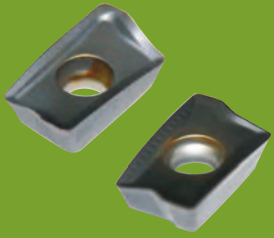


FEATURING

MAXX-EDGE

Milling Inserts



STARTING AT
\$6⁵²

PAGE 6

RAPIDKUT

4 Flute High Feed End Mills



SAVE
30%



STARTING AT
\$49⁸⁴

PAGE 9



PRM PRO

Stools



STARTING AT
\$32⁶⁰

PAGE 27



0-6" Dial-Cal Calipers
with Free Swiss Army Knife



SALE
\$130³⁵

PAGE 18

WILTON

High Visibility Safety Vises



STARTING AT
\$288⁰⁰

PAGE 52



Depressed Center Wheels



SAVE
UP TO
20%

STARTING AT
\$140

PAGE 44

HOT BUYS

7 Pc. Turning and Boring Sets

- Consists of 1) of each SCLCR, SCLCL, SCBCR, SCKCR, SCMCN, SCSCR and SCLCR toolholders, boring bar, inserts, screws, and key
- CCMT 21.51 coated inserts are used for general machining applications in steel
- Includes case



WORLD QUALITY

Tool Holder Shank	Boring Bar Shank	Order No.	Regular Price	SALE
5/16	1/4	FL5230300	152.00	91.20
3/8	5/16	FL5230400	165.00	99.00
1/2	3/8	FL5230500	184.00	110.40

C416

SURF PRO® 4-1/2" x 7/8" Arbor Economy Zirconia Flap Discs

- Zirconia abrasive for high cut rate and fast / cool cutting
- Best for welds and blending, rust removal and light deburring on ferrous and non-ferrous metals
- Heavy X-weight cloth and fiberglass
- Type 29 shape for maximum aggression (Recommended to be used at an angle of 15° to 25° for maximum aggression and high cut rate)



Grit	RPM	Type 27			Type 29		
		Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
36	13300	SP11FD457A7036Z	2.95	1.60	SP11FD457A9036Z	2.95	1.60
40	13300	SP11FD457A7040Z	2.95	1.60	SP11FD457A9040Z	2.95	1.60
60	13300	SP11FD457A7060Z	2.95	1.60	SP11FD457A9060Z	2.95	1.60
80	13300	SP11FD457A7080Z	2.95	1.60	SP11FD457A9080Z	2.95	1.60

Also available in trimmable back and zirc plus.

A640

1/2" Reduced Shank Silver & Deming Drills Sets High Speed Steel

SAVE 50%



No. of Pieces	Set Range	Case	Order No.	Regular Price	SALE
8	9/16" - 1" by 16ths	Wooden Case	AK81008	69.00	34.50
13	17/32" - 1" by 32nds	Wooden Stand	AK81013	139.50	69.75
32	33/64" - 1" by 64ths	Wooden Stand	AK81032	245.50	122.75

CT008

PRO CUT™ 20 Pc. TiN Coated End Mill Set High Speed Steel

- Set consists of one each: 2 flute & 4 flute single end - 3/16, 1/4, 1/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16 & 3/4"
- TiN coating is ideal for and difficult to machine

SAVE 30%



Order No.	Regular Price	SALE
DB50TC20E	104.95	73.47

CT007

NORTON Reinforced Cut-Off Wheels

BlueFire- New zirconia alumina and aluminum

- Up to 20% improvement over previous zirconia products oxide grain blend
- 3 times the life of aluminum oxide wheels
- Ideal for stainless steel and carbon steel applications
- Excellent performance to price ratio lowers total cutting costs

Gemini- Quality aluminum oxide

- Good choice for steel and ferrous metals
- Consistent performance at a competitive price

BLUEfire



Gemini



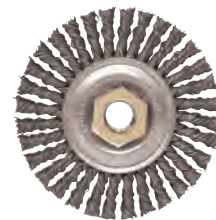
Size (in.)	Type	Max RPM	Std. Pkg.	BlueFire			Gemini		
				Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
4-1/2 x .045 x 7/8	T01	13580	25	MH60045043208	3.05	2.60	MH60040023602	2.25	1.90
4-1/2 x .045 x 5/8-11	T27	13580	20	MH60045043223	4.52	3.80	MH60040019549	3.74	3.15
4-1/2 x .045 x 7/8	T27	13580	20	MH60045043219	3.26	2.75	MH60040042026	2.42	2.05
5 x .045 x 7/8	T01	12225	25	MH60050043209	3.36	2.85	MH60050023603	2.61	2.25
6 x .045 x 7/8	T01	10185	20	-	-	-	MH60060023604	2.67	2.30
6 x .045 x 7/8	T01	10185	25	MH60060043210	3.91	3.30	-	-	-

A573

WEILER Roughneck Max Wire Wheels

Roughneck Max wheels have been re-engineered to MAXimize life, efficiency and consistency.

- Stronger, sharper wire lessens wire breakage
- Removal of rust scale, weld splatter and oxidation
- Heavy burr removal
- Weld cleaning
- High impact action
- Max. safe free speed (RPM): 20,000



MADE IN THE USA

Dia. (in.)	Wire Size (in.)	Arbor Hole	Face Width (in.)	Trim Length (in.)	Stainless			Steel		
					Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
4	.020	5/8-11	3/16	7/8	MK5113138	31.70	22.60	MK5113131	18.55	13.25

A720

HOT BUYS

airmaster 1/4 HP Industrial Wall & Pedestal Fans

- Adjustable column - 5' to 8'
- Permanently sealed ball bearing motor
- 15' Connecting cord
- Aluminum blades
- UL Listed
- 1 Year limited warranty
- UPS shippable in one carton
- UPS dimensional weight shipping rates apply



