
- Bigger inserts achieve better hardness and deep depth of cutting making 1.3x better MRR.
- Wider chip pocket.
- Better chip evacuation.
- Through coolant system for longer tool life with less heat.
- Screw on system for better chip control.

NEW!

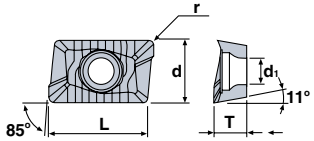
Cutting Dia.	OAL	Cutting Length	Shank Dia.	Cutting Depth	No. of Inserts	Part No. 1-244-	ONLY!	KIT INCLUDES Inserts
3/4"	3.937"	1.181"	3/4"	.433"	2	-075N	$187.55	(10) APMT11T3PDSR-MM
1	4.331	1.81	1	.354	3	-100N	204.60	(10) APMT0903PDSR-MM
1	4.528	1.378	1	.433	3	-101N	204.60	(10) APMT11T3PDSR-MM
1	4.528	1.378	1	.630	2	-102N	238.70	(10) APMT1604PDSR-MM
1-1/4	4.921	1.575	1-1/4	.630	3	-1021	272.80	(10) APMT1604PDSR-MM
1-1/2	5.118	1.654	1-1/4	.433	5	-1015	272.80	(10) APMT11T3PDSR-MM
1-1/2	5.118	1.654	1-1/4	.630	4	-1022	306.90	(10) APMT1604PDSR-MM
2	5.315	1.772	1-1/4	.630	5	-1023	341.00	(10) APMT1604PDSR-MM

KITS INCLUDE:
- Grease.
- Literature.
- (1) Cutter.
- (1) Wrench.
- (10) APMT Inserts.

More Information @ KBCTools.com

KORLOY® APXT Coated Carbide Inserts

11° Positive Rake, Parallelogram, 85° APXT



Buy In Package Quantity: 10 Per Pack

save 20%

TiN Coated (NCM-325): Excellent general purpose coated grade for heavy moderate interrupted and continuous cutting in steel & steel alloys.

Grade PC-5300: For milling of steel. Tough sub-micron substrate. Has low coefficient of frictions to prevent built-up edge.

Insert Style	Dimensions L	d	T	r	d1	TiN Coated Part No. 6-APX-	TiN Coated Reg. Net Price	TiN Coated SALE!	Grade PC-5300 Part No. 6-APX-	Grade PC-5300 Reg. Net Price	Grade PC-5300 SALE!
APXT 1035PDSR-MM	.407"	.263"	.120"	.020"	.112"	-100	$19.40	$15.52	-200	$19.40	$15.52
APXT 1604PDSR-MM	.650	.376	.227	.031	.175	-110	24.05	19.24	-210	24.05	19.24

MOOSE™

3 Pc. SDUCR Coolant-Thru Boring Bar Set

90° Boring and Facing
95° Approach

For use with 55° diamond positive clearance DCMT inserts.

SET INCLUDES:
- (3) Boring Bars: 3/8", 1/2", 5/8".
- 4-Layer Coated Carbide Inserts.
- Torx Screws.
- Torx Key.

Supplied in a fitted wooden case.

Part No. 1-428-402400
Reg. Net Price $374.02
$317.92

MOOSE™

4 Pc. SCLCR Coolant-Thru Boring Bar Set

90° Boring and Facing
95° Approach

For use with 80° diamond positive clearance CCMT inserts.

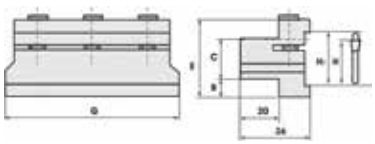
SET INCLUDES:
- (4) Boring Bars: 1/4", 5/16", 3/8", 1/2".
- 4-Layer Coated Carbide Inserts.
- Torx Screws.
- Torx Key.

Supplied in a fitted wooden case.

Part No. 1-428-400100
Reg. Net Price $444.70
$400.23

TMX Tool Blocks

1-Piece Flexible Clamp



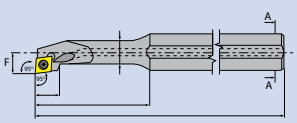
Block No.	Blade Size	C	H	H1	E	B	G	Part No. 6-895-	Reg. Net Price	NOW!
19-5	1.02"	.79"	1.02"	.830"	1.50"	.315"	3.5"	-6195	$203.75	$173.19
19-6	1.26	.79	1.26	.970	1.89	.512	4.0	-6196	212.45	180.58
25-6		1.00	1.26	.970	1.89	.315	4.3	-6256	212.45	180.58

TMX 4 Pc. Mini SI-SCLC R Indexable Boring Bar Set

FEATURES:
- 3° end cutting edge angle.
- For use with 80° diamond positive clearance CCMT inserts.

Part No. 6-871-524
Reg. Net Price $596.36
$536.72

SET INCLUDES:
- (4) Boring Bars: .315", 3/8", 1/2", 5/8".
- (10) TiN Coated Inserts: CCMT-21.51.
- (1) Spare Screw.
- (1) Torx Key.



Boring Bar Style	Shank Size d	Min. Bore	OAL	Center Line F	Insert Series
SI-0608H-SCLCR-02	.315"	.315"	4.0"	.1575"	21.51
SI-0810J-SCLCR-02	.375	.433	4.5	.2362	
SI-1012K-SCLCR-02	.500	.512	5.0	.2756	
SI-1216M-SCLCR-02	.625	.699	6.0	.3543	

BORITE

Indexable Boring Bar Sets

FEATURES:
- New cutting edge by simply indexing the insert.
- Chip breaker eliminates long stringer chips. Round shanks allow positive or negative rake.
- All tools take one size insert and screw.

Set #1
Part No. 1-512-720
Reg. Net Price $214.83
$193.35

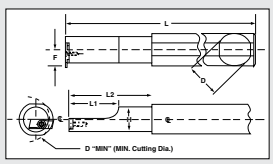
Set #2
Part No. 1-512-725
Reg. Net Price $368.05
$331.25

Set #3
Part No.1-512-730
Reg. Net Price $555.43
$499.89

Description	Shank Dia.	OAL	Bore Depth	Min. Bore
Set #1	.500"	2-3/4"	1-1/4"	7/16"
		3-5/8	2-1/8	7/16
		3	1-1/2	1/2
		4	2-1/2	1/2
Set #2	.625	3	1-1/4	7/16
		3-7/8	2-1/8	7/16
		3-1/4	1-1/2	1/2
		4-1/4	2-1/2	1/2
		3-1/2	1-3/4	9/16
		4-5/8	2-7/8	9/16
Set #3	.750	3-3/8	1-3/8	7/16
		4-1/4	2-1/4	7/16
		3-5/8	1-5/8	1/2
		4-5/8	2-5/8	1/2
		3-7/8	1-7/8	9/16
		5	3	9/16
		4-1/4	2-1/4	11/16
		5-1/2	3-1/2	11/16

NIKCOLE MINI-SYSTEMS Grooving & Cut-Off System

For Grooving & Cut-Off Under .078" Width



Internal Tool Holders

Holder No.	D	H	L	L1	L2	Part No. 1-293-	Reg. Net Price	SALE!
THI-7-3/4-R	.75"	.75"	5.50"	1.00"	2.00"	-007	$173.15	$155.84
THI-7-3/4-L						-008	173.15	155.84
THI-7-1.00-R	1.00"	.75"	6.00"	1.25"	2.50"	-009	201.26	181.13
THI-7-1.00-L						-010	201.26	181.13

Tool Holders

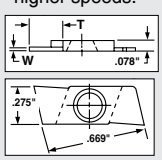
Note: Right handed inserts can only be used with right hand holders. Left handed inserts can only be used with left hand holders.

Holder No.	A*	L	Part No. 1-293-	Reg. Net Price	SALE!
THE-7-3/8-R	.375"	4.50"	-001	$110.41	$99.37
THE-7-3/8-L			-002	110.41	99.37
THE-7-1/2-R	.500	4.50	-003	110.41	99.37
THE-7-1/2-L			-004	110.41	99.37
THE-7-5/8-R	.625	5.00	-005	120.46	108.41
THE-7-5/8-L			-006	120.46	108.41

* Square.

TiN Coated Grooving Inserts

TiN Coated: Recommended for machining steels, cutting-off and grooving at higher speeds.



Insert No.	W*	T	Part No. 1-293T-	Reg. Net Price	SALE!
GIE-7-SG-0.5-R	.019"	.100"	-001	$30.34	$27.31
GIE-7-SG-0.5-L			-002	30.34	27.31
GIE-7-SG-0.7-R	.027	.100	-003	30.34	27.31
GIE-7-SG-0.7-L			-004	30.34	27.31
GIE-7-SG-0.8-R	.031	.100	-005	30.34	27.31
GIE-7-SG-0.8-L			-006	30.34	27.31
GIE-7-SG-0.9-R	.035	.100	-007	30.34	27.31
GIE-7-SG-0.9-L			-008	30.34	27.31
GIE-7-SG-1.1-R	.043	.235	-009	30.34	27.31
GIE-7-SG-1.1-L			-010	30.34	27.31
GIE-7-SG-1.3-R	.051	.235	-011	30.34	27.31
GIE-7-SG-1.3-L			-012	30.34	27.31
GIE-7-SG-1.6-R	.063	.235	-013	30.34	27.31
GIE-7-SG-1.6-L			-014	30.34	27.31
GIE-7-SG-1.85-R	.073	.235	-015	30.34	27.31
GIE-7-SG-1.85-L			-016	30.34	27.31

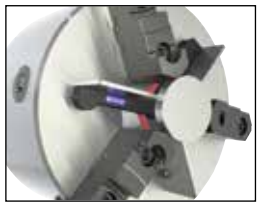
* +.0009"/-.0000"

EDGE TECHNOLOGY Chuck Stop Set

Designed to locate shorter parts beyond the chuck jaws to provide clearance for facing operations.

NEW!

FEATURES:
- The chuck stop includes 10 sets of different height parallel bars to achieve the required spacing. Parallel bar heights from 1/2" to 1-5/8" in 1/8" increments. 0.0002" parallelism accuracy. Supplied in a case.
- A centering plug is used to keep the unit centered to the ID of the chuck and strong neodymium magnets secure it to the face of the chuck. The included centering plug diameters are 1.4", 2", 2-1/2", 3", 3-1/2", and 4".
- The chuck stop is 6" in diameter. For use on 6" diameter chucks and larger.



Part No. 1-811-30000
Reg. Net Price $310.00 **$263.50**

Designed for 3 jaw chucks only.

EDGE TECHNOLOGY Vise Jaw Stop

NEW!

The most advanced jaw stop to date!

FEATURES:
- Fits all milling machine vises with 1/2"-7/8" thick jaws and 1/8" minimum protrusion.
- 1-1/8" wide body with 2 hardened steel guide pins and large #10 clamp screw.
- 8-32 non-marring flat point set screws are used to secure stop rod.
- Body is made from anodized aluminum.
- The stop pin is positioned completely below the top surface of vise jaw.
- 1/8" x 2" hardened, adjustable side-to-side stop pin is used to accurately locate workpieces.

More Information @ KBCTools.com

Part No. 1-811-14000
Reg. Net Price $38.73 **$34.86**

EDGE TECHNOLOGY Pro Mill Stop Table Mount

FEATURES:
- Table Slot Width: 5/8"
- Versatile design rod to be quickly and accurately positioned.
- Stop rod stays parallel to the milling machine table
- Lever arm can be rotated for cutter clearance and accurately relocated for repeat setup. (loosening and retightening of screw is required)
- Large 1/2"-13 bolt used to rigidly attach lever arm to base.
- Base of unit is keyed to T-slot in table.
- Non-marring 1/4"-20 nylon tip set screw.
- Non-marring 1/4"-20 flat point set screw.

NEW!

Part No. 1-811-16000
Reg. Net Price $92.98 **$83.68**

More Information @ KBCTools.com

Includes T-Nut.

PALMGREN a CH Hanson brand Multi-Jaw Rotating Bench Vise

FEATURES:
- Eight locking pin stops hold the rotating head in a desired position during set-up.
- The head and base rotate a full 360º.

INCLUDES:
- A built-in anvil and bolt lugs in the base for secure mounting.
- (3) Sets of replaceable, hardened steel jaws for holding flat or round stock.

Part No. 1-549-29503
Reg. Net Price $513.05 **$436.09**

SPECIFICATIONS:

Jaw Width / Depth	5-1/8" / 3-1/2"
Jaw Opening:	
Top Jaw	4"
V-Jaw	5-1/4"
Pipe Jaw	3"
Pipe Capacity	2-1/2"
Height	10-5/8"
Weight	56 lbs.

PALMGREN a CH Hanson brand Low Profile Drill Press Vises

Save 20%

FEATURES:
- Replaceable jaws.
- Movable jaw on the DPL30 & 40 has a vertical and horizontal V-groove.
- DPL60 smooth jaw; DPL80 stepped jaw.
- Base has four 1/2" shoulder slots for quick, easy positioning on drill press tables.

Model DPL40

Model No.	Jaw Width	Jaw Depth	Jaw Opening	Height	Weight (lbs.)	Part No. 1-549-	Reg. Net Price	SALE!
DPL30	3"	1-1/8"	3"	2-7/16"	10	-DPL30	$82.15	$65.72
DPL40	4	1-1/2	4	2-7/8	15	-DPL40	125.55	100.44
DPL60	6	2	6	3-9/16	34	-DPL60	285.20	228.16
DPL80	8	2	8	3-9/16	54	-DPL80	430.90	344.72

TE-CO Single Station Machine Vises

Limited LIFETIME WARRANTY

FEATURES:
- Stationary jaw has machined keyway for alignment of the vise and includes alignment rail for quick setups.
- Hardened vise bed and jaw plates.
- Outside rail edges of the body are machined.
- More robust main screw that can handle higher torque loads and transmit higher clamping pressure.
- Footprint and distance from keyway to stationary jaw same as major competitor.
- Sealed bearing systemreduces clamping pressure and increases bearing life.

REPEATABILITY 0.001"

6" VISE FEATURES:
- The largest opening in its class of 9".
- The angled slide and locking jaw design prevents lifting of the moveable jaw.
- Up to 8,200 lbs. of clamping force.
- Bed height matched to size 2-7/8" (73.025mm) +/- 0.0005".

SPECIFICATIONS:

Max. Jaw Opening	9"
Jaw Width	5.94"
Jaw Depth	1.75"
Vise Length	17.206"
Vise Width	8.77"
Weight	81 lbs.

Part No. 1-903-PWS6900
Reg. Net Price $804.45 **$683.78**

8" VISE FEATURES:
- The largest opening in its class of 11".
- An angled slide and locking jaw are designed to prevent lifting of the moveable jaw.
- The 4 bolt design on the stationary jaw reduces deflection by 25%.
- Up to 12,000 lbs. of clamping force.
- Bed height matched to size 3.310" (84.07mm) +/- 0.0005".

SPECIFICATIONS:

Max. Jaw Opening	11"
Jaw Width	8"
Jaw Depth	2.2"
Vise Length	21.81"
Vise Width	11.5"
Weight	175 lbs.

Part No. 1-903-PWS8110
Reg. Net Price $1,956.10 **$1,760.49**

Spring Loaded Live Centers

CONCENTRIC LIVE CENTERS

MADE IN THE USA

STANDARD POINT 60°

FEATURES:
- Low-profile design gives less overhang, greater load capacity, increased rigidity.
- Needle bearing distributes stress for up to 5,500 lbs. radial load capacity, extends life 2-3 times that of conventional live centers, and provides turning accuracy up to 0.0002".
- Spring-loaded compensates for work expansion or contraction; maintains constant tailstock thrust; eliminates jamming.
- Smaller turning radius allows higher RPM's with lower bearing speeds.

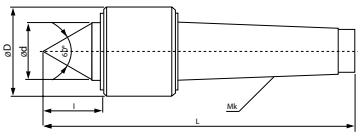
Morse Taper	Thrust to Bottom Spring (lbs.)	Radial Load Capacity (lbs.)	Spring Travel	Part No. 1-533-	Reg. Net Price	NOW!
2	120	1,400	3/32"	-020	$424.70	$382.23
3	290	1,850	1/8	-021	486.70	438.03
4	420	2,500	5/32	-022	595.20	535.68

Heavy Duty Precision Live Centers

SKODA

MOST POPULAR LIVE CENTERS IN THE USA!

FEATURES:
- A heavy-duty ball thrust bearing takes all axial thrust.
- The rotating spindle is extended right through the tapered shank.
- Complete protection of bearings from the ingress of coolant, dirt and dust is provided by the built-in oil-seal, which also prevents loss of lubricant.
- Two specially designed adjustable needle-roller bearings carry all radial loads.



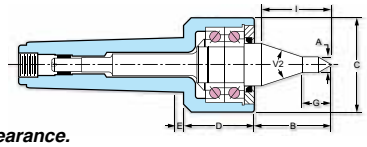
MADE IN CZECH REPUBLIC

Morse Taper	D	d	L	l	Max. Speed (RPM)	Max. Workpiece Weight (lbs.)	Net Weight of Center (lbs.)	Part No. 1-506-	Reg. Net Price	NOW!
3	1.85	1.18	6.38	1.26	5,000	900	1.75	-300	$315.60	$268.26
4	2.17	1.38	7.64	1.48	4,000	1,800	3.00	-400	401.40	341.19

Regal Live Centers

Riten

LONG POINT



MADE IN THE USA

Long Point configuration allows for tool clearance.

Morse Taper	A	B	C	D	E	G	V2	l	Max. Speed (RPM)	Max. Work Piece Weight (lbs.)	Part No. 1-435-	Reg. Net Price	SALE!
2	3/8"	1-7/8"	2-3/8"	1-3/4"	1/4"	5/8"	34	1-21/32"	4,000	310	-48102	$455.70	$387.35
3	3/8	1-7/8	2-3/8	1-3/4	1/4	5/8	34	1-21/32	4,000	310	-48103	523.90	445.32
4	1/2	2-7/32	3	1-31/32	3/8	13/16	34	2	4,000	1,100	-48104	682.00	579.70
5	1/2	2-1/2	3-1/16	2-3/32	9/32	15/16	40	2-5/32	5,000	1,100	-48105	936.20	795.77

FEATURES:
- Heavy-duty bearing design.
- Accuracy guaranteed to ± .0001.
- Points are through-hardened to 61-63 Rc.
- Full length spindle for extra rigidity.
- Bodies are heat-treated for additional strength.
- Double row of angular contact bearings for superior performance.

YOST VISES

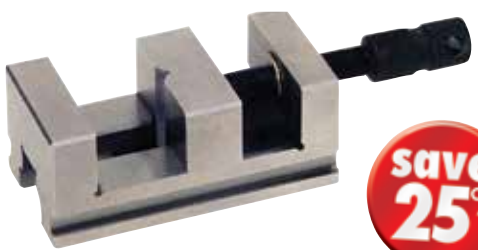
Utility Combination Pipe & Bench Vises

FEATURES:
- Made of structural cast steel.
- No pinch main screw handle.
- Finished with black, wrinkle paint.
- Full 360° swivel base with 2 lockdowns.
- Replaceable hardened steel serrated top jaws.
- Permanent pipe jaws and a large reinforced anvil.