SAVE 20%

Blade Size (in.)	Style	CFM High/Med/Low	RPM High/Med/Low	Shipping Weight	Order No.	Regular Price	SALE
30	Wall / Ceiling Mount	6100/4400/2700	1100/800/600	49 lbs	PS50CA30WC	298.20	238.55
30	Adjustable Floor	6100/4400/2700	1100/800/600	87 lbs	PS50CA30AP	369.60	284.00

PS243

airmaster 1/4 HP Industrial Wall & Pedestal Fans

- Adjustable column - 5' to 8'
- 4400/3460 CFM rating
- 115V, non-oscillating, 1 phase, 3 speed, totally enclosed air over ball bearing motor
- 15' Connecting cord
- Aluminum blades
- Wall/ceiling mounts with safety cable included
- UL/ CUL listed
- 2 Year warranty
- UPS dimensional weight charges apply, ships in one box



Blade Size (in.)	Style	CFM High/Med/Low	RPM High/Med/Low	Shipping Weight	Order No.	Regular Price	SALE
24	Wall / Ceiling Mount	4400/3460/2460	1100/800/600	42 lbs	PS50CA24WC	282.10	218.00
24	Adjustable Floor	4400/3460/2460	1100/800/600	82 lbs	PS50CA24AP	359.80	277.00

PS244

airmaster 42" Belt Drive High Volume MANCOOLER®

- 1/2 HP/1PH/115V 2 speed ODP motor
- 42" Diameter barrel with wheels
- 3 Blade aluminum propeller
- 42" Blade size
- 14000/8000 CFM High/Low
- 540/400 RPM High/Low
- Epoxy coated steel spiral guards and barrel
- Two speed rocker switch
- 10' Three conductor cord and plug
- 8" Steel wheels
- Fully assembled
- UL/CUL listed
- Shipping weight 120 lbs
- 2 Year warranty



Order No.	Regular Price	SALE
PS50EMC42D	608.30	405.00

Ships by Truck F.O.B. Warren, MI

PS155

airmaster Commercial Pivot Stand Air Circulators

- Available in 12" and 18" blade dia. sizes
- 115V, 1 Phase, 3 speed, open drip proof, ball bearing motor
- Aluminum props
- Easy reach switch
- Chrome plated tubular steel base
- 10' Three conductor power cord and plug
- High stand and yoke mount adjusts 360°
- Nickel chrome guards meet OSHA regulations
- UL listed
- 1 Year commercial warranty



Blade Size (in.)	Style	CFM High/Med/Low	RPM High/Med/Low	Motor HP	Shipping Weight	Order No.	Regular Price	SALE
12	Floor Fan	1448/1165/953	1500/1350/1180	1/16	10 lbs	PS50C12LS	98.70	74.05
18	Floor Fan	2966/2437/2013	1600/1350/1180	1/8	15 lbs	PS50C18LS	135.80	101.85
18	Rolling Fan	2966/2437/2013	1600/1350/1180	1/8	23 lbs	PS50C18HS	176.40	132.30

PS575

airmaster Direct Drive 4-in-1 Fans

- One fan with four mountings that ship in the same box
- Hanging mount
- Ceiling mount
- Wall mount
- Portable
- Motor: 115V, 1 PH, 2 speed
- Guards, barrel and mountings epoxy coated
- UL listed
- UPS dimensional weight charges apply, ships in one box



Blade Size (in.)	CFM High/Low	RPM High/Low	Motor HP	Shipping Weight	Order No.	Regular Price	SALE
30	5670/4590/3410	1110/810/600	1/4	97 lbs	PS50DD3041	434.70	347.75
36	11200/8090	830/600	1/2	119 lbs	PS50DD3641	520.80	416.65

PS346

Air-King Industrial Products 1/3 HP Industrial Grade Pedestal Fan

- Motor: 3-speed, 1/3 HP, 120V, 1 phase, totally enclosed, ball bearing, permanently lubricated, permanent split capacitor
- Controls: rear mounted pull cord switch
- Power cord: black, 10', 3-conductor, SJT type
- Coating: blade, guard, and mounts are powder coated steel
- Compliance: ETL, OSHA
- UPS dimensional weight shipping rates apply



Size (in.)	HP	CFM	RPM	Order No.	Regular Price	SALE
24	1/3	5770/5250/4270	1054/869/673	PS559174	481.35	270.00
30	1/3	8780/7480/5570	1075/925/800	PS559170	481.35	270.00

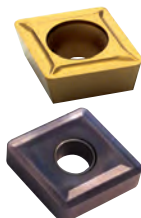
PS644

Prices Effective April 1, 2018 Thru June 30, 2018

INDEXABLE CARBIDE

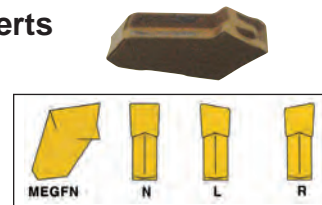
MAXX-EDGE Turning Inserts for Stainless Steel

- ME1125 Grade is a MT-CVD coated design
- ME3125 Grade is a TiAlN PVD coated design
- SM chipbreaker is designed for medium cutting of stainless steel and mild steel
- Depth of cut: .040" - .160"
- IPR: .006" - .016"



MAXX-EDGE Cut Off Inserts F Style

- Grade ME435 is AlTiN CVD coated
- Grades ME1025 and ME2205 are TiCN PVD coated
- Available in Left, Right, or Neutral



ANSI No.	Grade	Order No.	Regular Price	SALE
CNMG 322-SM	ME1125	ME1030005	7.90	4.74
CNMG 322-SM	ME3125	ME1040005	7.90	4.74
CNMG 431-SM	ME1125	ME1030010	8.35	5.01
CNMG 432-SM	ME1125	ME1030015	8.35	5.01
CNMG 433-SM	ME1125	ME1030020	8.35	5.01
CNMG 433-SM	ME3125	ME1040020	8.35	5.01
CNMG 542-SM	ME1125	ME1030030	13.85	8.31
DNMG 332-SM	ME1125	ME1030060	9.80	5.88
DNMG 431-SM	ME1125	ME1030070	11.05	6.63
DNMG 432-SM	ME1125	ME1030075	11.05	6.63
SNMG 322-SM	ME1125	ME1030115	7.90	4.74
SNMG 322-SM	ME3125	ME1040115	7.90	4.74
SNMG 431-SM	ME1125	ME1030120	8.35	5.01
SNMG 432-SM	ME1125	ME1030125	8.35	5.01
TNMG 432-SM	ME1125	ME1030170	7.35	4.41
TNMG 332-SM	ME3125	ME1040170	7.35	4.41
WNMG 331-SM	ME1125	ME1030195	7.90	4.74
WNMG 332-SM	ME1125	ME1030200	7.90	4.74
WNMG 332-SM	ME3125	ME1040200	7.90	4.74
WNMG 431-SM	ME1125	ME1030210	8.35	5.01
WNMG 432-SM	ME1125	ME1030215	8.35	5.01

C333

MAXX-EDGE Inserts for Boring Bars

- Grade ME 425 is a PVD coated insert great for steel, stainless steel, cast iron and hi-temp alloys



Style	Grade	Order No.	Regular Price	SALE
CCMT 32.51-GP	ME425	ME1010010	10.05	6.03
CCMT 32.52-GP	ME425	ME1010015	10.05	6.03
CPGT 21.52-GP	ME425	ME1010035	9.00	5.40
CPGT 32.51-GP	ME425	ME1010040	9.55	5.73
CPGT 32.52-GP	ME425	ME1010045	9.55	5.73
TCMT 21.52-GP	ME425	ME1010120	8.15	4.89
TCMT 32.51-GP	ME425	ME1010125	9.45	5.67
TCMT 32.52-GP	ME425	ME1010130	8.95	5.37
CCMT 21.51-GP	ME425	ME1010000	9.70	5.82
CCMT 21.52-GP	ME425	ME1010005	9.70	5.82

C330

Right/Left Hand - Left											
Model No.	Width	Radius	Angle	ST	SS	CI	S	Grade	Order No.	Regular Price	SALE
MEGFL 2	.079	.016	8°	x	x	x	x	ME435	ME1810006	12.15	10.33
MEGFL 2-4D	.079	.016	4°	x	x	-	-	ME1025	ME1821005	12.00	10.20
MEGFL 3	.122	.020	8°	x	x	x	x	ME435	ME1810007	12.60	10.71
MEGFL 3-4D	.122	.020	4°	x	x	-	-	ME1025	ME1821020	10.75	9.14
MEGFL 3-8D	.122	.020	8°	x	x	-	-	ME1025	ME1821025	10.75	9.14
MEGFL 4	.161	.024	8°	x	x	x	x	ME435	ME1810008	13.10	11.14
MEGFL 4-4D	.161	.024	4°	x	x	-	-	ME1025	ME1821045	12.75	10.84
MEGFL 4-8D	.161	.024	8°	x	x	-	-	ME1025	ME1821050	12.75	10.84

Right/Left Hand - Neutral											
Model No.	Width	Radius	Angle	ST	SS	CI	S	Grade	Order No.	Regular Price	SALE
MEGFN 2	.079	.016	0°	x	x	x	x	ME435	ME1810009	11.45	9.73
MEGFN 2	.079	.016	0°	x	x	-	-	ME1025	ME1821000	11.35	9.65
MEGFN 2	.079	.016	0°	-	x	-	-	ME2205	ME1822000	11.35	9.65
MEGFN 3	.122	.020	0°	x	x	x	x	ME435	ME1810010	10.10	8.59
MEGFN 3	.122	.020	0°	x	x	-	-	ME1025	ME1821015	10.50	8.93
MEGFN 3	.122	.020	0°	-	x	-	-	ME2205	ME1822005	10.50	8.93
MEGFN 4	.161	.024	0°	x	x	x	x	ME435	ME1810011	12.85	10.92
MEGFN 4	.161	.024	0°	x	x	-	-	ME1025	ME1821040	12.50	10.63
MEGFN 4	.161	.024	0°	-	x	-	-	ME2205	ME1822020	12.50	10.63
MEGFN 5	.201	.028	0°	x	x	x	x	ME435	ME1810012	13.55	11.52
MEGFN 5	.201	.028	0°	x	x	-	-	ME1025	ME1821065	13.95	11.86
MEGFN 5	.201	.028	0°	-	x	-	-	ME2205	ME1822030	13.95	11.86

Right/Left Hand - Right											
Model No.	Width	Radius	Angle	ST	SS	CI	S	Grade	Order No.	Regular Price	SALE
MEGFR 2	.079	.016	8°	x	x	x	x	ME435	ME1810013	11.75	9.99
MEGFR 2-4D	.079	.016	4°	x	x	-	-	ME1025	ME1821010	12.00	10.20
MEGFR 3	.122	.020	8°	x	x	x	x	ME435	ME1810014	12.45	10.58
MEGFR 3-4D	.122	.020	4°	-	x	-	-	ME2205	ME1822010	10.75	9.14
MEGFR 3-4D	.122	.020	4°	x	x	-	-	ME1025	ME1821030	10.75	9.14
MEGFR 3-8D	.122	.020	8°	x	x	-	-	ME1025	ME1821035	10.75	9.14
MEGFR 3-8D	.122	.020	8°	-	x	-	-	ME2205	ME1822015	10.75	9.14
MEGFR 4	.161	.024	8°	x	x	x	x	ME435	ME1810015	12.85	10.92
MEGFR 4-4D	.161	.024	4°	x	x	-	-	ME1025	ME1821055	12.75	10.84
MEGFR 4-8D	.161	.024	8°	x	x	-	-	ME1025	ME1821060	12.75	10.84
MEGFR 4-8D	.161	.024	8°	-	x	-	-	ME2205	ME1822025	12.75	10.84
MEGFR 5-8D	.201	.028	8°	x	x	-	-	ME1025	ME1821070	14.95	12.71