Vise No.	Jaw Width	Jaw Opening	Pipe Clamping	Throat Depth	Weight (lbs.)	Part No. 1-554-	Reg. Net Price	NOW!
904-AS	4"	4"	1/4" to 1-1/2"	2-1/4"	17	-100	$173.60	$147.56
905-AS	5	5	1/2" to 1-1/2"	2-5/8	24	-105	227.85	193.67

Toolmakers Precision Steel Vise

KBC



Save 25%

FEATURES:
- Single piece construction with V-grooved jaws.
- All surface including jaws and base are precision ground square and parallel.
- Clamping slots at bottom easily affix to angle plates, etc.

Part No. 2-466-000
Reg. Net Price $115.80
$86.85

Made from hardened alloy steel.

SPECIFICATIONS:
Jaw Width ..... 2-3/8"
Jaw Depth ..... 1"
Max. Jaw Opening ..... 2-1/8"
Body Length ..... 4-3/8"
Weight ..... 3.3 lbs.

5 Pc. Tool Post & Holder Starter Sets

ALDRIS

Save 20%

MADE IN THE USA

5 Pc. Sets Consist of the Following (Each Includes Tool Post):

Series	Swing	Holders Included	Part No. 1-531-	Reg. Net Price	SALE!
AXA	up to 12"	AXA-1, AXA-2, AXA-4D, AXA-7	-1BS	$1069.59	$855.67
BXA	10 — 15	BXA-1, BXA-2, BXA-4D, BXA-7	-2BS	1247.04	997.63

NOTE: *Prices Do Not Include Cutting Tools.*

Standard Drill Sleeves

FEATURES:
- Hardened and precision ground for high concentricity.
- Designed to be used with taper shank tools, providing accurate alignment between the members.

Morse Taper Hole	Morse Taper Outside	Part No. 1-5142-	Reg. Net Price	NOW!
1	3	-010	$11.80	$10.03
2	3	-015	11.80	10.03
2	4	-025	20.40	17.34
3	4	-030	20.40	17.34
3	5	-045	27.70	23.55
4	5	-050	27.70	23.55
5	6	-060	71.80	61.03

8" Three-Jaw Self-Centering Scroll Chuck

SEMI-STEEL BODY

save 20%

DIRECT MOUNTING
D-1 CAMLOCK SERIES
with Two Piece Reversible Jaws

The advantage of using a direct mount is extra working capacity on the lathe due to shorter overall length with the integral camlock mount.

SPECIFICATIONS:
Chuck Diameter ..... 8"
Spindle D1-5
Weight ..... 42 lbs.

Part No. 9-310-007
Reg. Net Price $555.89
$444.71

LFA® Key-Type Super Chucks

Equipped with a sliding ring. All components are hardened and ground for accuracy. Super holding and friction free movement for heavy duty drilling.

Chuck Model	Jacobs Equiv.	Capacity	Tapered Mount	Jacobs Key	Part No. 1-507-	Reg. Net Price	SALE!
43S-6A	—	0 to 1/2"	33JT	K3	-512	$129.35	$109.95
83S-6A	14N	0 to 1/2	3JT	K3	-513	184.67	156.97
84S-6A	16N	1/32 to 5/8	3JT	K3	-514	207.12	176.05

Supra-SK E Keyless Drill Chuck

Keyless self-tightening drill chuck suitable for percussion drilling on hand-operated power tools.

FEATURES:
- Robust design. Stressed components made from steel.
- No throughhole. Chuck must be tightened onto spindle with high torque.
- Retention of the clamping force even when used under difficult conditions.
- Lightweight design for powerful cordless and corded power tools.
- Clamping and radial locking possible in one single movement.

MADE IN GERMANY

NEW!

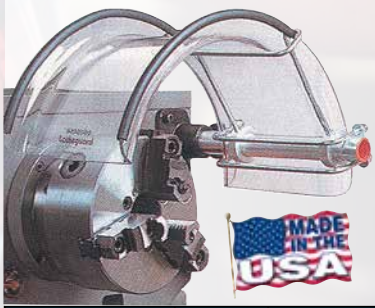
SPECIFICATIONS:
Size Capacity ..... 1/32-1/2"
Thread Mount ..... 1/2"-20

Part No. 1-507-1193005
Reg. Net Price $125.55
$106.72

LATHEGUARD

Neither razor-sharp chips nor broken tool bits will penetrate the Lexan® shield!

Prevent Accidents with LATHEGUARD!



INCLUDES:
- Latheguard Shield
- Extension Tube with Hardware
- Mounting Bracket

FEATURES:
- Rib reinforced.
- Lightweight with robust construction.
- Swings away easily.
- Shield backing is reinforced with plated wire-form housing.
- Locks in swing away or functional positions.

Suggested Lathe Size	Center Height	Use With Chucks	Part No. 1-495-	Reg. Net Price	NOW!
Very Small Lathes	3.9"	Up to 6" Dia.	-12999	$242.93	$218.64
6 to 12	6	Up to 8	-13060	320.89	288.80
12 to 16	8	Up to 12	-13061	339.88	305.89
16 to 20	10	Up to 16	-13062	370.26	333.23
20 to 24	13	Up to 20	-13064	427.22	384.50

Safety Self-Ejecting Lathe Chuck Keys

save 30%

FEATURES:
- Prevent damage to your expensive machines.
- Heavy-duty construction.
- Hardened and tempered.
- Made to fit all makes of chucks.

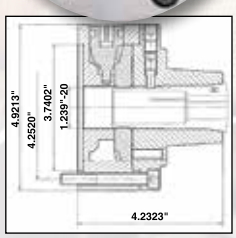
Size of Squares	Part No. 1-397-	Reg. Net Price	SALE!
1/4"	-037S	$37.45	$26.22
5/16	-038S	39.55	27.69
3/8	-039S	43.60	30.52
7/16	-040S	46.35	32.45
1/2	-041S	51.62	36.13
9/16	-042S	56.60	39.62

5" 5C Collet Chuck

NEW!

save 20%

FEATURES:
- Forged steel chuck used for turning, facing, boring, grinding and milling operations.
- Designed for use with all 5C collets.
- Maximum Speed: 6,000 RPM.



MADE IN POLAND

Part No. 3-862-0501P
Reg. Net Price $740.98
$592.78

4" 5C Three-Jaw, Self-Centering Precision Chuck

Eliminates tearing down a collet set up on a lathe when working with material diameters that you don't have the correct size for .003" T.I.R.

save 20%

SPECIFICATIONS:
O.D Clamping Range .... 5/64 to 3-5/32"
I.D. Holding Range .... 1-3/16 to 3-35/64
Hole Size 5C Back ..... .3/4"
Hole Size thru Chuck..... 7/8"
Weight ..... 9 lbs.

Extra Chuck Jaws & Chuck Key Included.

TECHNIKS BUILT FOR SPEED

CAT 40 V-Flange Keyless Drill Chuck

FEATURES:
- Powerful drawbar holds chuck tight.
- Replaceable chuck is held by a drawbolt.
- 3x more holding power than other chucks.
- Holds non-standard shank sizes up to 1/2".

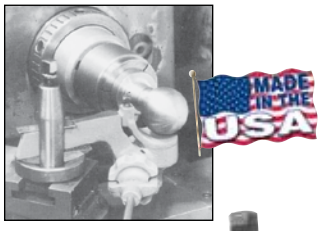
1/2" Drill Chuck
Projection 4" / Diameter 2.5"
Part No. 7-520-22403
Reg. Net Price $350.46
$315.41

TECHNIKS CERTIFIED ACCURACY BALANCE

EAGLE ROCK Shaplane Radius Tool

Precision Radius Tools For Shapers, Planers, Boring Mills, Engine and Turret Lathes!

FEATURES:
- Rigid cast iron construction.
- Fully enclosed gearing to prevent chips or foreign matter.
- Uses 1/4" square tool bits (except 1-553-625 uses 3/8").



CONCAVE RADII

Radius Capacity (min.)	Shank Size	For Lathes Swing	Part No. 1-553-	Reg. Net Price	SALE!
3/8"	1" x 3/8" x 4"	9 - 13"	-610	$529.01	$449.66
3/4	1 x 3/8 x 4	9 - 13	-615	529.01	449.66
1/2	1-1/4 x 9/16 x 6	13 - up	-620	577.22	490.64
1	1-1/4 x 9/16 x 6	13 - up	-625	577.22	490.64

CONVEX RADII

Radius Capacity (max.)	Shank Size	For Lathes Swing	Part No. 1-553-	Reg. Net Price	SALE!
1-5/8"	1" x 3/8" x 4"	9 - 13"	-600	$529.01	$449.66
2-1/2	1-1/4 x 9/16 x 6	13 - up	-605	577.22	490.64

Boring Head & Carbide Tipped Boring Bar Sets

With R8 Removable Shank

KBC

12 PC. C-6 BORING BAR SET INCLUDES:

Shank Dia.	Min. Bore	Bore Depth	Shank Dia.	Min. Bore	Bore Depth
3/4"	7/16"	1-1/4"	3/4"	11/16"	1-7/8"
	7/16	1-11/16		11/16	2-13/16
	7/16	2-1/4		11/16	3-3/4
	9/16	1-1/2		13/16	2-1/4
	9/16	2-1/4		13/16	3-3/8
	9/16	3		13/16	4-1/2

3" Dia. Boring Head
(1-1/2"-18 Mount) w/
12 Pc. C-6 Boring Bar Set
Part No. 1-800-923B
Reg. Net Price $299.35
$254.45

9 PC. C-6 BORING BAR SET INCLUDES:

Shank Dia.	Min. Bore	Bore Depth
1/2"	5/16"	3/4"
	5/16	1-1/8
	5/16	1-1/2
	7/16	1-1/8
	7/16	1-11/16
	7/16	2-1/4
	9/16	1-1/2
	9/16	2-1/4
	9/16	3

2" Dia. Boring Head
(7/8"-20 Mount) w/
9 Pc. C-6 Boring Bar Set
Part No.
1-800-922B
Reg. Net Price $213.57
$181.53

The Premier R8 Collet Rack

The Original R8 Collet Saver!

FEATURES:
- Ideal accessory for Bridgeport Series I and other similar mills.
- Will not mar or damage collets.
- Made of high strength materials for tried and proven durability.
- Holds a complete set of twelve R8 collets.
- Pick out sizes at a glance.
- Easy to install - no holes to drill and tap.
- Attaches in minutes to machines or benches.
- Protects collet shanks from chips and coolant.

Part No. 1-588-125
Reg. Net Price $51.07
$43.41

R8 Round Collet Sets

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

KBC

13 Pc. Inch Set
1/8" to 7/8" by 16ths
Part No. 1-519-020
Reg. Net Price $131.75
$111.99

19 Pc. Metric Set
2mm to 20mm by 1mm
Part No. 1-519-019
Reg. Net Price $193.05
$164.09

R8 Shank ER32 Collet Chuck

tmx

FEATURES:
- Round Nut
- Collet changes minimized due to large holding range of each collet.
- Concentricity guaranteed to 0.0004".
- Exclusive self-releasing system reduces sticking.

SPECIFICATIONS:
Gage Length ..... 2.28"
Diameter ..... 1.97"
Overall Length ..... 6-1/4"
Drawbar Thread ..... 7/16"-20

Part No. 7-171-3008
Reg. Net Price $223.13
$189.66

A Handy Accessory For Lathe Collets.

Part No. 1-850-Z9552
Reg. Net Price $380.60
$304.48

Attachment back
MADE IN USA.
The chuck is imported.

Huot ToolScoot™ CNC Tool Cart

40 BT, CAT V-Flange,
NMTB / Tool Cap. 48
Part No. 1-030-13940
Reg. Net Price $757.95
$644.26

WEIGHT: 75 lbs.
DIMENSIONS: 18" (W) x 35-1/4" (L) x 35" (H)

FEATURES:
- Heavy-duty 5" x 1-1/4" casters load rated at 1,000 lbs.
- All steel painted with durable Ecolo-Clad in red and black.
- Durable nylon inserts on shelves help protect tool holders.
- (2) End storage trays with universal mounting holes for tool lock.
- Lower shelf angled for quick, easy tool access from either side.
- Solid, interlocking side panel construction for maximum strength and stability.

MADE IN THE USA

Quality and mobility at an affordable price!

Major Credit Cards Accepted: VISA MasterCard AMERICAN EXPRESS

Subscribe @ KBCTools.com to Get Exclusive Email Offers.

CGW CAMEL GRINDING WHEELS

Depressed Center Wheels

TYPE 27

CFO CONTAMINATE-FREE Iron, Sulfur and Chlorine ≤ 0.1%

1/8" CUTTING/NOTCHING WHEELS

METAL

A24R: Aluminum oxide grain. R-grade bond for fast cutting and long life. Works well on steel, cast iron, and welds.

Size	Max. RPM	Part No. 1-602-	Reg. Net Price	SALE!
4-1/2" x 1/8"x 7/8"	13,300	-35612	$2.90	$2.47
5 x 1/8 x 7/8	12,250	-35675	3.60	3.06
7 x 1/8 x 7/8	8,600	-35634	5.30	4.51

1/4" GRINDING WHEELS

METAL

A24N *Fast Cut* Aluminum Oxide Grain: Soft N-grade bond for fast stock removal. Excellent ratio of stock removal/wheel loss. Economical choice for metal and low-grade stainless.

Size	Max. RPM	Part No. 1-602-	Reg. Net Price	SALE!
4" x 1/4"x 5/8"	15,300	-35699	$1.95	$1.66
4-1/2 x 1/4 x 7/8	13,300	-35622	2.40	2.04
7 x 1/4 x 7/8	8,600	-35642	4.65	3.95

STAINLESS/METAL

WA24S: White aluminum oxide grain with S-grade bond. *Contaminate Free* wheel for fast cutting of stainless steel, ferrous metal, food grade, & nuclear applications. Contains ≤ 0.1% iron, sulfur, or chlorine for rust-free and corrosion-free results.

Size	Max. RPM	Part No. 1-602-	Reg. Net Price	SALE!
4-1/2" x 1/4"x 7/8"	13,300	-35673	$4.10	$3.49
5 x 1/4 x 7/8	12,250	-37543	5.20	4.42
7 x 1/4 x 7/8	8,600	-35677	7.35	6.25

ALUMINUM

A30N: Aluminum oxide grain. Type 27 grinding wheels for aluminum guaranteed to outperform competitors. Soft N-grade bond for easy grinding of welding seams, sprues, and cast iron skin. For aluminum, copper, zinc, and other soft materials.

Size	Max. RPM	Part No. 1-602-	Reg. Net Price	SALE!
4-1/2" x 1/4"x 7/8"	13,300	-36107	$6.75	$5.74
5 x 1/4 x 7/8	12,200	-36109	8.55	7.27
7 x 1/4 x 7/8	8,600	-36111	13.15	11.18

CGW CAMEL GRINDING WHEELS

Flap Wheels

PREMIUM ALUMINUM OXIDE

1/4" SHANKED

FEATURES:
- Premium quality aluminum oxide on a flexible X-weight cotton backing for long working life.
- Use on ferrous & non-ferrous metals.
- Flexible, yet strong flaps for easy working on hard-to-reach places.
- Fast and cool-cutting action.

Dia.	Face Width	Max. RPM	Grit	Part No. 1-619-	Reg. Net Price	NOW!
3/4"	3/4"	30,000	60	-71000	$3.35	$3.02
3/4	3/4	30,000	80	-71001	3.35	3.02
3/4	3/4	30,000	120	-71002	3.35	3.02
1	1	30,000	60	-71034	2.90	2.61
1	1	30,000	80	-71035	2.90	2.61
1	1	30,000	120	-71036	2.90	2.61
1-1/2	1	25,000	60	-71041	3.75	3.38
1-1/2	1	25,000	80	-71042	3.75	3.38
1-1/2	1	25,000	120	-71043	3.75	3.38
2	1	25,000	60	-71089	4.15	3.74
2	1	25,000	80	-71090	4.15	3.74
2	1	25,000	120	-71091	4.20	3.78

CGW CAMEL GRINDING WHEELS

Bench & Pedestal Grinding Wheels

BROWN ALUMINUM OXIDE

General purpose off-hand work.

Size	Max. RPM	Part No. 1-595- 24-Q Grit	36-M Grit	36-O Grit	46-M Grit	60-M Grit	80-M Grit	Reg. Net Price	SALE!
6" x 3/4"x H	4,456	—	-35009	—	-35010	-35011	-35012	$21.85	$18.57
6 x 1 x H	4,456	—	—	-35018	-35019	-35020	-35021	25.15	21.38
7 x 1 x H	3,760	-35034	-35035	—	-35036	-35037	-35038	29.85	25.37
8 x 1 x H[4]	3,600	-35046	—	-35047	-35048	-35049	-35050	38.00	32.30

Formax MANUFACTURING CORP.

Abrasive Belt Grease Stick

No. F-90 White Tallow Base Lubricant with a High Melting Point.

Pure tallow base mixture, serves as lubricant and also fills and closes the belt with a heavy bodied grease film. When applied to fine grit size coated abrasive belts, it permits a glazing or burnishing action. When applied to coarse grit belt operations the grease film is heavy enough to stay on the belt under severe conditions.

2-1/2" x 8" Tube
Part No. 1-442-F90
Reg. Net Price $10.15

$9.14

MADE IN THE USA

SUPERIOR ABRASIVES

SHUR-BRITE® Surface Conditioning Discs

FD Quick Change Discs - Type "S"

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

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

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

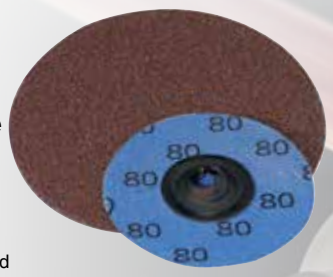
STRONGER - QUICKER - RELIABLE - LONGEVITY.

Size	Grit	Color	Part No. 1-613-	Reg. Net Price	NOW!
2" 50/box	Coarse	Brown	-10544	$1.37	$1.23
	Medium	Red	-10545	1.29	1.16
	Very Fine	Blue	-10546	1.29	1.16
	Super Fine	Gray	-38457	1.29	1.16

SUPERIOR ABRASIVES

SHUR-KUT® Quick Change Discs Type "S"

PREMIUM ALUMINUM OXIDE



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

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

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

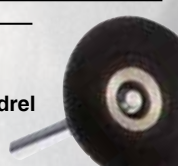
Size	Grit	Part No. 1-613-	ONLY! (per disc)
2" 100/box	24	-11110	$.76
	36	-11111	.74
	40	-11112	.71
	50	-11113	.71
	60	-11114	.66
	80	-11115	.66
	100	-11116	.67
	120	-11117	.67
	180	-11119	.67

SUPERIOR ABRASIVES

2" Turn-On Disc Holders

Type "S" with Mandrel

1/4" SHANK



Interchangeable with **3M** Roloc TS discs, Merit Type II Twist-On, Norton Speed-Lok

Medium Density
Part No. 1-613-11173

$8.88

STANDARD ABRASIVES Convolute Wheels

General Purpose

NEW!

FEATURES:
- Non-woven construction that is less rigid and more conformable, and designed to provide better control on various surface configurations.
- Silicone Carbide (SC) - cuts fast and leaves a finer finish. Best used for finishing applications.
- Ideal for doing a wide range of jobs; light to medium deburring, edge radiusing, cleaning/finishing, light defect removal.

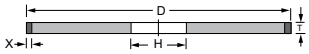
Size	Max. RPM	Part No. 1-631-	Reg. Net Price	SALE!
6"x 1/2"x 1"	6,000	-850373	$58.44	$49.67
6 x 1 x 1	6,000	-850374	83.55	71.02
8 x 1/2 x 3	4,500	-850375	70.99	60.34
8 x 1 x 3	4,500	-850376	104.50	88.83

9SF GRADE, S/C GRAIN, FINE GRIT

6" Straight Diamond Wheels Type "1A1"

save 20%

FEATURES:
- 150 Grit, 100 Concentration
- Resin bonded.



KBC

Use for tool and cutter and surface grinding applications for carbide, ceramics, and other exotic materials.

Thick. T	Depth X	Hole H	Part No. 1-640-	Reg. Net Price	NOW!
1/16	1/8	1-1/4	-145	$144.80	$115.84
1/8	1/8	1-1/4	-146	147.25	117.80
1/4	1/8	1-1/4	-147	235.99	188.79
3/8	1/8	1-1/4	-155	303.80	243.04
1/2	1/8	1-1/4	-156	376.65	301.32

Nicholson 6 Pc. 4" American Pattern File Set

BASTARD CUT

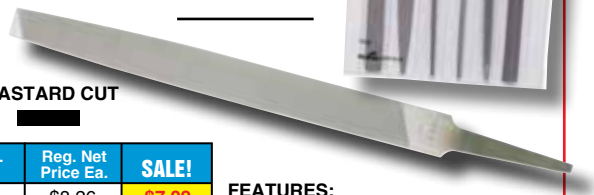
INCLUDES (1 EA.):
- Warding File
- Half-Round File
- Round File
- Hand File
- Square File
- Slim-Taper

Six of the Most Popular 4" Files Packaged in Plastic Pouch.

Part No. 1-552-22062
Reg. Net Price $79.16
$67.29

Nicholson Mill Files

BASTARD CUT



Size	Per Box	Part No. 1-552-	Reg. Net Price Ea.	SALE!
6"	12	-08354	$8.26	$7.02
8	12	-08497	9.97	8.47
10	12	-08642	12.77	10.85
12	6	-08737	20.82	17.70

FEATURES:
- Two square edges.
- Single cut on edge and sides.
- File tapers toward the point for detail.

NOGA MULTIBURR

save 30%

INCLUDES:
- **S10 Blade -** Works best on steel, aluminum and plastic.
- **D50 Scraper Blade -** Ideal for tool and die makers.
- **N2 Blade -** Works best on brass and cast iron.
- **Rotodrive Countersink Blade -** Range 1-10.4mm, 90° angle.

Four of the Most Popular Multi-Purpose Blades in One Innovative Tool Set.

The handy universal deburring set with multi-purpose blades will help you produce a perfect finish for a wide variety of jobs. This innovative tool set has four folding shafts that can be locked into position during use and then folded neatly back into handle, allowing the tool to be carried simply anywhere.

Model RG1000
Part No. 1-457-400
Reg. Net Price $86.10
$60.27

NEW!

TRIUMPH PLUS 1" Shop Rolls

50 YARD LENGTHS
ALUMINUM OXIDE

FEATURES:
- Material is easily torn to the length and/or shape needed.
- Flexible backing for longer working life.
- High quality friable grain.

For multiple types of work including cleaning, deburring, & polishing.

Grit	Part No. 1-622-	Reg. Net Price	NOW!
40	-040	$26.45	$22.48
60	-060	22.20	18.87
80	-080	20.85	17.72
100	-100	18.45	15.68
120	-120	17.65	15.00
150	-150	17.65	15.00
180	-180	17.65	15.00
220	-220	17.65	15.00
240	-240	17.65	15.00
320	-320	17.65	15.00
400	-400	17.65	15.00

NOGA Promo Sets

Deburrs steel, aluminum and plastic.

save 20%

NEW!

S Promo Set

S PROMO SET INCLUDES:
- Grip 1 Handle
- (10) S10 Blades

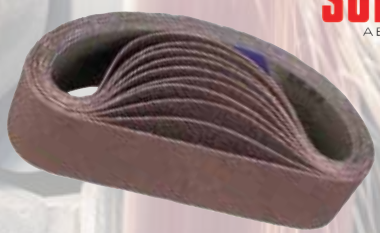
Model NG8150
Part No. 1-457-742
Reg. Net Price $18.20
$14.56

N Promo Set

N PROMO SET INCLUDES:
- Grip 2 Handle
- (10) N1 Blades

Model NG8000
Part No. 1-457-741
Reg. Net Price $16.60
$13.28

SUPERIOR ABRASIVES SHUR-KUT® High Performance Abrasive Belts



Aluminum Oxide G.A.:
Grinding Aid (G.A.) is added. Lubricated resin system designed to reduce heat build-up. Recommended for stock removal, deburring, & blending on high tensile steel, stainless steel, titanium and heat sensitive metals.

Size	Grit	Part No 1-613-	Reg. Net Price	SALE!
1" x 42"	36	-28276	$4.53	$3.85
	60	-28279	3.95	3.36
	80	-28280	3.79	3.22
	120	-28281	3.74	3.18
2" x 48"	36	-28285	7.88	6.70
	60	-28286	6.59	5.60
	80	-28287	6.27	5.33
	120	-28290	5.98	5.08
6" x 48"	36	-28326	23.64	20.09
	60	-28328	19.76	16.80
	80	-28329	18.81	15.99
	120	-28330	17.94	15.25

Universal Adjustment Arm with Magnetic Base

NEW!

FEATURES:
- Easy on/off switch.
- Magnetic base with 125 lbs. of pulling power.
- Strong central locking mechanism.
- Fine adjustment universal swivel clamp.
- Anti-corrosive universal chrome arms.
- Adjustable arms with easy positioning to retain required position.
- Holds 3/8" stem and dovetail (holds both ADG and test indicators).
- Top Arm: 4.8".
- Bottom Arm: 5.8".
- Total Reachable Length: 14".

Part No. 1-815-245
Reg. Net Price $65.88
$53.95

0-1" Digital Electronic Indicator With Lug Back

NEW!

Supplied with a protective case.

FEATURES:
- Large LCD display.
- Tolerance indicators.
- 3/8" stem mountings.
- Micro USB data output.
- Carbide tipped point.
- Direct inch/metric or inch.
- Absolute/incremental reading.

Save 25%

SPECIFICATIONS:
Range ..... 0-1" (0-25mm)
Resolution ..... .0005" (.01mm)
Accuracy ..... .001"
Dial Face Diameter ..... 2-1/4"

Part No. 1-815-310
Reg. Net Price $92.92
$69.69

10X LED Measuring Magnifier Loupe

NEW!

Save 25%

FEATURES:
- Adjustable focus.
- Distortion free with fine resolution.
- Seven powerful LED lights with an on/off switch.
- Super high precision laser etched angle and length glass scales.
- (1) "AG9" Battery included.

7 LED LIGHT

SPECIFICATIONS:
Viewing Area ..... 1-1/4"
Reticle Diameter..... 34mm

Part No. 1-815-610
Reg. Net Price $96.10
$72.08

Supplied with a protective padded leather case.

IP54 Large Display Electronic Calipers

NEW!

Save 25%

FEATURES:
- Resolution: .0005" (.01mm / 1/128" fractional).
- Hardened stainless steel body.
- Precision lapped finish for smooth travel.
- IP54 - Splash water, oil, and dust resistant.
- 1 Year Warranty.

Range: 0-6" (0-150mm)
Part No. 1-815-100
Reg. Net Price $77.42
$58.07

INCH - METRIC - FRACTIONAL
Range: 0-12" (0-300mm)
Part No. 1-815-120
Reg. Net Price $167.40
$125.55

3 Pc. Set-Up & Inspection Kit

SET INCLUDES:
- Dial Indicator: 1"
- Dial Reading: 0-100
- 22 Pc. Indicator Point Set
- Mini Mag Base
- Supplied in a plastic case.

White Face
Part No. 8-135-0010
Reg. Net Price $50.22
$42.69

IP65 Extended Range Test Indicator

NEW!

Save 20%

INCLUDES:
- (2) Dovetail Stems.
- (3) Tungsten Carbide Points: .080", .040", .120".
- 1 Year Warranty.

Part No. 1-815-355
Reg. Net Price $124.00
$99.20

FEATURES:
- Automatic reversal.
- Revolution counter.
- Jeweled movement.
- Easy-to-read tilted dial.
- IP65 Protective Rating.

Supplied with a molded case.

SPECIFICATIONS:
Range ..... .060"
Swivel Arc ..... 210°
Dial Reading 0-15-0

Horizontal Dial Test Indicator Set

NEW!

save over 20%

SET INCLUDES:
- Test Indicator.
- Height Gage Bar.
- (2) Contact Points.
- Contact Point Wrench.
- Universal Dovetail Clamp.
- Dovetail Stems: 3/8" & 1/4"

SPECIFICATIONS:
Range ..... .030"
Graduation ..... .0005"
Dial Reading 0-15-0

White Face
Part No. 8-100-4707

Black Face
Part No. 8-100-4708
Reg. Net Price $81.30

YOUR CHOICE **$59.95**

Supplied in a fitted plastic case.

Precision Dial Bore Gage Sets

FEATURES:
- Self centering.
- For close tolerance measurements of holes, taper and roundness.
- Gages are supplied with AGD group 2 .0005" graduation dial indicator and fitted case.

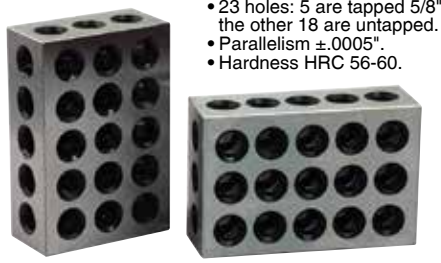
Range	Probe Depth	No. of Anvils	Part No. 1-812-	Reg. Net Price	SALE!
.70-1.5"	5	8	-602	$136.40	$115.94
1.40-2.4	6	6	-603	136.40	115.94
2.00-6.0	6	11	-604	154.08	130.97

Screw Pitch Gages

FEATURES:
- Very handy gage to quickly determine the pitch of various threads.
- Made of high quality polished tool steel.
- Features a locking device at both ends to securely lock the leaves.
- All leaves clearly marked with size.

Range	Pitches	Part No. 1-999-	NOW!
4-42 TPI	31	-005	$7.60
.25-2.5mm	28	-010	7.60
4-84 TPI	51	-015	21.55

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 ±.0005".
- Hardness HRC 56-60.

save 20%

2" x 4" x 6"
Part No. 1-806-002
Reg. Net Price $214.83
$171.86

Precision Magnetic Dial Protractor

With Center Punch

NEW!

save 25%

FEATURES:
- Graduation: 1°.
- Dial Face Diameter: 2-1/4".
- Maximum Vee opening: 3.20".
- Range: 360° (0-90° / 4 quad).
- Magnetic v-base attaches firmly to round or flat ferrous surfaces.
- Hardened steel center punch.
- Mark center of flat, square, or round stock.

Part No. 1-815-500
Reg. Net Price $123.95
$92.95

Stainless Steel Protractor

Square Head

save 20%

For setting of bevels, transferring of angles. From 0° to 180° in opposite directions, with 6" protractor arm. Head is 3-3/8" W x 2" H.

Part No. 1-397-17
Reg. Net Price $14.75
$11.80

6" Precision Thin Parallel Set 1/8" Thick

save 20%

FEATURES:
- Made of high grade alloy steel, hardened and ground.
- 2 holes in each parallel.
- Accuracy .0002" parallelism in height, 0.001" to size in height.
- Thin style, .125" thick, in matched pairs.

SET INCLUDES:
- 1/2"
- 5/8"
- 3/4"
- 7/8"
- 1"
- 1-1/8"
- 1-1/4"
- 1-3/8"
- 1-1/2"
- 1-5/8"

Part No. 1-812-016
Reg. Net Price $94.05
$75.24

Supplied in a plastic case.

Magnetic Digital Angle Protractor

NEW!

save 25%

FEATURES:
- Large LCD display.
- Reversible reading.
- 3-side magnets (bottom & 2 side walls).
- Precision digital level sensor.
- Hold and ZERO functions.
- (1) 9V Battery Included.
- 1 Year Warranty.

SPECIFICATIONS:

Measuring Range	360° (4 x 90°)
Resolution	.05°
Accuracy	±.2°
Repeatability	.1°
Dimensions	2.2" x 2.2" x 1.2"

Part No. 1-815-200
Reg. Net Price $75.56
$56.67

6 Pc. Adjustable Parallel Set

FEATURES:
- Set consists of 2 precision ground pieces which slide smoothly on each other.
- Locked into position by set screws.
- Can be quickly be inserted into openings and expanded to exact size, then measured with a micrometer.

SET INCLUDES:
- (6) Parallels:
  - 3/8 to 1/2"
  - 1/2 to 11/16"
  - 11/16 to 15/16"
  - 15/16 to 1-5/16"
  - 1-5/16 to 1-3/4"
  - 1-3/4 to 2-1/4"

3/8" to 2-1/4"
Part No. 8-410-065
Reg. Net Price $67.80
$57.63

Supplied in a vinyl case.

IP54 ABSOLUTE Electronic Digital Bore Gage Set

Extended Range Set With SPC Output

NEW!

save 25%

SET INCLUDES:
- (3) Interchangeable Measuring Heads:
  - 0.7 to 1.5", 1.5 to 2", 2 to 6".
- (3) Sets of Anvils with Carbide Points:
  - 0.7, 0.8, 0.9, 1, 1.1, 1.2, 1.3, 1.4"
  - 1.4, 1.6, 1.8, 2"
  - 2, 2.2, 2.4, 2.8, 3, 3.2, 3.4, 3.6, 3.8, 4".
- (1) 2" Extender.
- (3) Spacers/Washers: 0.02, 0.05, 0.1".
- Extended 2 Year Warranty.

Supplied in a fitted plastic case.

FEATURES:
- Extended Range Set from 0.7-6".
- Absolute Electronic Indicator: Range: 0-0.5" (0-12.7mm). Resolution: .00005" (.001mm).
- Indicator is fully protected by rugged cover IP54 rated.

Replacement Battery
3-Volt Type CR2032
Part No. 1-541-358
$3.84

Part No. 1-815-405
Reg. Net Price $401.45
$301.09

IP54 Large Display Electronic Micrometer

With SPC Output

Save 20%

NEW!

FEATURES:
- ABC / INC measurement.
- Anodized aluminum alloy ratchet and friction thimble.
- Ball attachment included.
- Auto power off.

SPECIFICATIONS:
Range ..... 0-1" (0-25mm)
Accuracy ..... .00015" (.003mm)
Resolution ..... .00005" (.001mm)

Supplied in a molded case.

Part No. 1-815-525
Reg. Net Price $99.70

$79.76

0-1" Digit Outside Micrometer

Save 20%

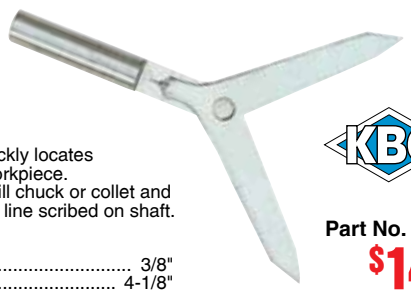
FEATURES:
- Lock nut.
- Ratchet stop.
- Graduation: .0001"
- Satin chrome finish.
- Carbide tipped faces.

Supplied with a standard in a fitted plastic case.

Part No. 1-812-500
Reg. Net Price $56.60

$45.28

Center Finder



FEATURES:
- Accurately and quickly locates center on round workpiece.
- Place the tool in drill chuck or collet and line up pointer with line scribed on shaft.

SPECIFICATIONS:
Shank Diameter ..... 3/8"
Overall Length ..... 4-1/8"

Part No. 1-397-730
$14.30

Fowler X-PROOF™ Water Resistant Indicator Set

Save 20%

NEW!

IP54 X -PROOF INDICATOR FEATURES:
- Travel: 1".
- Reading: .001"
- Sealed back plate.
- Tolerance markers.
- Rubber bellows on stem.
- AGD Group 2, 2-1/4" dia.
- O-Ring seal on safety cap.
- Lug back and carbide point.
- Robust, shockproof design.
- O-Ring protection for bezel & rotating dial.
- Continuous Reading: 0-100.

MAGNETIC BASE FEATURES:
- 85 lb. pull.
- Fine adjustment.
- V-base for placing on round surfaces.
- Also mounts test indicators with 1/4" post.
- Base Dimensions: 2" x 2-11/32" x 1-13/16"
- On/off lever release magnet.

X-SERIES

IP54

Part No. 52-585-155
Reg. Net Price $131.87

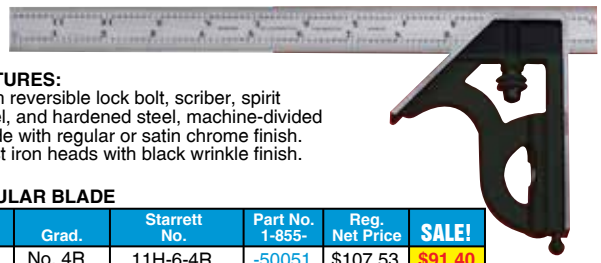
$105.50

All packed in a shop-hardened case!

Starrett 2 Pc. Combination Square Sets

Series 11H

GRADUATIONS:
No. 4R - 8ths, 16ths, Quick Reading 32nds, 64ths



FEATURES:
- With reversible lock bolt, scriber, spirit level, and hardened steel, machine-divided blade with regular or satin chrome finish. Cast iron heads with black wrinkle finish.

REGULAR BLADE

Size	Grad.	Starrett No.	Part No. 1-855-	Reg. Net Price	SALE!
6"	No. 4R	11H-6-4R	-50051	$107.53	$91.40
12"	No. 4R	11H-12-4R	-50055	110.06	93.55

Starrett Tool and Instrument Oil

FEATURES:
- Ideal in shop for maximum protection and lubrication of measuring tools, precision instruments and machinery; to guard highly against rust.
- Use on firearms, fishing tackle and other sporting equipment to keep parts in maximum working condition.

Starrett #1620
4 oz. Plastic Bottle
Part No. 1-855-53216

$13.92

Starrett Electronic Digital Indicator Series 3600

AGD Group 2

FEATURES:
- Reverse travel (± control indicates direction).
- 4-48 spindle thread.
- Inch/metric conversion.
- Large, easy-to-read LCD.
- Zero setting at any position.
- Lug-on-center back & additional flat back.

SPECIFICATIONS:
Range ..... 0-.5" (0-12.7mm)
Resolution ..... .0005" (.01mm)
Stem Diameter ..... 3/8"

Starrett #3600-5
Part No. 1-855-68813
Reg. Net Price $259.33

$220.43

Supplied with a plastic storage case with a clear cover.

Fowler COAX-2D 2 Dimensional Coaxial Indicator Set

The 2D Coaxial Set for accurate component centering and positioning in most machining applications. The 2D Coaxial indicator can be used at any angle & the dial remains stationary during the rotation of the machine spindle.

Save 20%

FEATURES:
- 3 Internal & external feelers.
- Capacity depends on feelers installed, but overall range is 5/32-12" internal diameter; 0-12" external diameter.
- Locating accuracy to within .0002" of true center.
- Restraining arm.
- Center point feeler.
- Indicator assembly with 1.6" diameter dial.
- Graduations and revolution counter .0005".

Complete in a fitted case.