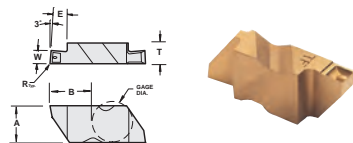
C361

TOOL-FLO Chip-Flo Grooving Inserts with Chipbreaker

FLB-CB

Carbide Grades

- AC3 - PVD TiAlN for 300 series stainless steel and other high temp alloy steel in premium conditions
- AC50 - PVD TiAlN for standard steels and 400 series stainless steel



Tool-Flo	Width (in./mm)	Radius R (in.)	T (in.)	E (in.)	Grade w/ Hone	AC3			AC50			
						Order No.	Regular Price	SALE	Grade w/ Hone	Order No.	Regular Price	SALE
FLG-2047R-CB	.047	.002/.005	.150	.050	AC3R	FG31FLG2047RCB	19.25	16.36	AC50C	FG31026280	19.25	16.36
FLG-2047L-CB	.047	.002/.005	.150	.050	AC3R	FG31FLG2047LCB	19.25	16.36	AC50C	FG31026240	19.25	16.36
FLG-2062R-CB	.062	.005/.010	.150	.110	AC3R	FG31FLG2062RCB	18.70	15.90	AC50C	FG312662PRAC50C	19.25	16.36
FLG-2062L-CB	.062	.005/.010	.150	.110	AC3R	FG31FLG2062LCB	19.25	16.36	AC50C	FG312662PLAC50C	19.25	16.36
FLG-2094R-CB	.094	.005/.010	.150	.110	AC3R	FG31FLG2094RCB	19.25	16.36	AC50C	FG31026590	19.25	16.36
FLG-2094L-CB	.094	.005/.010	.150	.110	AC3R	FG31FLG2094LCB	19.25	16.36	AC50C	FG31026540	19.25	16.36
FLG-3031R-CB	.031	.002/.005	.195	.050	AC3R	FG31027740	19.25	16.36	AC50C	FG31563631PRAC5	19.25	16.36
FLG-3031L-CB	.031	.002/.005	.195	.050	AC3R	FG31027710	19.25	16.36	AC50C	FG31563631PLAC5	19.25	16.36
FLG-3047R-CB	.047	.005/.010	.195	.075	AC3R	FG31FLG3047RCB	19.25	16.36	AC50C	FG31563647PRAC5	19.25	16.36
FLG-3047L-CB	.047	.005/.010	.195	.075	AC3R	FG31FLG3047LCB	19.25	16.36	AC50C	FG31027800	19.25	16.36
FLG-3062R-CB	.062	.005/.010	.195	.120	AC3R	FG31FLG3062RCB	19.25	16.36	AC50C	FG31563662PRAC5	19.25	16.36
FLG-3062L-CB	.062	.005/.010	.195	.120	AC3R	FG31FLG3062LCB	19.25	16.36	AC50C	FG31563662PLAC5	19.25	16.36
FLG-3094R-CB	.094	.005/.010	.195	.195	-	-	-	AC50C	FG31563694PRAC5	19.25	16.36	
FLG-3094L-CB	.094	.005/.010	.195	.195	AC3R	FG31FLG3094LCB	19.25	16.36	AC50C	FG31563694PLAC5	19.25	16.36
FLG-3125R-CB	.125	.005/.010	.195	.195	AC3R	FG31FLG3125RCB	19.25	16.36	AC50C	FG31563825PRAC5	19.25	16.36
FLG-3125L-CB	.125	.005/.010	.195	.195	AC3R	FG31FLG3125LCB	19.25	16.36	AC50C	FG31028880	19.25	16.36
FLG-4125R-CB	.125	.005/.010	.255	.250	AC3R	FG31030560	27.70	23.55	AC50C	FG31030570	27.70	23.55
FLG-4125L-CB	.125	.005/.010	.255	.250	AC3R	FG31564825PLAC3	27.70	23.55	AC50C	FG31030510	27.70	23.55

C420



Prices Effective April 1, 2018 Thru June 30, 2018

INDEXABLE CARBIDE

MAXX-EDGE MCLNR/L Toolholders

- For turning, facing or contouring
- Negative 5° lead angle
- Uses CNMG, CNMA, CNMP, CNGA or CNMM 80° diamond inserts

Shank Size (in.)	OAL (in.)	Head Length (in.)	Insert Style	Left				Right			
				Model No.	Order No.	Regular Price	SALE	Model No.	Order No.	Regular Price	SALE
.750	4.50	1.250	CNM_43	MCLNL124B	ME1910000	58.25	43.69	MCLNR124B	ME1910010	58.25	43.69
1.000	6.00	1.250	CNM_43	MCLNL164D	ME1910005	67.05	50.29	MCLNR164D	ME1910015	67.05	50.29



C351

MAXX-EDGE MDJNR Toolholders

- For turning and profiling
- Negative 3° lead angle
- Uses DNMG, DNMA, DNMP, DNGA or DNMM 55° diamond inserts

Model No.	Shank Size (in.)	OAL (in.)	Head Length (in.)	Insert Style	Seat	Seat Screw	Lock Pin	Clamp	Clamp Screw	Right		
										Order No.	Regular Price	SALE
MDJNR124B	.750	4.50	1.250	DNM_43	IDSN433	S46	NL46	CL7	XNS36	ME1910020	74.95	56.21
MDJNR164D	1.000	6.00	1.250	DNM_43	IDSN433	S46	NL46	CL20	XNS48	ME1910025	86.20	64.65



C352

MAXX-EDGE MTENN Toolholders

- For turning and chamfering
- 60° cutting angle
- Uses TNMA, TNMG, TNMP, TNG, or TNU inserts