Part No. 52-710-025
Reg. Net Price $335.67

$268.54

SPECIFICATIONS:
Length ..... 6-7/8"
Shank ..... 3/8" Dia. x 7/8" Long
Feeler Ball ..... 1/8" Dia.
Dial Readings 0-40
Measuring Range ..... .250" Axis Offset
Maximum Speed ..... 800 RPM

Fowler XTENDER

Dial Bore Gage Set

X-SERIES INCH GAGE SET

save 20%

FEATURES:
- Range: 1.4-6" (35-160mm)
- Graduation: .0005" (.01mm)
- Chrome plated handle.
- Carbide anvils.
- Insulated grip.
- Easy-to-read.

Supplied with an extension holder & fitted case.

Part No. 52-646-400
Reg. Net Price $260.40
$208.32

Fowler XTRA-VALUE

9" Electronic Level

Instant 4x 90° digital inclination display!

FEATURES:
- Resolution: .05°
- Accuracy: ±.2°
- Repeatability: ±.05
- Measuring Range: 4 x 90°
- Dimensions: 9"L x 1"W x 2-1/4"H
- Standard 9 volt battery (250 hours of life)
- Includes two-way level and plumb vials.
- Reversible reading for inverted use.

With embedded magnets on the measuring surface, a beam-splitter projects a 90° laser cross hair for leveling at a distance. It also includes a 1/4"-20 mount for tripod use.

Sine Bar Not Included.

X-SERIES

Part No. 54-440-600
Reg. Net Price $110.03
$93.53

Fowler

Shockproof Dial Calipers With Thumb roll

Supplied in a shop-hardened case.

FEATURES:
- Range/Revolution: .10" (2mm)
- Reading Dial Face: .001" (.02mm)
- Silky smooth movement throughout.
- Solid stainless steel construction.
- 4-way measurement; outside, inside, step, depth.
- Tough shockproof design.

Range: 0-6"
Part No. 52-008-706
Reg. Net Price $105.03
$89.28

Range: 0-12"
Part No. 52-008-712
Reg. Net Price $174.47
$148.30

Fowler EURO-CAL IV

Electronic Calipers

save 20%

IP54

INCH • METRIC • FRACTION™

FEATURES:
- Stainless steel frame.
- 4-way measurement; outside, inside, step, depth.
- Resolution: .0005" (.01mm) (fractions in 1/64" increments)
- Water resistant to IP54 standards.
- Absolute/Incremental measurement.

Supplied with a molded plastic case.

SPC

Range: 0-6" (0-150mm)
Part No. 54-100-3301
Reg. Net Price $166.81
$133.45

NEW!

Range: 0-12" (0-300mm)
Part No. 54-100-332
Reg. Net Price $253.31
$202.65

Fowler SHOP-BLOX

Rectangular Gage Block Sets

save 20%

Fowler "Economy/Workshop" grade Gage Block Sets are identical to standard sets in all respects, except for a wider range of tolerance which is more than adequate for a majority of shop needs. Blocks are rectangular, constructed of the finest grade of high carbon/chrome steel, fully stress relieved, hardened to 65 RC, lapped and mirror polished to a very low micro-surface finish. Blocks feature a low coefficient of thermal expansion, and they are carefully inspected for accurate size, parallelism, and flatness.

FEATURES:
- Accuracy ±.00005".
- Certificate of calibration traceable to NIST.
- Inspected according to meet NIST Federal Specification ASME B89. 1.9 - 2002 tolerances on length for inch gage blocks.

Supplied with a high-quality fitted wooden case.

36 PC. SET INCLUDES:
- 9 Blocks .1001" - .1009" (Steps of .0001")
- 9 Blocks .101" - .109" (Steps of .001")
- 9 Blocks .11" - .19" (Steps of .01")
- 5 Blocks .1" - .5" (Steps of .1")
- 3 Blocks 1", 2", 4"
- 1 Block .05"

36 Piece Set
Part No. 53-672-036
Reg. Net Price $316.31
$253.05

81 PC. SET INCLUDES:
- 9 Blocks .1001" - .1009" (Steps of .0001")
- 49 Blocks .101" - .149" (Steps of .001")
- 19 Blocks .05" - .95" (Steps of .05")
- 4 Blocks 1" - 4" (Steps of 1")

81 Piece Set
Part No. 53-672-081
Reg. Net Price $356.48
$285.18

Fowler X-TREAD

For Tire Tread Wear Measurement

FEATURES:
- Super-large display.
- Spring-loaded and hold measurement button for ease-of-use.
- Fractions in 1/64" increments.
- Resolution: .0005" (.01mm)
- Range: 1" (25mm)

Supplied in a vinyl holster.

Part No. 54-225-500
Reg. Net Price $32.78
$27.86

Fowler XTRA-VALUE

Depth Gage

FEATURES:
- Super-large display.
- Travel: 0-1" (25mm)
- Range: 0-22" (550mm)
- Resolution: .0005" (.01mm), fractions in 1/64" increments.
- Spring-loaded and hold measurement button for ease-of-use.

X-SERIES

Supplied in a shop-hardened case.

Part No. 54-225-555
Reg. Net Price $83.34
$70.84

Starrett Single End Edge Finder

FEATURES:
- Work surfaces may be located easily and accurately.
- Body and contacts are made of tool steel, hardened and ground lapped to close tolerances for diameter and concentricity.

SPECIFICATIONS:
Body Diameter ..... .375"
Contact Diameter ..... .200"

Starrett #827A
Part No. 1-855-53062
Reg. Net Price $36.05
$30.64

Starrett Universal Back Plunger Dial Test Indicator

Series 196

FEATURES:
- Accurate and reliable.
- Simple and smooth to operate.
- Rugged, with few moving parts.
- Indicator with 3 contact points & adapter.

SPECIFICATIONS:
Range ..... .200"
Shank Diameter ..... 1/4" (6.3mm)
Graduation ..... .001"
Dial Reading 0-100

Starrett #196B1
Part No. 1-855-50699
Reg. Net Price $193.55
$164.52

BORITE MACHINIST'S MATE Electronic Edge Finder

Self-Contained Visual For Machine Set-Up.

FEATURES:
- Quick, precise - edge finder lights up instantly when stylus .200" dia. x 1/2" length reaches the work edge.
- Exact reading off any electrically conductive metal with clean surface.
- 1/2" dia. shank, 3-15/16" length.
- Accurate to within .0005".

INCLUDES:
- (1) "AAA" Alkaline Battery.
- (1) Bulb in Protective Tube.

Part No. 1-275-98315
Reg. Net Price $41.64
$35.39

Mitutoyo Digimatic Height Gages With SPC Output

Series 192

Save 20%

FEATURES:
- Resolution: .0005" (.01mm).
- Easy-to-use standard type.
- Double-column structure ensures high measuring accuracy.

INCLUDES:
- Carbide Scriber.
- (2) Scriber Clamps.

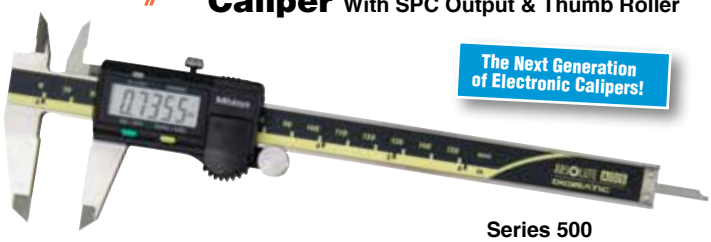
FUNCTIONS:
- Zero-Setting.
- ABS/INC Switching.
- Probe Tip Diameter Compensation.
- Power ON/OFF.
- 2-Presets.
- Data Hold.
- -/+ Switching.
- Inch/mm Conversion.
- Alarm (Low Voltage, Counting Valve Composition Error).

Range: 0-12"
Part No. 1-808-192630
Reg. Net Price $1,560.00
$1,248.00

Range: 0-18"
Part No. 1-808-192631
Reg. Net Price $2,659.00
$2,127.20

Mitutoyo 0-6" ABSOLUTE Digimatic Caliper With SPC Output & Thumb Roller

The Next Generation of Electronic Calipers!



Series 500

FEATURES:
- Resolution: .0005" (.01mm).
- Whenever turned on, the large LCD screen displays the actual slider position ready to start measurement.
- It keeps track of its origin point once set.
- No more repeated zero setting necessary with the absolute encoder technology as well as no more care for overspeed errors.

Range: 0-6" (0-150mm)
Part No. 1-808-500171
Reg. Net Price $232.00
$197.20

Supplied in a fitted plastic case.

3" Feeler Gages

FEATURES:
- Number of Blades: 26
- Blades made of finest feeler gage stock, hardened and tempered.
- Each blade marked with thickness.
- Steel case protects blades.
- Lock nut holds blades securely in place.

THICKNESSES INCLUDED:
.0015, .002, .0025, .003, .004, .005, .006, .007, .008, .009, .010, .011, .012, .013, .014, .015, .016, .017, .018, .019, .020, .021, .022, .023, .024, .025"

Straight
1/2" Wide At Tip
Part No. 1-804-519
Reg. Net Price $29.35
$24.95

Tapered
1/4" Wide At Tip
Part No. 1-804-520
Reg. Net Price $29.35
$24.95

Mitutoyo 0-1" Coolant Proof Digimatic Micrometer

Series 293
With SPC Output & Ratchet Stop

Range: 0-1" (0-25mm)
Part No. 1-808-293330
Reg. Net Price $288.00
$244.80

Supplied in a fitted plastic case.

FEATURES:
- Graduation: .00005" (.001mm).
- Auto power on/off function.
- IP65 protection level, enabling use in environments exposed to cutting oil, etc. Anti-corrosion treatment is required after use.
- Measurement data output function is available with a water-resistant connection.
- Certificate of inspection is included. (It is not the type used to obtain calibration certificates.)

IP65

Mitutoyo Dial Calipers

Series 505

STAINLESS STEEL

NEW!

FEATURES:
- Graduation: .001"
- Face for easy readability.
- Improved finish on sliding surfaces for longevity.
- Dial movement for ultra smooth sliding & high shock protection.

Mitutoyo's EXCLUSIVE "QUADRI" 4-Way Measuring Feature: outside, inside, step, and depth measurement.

Supplied in a fitted plastic case.

Range: 0-6"
Part No. 1-808-505742
Reg. Net Price $155.00
$131.75

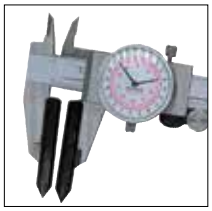
Range: 0-8"
Part No. 1-808-505743
Reg. Net Price $223.00
$189.55

Range: 0-12"
Part No. 1-808-505746
Reg. Net Price $363.00
$308.55

AMPG ACCURATE MANUFACTURED PRODUCTS GROUP

Centerline Gages

Measures Hole Center To Hole Center Quickly & Accurately!



CALIPER NOT INCLUDED.

FEATURES:
- Fits all brands.
- 60° conical points.
- 0.375" diameter x 2.25" long.
- Allen wrench included.
- User friendly instructions.
- Hardened steel with black oxide coating.
- Supplied in hi-impact reusable tube.

Description	Part No. 1-850-	Reg. Net Price	SALE!
Fits 4", 6", & 8" Calipers	-Z9009	$35.19	$31.67
Fits 12" Calipers	-Z9010	168.02	151.22

NOGA Centering Universal Holders

NEW!

FEATURES:
- Black finished arms.
- Central locking mechanism with spring loaded bearing.
- Centering Rod: 8mm x 40mm
- Used for centering of workpieces.
- Universal fine adjustment, holds: 6mm, 8mm, 3/8", dovetail and back lug.

SPECIFICATIONS:
Bottom Arm 56mm
Top Arm 51mm

NF1022
Part No. 1-457-915
Reg. Net Price $110.65
$89.95

brown & sharpe Center Gage

TEMPERED SATIN-CHROME FINISH

60° angles for Unified, American, Am. National and U.S. Std., threads. Graduations in 14ths, 20ths, 24ths & 32nd of an inch. Shows double depth of threads.

Part No. 1-802-44460
$19.38

NOGA Universal Magnetic Base

With Fine Adjustment On The Top

save 20%

The Industry's Most Wanted Universal Magnetic Base!

FEATURES:
- Five axis holder.
- Black finished arms.
- Top Arm Length: 9.50".
- Bottom Arm Length: 12.80".
- Magnetic Pull: 286 lbs./ft.
- 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.

Model No. MA61003
Part No. 1-457-911
Reg. Net Price $347.80
$278.24

Mitutoyo 0-3" Outside Micrometer Set Series 103

SET INCLUDES:
- (3) Micrometers:
  - 0 to 1" (103-177)
  - 1 to 2" (103-178)
  - 2 to 3" (103-179)
- (2) Standards.

FEATURES:
- Ratchet stop.
- Carbide tipped faces.
- Positive locking clamp.
- Clear graduations on satin-chrome finish.
- Baked-enamel-finished frame.

Supplied with a fitted carrying case.

Graduation: .001"
Part No. 1-808-103929
Reg. Net Price $407.00
$345.95

Mitutoyo "QUICK-SET" Dial Test Indicator

Series 513 - Horizontal Type

NEW!

FEATURES:
- Performs easy and accurate measurement of narrow or recessed areas, plus inside and outside diameters that dial indicators cannot access.
- No-clutch structure for automatic reversal of measuring direction.
- One-piece bezel and crystal design with O-ring provides resistance to water and dust.
- The glare-free flat crystal face has a scratch-resistant coating.
- High sensitivity and quick response because of jeweled bearings.

INCLUDES:
- Indicator
- Stem: 3/8" (8mm)
- Knurled Clamp Ring
- Carbide Contact Point: .079" (2mm)

SPECIFICATIONS:
Range ..... .03"
Graduation ..... .0005"
Dial Reading 0-15-0

Part No. 1-808-513402
Reg. Net Price $145.00
$123.25

Mitutoyo 4 Pc. Small Hole Gage Set Series 154

SET INCLUDES:
- (4) Hole Gages:
  - .118 to .197"
  - .197 to .295"
  - .295 to .393"
  - .393 to .511"

Supplied in a fitted case.

FEATURES:
- Extra-long for gaging deep and shallow holes, slots and similar work.
- Gaging surface is full-round with a flat bottom and is fully hardened to ensure long tool life.

Part No. 1-808-154901
Reg. Net Price $133.00
$113.05

Mitutoyo Dial Indicators

Continuous Dial with Lug Back

FEATURES:
- Satin-finish chrome plated forged brass case.
- Precision ground hard chrome plated stem.
- Accuracy meets Federal Specifications.
- Contact point is made of hardened, ground and chrome plated tool steel.
- Spindle rack, pinions, and pivots of hardened stainless steel.

SPECIFICATIONS:
Per Revolution ..... .10"
Graduation ..... .0010"
Dial Reading 0-100

AGD Group 1
Range: 0-.250"
Dial Face Diameter: 40mm
Part No. 1-808-1410S
Reg. Net Price $126.00
$107.10

AGD Group 2
Range: 0-1"
Dial Face Diameter: 2-1/4"
Part No. 1-808-2416S
Reg. Net Price $132.00
$112.20

TEKZ 500 Pc. Aluminum Rivet Assortment

FEATURES:
- Steel mandrel.
- Rustproof aluminum rivet body.

Supplied with a convenient re-sealable plastic case.

SET INCLUDES:
- (120) 1/8" x 1/4"
- (120) 1/8" x 5/16"
- (120) 1/8" x 3/8"
- (70) 3/16" x 5/16"
- (70) 3/16" x 3/8"

Part No. 1-928-45228
Reg. Net Price $19.59
$16.65

TEKZ 88 Pc. Master Auto Fuse Assortment

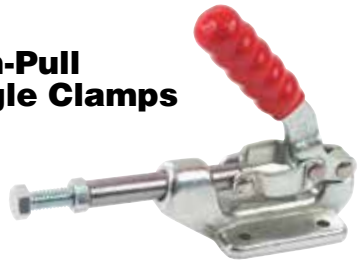
SET INCLUDES:
- Violet
  (5) 3A Mini Blade Fuses
  (5) 3A Blade Fuses
- Orange
  (5) 5A Mini Blade Fuses
  (5) 5A Blade Fuses
  (1) 40A Maxi Blade Fuses
- Brown
  (5) 7.5A Mini Blade Fuses
  (5) 7.5A Blade Fuses
- Red
  (5) 10A Mini Blade Fuses
  (5) 10A Blade Fuses
  (1) 50A Maxi Blade Fuses
- Blue
  (5) 15A Mini Blade Fuses
  (5) 15A Blade Fuses
  (1) 60A Maxi Blade Fuses
- Yellow
  (5) 20A Mini Blade Fuses
  (5) 20A Blade Fuses
  (1) 20A Maxi Blade Fuses
- Clear
  (5) 25A Mini Blade Fuses
  (5) 25A Blade Fuses
  (1) 80A Maxi Blade Fuses
- Green
  (5) 30A Mini Blade Fuses
  (5) 30A Blade Fuses
  (1) 30A Maxi Blade Fuses
- Tan
  (1) 70A Maxi Blade Fuses
- Purple
  (1) 100A Maxi Blade Fuses

Zinc Electrodes

Supplied with a convenient re-sealable plastic case.

Part No. 1-928-45230
Reg. Net Price $29.45
$25.03

GOOD HAND Push-Pull Toggle Clamps



Miniature push-pull clamp with long plunger travel

SUPPLIED WITH SPINDLE ASSEMBLY.

Overall Height	OAL	Plunger Travel	Holding Capacity	Part No. 1-990-	Reg. Net Price	SALE!
2-23/32"	4-11/16"	1-1/4"	600 lbs.	-36003	$27.69	$23.54
3-9/32	6-1/32	1-5/8	700 lbs.	-30607	53.65	45.60
2-27/32	7-1/32	2	2,500 lbs.	-36330	50.26	42.72

GOOD HAND Latch Type Toggle Clamps

save 20%

* Supplied with Latch Plate.
† Optional Latch.

Overall Height	Drawing Movement	Holding Capacity	Part No. 1-990-	Reg. Net Price	SALE!
1-5/32"*	1-1/32"	360 lbs.	-40323	$15.30	$12.24
1-5/8*	1-9/16	700 lbs.	-431	19.29	15.43
2-29/32*	2-3/8	2,000 lbs.	-40341	29.30	23.44
4†	3-3/8	4,000 lbs.	-40370	79.06	63.25

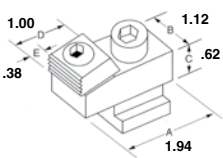
DIECRAFT Industrial C-Clamps

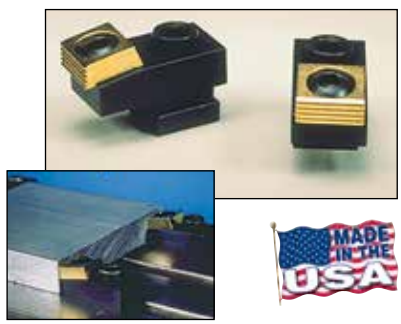
FEATURES:
- Drop-forged steel frame.
- Steel screw, swivel and handle.
- Replacement parts available.
- Conform to U.S. Gov't specs.
- Copper plated screw.

Capacity	Throat Depth	Screw Dia.	Approx. Wgt. (lbs.)	Part No. 1-532-	Reg. Net Price	SALE!
0-2"	2"	1/2"	1-1/4	-402	$44.00	$37.40
0-3	2-3/8	1/2	2	-403	55.44	47.12
0-4	2-3/4	3/4	3-1/2	-404	71.07	60.41
0-6	3-5/8	3/4	5	-406	90.60	77.01
0-8	4-1/2	3/4	7	-408	133.73	113.67

Manufacturers of Quality "C" Clamps.

MEE-BITE PRODUCTS LLC T-Slot Toe Clamp





FEATURES:
- Low profile cam action clamp with positive downforce.
- Clamp is mounted in the T-Slots of machine tables by sliding the clamp to the workpiece and tightening the locking screw.
- Two Clamping Edges:
  - Smooth for Machined Surfaces
  - Serrated for Rough Cut Material

T-Slot Size	Part No. 1-904-	Reg. Net Price	NOW!
9/16	-24128	$62.31	$52.96
5/8	-24148	62.31	52.96
11/16	-24168	62.31	52.96
3/4	-24188	65.95	56.06

Supplied with a shop-hardened case.

brown & sharpe

Jack Screw Utility Set

For use when you are setting up machinery and in other machine shop applications.

Part No. 1-802-27421
Reg. Net Price $69.75
$59.29

FEATURES:
- Range: 2-1/4 to 3-3/8".
- Easily lifts 1,000 lbs.
- (2) Extension Bases: 2" & 1" respectively.
- 1-1/4" diameter jack at base.
- Use extension singly or together.
- When used together, a height of 6-3/8" may be obtained with the jack.

BESSEY Simply Better.

Sliding Arm Clamps

4800 SERIES

1200 LIGHT DUTY SERIES:
- Up to 1,200 lbs. clamping pressure.
- Tommy bar handle.
- Standard pad.

2400 REGULAR DUTY SERIES:
- 2,660 lbs. nominal clamping pressure.

4800 HEAVY DUTY SERIES:
- For uses such as clamping 3/4" plate.
- 4,880 lbs. nominal clamping pressure.

Model No.	Opening	Throat Depth	Rail Size	Part No. 1-820B-	Reg. Net Price	SALE!
1200 SERIES - LIGHT TO MEDIUM DUTY						
1200S-12	12"	5-1/2"	1" x 15/32"	-001	$113.37	$102.03
2400 SERIES - REGULAR DUTY						
2400S-8	8"	5-1/2"	1-3/16" x 9/16"	-003	197.98	178.18
2400S-12	12	5-1/2	1-3/16 x 9/16	-005	229.64	206.68
2400S-20	20	5-1/2	1-3/16 x 9/16	-006	288.90	260.01
4800 SERIES - HEAVY DUTY						
4800S-12	12"	7"	1-9/16" x 3/4"	-007	425.29	382.76

PRECISION BRAND

15 Pc. 6" x 12" Packaged Shim Stocks

This handy shim stock comes ready packaged in dispenser cartons for easy use. Saves time, waste & bother. Precision-gauged for accuracy.

Brass Shim Stock
Sizes (1 Each): .001", .0015", .002", .003", .004", .005", .006", .007", .008", .010", .012", .015", .020", .025", .031"
Part No. 1-953-SF15
Reg. Net Price $79.80
$67.83

MADE IN THE USA

Steel Shim Stock
Sizes (1 Each): .001", .0015", .002", .003", .004", .005", .006", .007", .008", .010", .012", .015",
Part No. 1-955-AF15
Reg. Net Price $57.07
$48.51

More Information Available @ KBCTools.com

PRECISION BRAND

Punch & Die Set
Traditional Style

FEATURES:
- Cuts steel, brass, copper, aluminum, rubber, and plastic up to .025" thick.
- Economical way to make washers, shims, and gaskets.
- Clear plastic top plate marked with accurate center lines.
- Cuts stainless and blue tempered shim up to .010" thick.
- Base and punches are made of hardened and ground A-2 tool steel.

SET INCLUDES:
- (9) Punches, Sizes: 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8", 3/4".

Part No. 1-958-315
Reg. Net Price $232.25
$197.41

Starrett 0-1 Oil Hardening Precision Ground Flatstock

Quality Oil hardening, Non-distorting alloy steel. Soft, ready to machine. Packed individually.

TOLERANCES:
Thickness: ..... ±.001"
Width: ..... + .000/.005"

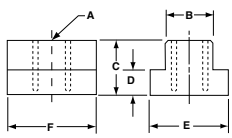
Nominal Analysis	
Carbon	.90
Chromium	.50
Manganese	1.20
Tungsten	.50
Vanadium	.20

Thickness	Width	Part No.	18" Part No. 1-951- ONLY!	36" Part No. 1-965- ONLY!
1/16"	3/8"	-638	$17.10	$32.28
	1/2	-054	10.72	21.02
	3/4	-056	13.70	26.70
	1	-058	16.46	32.12
	1-1/4	-060	19.30	37.42
	1-1/2	-062	22.12	43.12
	2	-064	27.88	53.96
	2-1/2	-066	33.56	64.94
	3	-068	39.30	75.78
	3-1/2	-070	45.04	86.92
	4	-072	50.68	97.66
	5	-076	62.10	119.58
	6	-078	74.10	141.56
1/8"	1/8"	-110	31.28	62.70
	1/2	-112	14.60	28.64
	3/4	-114	18.20	35.10
	1	-116	21.60	41.60
	1-1/4	-118	24.76	47.64
	1-1/2	-120	28.32	54.04
	2	-122	35.30	66.96
	2-1/2	-124	42.16	79.70
	3	-126	49.08	92.58
	4	-130	62.88	118.32
	5	-134	76.72	143.94
	6	-136	90.58	169.64
3/16"	3/16"	-168	28.08	76.56
	1/2	-170	20.54	38.38
	3/4	-172	24.00	46.06
	1	-174	28.32	53.94
	1-1/4	-176	28.62	61.36
	1-1/2	-178	36.68	69.18
	2	-180	45.32	85.00
	2-1/2	-182	53.88	100.54
	3	-184	62.58	116.32
	3-1/2	-186	71.28	132.16
	4	-188	79.90	147.74

Thickness	Width	Part No.	18" Part No. 1-951- ONLY!	36" Part No. 1-965- ONLY!
1/4"	1/4"	-226	$26.78	$52.86
	1/2	-228	23.24	45.10
	3/4	-230	28.12	53.78
	1	-232	33.12	62.68
	1-1/4	-234	37.60	70.70
	1-1/2	-236	42.76	79.66
	2	-238	52.34	97.28
	2-1/2	-240	62.10	114.76
	3	-242	71.90	132.30
	3-1/2	-244	81.64	149.94
	4	-246	91.40	167.50
	5	-250	110.96	202.62
	6	-252	130.52	247.42
5/16"	5/16"	-256	29.10	57.10
	1/2	-258	27.88	53.94
	3/4	-260	33.82	64.36
	1	-262	39.56	74.70
	1-1/4	-264	44.92	84.16
	1-1/2	-266	50.76	94.66
	2	-268	62.34	115.28
	2-1/2	-270	73.98	135.98
	3	-272	85.60	156.56
3/8"	3/8"	-286	34.48	67.24
	1/2	-288	31.78	61.44
	3/4	-290	38.44	73.28
	1	-292	44.92	84.98
	1-1/4	-294	50.96	95.68
	1-1/2	-296	57.60	107.44
	2	-298	70.76	130.86
	2-1/2	-300	83.76	154.10
	3	-302	96.90	177.46
	3-1/2	-304	109.98	200.98
	4	-306	123.04	224.30
	5	-310	149.22	270.92
	6	-312	175.36	317.76
1/2"	1/2"	-344	39.88	76.92
	3/4	-346	48.02	91.30
	1	-348	56.04	105.62
	1-1/4	-350	63.98	119.50
	1-1/2	-352	72.06	133.80
	2	-354	88.24	162.48
	2-1/2	-356	103.80	191.22
	3	-358	121.08	220.02
	3-1/2	-360	136.86	248.58
	4	-362	153.08	277.44

TE-CO

T-Slot Nuts



Last thread is incomplete to prevent stud from turning through bottom of nut into machine table. T-Slot Nuts are undersized to fit machine table slot.

CASE HARDENED **BLACK OXIDE FINISH**

Ref. No TN	Thread A	Table Slot B	C	D	E	F	Part No. 1-903-	ONLY!
437	3/8-16	7/16"	1/2"	7/32"	11/16"	7/8"	-41404	$3.28
500	3/8-16	1/2	1/2	9/32	7/8	7/8	-41405	3.28
562	3/8-16	9/16	5/8	11/32	7/8	1-1/8	-41406	3.63
563	1/2-13	9/16	5/8	11/32	7/8	1-1/8	-41409	3.96
625	1/2-13	5/8	5/8	11/32	1	1-1/8	-41410	4.04
626	1/2-13	5/8	3/4	3/8	1-1/8	1-1/8	-41411	5.48
687	1/2-13	11/16	3/4	7/16	1-1/8	1-1/4	-41412	4.61

TE-CO

Machinist Clamping Set

SET INCLUDES:
- (6) T-Slot Nuts
- (6) Flange Nuts
- (4) Coupling Nuts
- (6) Step Blocks
- (6) Serrated End Clamps
- (1) T-Slot Cleaner
- (24) Studs, 4 each: 3", 4", 5", 6", 7", 8" lg.
- Supplied with a plastic case.

Part No. 1-904A-20402
Reg. Net Price $155.29
$124.23

Stud Size: 1/2-13
Table T-Slot Size: 5/8"

PRECISION BRAND

20 Pc. Poc-Kit Feeler Gage Assortment

FEATURES:
- Each blade marked with thickness.
- Rounded ends and smooth edges for safety.

SIZES INCLUDED (1 EACH):
.001", .0015", .002", .003", .004", .005", .006", .007", .008", .009", .010", .012", .014", .015", .016", .018", .020", .022", .024", .025".

1/2" x 5" Steel Gages
Part No. 1-958-19740
Reg. Net Price $37.89
$32.21

KALAMAZOO
2" x 48" Belt Sander
1/2 HP, 115V, 1 PH Motor

Model 2FSM
Part No. 2-002-2FSM
$810.00

MADE IN THE USA

FEATURES:
- Belt Speed: 3,450 RPM.
- Rubber contact wheel for positive drive.
- Tilting table.
- Direct drive BALDOR motor.
- Full hinged guard for quick belt change.
- Manual and parts list.

Edwards Mfg. Co.
Jaws 55 Ton Punch Pressure Ironworker

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

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

Model 55T
(5 HP, 230V, 3 PH)
Part No. 6-700-215
$17,513.45
FINANCE AS LOW AS **$381.44/mo.**
CALL FOR DETAILS

(5 HP, 575V, 3 PH)
Part No. 6-700-215C
$18,598.45
FINANCE AS LOW AS **$405.07/mo.**
CALL FOR DETAILS

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"
Flat Max. Thickness ..... 3/4" x 4"
Flat Max. Width ..... 1/2" x 12-3/8" x 14"
Angle Shear Max. Size ..... 3" x 3" x 3/8"
Shipping Weight ..... 2,100 lbs.

KING INDUSTRIAL
Disc & Belt Combination Sander
With Built-In Dust Collector
1-1/2 HP, 220V, 1 PH

NEW!

FEATURES:
- Powerful 1-1/2 HP, 220V motor.
- Two Step activation safety switch with line voltage interruption in case of power failure.
- Heavy-duty cast iron tilting tables and body.
- Sanding belt operates vertically, horizontally or at any set angle in between.
- Belt and disc safety guards.
- Quick-release lever for easy belt replacement.

2 FULL YEAR WARRANTY

Model KC-790FX-DC
Part No. 6-125-006-DC
$1,649.00

SPECIFICATIONS:
Belt Size / Speed .. 6" x 48" / 2,250 SFPM
Disc Size / Speed ..... 12" / 1,750 RPM
Dust Collector Motor..... 1/4 HP, 2/1 Amp
Overall Dimensions .... 35" x 25" x 56-1/4"
Shipping Weight ..... 280 lbs.

COMPLETE WITH:
- Miter Guage
- 2-1/2"-4" Dust Chute Adapter
- Sturdy Enclosed Cabinet Stand

2 FULL YEAR WARRANTY

KING CANADA
Disc & Belt Sander

FEATURES:
- Powerful 1 HP motor.
- Two position belt and disc cast aluminum table tilts from 0-45°.
- Heavy-duty cast iron construction.

Model KC-760L
Part No. 6-125-003
$479.99

SPECIFICATIONS:
Belt Size ..... 6" x 48"
Disc Size..... 9"
Motor ..... 11.9 Amp. @ 110V
..... 5.5 Amp. @ 220V
Voltage .....110/220V, 1 PH, 60 Hz
Pre-Wired 110V
Shipping Weight ..... 145 lbs.

KING CANADA
Disc & Belt Sander
1/4 HP, 115V, 1 PH Motor

2 FULL YEAR WARRANTY

FEATURES:
- Adjustable tilting tables with mitre gage.
- Direct-drive motor for efficient operation and compact design.
- Easy belt tracking system for fast adjustments and belt replacement.

Model KC702C **$129.99**
Part No. 6-125-001

SPECIFICATIONS:
Belt Size / Speed ... 1" x 30" / 2,000 ft./min.
Disc Size / Speed ..... 5" / 2,800 RPM
Shipping Weight ..... 20 lbs.

KING CANADA
Disc & Belt Sander

FEATURES:
- Motor is all sealed ball bearing construction.
- Easy belt tracking system for quick changing of belts.
- Handles all your finishing operations (sanding, surfacing, grinding, cleaning & deburring on wood, metal & plastic).
- Comes with adjustable tilting table.

2 FULL YEAR WARRANTY

Model KC-705L-6
Part No. 6-125-002 **$149.99**

SPECIFICATIONS:
Belt Lift ..... 0° - 90°
Belt Size / Speed ..... 4" x 36" / 2,000 SFPM
Disc Size / Speed ..... 6" / 3,450 SFPM
Motor ..... 5.2 Amp
Voltage ..... 110V, 1 PH, 60 Hz
Dimensions (L x W x H) ..... 17" x 14" x 11"
Shipping Weight ..... 42 lbs.

14-1/2" Capacity Gravity Feed Vertical Saw

1 HP, 230V, 1 PH Motor

FEATURES:
- Accepts blades from 1/4"-3/4" wide.
- Accurate gravity feed with hydraulic speed control and depth stop.
- Rugged simple construction for easy maintenance and long service life.
- Speeds (4): 70-525 SFPM
- Shipping Weight: 700 lbs.

Model EF-1459
Part No. 6-398-005
$8,295.00
FINANCE AS LOW AS **$187.38/mo.**
CALL FOR DETAILS

KING 10" x 18" Horizontal Bandsaw

NEW!

Model KC227-2
(2 HP, 230V, 1 PH)
Part No. 6-125-044

(2 HP, 575V, 3 PH)
Part No. 6-125-044C
$4,499.00
FINANCE AS LOW AS **$107.23/mo.**
CALL FOR DETAILS

2 FULL YEAR WARRANTY

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

SPECIFICATIONS:
Round Capacity at 90° ..... 10"
Rectangular Capacity at 90° ..... 10" x 18"
Rectangular Capacity at 45° .... 7" x 9-3/8"
Blade Size ..... 1" x 122"
No. of Blade Speeds 4
Shipping Weight ..... 925 lbs.

KING 17" Variable Speed Metal/Wood Cutting Bandsaw

2 HP, 220V, 3 PH Motor

FEATURES:
- (2) 4" dust chute for dust collector hook-up.
- Variable frequency drive speed control & digital display for blade speed in feet/min.
- Cast-iron table tilts 5° left/45° right.
- Complete with a 1/2" x 6 TPI wood cutting blade, a 1/2" x 10 TPI metal cutting blade, laser guide, work lamp, miter gauge, and Precision "TRU-RIP" Aluminum Rip Fence with resaw guide.

NEW!

Model KC-1700WM-VS
Part No. 6-125-169
$3,799.00
FINANCE AS LOW AS **$90.55/mo.**
CALL FOR DETAILS

SPECIFICATIONS:
Cutting Capacity (frame to blade) ..... 16-1/4"
Table Size ..... 23-1/2" x 17"
Blade Size ..... 131-5/8" x (1/8"-1") x .025"
Height to Cut ..... 12"
Motor ..... 7 Amp
Voltage (input power) ... 220V, 1 PH, 60 Hz
Speed Var. (wood) ..... 540-3,600 SFPM
Speed Var. (metal) ..... 100-650 SFPM
Weight ..... 440 lbs.

2 FULL YEAR WARRANTY

KING 10" x 18" V.S. Swivel Mitre Bandsaw

Model KC-228S-V
(2 HP, 230V, 1 PH)
Part No. 6-125-049

(2 HP, 600V, 3 PH)
Part No. 6-125-049C
$6,199.00
FINANCE AS LOW AS **$140.03/mo.**
CALL FOR DETAILS

2 FULL YEAR WARRANTY

FEATURES:
- Powerful 2 HP motor.
- Swivel base from 0° to 45°.
- Exclusive position adjustable 24V control panel & auto shut-off.
- Coolant system with regulator valves provide an even flow of coolant to the blade.
- Carbide ball bearing blade guides.
- Variable Blade Speeds: 73-312 FPM
- Adjustable hydraulic down feed control.
- TRU-LOCK™ quick locking vise system.

KING 7" x 12" Horizontal/ Vertical Bandsaws

NEW!

2 FULL YEAR WARRANTY

MODEL KC-712BC FEATURES:
- Hydraulic feed control.
- Built-in coolant system.
- Portable - Take this machine to the job and plug it in.
- Shipping Weight: 350 lbs.

MODEL KC-712GH-5 FEATURES:
- Hydraulic feed control.
- Built-in coolant system.
- Direct gear drive of blade wheel.
- Portable - Take this machine to the job and plug it in.
- Shipping Weight: 355 lbs.

Model KC-712BC
Part No. 6-125-041
$1,399.00

Model KC-712GH-5
Part No. 6-125-042
$1,999.00

COMPLETE WITH:
- Wheel Kit
- Saw Blade
- Vertical Work Table
- Manual & Parts List

MODEL KC-712GH-5 with Gear Drive

SPECIFICATIONS:
Blade Size ..... 3/4" x 93"
Capacity ..... 7" ● / 7" x 12" ■
Blade Speeds ..... (4) 85-235 SFPM
Motor ..... 1 HP, 110V, 1 PH
Spindle Speeds ..... 70 - 4,200 RPM

13" Drill Presses

1/2 HP with Dual Laser Guide System

Model KC-116N
Part No. 6-125-020
$329.99

Model KC-116FN
Part No. 6-125-021
$379.99

2 FULL YEAR WARRANTY

FEATURES:
- 5/8" drill chuck and key included.
- 45° tilting table for angular drilling.
- Cast-iron pulleys reduce vibrations.
- Comes with non-slip rubber feed handles.
- Light socket incorporated into drill press head.
- Spindle is supported by high quality ball bearings.
- Locking depth stop for repetitive blind hold drilling.

SPECIFICATIONS:	KC-116N	KC-116FN
Chuck Size	5/8"	5/8"
Swing	13"	13"
Stroke	3-1/8"	3-1/8"
Table Size	12-13/16"	12-13/16"
Spindle Taper	2 MT	2 MT
Speeds (16)	220-3,600 RPM	220-3,600 RPM
Shipping Weight	145 lbs.	175 lbs.

17" & 22" Drill Presses

NEW!