Model No.	Shank Size (in.)	OAL (in.)	Head Length (in.)	Insert Style	Seat	Lock Pin	Clamp	Clamp Screw	Order No.	Regular Price	SALE
MTENN103B	.625	4.50	1.125	TNM_32	ITSN333	NL34L	CL6	XNS36	ME1910040	58.40	43.80
MTENN124B	.750	4.50	1.500	TNM_43	ITSN433	NL46	CL9	XNS59	ME1910045	65.55	49.16
MTENN164D	1.000	6.00	1.500	TNM_43	ITSN433	NL46	CL9	XNS59	ME1910050	75.45	56.59



C354

MAXX-EDGE MTJNL/R Toolholders

- For turning and profiling
- Negative 3° lead angle
- Uses TNMA, TNMG, TNMP, TNGA, TNMM, TNG or TNU inserts

Shank Size (in.)	OAL (in.)	Head Length (in.)	Insert Style	Seat	Seat Screw	Lock Pin	Clamp	Clamp Screw	Left				Right			
									Model No.	Order No.	Regular Price	SALE	Model No.	Order No.	Regular Price	SALE
.750	4.50	1.000	TNM_32	ITSN322	S34	NL34L	CL6	XNS36	MTJNL123B	ME1910055	65.55	49.16	MTJNR123B	ME1910065	65.55	49.16
1.000	6.00	1.000	TNM_32	ITSN322	S34	NL34L	CL6	XNS36	-	-	-	-	MTJNR163D	ME1910070	75.45	56.59
1.000	6.00	1.250	TNM_43	ITSN433	S46	NL46	CL9	XNS510	MTJNL164D	ME1910060	75.45	56.59	MTJNR164D	ME1910080	75.45	56.59



C355

MAXX-EDGE MVJNL/R Toolholders

- For turning and profiling
- Negative 3° lead angle
- Uses VNMA, VNMG, VNMP, VNGA, or VNMS inserts

Shank Size (in.)	OAL (in.)	Head Length (in.)	Insert Style	Seat	Seat Screw	Lock Pin	Clamp	Clamp Screw	Left				Right			
									Model No.	Order No.	Regular Price	SALE	Model No.	Order No.	Regular Price	SALE
.750	4.50	1.750	VNM_33	IWSN322	S34	NL34L	CL30	XNS510	MVJNL123B	ME1910085	74.90	56.18	MVJNR123B	ME1910095	74.90	56.18
1.000	6.00	1.750	VNM_33	IWSN322	S34	NL34L	CL30	XNS510	MVJNL163D	ME1910090	86.20	64.65	MVJNR163D	ME1910100	75.45	56.59



C356

MAXX-EDGE MWLNR Toolholders

- Negative 5° lead angle
- Uses WNMG, WNMP or WNMA inserts

Model No.	Shank Size (in.)	OAL (in.)	Head Length (in.)	Insert Style	Seat	Seat Screw	Lock Pin	Clamp	Clamp Screw	Right		
										Order No.	Regular Price	SALE
MWLNR124B	.750	4.50	1.250	WNM_43	IWSN432	S46	NL46	CL9	XNS59	ME1910105	65.55	49.16
MWLNR164D	1.000	6.00	1.250	WNM_43	IWSN432	S46	NL46	CL9	XNS59	ME1910110	75.45	56.59



C357

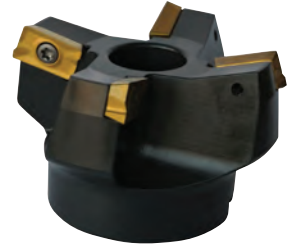
Prices Effective April 1, 2018 Thru June 30, 2018

INDEXABLE CARBIDE

MAXX-EDGE 75° Face Mill Cutters

- For CNC and traditional milling machines
- Perfect for medium to roughing applications
- Uses APKT or ADKT style inserts

Cutter Dia. (in.)	No. of Inserts	H (in.)	Arbor Hole (in.)	Uses Insert	Screw	Torx Key	Order No.	Regular Price	SALE
2-1/2	4	1.57	3/4	ADKT 1505	TX35L	CT 15	ME1480115	213.55	160.16
2-1/2	7	1.57	3/4	APKT 1003	TX25C	CT 08	ME1480130	251.35	188.51
2-1/2	4	1.57	3/4	APKT 1604	TX35	CT 15	ME1480100	213.55	160.16
3	5	1.97	1	ADKT 1505	TX35L	CT 15	ME1480120	281.10	210.83
3	8	1.97	1	APKT 1003	TX25C	CT 08	ME1480135	300.00	225.00
3	5	1.97	1	APKT 1604	TX35	CT 15	ME1480105	281.10	210.83
4	6	1.97	1-1/2	ADKT 1505	TX35L	CT 15	ME1480125	340.55	255.41
4	11	1.97	1-1/2	APKT 1003	TX25C	CT 08	ME1480140	359.50	269.63
4	6	1.97	1-1/2	APKT 1604	TX35	CT 15	ME1480110	340.55	255.41



C342

MAXX-EDGE 90° Face Mills

- 90° Mills for shoulder milling, slotting and countersinking
- Industry standard cutters and inserts for economy and high quality
- Uses APKT / ADKT inserts

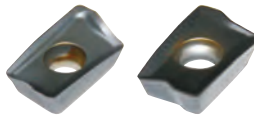


Cutting Dia. (in.)	No. of Inserts	Bore Dia.	Height H (in.)	Uses Insert	Screw	Wrench	Order No.	Regular Price	SALE
2	4	3/4	1.57	ADKT 1505	TX35	CT15	ME1492620	214.30	160.73
2	4	3/4	1.57	APKT 1604	TX35	CT15	ME1492020	214.30	160.73
2-1/2	5	3/4	1.57	APKT 1604	TX35	CT15	ME1492025	231.40	173.55
3	6	1	1.97	ADKT 1505	TX35L	CT15	ME1492630	308.60	231.45
3	6	1	1.97	APKT 1604	TX35	CT15	ME1492030	308.60	231.45

C386

MAXX-EDGE Milling Inserts

- Grade ME425 is a PVD TiAlN coated insert designed for use with steel, stainless steel, cast iron and hi-temp alloy applications
- Grade ME9125 is for aluminum and aluminum alloys



Model No.	Length	Thickness	Grade	Order No.	Regular Price	SALE
ADKT 1505	15mm	.222	ME425	ME2712120	13.70	10.96
ADKT 1705PETR	.669	.189	ME425	ME1350005	12.65	10.12
AOMT 1236PETR	.472	.142	ME425	ME1350000	11.60	9.28
APGT 1604PDRF-AL	.640	.187	ME9125	ME1059990	10.40	8.32
APKT 1003	10mm	3.5mm	ME425	ME2713130	10.00	8.00
APKT 1604	16mm	5.25mm	ME425	ME2713500	11.10	8.88
APKT 160408PDER-M	.640	.187	ME425	ME1020000	12.65	10.12
RPM 1204MO	.500	.187	ME425	ME1120200	11.15	8.92
RPMW 1204M0	.500	.187	ME425	ME1120220	11.75	9.40
RPMW 1204M0T	.500	.187	ME425	ME1120225	11.75	9.40
SEHT 43	.500	.187	ME425	ME2714050	14.00	11.20
SEHX 43	.500	.187	ME425	ME2714100	14.00	11.20
SEKN 42AFSN	.500	.125	ME425	ME1120205	8.15	6.52
SEKN 42AFTN	.500	.125	ME425	ME1120210	8.95	7.16
SNMX 1205	.500	.250	ME425	ME2714110	17.10	13.68
XNEX 040304	-	.130	ME425	ME2714120	14.30	11.44
XNEX 080608	-	.250	ME425	ME2714130	17.10	13.68

C278

PRO CUT Popular Turning Inserts

- Grade Information:
- PC2 Best with non-ferrous metals
- PC5 General purpose steel cutting applications
- PC300 TiN-TiC-TiN for cutting at higher speeds and with greater lubricity



Insert Style	Grade	Order No.	Regular Price	SALE
CNMG 431	PC300	FF5030150	6.55	4.59
CNMG 432	PC300	FF5030160	6.95	4.87
DNMG 431	PC300	FF5030420	11.05	7.74
DNMG 432	PC300	FF5030430	11.05	7.74
RNG 32	PC2	FF5010530	4.60	3.22
RNMA 43	PC2	FF5010580	5.05	3.54
RPG 42	PC300	FF5033510	10.15	7.11
RPG 42	PC5	FF5053510	8.80	6.16
SPG 422	PC300	FF5031510	7.65	5.36
SPG 422	PC5	FF5051510	6.35	4.45
SPG 634	PC2	FF5011640	11.60	8.12
SPU 422	PC300	FF5031750	6.80	4.76
TNMA 438	PC5	FF5052250	6.00	4.20
TNMG 321	PC300	FF5032320	4.15	2.91
TNMG 322	PC300	FF5032330	4.40	3.08
TNMG 322	PC5	FF5052330	3.55	2.49
TNMG 431	PC300	FF5032390	7.20	5.04
TNMG 432	PC300	FF5032400	7.10	4.97
TPG 321	PC300	FF5032850	6.80	4.76
TPG 321	PC5	FF5052850	5.75	4.03
TPG 322	PC2	FF5012860	5.75	4.03
TPG 322	PC300	FF5032860	6.80	4.76
TPG 322	PC5	FF5052860	5.75	4.03
TPG 323	PC300	FF5032870	6.80	4.76
TPG 323	PC5	FF5052870	5.75	4.03
TPG 324	PC300	FF5032880	6.80	4.76
TPG 324	PC5	FF5052880	5.75	4.03
TPG 431	PC300	FF5032930	10.30	7.21
TPG 432	PC300	FF5032940	10.15	7.11
TPG 432	PC5	FF5052940	7.80	5.46
TPG 434	PC300	FF5032960	10.30	7.21
TPU 321	PC300	FF5033310	4.65	3.26
TPU 322	PC300	FF5033320	4.95	3.47
TPU 322	PC5	FF5053320	4.20	2.94
TPU 432	PC300	FF5033360	8.05	5.64
TPU 432	PC5	FF5053360	6.45	4.52

C240

C241

PRO CUT Popular Milling Inserts

- PC2 / PC2M - For non-ferrous materials
- PC5 / PC5M - For steel cutting
- PC3 / PC300M - TiN-TiC-TiN coated for steel cutting at higher speeds with greater lubricity



Insert Style	Grade	Order No.	Regular Price	SALE
ADKT 1505PDSR	PC5	FF5010037	9.60	5.76
ADKT 1505PDSR	PC300	FF5010038	10.95	6.57
APKT 10035PDSR	PC5	FF5010035	8.45	5.07
APKT 10035PDSR	PC300	FF5010036	9.70	5.82
APKT 1604PDR	PC2	FF5016042	11.10	6.66
APKT 1604PDR	PC300	FF5016043	12.25	7.35
APKT 1604PDR	PC5	FF5016045	11.10	6.66
SEAN 42AFTN	PC2M	FF7010120	9.75	5.85
SEAN 42AFTN	PC300M	FF7030120	11.50	6.90
SEAN 42AFTN	PC5M	FF7050120	9.75	5.85
SEC 422	PC300M	FF7030150	8.65	5.19
SEC 422	PC5M	FF7050150	8.30	4.98
SEC 432	PC300M	FF7030170	10.40	6.24
SEC 532	PC300M	FF7030175	13.15	7.89
SEC 532	PC5M	FF7050175	12.60	7.56
SEC 634	PC5M	FF7050180	13.15	9.21



Prices Effective April 1, 2018 Thru June 30, 2018

CUTTING TOOLS



Solid Carbide 4 Flute Corner Radius End Mills

POW•R•FEED Series M924 End Mills

IMCO's M924 is the second generation of the POW•R•FEED M9 series, designed for production environments. Reinforced cutting edges give you even longer tool life in more demanding applications.