Model KC118FC
17" Drill Press
Part No. 6-125-022
$625.00

Model KC122FC
22" Drill Press
Part No. 6-125-023
$1,049.00

MODEL KC-122FC

2 FULL YEAR WARRANTY

FEATURES:
- Powerful 1 HP motor.
- Drill chuck and key included.
- Tilting table for angular drilling.
- 22" drill has 5/8" t-slot on table.
- Cast-iron pulleys reduce vibrations.
- Spindle is supported by high quality ball bearings.
- Light socket incorporated into drill press head.

SPECIFICATIONS:	KC-118FC	KC-122FC
Drilling Capacity	3/4"	1-1/4"
Chuck size	5/8"	3/4"
Swing	17"	22"
Stroke	3-1/4"	4-3/4"
Table Size	13-3/4"	18-3/4" x 16-1/4"
Spindle taper	2 MT	4 MT
Speeds (16)	240-3,400 RPM	(12) 150-4,200 RPM
Shipping Weight	215 lbs.	360 lbs.

28" Variable Speed Gear Head Drill Press

FEATURES:
- Powerful 2 HP spindle motor, 600V, 3 PH for mild steel.
- Heavy-duty t-slot work table with coolant through and built-in coolant system.
- Power quill feeds disengages at preset depth.

Model KC50
Part No. 6-125-025C
$4,999.00
FINANCE AS LOW AS $119.15/mo.
CALL FOR DETAILS

2 FULL YEAR WARRANTY

SPECIFICATIONS:

Variable Spindle Speeds (2)	60-1,870 / 120-1,740 RPM
Drilling Capacity	1-1/2"
Swing	27-1/2"
Table Size	22" x 22"
Spindle Taper / Travel	4 MT / 7"
Max. Dist. Chuck to Table	26"
Shipping Weight	1,310 lbs.

10" x 54" CNC Vertical Milling Machine

With 3-Axis Acu-Rite G2 CNC Control

PRICE REDUCED
SAVE $2,400!
Was $43,495.00

Model KBC-3VS-G23
(230V, 3 PH)
Part No. 6-265-006-G23

(575V, 3 PH)
Part No. 6-265-006C-G23
$40,995.00
FINANCE AS LOW AS $874.42/mo.
CALL FOR DETAILS

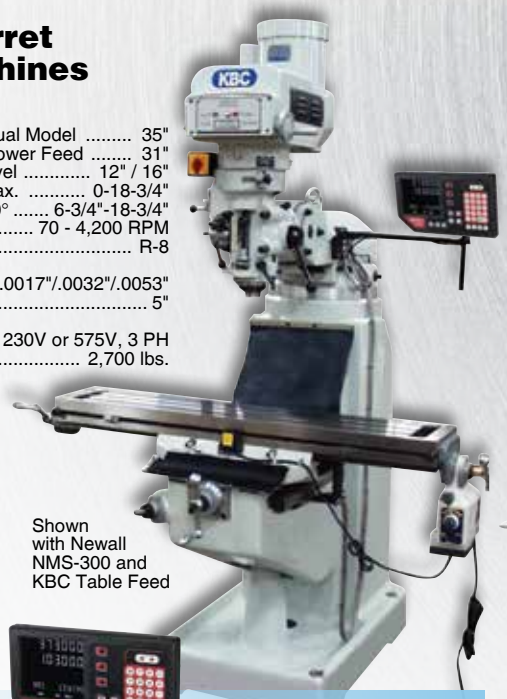
FEATURES:
- 3 HP, 3 PH Motor
- 10" x 54" hardened and ground table with precision hardened ground ways.
- Acu-Rite G2 CNC control is easy to learn & simple to use.
- Control features canned cycles for all regular milling and drilling jobs, just fill-in the blanks to complete a program.
- Reliable mechanical V.S. Mill head delivers full torque over entire speed range.
- Heavy-duty box ways on knee and column with extra wide saddle for added rigidity.
- Shipping Weight: 3,200 lbs.

9" x 49" Turret Milling Machines

SPECIFICATIONS:

Longitudinal Travel Manual Model	35"
Longitudinal Travel w/ Power Feed	31"
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	R-8
Power Quill Feeds (per rev.)	.0017"/.0032"/.0053"
Quill Travel	5"
Spindle Motor Step Pulley	3 HP, 230V or 575V, 3 PH
Shipping Weight	2,700 lbs.

3 HP Variable Speed Head!



Shown with Newall NMS-300 and KBC Table Feed

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

(575V, 3 PH)
Part No. 6-265-007C
$10,995.00
FINANCE AS LOW AS $241.88/mo.
CALL FOR DETAILS

Complete with NEWALL NMS-300 2-Axis Digital Readout & Table Feed INSTALLED!

(230V, 3 PH)
Part No. 6-265-007-N3

(575V, 3 PH)
Part No. 6-265-007C-N3
$12,995.00
FINANCE AS LOW AS $285.88/mo.
CALL FOR DETAILS

Milling Drilling Machine

FEATURES:
- Table control hand wheels have large micrometer dials graduated in .001".
- Head swivels 360° and is easily raised and lowered.
- Complete with 3" face cutter, 1/2" chuck with key, 3-1/2" angle vise, and safety guard.
- Spindle is equipped with four heavy-duty tapered roller bearings.

Model PDM-30
Part No. 6-125-030
$2,299.00

2 FULL YEAR WARRANTY

Optional Floor Stand
Part No. 6-125-030S
$279.99

SPECIFICATIONS:

Drilling Capacity	1-1/4"
Max. Distance Spindle Nose to Table	18-7/8"
Swing	16-1/2"
Spindle Taper / Stroke	R8 / 5"
Diameter of Column	4-3/4"
Speeds (12)	150-2,500 RPM
Face Mill / End Mill Capacity	3" / 3/4"
Max. Longitudinal Travel	17"
Cross Travel	7-1/4"
Working Area of Table	8-1/4" x 28-3/4"
Size of T-Slot on Table	5/8"
Motor	11 Amp
Voltage / Pre-Wired at	220V, 1 PH, 60 Hz. / 220V
Dimensions (L x W x H)	43" x 39" x 42"
Shipping Weight	675 lbs.

21" Gear Head Heavy-Duty Drill/Mill Machine

FEATURES:
- Rapid & fine manually operated quill feeds.
- 2-speed instant reversing motor for tapping.
- Heavy-duty t-slot work table with coolant trough.
- Four heavy-duty tapered roller bearings.
- Gear head direct-drive of spindle.

Model KC-40HC
(220V, 1PH) Part No. 6-125-024
(575V, 3PH) Part No. 6-125-024C
$4,999.00
FINANCE AS LOW AS $119.15/mo.
CALL FOR DETAILS

2 FULL YEAR WARRANTY

SPECIFICATIONS:

Drilling Capacity	1-1/4"
Spindle Motor	1-1/2 HP
Spindle Speeds (6)	60-1,500 RPM
Spindle Taper / Travel	R-8 / 5"
Spindle to Table Capacity	Up to 26-1/2"
Diameter of Column	4-1/2"
Table Size	23" x 7-1/2"
Shipping Weight	690 lbs.

8" Bench Drill Press

NEW!

FEATURES:
- 1/2" Drill chuck & arbor.
- 2 Year Warranty.

Model KC-108C
Part No. 6-125-019
$99.99

SPECIFICATIONS:

Drilling Capacity	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"
Motor	115V, 1 PH, 2.5 AMP
Shipping Weight	41 lbs.

10" x 54" Heavy-Duty Milling Machines

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

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
Shipping Weight	3,500 lbs.	3,500 lbs.

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

KBC

Complete with NEWALL NMS-300 2-Axis Digital Readout & Table Feed INSTALLED!

Model TUM-3VS
(230V, 3 PH) Part No. 6-265-006
(575V, 3 PH) Part No. 6-265-006C
$12,495.00
FINANCE AS LOW AS $274.88/mo.

(230V, 3 PH) Part No. 6-265-006-N3
(575V, 3 PH) Part No. 6-265-006C-N3
$14,250.00
FINANCE AS LOW AS $313.49/mo.

Model TUM-40VS
(230V, 3 PH) Part No. 6-265-009
(575V, 3 PH) Part No. 6-265-009C
$13,995.00
FINANCE AS LOW AS $307.88/mo.
CALL FOR DETAILS

(230V, 3 PH) Part No. 6-265-009-N3
(575V, 3 PH) Part No. 6-265-009C-N3
$15,750.00
FINANCE AS LOW AS $343.04/mo.
CALL FOR DETAILS

FREE TOOLING

with Purchase of any KBC Mill / DRO Package

$327.84 Value!

- 13 Pc. Collet Set (1-519-020)
- 52 Pc. Clamp Kit (1-904-20402)
- 10 Pc. End Mill Set (5-300T-050)

13" V.S. Bench Mill

1 HP, 110V, 1 PH Motor with Digital Spindle Speed Indicator

FEATURES:
- Micrometer dials graduated in .001" increments.
- Four heavy-duty taper roller bearings.

COMPLETE WITH:
- 1/2" Chuck
- Safety Guard
- R8 Chuck Arbor

Model KC-20VS
Part No. 6-125-035
$1,999.00

SPECIFICATIONS:

Max. Spindle Nose to Table	13"
Drilling Cap. (cast-iron/steel)	3/4" / 5/8"
Swing	13"
Spindle Taper / Stroke	R8 / 2"
Speeds (2-Variable)	50-1,125 / 100-2,250 RPM/tr/min
Max. Travel	18-7/8" x 6-7/8"
Shipping Weight	285 lbs.

NEW!

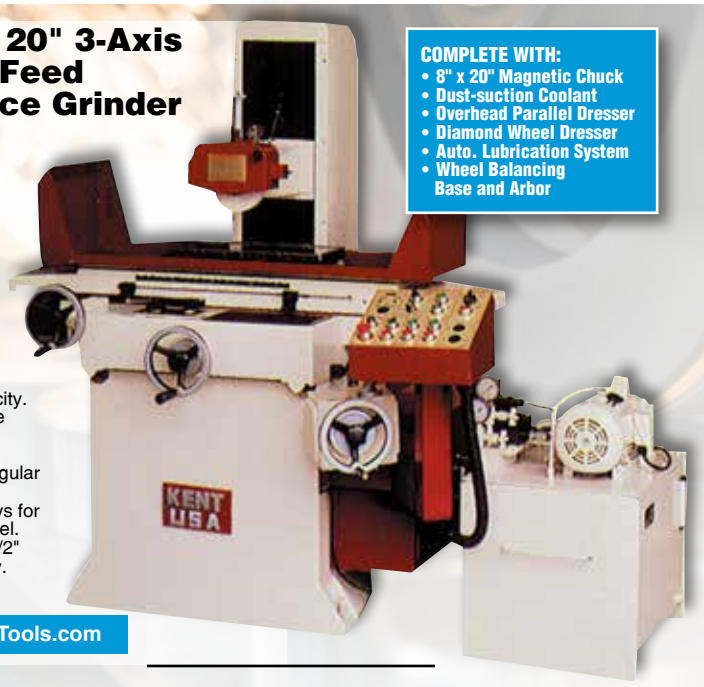
2 FULL YEAR WARRANTY

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

Model SGS-1020AHD
Part No. 6-273-015
$29,495.00
FINANCE AS LOW AS **$629.13/mo.**
CALL FOR DETAILS

FEATURES:
- 10" x 20" grinding capacity.
- 2 HP, V-3 Grade spindle motor. 3-axis auto-feed.
- Precision cartridge type spindle with ABEC-7 angular contact ball bearings.
- "V" and flat Turcite® ways for smooth longitudinal travel.
- High column gives 19-1/2" spindle to table capacity.

COMPLETE WITH:
- 8" x 20" Magnetic Chuck
- Dust-suction Coolant
- Overhead Parallel Dresser
- Diamond Wheel Dresser
- Auto. Lubrication System
- Wheel Balancing Base and Arbor



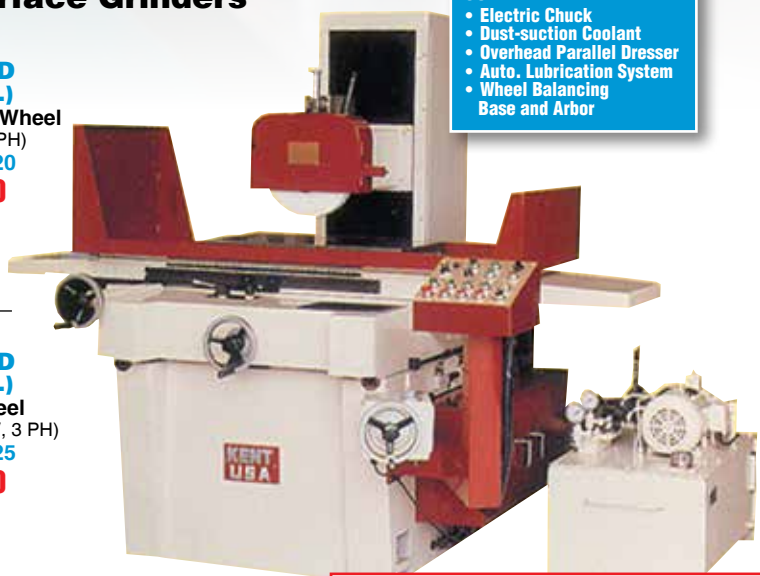
More Info. @ KBCTools.com

KENT USA 3-Axis Auto Feed Surface Grinders

Model SGS-1230AHD (12" x 30" Cap.)
14" x 1-1/4" x 5" Wheel
(5 HP, 230/460V, 3 PH)
Part No. 6-273-020
$38,995.00
FINANCE AS LOW AS **$831.76/mo.**
CALL FOR DETAILS

Model SGS-1640AHD (16" x 40" Cap.)
14" x 2" x 5" Wheel
(7-1/2 HP, 230/460V, 3 PH)
Part No. 6-273-025
$56,995.00
FINANCE AS LOW AS **$1,149.59/mo.**
CALL FOR DETAILS

COMPLETE WITH:
- Electric Chuck
- Dust-suction Coolant
- Overhead Parallel Dresser
- Auto. Lubrication System
- Wheel Balancing Base and Arbor



SYNTHETIC LUBRICANTS INC.
FREE
5 Gallon Pail of GRINDZAL™
Pure Synthetic Grinding Coolant
Part No. 1-123-065
BIODEGRADABLE
with Purchase of any Surface Grinder
$154.07 Value!

DON'T SEE THE MACHINE YOU NEED?

Shop KBCTools.com or email us with your specific needs at machinery@KBCTools.com

KING 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
$4,999.00
FINANCE AS LOW AS **$119.15mo.**
CALL FOR DETAILS

COMPLETE WITH:
- 6" 3-Jaw Chuck
- 8" 4-Jaw Chuck
- 1/2" Drill Chuck
- Imperial and Metric Gears
- Quick-Change Toolpost
- Steady and Follow Rest
- 10" DI-4 Camlock Face Plate
- Thread Chasing Dial Indicator
- 3 MT Dead Center
- 3 MT Arbor Taper
- Full Length Splash Guard
- Chuck & Hex Keys

KING INDUSTRIAL 16" x 40" High Precision Toolroom Metal Lathe

FEATURES:
- 4-way power feed of apron and cross-slide.
- Bed ways are hardened and precision ground.
- Powerful 4 HP drive motor.
- Gearhead spindle drive with hardened & ground gears.
- 16 spindle speeds 45-1,800 RPM.
- Combination inch/metric graduated dials.
- Lathe chuck safety guard automatically shuts lathe off when lifted.
- Shipping Weight: 3,250 lbs.

Model KC-1640ML
(230V, 3PH) Part No. 6-125-064
(575V, 3PH) Part No. 6-125-064C
$12,999.00
FINANCE AS LOW AS **$285.97/mo.**
CALL FOR DETAILS

2 FULL YEAR WARRANTY

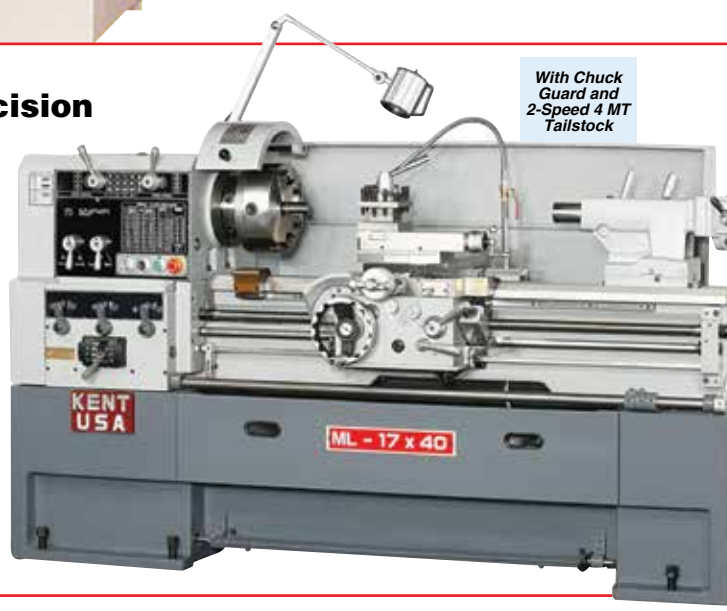
KENT USA 17" x 40" High Precision Engine Lathe

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

FEATURES:
- Instant feed reverse on apron.
- Full-length safety foot brake.
- Inch dials and leadscrews.
- Thread chasing dial.
- Solid 1 piece cast iron base.
- Hardened and ground gears and bedways.
- Centralized lube system in headstock.

Model ML-1740T
Part No. 6-273-064
$26,995.00
FINANCE AS LOW AS **$575.80/mo.**
CALL FOR DETAILS

With Chuck Guard and 2-Speed 4 MT Tailstock



KING INDUSTRIAL 14" x 40" Gearhead Metal Lathe

2 HP, 220V, 1 PH Motor

FEATURES:
- 4-way power feed of apron & crosslide.
- Combination inch/metric graduated dials.
- Lathe chuck safety guard automatically shuts lathe off when lifted.
- Speeds (7): 70-2,000 RPM.
- Gearhead spindle drive with hardened and ground gears.
- Bed ways are hardened and precision ground.
- Shipping Weight: 1,375 lbs.

Model KC1440ML-6
Part No. 6-125-062
$6,499.00

FINANCE AS LOW AS **$146.81/mo.**
CALL FOR DETAILS

COMPLETE WITH:
- Work Light
- Chuck Guard
- E-Stop Button
- Full-Length Rear Chip Guard
- Coolant System
- 12" 4-Jaw Chuck
- 8" 3-Jaw Chuck with Inside & Outside Jaws
- Thread Dial Indicator

KENT USA 22" & 26" Swing Large 4" Bore Engine Lathes

COMPLETE WITH:
- 12" 3-Jaw Chuck
- 16" 4-Jaw Chuck
- 20" Face Plate
- 8" Steady Rest
- 1-3" Follow Rest
- 4-Way Toolpost
- Thread Chasing Dial
- Coolant System
- Full-Length Splash Guard
- Work Light
- Standard Tools

FEATURES:
- 10 HP main spindle motor.
- Inch dials and leadscrews.
- Clutch style headstock.
- Safety foot brake.
- Jog button, 4-way rapid traverse.
- Centralized lube system in headstock.
- Hardened and ground gears and bedways.