- New AlCrNX engineered coating shown to improve tools life exponentially
- Better performance, longer tool life with optimized rake and relief angles
- Plunge, slot, finish in all kinds of materials
- Cut wet or dry, depending on your tool path and the materials you're machining
- Maximum feeds and speeds you never thought possible



Size (in.)	Shank Dia. (in.)	Flute Length (in.)	OAL (in.)	.015			.030			.060		
				Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
1/8	1/8	1/2	1-1/2	DD4167499	26.50	18.55	-	-	-	-	-	-
3/16	3/16	9/16	2	DD4167511	35.55	24.89	DD4167512	35.55	24.89	-	-	-
1/4	1/4	3/4	2-1/2	DD4167525	40.10	28.07	DD4167526	40.10	28.07	DD4167527	42.30	29.61
1/4	1/4	1-1/4	3	DD4167531	47.30	33.11	DD4167532	47.30	33.11	-	-	-
1/4	1/4	1-3/4	4	DD4167547	56.30	39.41	DD4167548	56.30	39.41	-	-	-
5/16	5/16	13/16	2-1/2	DD4167099	51.80	36.26	DD4167100	51.80	36.26	DD4167101	53.90	37.73
3/8	3/8	1-1/4	3	DD4167133	75.95	53.17	DD4167134	75.95	53.17	DD4167135	76.50	53.55
3/8	3/8	2	4	DD4167165	93.65	65.56	DD4167166	93.65	65.56	DD4167167	94.20	65.94
1/2	1/2	5/8	2-1/2	-	-	-	DD4167206	92.00	64.40	DD4167207	92.00	64.40
1/2	1/2	1	3	DD4167214	93.25	65.28	DD4167215	93.25	65.28	DD4167216	93.25	65.28
1/2	1/2	1-1/4	3	DD4167223	96.75	67.73	DD4167224	96.75	67.73	DD4167225	96.75	67.73
1/2	1/2	1-5/8	4	-	-	-	DD4167233	119.80	83.86	DD4167234	119.80	83.86
5/8	5/8	3/4	3	-	-	-	DD4167278	173.30	121.31	DD4167279	173.30	121.31
5/8	5/8	1-3/8	3-1/2	-	-	-	DD4167288	179.60	125.72	DD4167289	179.60	125.72
5/8	5/8	2-1/8	4	-	-	-	DD4167298	206.15	144.31	DD4167299	206.15	144.31
3/4	3/4	1-5/8	4	-	-	-	DD4167358	255.75	179.03	DD4167359	255.75	179.03
3/4	3/4	2-3/8	5	-	-	-	DD4167368	292.20	204.54	DD4167369	292.20	204.54
1	1	1-3/4	4	-	-	-	DD4167408	404.55	283.19	DD4167409	404.55	283.19

CT689



POW•R•PATH® IPT7 Solid Carbide 7 Flute HEM End Mills

- Specifically designed to maximize High Efficiency Machining (HEM) techniques
- Unique flute design for maximum metal removal rates
- Thick core for maximum stability and tool life
- 40° Helix
- AlCrNX coated

Best for HEM



S Best using HEM in Titanium Alloys **P** Best using HEM in Carbon and Tool Steels
M Best using HEM in Stainless Steels **K** Best using HEM in Cast Iron