SPECIFICATIONS:

Swing Over Bed	22" / 26"
Swing Over Cross Slide	12-1/2 / 16-1/2"
Swing Over Gap	30" / 34"
Distance Between Centers	60" / 80" / 120"
Spindle Speeds (12)	36-1,600 RPM
Spindle Nose/ Spindle Bore	D1-8/4.12"
Threads Standard	32 (2 to 28) TPI
Threads Metric Pitch	22 (1 to 14) MM
Tailstock Quill Travel/Taper	6" / 5 MT
Main Motor	10 HP, 230/460V, 3 PH
Shipping Weight	7,900 / 8,900 / 9,180 lbs.

DON'T SEE THE MACHINE YOU NEED?
Shop KBCTools.com or email us with your specific needs at machinery@KBCTools.com.

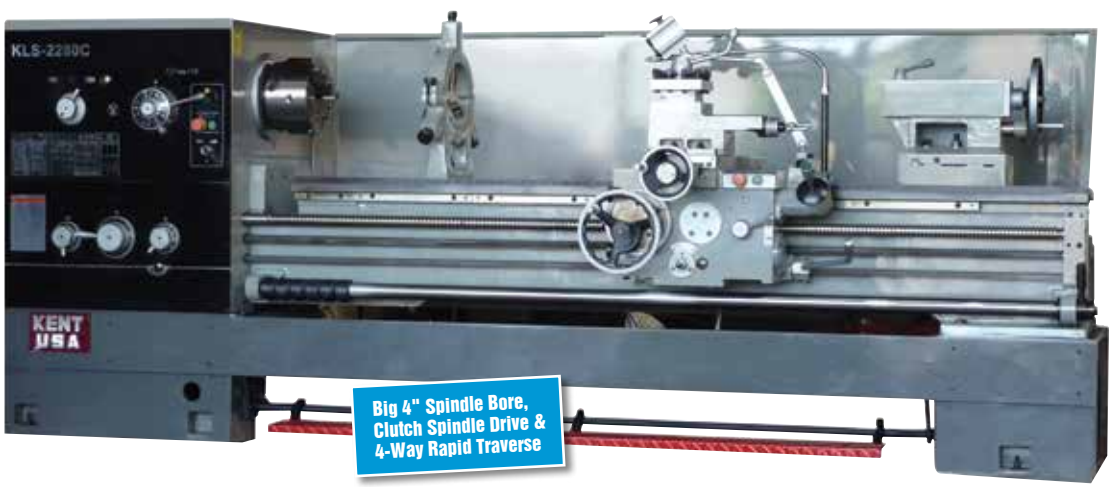
Complete with **NEWALL** NMS-300 or DP-700 Digital Readout ***INSTALLED!***

Model KLS-2260C (22" x 60")	Part No. 6-273-067 **$27,595.00** FINANCE AS LOW AS **$585.60/mo.**	Part No. 6-273-067-N3 **$29,595.00** FINANCE AS LOW AS **$631.26/mo.**
Model KLS-2280C (22" x 80")	Part No. 6-273-068 **$29,195.00** FINANCE AS LOW AS **$622.73/mo.**	Part No. 6-273-068-N3 **$31,895.00** FINANCE AS LOW AS **$680.32/mo.**
Model KLS-26120C (26" x 120") Supplied with Newall DP-700 Digital Readout	Part No. 6-273-069 **$34,995.00** FINANCE AS LOW AS **$746.44/mo.** CALL FOR DETAILS	Part No. 6-273-069-N **$40,995.00** FINANCE AS LOW AS **$874.42/mo.** CALL FOR DETAILS

COMPLETE WITH:
- Face Plate
- 4-Way Toolpost
- 10" 3-Jaw Chuck
- Toolbox with Tools
- Halogen Work Light
- Coolant System with Full Length Rear Splash Guard
- Steady Rest & Follow Rest

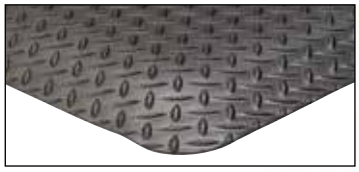
SPECIFICATIONS:

Swing Over Bed	17"
Swing Over Cross Slide	11-7/8"
Swing Over Gap	24-1/2"
Center Distance	40"
Spindle Nose/Bore	D1-6 Camlock/3-1/8"
Speeds (12)	36-1,800 RPM
Thread Cutting Range	
Standard Whit-worth (45)	2-72 TPI
Metric Pitch (39)	0.2-14 mm
Tailstock Spindle Travel	5"
Shipping Weight	4,510 lbs.



Anti-Fatigue Matting

DIAMOND FOOT™ Black



Durable vinyl surface bonded to a resilient, Ergo Flex™ closed-cell foam, provids 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.

Limited 3 year warranty against wear & delamination.

24" x 36" (9 lbs.)
Part No. 1-913-442S2436 **$46.18**
Reg. Net Price $54.33

36" x 60" (22 lbs.)
Part No. 1-913-442S3660 **$115.41**
Reg. Net Price $135.78

NEBO SLYDE™ King Rechargeable Flashlight and Work Light

With all the features that you would expect from a SLYDE...and more! The SLYDE KING is equipped with programmable memory settings for each light mode, a new COB red light function, a 4x adjustable zoom and best of all...it's rechargeable!

LIGHTING MODES

Mode	Lumens	Run Time (Hours)	Viewing Distance
Flashlight	330	2	123 M
Work Light	250	4.25	22
Red Light	40	4.75	7
Red Flash	40	24	7

FEATURES:
- Convex lens.
- Tactical edge.
- Dimmable beam.
- Powerful magnetic base.
- Side-positioned ON/OFF button.
- Anodized aircraft-grade aluminum: water and impact-resistant.
- Powered by 1 Li-ion rechargeable battery included (3-4 hour rechargeable time).
- Work light automatically turns ON when opened.
- Micro USB to USB cable included.

NEW!

SPECIFICATIONS:
Length Compacted / Extended ... 6-7/8" / 9"
Diameter Barrel ..... 1-1/4"
Diameter Head ..... 1-3/4"
Weight ..... 0.8 lbs.

Part No. 1-541-6434
Reg. Net Price $61.98
$55.78

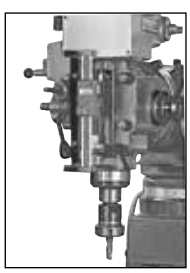
COILHOSE PNEUMATICS Filter, Regulator, and Lubricator Trios

Heavy-duty filter, regulator, and lubricator trio assemblies provide valuable time savings when installed.

FEATURES:
- Compact assembly.
- Faster installation time.
- Gauge packaged uninstalled for installation on either side.
- Plastic bowl is standard on filters and lubricators.
- These units also come standard with a gauge.
- Standard on regulators is 0-125 PSI.

Pipe Size (NPT)	Heavy-Duty Trios		
	Part No. 1-816-	Reg. Net Price	SALE!
1/4"	-8882AAG	$264.35	$224.70
3/8	-8883AAG	264.35	224.70

Mitutoyo Quill Kit with ABSOLUTE Encoder



Easy installation fits most vertical knee mills.

FEATURES:
- Push button controls for inch/mm, zero-set and on/off.
- Easy to read LCD with resolution of .0005" (0.01mm). 0-5" travel inch/mm.
- Powered by a single SR-44 battery lasting about 1 year with normal use.
- SPC Output for data transmission to data processors or a remote display.

MeasurLink® SPC Compatible

Part No. 1-808-053906
Reg. Net Price $388.00
$329.80

electrix Portable Magnetic Base

NEW!

FEATURES:
- 20° beam spread.
- 9' grounded cord and plug.
- Dust-free vinyl coated industrial strength flexible gooseneck.
- Metal shade with a 22" reach magnetic base.
- 6 watt, 120V LED lamp produces 370 lumens.
- Push button on/off switch with rubber boot.

Model 7842
Part No. 1-541-7842
Reg. Net Price $181.63
$154.39

TITAN Mig Wire Utility Pliers

NEW!

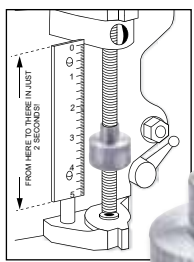
Dimensions:
0.7" x 3.3" x 11.4"

Specifically designed for use with mig welders.

Part No. 1-701-11448
Reg. Net Price $25.51
$21.68

MORTON machine works Button Thread® Quill Stop

For all Bridgeport-type mills or any 1/2"-20 stop rod.



FEATURES:
- Easily installed.
- Touching button lets nut slide up and down.
- All steel construction with engraved graduations.
- Turning the nut gives precision micrometer adjustments of .001".
- Releasing the push button locks the nut in place.

Part No. 1-541-QN30
Reg. Net Price $56.58
$50.92

ALIGN Variable Speed Power Table Feed

FEATURES:
- Electrical and mechanical parts are made for easy maintenance.
- Design assures long trouble-free life.
- Special electrical relay protects against damage caused by power failure.

Smooth Running

Part No. 2-011-211
Reg. Net Price $596.75
$507.24

SPECIFICATIONS:
Input Voltage ..... 110V, 50/60 Hz., 1PH
Speed Range ..... 4-160 MAX 200 RPM
Operating Torque ..... 150 in/lbs.

TASCO Nextera® Over-the-Head Earmuff

The most comfortable, highest powered muff type ear protector in the industry. Heavy weight, high band pressure and high cost are no longer necessary to get the best.

Part No. 1-700T-3006 **$32.48**
Reg. Net Price $38.21

FEATURES:
- Two point suspension for even pressure distribution.
- Sewn, foam filled head pad for optimal comfort.
- Soft-Seal™ ear cushions provide maximum acceptance & comfort.
- NRR = 30, highest rated anywhere.
- Tested at NVLAP accredited laboratory.
- Meets CSA Class AL.

MADE IN THE USA

MEMPHIS GLOVES Leather Gauntlet Cuff Gloves

FEATURES:
- Made of C grade split cow shoulder leather.
- 4.5" rubberized safety cuff.
- Gray fabric with red stripe back.

APPLICATIONS:
- Landscaping
- Automotive Assembly

Excellent protection at an affordable price!

1 Pair, Size: Large **$6.74**
Part No. 1-700-002

3 Pack, Size: Large **$19.25**
Part No. 1-700-017

CREWS GLASSES An MCR Safety Brand Law® Over The Glass Clear Safety Glasses

Anti-Fog

VALUE NEW!

FEATURES:
- Exclusive Duramass® scratch resistant coating.
- Non-slip TPR temples give the user comfort and grip and the wrap-around style allow improved angular coverage and peripheral vision.
- Dielectric design, no metal parts.
- 5 position ratchet action temple allows lens angle adjustment.
- Rugged polycarbonate lens filters 99.9% of harmful UV rays.
- Oversized frame and lens to fit over prescription glasses.

Silver Temple Color
Part No. 1-711-OG110AF
$9.21

LiftAll® LoadHugger Ratchet Tiedown Flat Hooks

Secure your loads with these quality tiedowns!

MADE IN THE USA

FEATURES:
- Meet all DOT, CHP, and CVSA requirements.
- Flexible, conforms to and controls the load.
- Ratchet assembly allows fast, easy adjustment.

LiftAll Code: 61002
Part No. 3-003-30001 **$40.12**
Reg. Net Price $47.20

2" WIDE ASSEMBLIES:
- Long Handle Ratchet
- 18" Fixed End Length
- 30 ft. Standard Assembly Length
- Ultimate Strength - 10,000 lbs.
- Working Load Limit - 3,300 lbs.

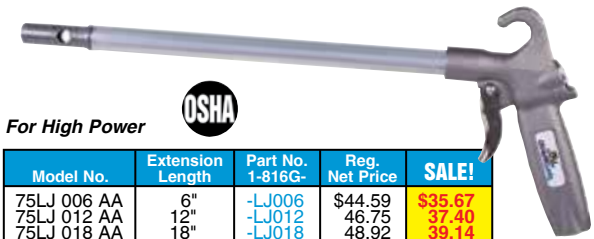
KENNEDY 7-Drawer 20" Machinists' Chest

FEATURES:
- Vinyl cushioned, steel core top handle.
- 6 adjustable drawer dividers.
- Drawers and top till wool felt-lined.
- Two piece welded I-beam drawer slides hold up to 90 lbs. per drawer.
- Weight: 35 lbs.

Model 520
20-1/8" x 8-1/2" x 13-5/8"
Part No. 1-823-00001
Reg. Net Price $607.60
$546.84

GUARDAIR® Long John® Extended Reach Safety Air Guns

save 20%



FEATURES:
- Venturi nozzle delivers 100% more thrust compared to conventional air guns.
- Cleans hard to reach areas.

For High Power

OSHA

Model No.	Extension Length	Part No. 1-816G-	Reg. Net Price	SALE!
75LJ 006 AA	6"	-LJ006	$44.59	$35.67
75LJ 012 AA	12"	-LJ012	46.75	37.40
75LJ 018 AA	18"	-LJ018	48.92	39.14
75LJ 024 AA	24"	-LJ024	51.09	40.87

The main flow of air exits through the nozzle tip and full plant air pressure is available to move and dislodge debris. In addition, a small portion of the main flow is diverted through slots around the periphery of the nozzle to form a protective air cone. Helps prevent chips and other debris from "flying back" towards the operator. Should the tip become blocked, the entire air flow is diverted through the slots. Under these conditions pressure at the nozzle tip is held to less than 30 PSI, satisfying OSHA safety standards.

KÄRCHER Wet/Dry Vacuums

These Wet/Dry Vacuums provide powerful cleaning performance and unrivaled filtration technology. A top mount filter location means easy, sealed access to the filter without recirculating dust. An 1800-watt motor delivers superior air flow into gallons of usable wet or dry capacity. Durable construction for years of use. The WD5/5P have a built-in blower that quickly moves dirt and debris from hard-to-reach areas. The WD5P has an onboard power tool outlet with auto start and stop that delivers on-the-job, hands-free convenience.

Tank Size (Gallons)	Air Flow (CFM)	Weight (lbs.)	Part No. 1-831-	Reg. Net Price	SALE!
5.3	78	15.65	-WD4	$246.45	$209.48
6.6	76	18.75	-WD5	263.48	223.96
6.6*	76	18.75	-WD5P	309.98	263.48

* Has on-board power tool outlet with auto start/stop.

INCLUDED ACCESSORIES:
- Standard Floor Nozzle
- Hand Grip Nozzle
- Extension Wand
- Pleated Filter
- Crevice Tool
- Fleece Bag
- Hose

NEW!

SPECIFICATIONS:

Peak HP	2.5 HP
Amps	15 AMP
Voltage	120V
Hertz	60 Hz
Watts	1,800 W
Hose	1.35" x 7.2'
Power Cord Length	16'

ProTap® High Performace Cutting Fluid

Outstanding high performance cutting fluid that's 100% biodegradable and totally free of all regulated chemicals. You can use this cutting fluid with complete confidence for any cutting operation on any metal.

It provides excellent performance for hard metals (stainless steel). Will not stain or change the properties of even soft metals (aluminum). Regardless of the cut, heat dissipation is rapid and the resultant finish is ultra-fine. Clean up is easy too.

NON-OZONE DEPLETING

Description	Part No. 1-444-	Reg. Net Price	SALE!
4 oz. Spout Top	-30004P	$5.37	$4.83
16 oz. Spout Top	-30016P	17.09	15.38
1 Gallon Can	-30128P	102.53	92.28

Hand Held Optical Refractometer

Zebra Skimmers

0-32 Brix Scale

FEATURES:
- Locknut for calibration.
- Comfortable eyepiece.
- Easy to read, bright scale.
- Adjustable focus for easy reading.
- Textured sleeve for easy gripping.

SPECIFICATIONS:
Accuracy ..... ±.2%
Graduation ..... Fifths
Dimensions ..... 1.5" Dia. x 7"

Supplied with a carrying case.

Part No. 1-122-022
Reg. Net Price $233.74
$198.68

L Series Disk Skimmer

Zebra Skimmers

FEATURES:
- Handles heavy oil loads.
- Heavy-duty steel construction.
- Continuous duty fan cooled motor.
- Does not retrofit for use with Diverter™.
- Reach: 4-1/2", Access: 1" x 12"

Lifetime warranty on disk and wipers.
Two year warranty on all other parts.

LH300 Skimmer
Part No. 1-122-010
Reg. Net Price $365.92
$311.03

Tool Black® Liquid

PRECISION BRAND

FEATURES:
- Imparts a tough, dull black protective finish to most ferrous metal parts.
- No special ventilation required and all components are VOC free.
- Fast, inexpensive alternative to black oxide.
- Ideal for blackening prototypes and repair parts, along with architectural and design projects.

1 Quart
Part No. 1-958-45110
Reg. Net Price $79.00
$67.15

Adjustable Coolant Hose System

LOC-LINE

1/4" ID SYSTEM

FEATURES:
- Loc-Line® is fully hand-adjustable in both position and length.
- Loc-Line® will stay in position without any springback. Creep due to machine vibration is eliminated.
- Loc-Line® is electrically non-conductive. It is ideal for use as an EDM flushing hose.

Description	Part No. 1-836-	Reg. Net Price	SALE!
1/4" Hose Segment Pack (2 - 5 3/4" segments)	-41401	$10.31	$9.28
1/4" Hose - 25 ft. Bulk Box	-49420	226.73	204.06
1/16" Round Nozzle Pack - 4 pcs.	-41402	6.80	6.12
1/8" Round Nozzle Pack - 4 pcs.	-41403	6.80	6.12
1/4" Round Nozzle Pack - 4 pcs.	-41404	6.80	6.12
1/8" NPT Connector Pack - 4 pcs.	-41405	6.80	6.12
1/4" NPT Connector Pack - 4 pcs.	-41406	6.80	6.12
1" Flare Nozzle Pack - 2 pcs.	-41407	10.31	9.28
1/4" Y Fitting Pack - 2 pcs.	-41408	10.31	9.28
1/4" Double Socket Pack - 4 pcs.	-41409	7.58	6.82
1/4" Male NPT Valve Pack - 2 pcs.	-21192	17.17	15.45
1/4" Female NPT Valve Pack - 2 pcs.	-21193	17.17	15.45
1/4" In-Line Valve Pack - 2 pcs.	-21194	17.17	15.45

Assembly Pliers

LOC-LINE

Loc-Line® Assembly Pliers make it easy to snap together Loc-Line® Hose, especially when your hands are slippery. They also make it easy to assemble in hard to reach places.

1/4" Hose Inside Diameter
Part No. 1-836-78001
Reg. Net Price $19.11
$17.20

MADE IN THE USA

5 Gallon Recirculating Parts Washer

KING CANADA

NEW!

FEATURES:
- Thermally protected 110V motor and ON/OFF switch.
- 3 way filtration traps grime.
- Safety lever has fusable 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.
- Fusable link fire safety feature.
- CSA approved electrics.

Part No. 6-125-135
$69.99

UNIVERSAL™

SYNTHETIC LUBRICANTS INC.

PURE SYNTHETIC LUBRICOOLANT

BIODEGRADABLE

FEATURES:
- The one product designed to handle all metalworking applications in the shop. (For dedicated grinding applications use GRINDZAL™).
- Good rust protection, excellent boundary, and does not contain sulfur, nitrates, mineral oils, or heavy duty salts.
- Biodegradable and exhibits excellent safety with ease of disposal. When properly cleaned of tramp oils and metal fines, residual should be compatible with local codes. User must comply with local regulations.

MADE IN THE USA

WATER SOLUBLE!

1 Gallon Bottle
Part No. 1-123-030
Reg. Net Price $35.60
$32.04

GRINDZAL™

SYNTHETIC LUBRICANTS INC.

PURE SYNTHETIC GRINDING COOLANT

BIODEGRADABLE

FEATURES:
- Specially formulated for high coolant flow operations when low foaming is critical.
- Formula has been enhanced to improve tool finish and provide superior rust protection.
- Does not interfere with magnetic chucks, and is clear and clean allowing greater visibility of your work piece.
- Biodegradable and exhibits excellent safety with ease of disposal. Must comply with local regulations.
- The best choice in all dedicated grinding applications.

MADE IN THE USA

WATER SOLUBLE!

1 Gallon Bottle
Part No. 1-123-060
Reg. Net Price $32.33
$29.10

KBC Call: 1-888-KBC-TOOL Fax: 1-800-668-5615 Web: KBCTools.com

CRESCENT

6 PC. Combination Wrenches

12 Point

NEW!

FEATURES:
- Chrome Vanadium alloy steel for long lasting durability.
- Sizes stamped on both sides.
- Fully polished for comfort and ease of use.

SAE Set
3/8", 7/16", 1/2", 9/16", 5/8", 11/16"
Part No. 1-552-CCWS0

Metric Set
8, 9, 10, 12, 13, 14mm
Part No. 1-552-CCWS1
Reg. Net Price $38.20

YOUR CHOICE $32.47

Supplied with a storage rack.

BONDHUS ProGuard DST ProTanium HIGH TORQUE STEEL

Stubby Double Ball End Extra-Long L-Wrench Sets

Save 20%

MADE IN THE USA

NEW!

FEATURES:
- Exclusive MaxTorque™ ball end.
- Extra-long length delivers 50% more torque than conventional ball ends.
- The short arm allows access to screw heads located in tight spaces straight-in or at a 15° angle.

Model #SDBLX9XL
9 Pc. Metric Set: 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm
Part No. 1-927-67099
Reg. Net Price $31.80
$25.44

Model #SDBLX13XL
13 Pc. Inch Set: .050, 1/16, 5/64, 3/L2, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4", 5/16, 3/8"
Part No. 1-927-67037
Reg. Net Price $39.27
$31.42

CHANNELLOCK

Straight Tongue & Groove Pliers

FEATURES:
- CHANNELLOCK® uses high carbon C1080 steel for superior performance on the job, and an electronic coating for ultimate rust prevention.
- CHANNELLOCK BLUE® comfort grips.
- Undercut tongue and groove won't slip.
- Right angle, laser heat-treated teeth grip better and last longer.
- PermaLock® fastener eliminates nut and bolt failure.
- Patented reinforcing edge minimizes stress breakage.

MADE IN THE USA

Model No.	Size	No. of Adjust.	Capacity	Part No. 1-820-	Reg. Net Price	SALE!
424	4.5"	3	0.50"	-424G	$23.02	$19.57
426	6.5	5	0.87	-426G	19.92	16.93
420	9.5	5	1.50	-420G	24.03	20.43
430	10.0	7	2.00	-430G	25.03	21.28
440	12.0	7	2.25	-440G	28.37	24.11
460	16.5	8	4.25	-460G	47.04	39.98

8 Pc. Drive Pin Punch Set

Save 25%

FEATURES:
- Striking head and front taper centerless ground.
- Heavy knurled finger grip.
- Shiny black oxidized finish.
- Single piece made from hardened and tempered tool steel.
- Tip hardened to 45-52 HRC.

KBC

SIZES INCLUDED:
1/16", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 5/16"

Supplied in a plastic case.

Part No. 1-397-SPC80
Reg. Net Price $19.80
$14.85

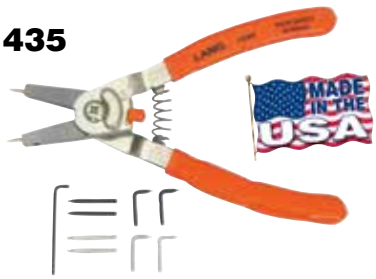
LANG TOOLS

Pliers Model 1435

5 Color Coded Pairs Of Tips
Straight Sizes: .036", .047", .070".
Bent 90° Sizes: .036", .047".

FEATURES:
- A flip of the tab and the pliers change between internal and external applications.
- Adjustable stop on the pliers jaw allows you to turn clockwise to reduce jaw opening and counter-clockwise to increase jaw opening.
- Comfort grip made of low-temp, high-impact material providing extra durability.

Supplied with a hex wrench in a master pouch for convenient storage.



External Ring Sizes 1/4" thru 2"
Internal Ring Sizes 3/8" thru 2"

Part No. 1-820-335
Reg. Net Price $40.58
$34.49

Transfer Punch Set

Save 20%

3/32" to 1/2" by 64ths.
PLUS Handy 17/32" Size!

Part No. 8-408-001
Reg. Net Price $22.48
$17.98

KBC

Screw Extractor Sets

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

KBC

5 Piece Set
#1 to #5 in a Plastic Pouch
Part No. 1-397-6716
Reg. Net Price $10.08
$9.07

12 Piece Set
#1 to #6 in a Plastic Case
Part No. 1-397-6718
Reg. Net Price $23.17
$20.85

Starrett

Angle Meter

FEATURES:
- Magnetic base frees hands when used on ferrous surfaces.
- Large readable scale for accurate reading from 0°-90° in any quadrant.
- Measures any angle, pitch or slope.
- Handy rise, run, angle, and pitch information on back of tool.

Starrett #AM-2
Part No. 1-855-36080
Reg. Net Price $18.32
$15.57

Starrett

4 Pc. Pin Vise Set

Series 162

SET INCLUDES:
- Size Ranges: 0-.187" (0-4.8mm).

FEATURES:
- Jaws are hardened, and binding nuts are nickel plated.
- Useful for holding small stock, taps, drills, reamers, scribers, wire, small files, & other tools.
- Hole extends through the full length of handles.

Starrett #S162Z
Part No. 1-855-50604
Reg. Net Price $113.85
$96.77

Milwaukee® Sawzall® Recip Saw Kit

NEW!

FEATURES:
- Maximum cut control.
- Powerful motor delivers high performance cutting in a variety of materials.
- Counter weighted mechanism provides reduced vibration for smoother operation.
- Gear protecting clutch extends gear and motor life by absorbing high impact forces caused by blade lock-ups.
- QUIK-LOK blade clamp provides fast, tool-free blade changes.
- Supplied with a carrying case.

SPECIFICATIONS:

Voltage	120V AC
Motor	12 AMP
No Load Speed	0-3,000 SPM
Stroke/Cord Length	3/4"/10'
Overall Length	19"
Tool Weight	7.1 lbs.

Part No. 1-828-6509-31
Reg. Net Price $260.40
$221.34

Campbell Hausfeld 3" Cut-Off Tool

Save 20%

FEATURES:
- Cuts through all types of materials like plastic, fiberglass, steel, composite materials and steel metal.
- 20,000 RPM provides the speed and power to cut through 1" diameter steel rods, copper & aluminum tubing, fiberglass and 1/2" of angle iron.
- Lightweight aluminum housing includes a soft comfort grip which reduces fatigue & protects against cold temperatures.

SPECIFICATIONS:

Speed	20,000 RPM
Average SCFM	11.5
Air Inlet	1/4" NPT
Wheel Diameter	3"
Tool Weight	1.6 lbs.

Model TL053500AV
Part No. 6-399-202
Reg. Net Price $74.76
$59.81

DEWALT 4-1/2" Small Angle Grinder

INCLUDES:
- Blade wrench.
- 2 position side handle.
- Keyless adjustable guard.

SPECIFICATIONS:

Spindle Thread	5/8"-11
No Load Speed	11,000 RPM
Motor	11 AMP
Length	11-1/4"
Weight	4.6 lbs.

FEATURES:
- Designed for faster material removal and higher overload protection.
- Dust Ejection System™ provides durability by ejecting dust particles that enter the tool through the air intake vents.
- Keyless adjustable guard provides tool free guard adjustment.
- Quick-Change™ Wheel Release provides easier and quicker wheel removal without the need for a wrench.
- Paddle switch lock-off provides the user protection from accidental start-up.
- Auto-off shuts the tool down when the brushes need replacing to avoid tool damage.

Part No. 1-826-D28402
Reg. Net Price $203.66
$173.11

Micro Air Die Grinder

FEATURES:
- Rear exhaust.
- Slim and comfortable design.
- Ideal for final cleaning and polishing of dies, jewelry and hobby use too.
- Built-in variable speed twist air regulator.
- Convenient hose with hose protector.
- Includes nipple and wrenches.

SPECIFICATIONS:

Free Speed	56,000 RPM
Collet Size	1/8"
Air Pressure	90 lbs. PSI
Air Consumption	2 CFM
Hose Size	3/8"
Air Inlet	1/4" NPT
Overall Length	5-1/4"
Weight	0.44 lbs.

NEW!

Part No. 1-829-6200
Reg. Net Price $66.57
$56.58

DREMEL® 200-1/15 Series Two Speed Rotary Tool Kit

FEATURES:
- Cool-running ball bearing construction for smooth and quiet operation.
- Replaceable motor brushes extend tool life.
- Click-and-set on/off switch allows precise speed selection.
- Lightweight design for comfort.

SPECIFICATIONS:

Motor	1.15 AMP
Speeds	15,000 or 35,000 RPM
Voltage	120V AC, 50-60 Hz
Cord Length	6'
Weight	18 oz.
Warranty	2 years

Model 200-1/15
Part No. 1-829-2001
Reg. Net Price $110.64
$94.04

KIT INCLUDES:
- Dremel 200 Series Rotary Tool
- Lawn Mower & Garden Tool Sharpener
- 15 Accessories

JET 3/8" Butterfly Impact Wrench

Ideal for working on small fasteners in tight work spaces.

NEW!

FEATURES:
- Small diameter hammer casing tapers at the nose for improved access in hard-to-reach areas.
- Butterfly style throttle allows instant, single hand direction changes and speed control.
- 18 positive throttle settings for pre-set operating speeds.
- Heavy-duty swivel mounted air inlet for easy access to tight places.
- Grease port on hammer casing for easy lubrication and longer service life.

SPECIFICATIONS:

Torque Working/Max.	10-60/85 ft./lbs.
Speed	11,000 RPM
Standard Bolt Capacity	3/8"
Avg. Air Consumption	2.2 CFM
Air Inlet/Pressure	1/4" NPT/ 90 PSI
Overall Length	5-7/8"
Weight	2.2lbs.

Model AW38BHD
Part No. 3-001C-400116
Reg. Net Price $251.75
$213.99

3/8" Air Drill

Save 20%

FEATURES:
- Lightweight, whisper quiet 3/8" drill.
- Through handle muffled exhaust.
- Has all ball and needle bearing spindle component support and machined planetary gearing.

SPECIFICATIONS:

Chuck Size	3/8"
Speed	2,200 RPM
Spindle Thread	3/8"-24
Average Air Consumption	4 CFM
Overall Length	6-1/2"
Weight	2-1/4 lbs.

Part No. 1-829-5515
Reg. Net Price $87.00
$69.60

SUNEX® TOOLS 8" Bench Grinder with Light

FEATURES:
- Bright, flexible work light.
- 2 Wheels: Coarse 36 grit and medium 60 grit.
- Protective spark guard and adjustable eye shield on each wheel.
- Durable cast iron base.
- Mounting holes and rubber feet.

SPECIFICATIONS:

No Load Speed	3,450 RPM
Arbor	5/8"
Motor	5 AMP, 3/4 HP
Voltage	115V/60Hz
Cord Length	6'
Weight	30 lbs.

Part No. 1-832-5002
Reg. Net Price $316.06
$268.65

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Automatic Safety Exhaust Couplers

Safe, secure leak free connections.

1/4" FPT	1/4" MPT
Part No. 1-816-150SE	Part No. 1-816-152SE
$29.86	$29.86
Reg. $49.76	Reg. $49.76

TMX

Precision V-Block Set

Part No. 2-475-040

$149.00

Reg. $731.91

4-1/8" x 4-1/8" x 3-1/16"

FEATURES:
- Capacity: 9/32" - 2-9/16".
- 2 Reversible clamps with 90° V-Block set.
- Square, parallel & centered within .0002".

36" x 36" Ottavino Surface Plate

SAVE OVER $1,160!

- Thickness: 4"
- Suction-Free
- Non-Abrasive
- OAL Bilateral Accuracy: .0002"

Part No. 1-807-745

$4590.00

Reg. $1,560.54

MADE IN THE USA

GRADE B TOOLROOM 0 LEDGE

More Details Available @ KBCTools.com

Hollow Mills

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HIGH SPEED STEEL

50% OFF

4 Teeth For Milling Steel.

Hole Dia.	Shank Dia.	OAL	Part No. 5-540-	NOW!
5/8"	1-1/4"	2"	-070	$20.93
11/16	1-1/2	2	-075	27.21
3/4	1-1/2	2	-080	27.21
15/16	1-3/4	2-1/4	-095	38.09

4" Double CNC Precision Vise

35% OFF

Part No. 8-251-040

$760.16

Reg. $1,169.48

MADE IN TAIWAN

KBC

KENNEDY

29" 7-Drawer Roller Cabinet with Ball Bearing Drawer Slides

35% OFF

For the fleet maintenance mechanic who needs large storage capacity!

Model 2907X

Part No. 1-823-10159

$1,413.63

Reg. $2,174.81

29" X 20" X 40"

BROWN WRINKLE FINISH

FEATURES:
- Triple reinforced front corners and full height slide carriers.
- End wall reinforced to give triple wall construction.
- 5" x 2" Roller bearing casters and hight ACE® security locks.
- Constructed of 18 & 16 gauge steel.

---

10 Pc. Hand Hacksaw Blade Set

10" X 1/2" X 32T

Part No. 1-445-160P

NOW ONLY! $2.99

Reg. $8.50

KBC

SAVE OVER 60%

HIGH SPEED STEEL

BISON

20" 4-Jaw Lathe Chuck Plain Back

SAVE OVER 70%

FEATURES:
- Semi-steel body.
- Scroll plate is drop forged of fine alloy steel.
- Thru-Hole Diameter: 7.4803".
- Rear mount type,

SAVE OVER $3,880!

Part No. 7-845-2000

$1,495.00

Reg. $5,381.99

KURT

PowerLock Mechanical Drawbar

50% OFF

Reduces operator fatigue and improves productivity and safety.

Part No. 8-302-BR6001

$662.63 Reg. $1,325.25

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For Bridgeport Series I STD J, R-8, Step Pulley

WILTON

8" Machinists Bench Vise

SAVE OVER $4,560!

FEATURES:
- Main stress castings are 60,000 PSI tensile.
- Extra throat depth for more working room.
- Replaceable, serrated hardened steel jaw inserts.

Part No. 1-550-800N

$1,995.00

Reg. $6,561.15

SEARS Companion 1/4 Mini Die Grinder Kit

30% OFF

- 25,000 RPM Variable Speed
- 4 CFM @ 90 PSI

Part No. 1-926-19128

$21.60

Reg. $30.85

WATERLOO

3-Drawer Utility Cart

30% OFF

FEATURES:
- Full extension 70 lb. ball bearing drawer slides with Posi-Latch® system.
- Gas struts support lid.
- Full-width lid stiffener.
- Rubber bumpers.
- Drawer liners.
- 5" x 2" casters hold 1,100 lbs.
- Tubular keyed locking system.

Top Tray Dimensions: 26.5" x 17.75" x 5"

Overall Dimensions: 34" x 20.75" x 37.25"

Model SP-UC3BK

Part No. 1-824-305

$407.87

Reg. $582.67

Weight: 104 lbs.

Color: Black

BOSCH

7-1/4" Circular Saw

SAVE OVER 45%

FEATURES:
- 120 Voltage
- 5,600 RPM
- Spindle Lock
- 15 AMP

Part No. 1-833-CS20

$149.00

Reg. $280.40

INCLUDES: 24-Tooth Carbide Blade.

Straight Diamond Wheel

KBC

FEATURES:
- 150 Grit
- 1/8" Depth
- 100 Concentration
- Resin Bonded

Part No. 1-640-151

$149.00

Reg. $486.70

TYPE D1A1

10" X 1/4" X 3"

DORIAN TOOL

Quadra Index Tool Post Basic Set

50% OFF

SET INCLUDES:
- Tool Post - QITP50.
- Holder #1 - QITP50-1.
- Holder #2 - QITP50-2.
- Holder #7C - QITP50-7C.
- Holder #881 - QITP50-881.
- Holder #20R - QITP50-20R.

Part No. QITP50-BS

$2,696.66

Reg. $5,393.32

Blades, Inserts, and boring bars not included.

Tool Post & Select Holders Available Separately

Tool Post

Tool Post

Part No. QITP50

$1,702.02

Reg. $3,404.03

Holder #1

Holder #881

Holders

Holder Style	Part No.	NOW!
Turning & Facing	QITP50-1	$193.11
Knurling	QITP50-10	153.45
Dovetail Chuck	QITP50-35	248.00
Morse Taper	QITP50-5	195.99
Cut-Off Tool	QITP50-7	157.33
Threading & Grooving	QITP50-881	144.93

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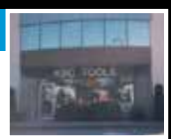

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KORLOY® **RM3 Indexable Shoulder Mills**

Versatile milling tool that meets demanding performance and capacity requirements.

FEATURES:
- Excellent results in quality and high machining stability even in the toughest cutting conditions.
- High rigidity and in clamping operations, such as shouldering, ramping, facing, slotting, and plunging, even high feed milling, the RM3 shows no signs of tool failure.

INDEXABLE END MILLS - 4000 TYPE

Cutting Dia. (D)	OAL (L)	Cutting Length (l)	Shank Dia. (d)	Part No. 1-244R-	Reg. Net Price	SALE!
1"	7.874"	1.575"	1"	-017	$287.18	$244.10
1	4.528	1.575	1	-014	252.14	214.32
1.25	7.874	1.654	1.25	-018	305.99	260.09
1.25	4.922	1.654	1.25	-015	268.65	228.35
1.50	7.874	1.654	1.25	-019	346.10	294.19
1.50	5.315	1.654	1.25	-016	303.88	258.30

Insert Style: XNKT
Cutting Depth (ap): .315"

INSERT FEATURES:
- MM Chipbreaker for general shoulder operations. High rake angle with smooth chip flow.
- Step design for good chip evacuation with low cutting force.
- Minor cutting edge wiper action for better surface finish.
- Major cutting edge has a high rake sharpened edge with two step clearance for strong clamping and rigidity improvement.

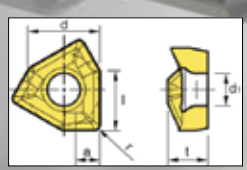
GRADE PC5300 - Excellent for high speed machining of stainless steel and general machining of alloy steel and cast iron. Recommended cutting speed 295~787 SFM.

XNKT CARBIDE INSERTS

Insert Style	r	Part No. 1-244P-	Reg. Net Price	SALE!
XNKT 080508PNER-ML*	.031"	-803	$13.66	$11.61
XNKT 080508PNSR-MM	.031	-802	13.66	11.61
XNKT 080512PNSR-MM	.047	-806	13.66	11.61
XNKT 080516PNSR-MM	.063	-807	13.66	11.61
XNKT 080520PNSR-MM	.079	-808	13.66	11.61

* Milling Light Chipbreaker: Sharp cutting edge for hard-to-cut materials with a low cutting force.

DIMENSIONS:
- a: .114"
- d: .394"
- d1: .177"
- t: .217"



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