Size (in.)	Shank Dia. (in.)	Flute Length (in.)	OAL (in.)	.030			.060			.125			None		
				Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
3/16	3/16	3/8	2	DD4463478	44.94	30.35	-	-	-	-	-	-	DD4463476	41.46	28.00
3/16	3/16	9/16	2	DD4463481	46.23	31.22	-	-	-	-	-	-	DD4463479	42.74	28.84
3/16	3/16	3/4	2-1/2	DD4463484	58.85	39.73	-	-	-	-	-	-	DD4463482	55.36	37.38
1/4	1/4	1/2	2	DD4463487	52.04	35.14	DD4463488	55.32	37.35	-	-	-	DD4463485	48.51	32.76
1/4	1/4	3/4	2-1/2	DD4463491	55.90	37.73	DD4463492	59.18	39.94	-	-	-	DD4463489	52.37	35.35
1/4	1/4	1	3	DD4463495	69.64	47.01	DD4463496	72.92	49.21	-	-	-	DD4463493	66.11	44.63
3/8	3/8	3/4	2-1/2	DD4463499	74.70	50.40	DD4463500	77.94	52.61	-	-	-	DD4463497	71.05	47.95
3/8	3/8	15/16	2-1/2	DD4463504	75.74	51.10	DD4463505	79.02	53.34	-	-	-	DD4463502	72.09	48.65
3/8	3/8	1-1/8	3	DD4463509	84.45	56.98	DD4463510	87.73	59.22	-	-	-	DD4463507	80.80	54.53
3/8	3/8	1-1/2	3-1/2	DD4463514	106.24	71.68	DD4463515	109.52	73.92	-	-	-	DD4463512	102.59	69.23
1/2	1/2	1	3	DD4463517	111.51	75.25	DD4463518	114.79	77.46	DD4463520	121.84	82.22	DD4463516	107.73	72.70
1/2	1/2	1-1/4	3-1/4	DD4463215	123.72	83.48	DD4463216	127.17	85.82	DD4463218	134.59	90.83	DD4463214	119.74	80.82
1/2	1/2	1-1/2	3-1/2	DD4463527	124.92	84.28	DD4463528	128.19	86.52	DD4463530	135.25	91.28	DD4463526	119.14	81.76
1/2	1/2	1-3/4	4	DD4463220	139.88	97.93	-	-	-	DD4463238	150.23	105.18	DD4463219	135.94	95.17
1/2	1/2	2	4	DD4463537	146.66	98.98	DD4463538	149.94	101.19	DD4463540	156.99	105.95	DD4463536	142.88	96.43
1/2	1/2	2-1/4	4	DD4463542	161.85	109.20	DD4463543	165.13	111.44	DD4463545	172.18	116.20	DD4463541	158.03	106.65
5/8	5/8	1-1/4	3-1/2	DD4463547	207.45	147.35	DD4463548	211.19	150.01	DD4463550	219.28	155.75	DD4463546	203.06	144.24
5/8	5/8	1-9/16	4	DD4463242	228.56	168.42	DD4463244	232.38	171.26	DD4463247	240.40	177.14	DD4463240	224.15	165.17
5/8	5/8	1-7/8	4	DD4463559	231.58	164.50	DD4463560	235.27	167.09	DD4463562	243.36	172.87	DD4463558	227.09	161.28
5/8	5/8	2-3/16	4-1/2	DD4463258	266.08	196.07	DD4463262	269.65	198.70	DD4463264	277.85	204.75	DD4463253	261.53	192.71
5/8	5/8	2-1/2	5	DD4463569	301.10	203.18	DD4463570	304.64	205.56	DD4463571	312.31	210.74	DD4463568	296.84	200.31
3/4	3/4	1-1/2	4	DD4463573	287.36	206.82	DD4463574	291.05	209.48	DD4463575	299.03	215.22	DD4463572	282.82	203.56
3/4	3/4	1-7/8	4-1/2	DD4463270	331.17	231.84	DD4463271	335.32	234.75	DD4463275	344.24	240.98	DD4463269	325.55	233.73
3/4	3/4	2-1/4	5	DD4463586	353.78	238.70	DD4463587	357.58	241.29	DD4463589	365.81	246.82	DD4463585	354.83	243.67
3/4	3/4	2-5/8	5	DD4463593	368.13	248.40	DD4463594	371.88	250.92	DD4463596	380.07	256.45	DD4463592	363.41	245.21
3/4	3/4	3	6	DD4463598	427.11	288.19	DD4463599	430.78	290.68	DD4463600	438.73	296.03	DD4463597	422.55	285.11

CT932



OMEGA® M725 & M726 Solid Carbide

5 & 6 Flute End Mills

For Hard Materials • Square End

Great for HSM



- Mills steels heat treated up to 58-62 HRC with or without coolant
- Optimized geometries, stronger cutting edges, superior balance
- 50° Helix creates a high shear plane for better efficiency and chip control
- AlTiN-X coating

MADE IN THE USA

H Best in Hardened Materials
S Good in Stainless Steels
C Good in Carbon and Tool Steels
K Good in Cast Iron



Size (in.)	Shank Dia. (in.)	Flute Length (in.)	OAL (in.)	No. of Flutes	Order No.	Regular Price	SALE
1/8	1/8	1/2	1-1/2	5	DD4069052	28.90	20.23
1/8	1/8	1/4	1-1/2	5	DD4069050	28.40	19.88
3/16	3/16	5/16	2	5	DD4069054	33.95	23.77
3/16	3/16	9/16	2	5	DD4069056	34.75	24.33
1/4	1/4	3/4	2-1/2	6	DD4069058	40.55	28.39
1/4	1/4	1-1/4	3	6	DD4069061	49.50	34.65
3/8	3/8	7/8	2-1/2	6	DD4069070	61.10	42.77
3/8	3/8	1-1/4	3	6	DD4069073	77.50	54.25
3/8	3/8	2	4	6	DD4069076	97.70	68.39
1/2	1/2	1	3	6	DD4069079	93.30	65.31
1/2	1/2	1-1/4	3	6	DD4069083	96.80	67.76
1/2	1/2	1-5/8	3-1/2	6	DD4069087	122.45	85.72
5/8	5/8	1-3/8	3-1/2	6	DD4069099	198.20	138.74
3/4	3/4	1-5/8	4	6	DD4069111	279.80	195.86
3/4	3/4	2-5/8	5	6	DD4069115	321.45	225.02

CT834

Prices Effective April 1, 2018 Thru June 30, 2018

CUTTING TOOLS

←RAPIDKUT™ 5 Flute Variable Index Carbide End Mills

- Provides for maximum material removal and feed rates
- Advanced performance in steels, stainless steels, alloy steels, titanium and hardened steels
- AlCrN coating provides increased wear resistance
- Corner radius



Size (in.)	Shank Dia. (in.)	Flute Length (in.)	OAL (in.)	Radius	Order No.	Regular Price	SALE
1/8	1/8	5/32	2	.010	PE1510912	49.26	32.05
1/8	1/8	5/32	2	.010	PE1510913	51.48	33.48
1/8	1/8	5/32	2	.030	PE1510914	51.48	33.48
1/8	1/8	5/32	2-1/2	.010	PE1510915	54.54	34.61
3/16	3/16	7/32	2	.010	PE1510916	58.65	38.12
3/16	3/16	7/32	2	.030	PE1510917	58.65	38.12
3/16	3/16	7/32	2-1/2	.010	PE1510918	56.33	35.75
3/16	3/16	7/32	2-1/2	.010	PE1510919	59.61	37.83
3/16	3/16	7/32	2-1/2	.030	PE1510920	56.33	35.75
1/4	1/4	3/8	2	.020	PE1510926	34.49	21.87
1/4	1/4	3/8	2	.030	PE1510927	33.65	21.87
1/4	1/4	3/8	2	.060	PE1510928	33.65	21.87
1/4	1/4	3/8	4	.020	PE1510930	68.80	44.72
1/4	1/4	3/8	4	.030	PE1510931	62.66	40.76
1/4	1/4	3/8	4	.060	PE1510932	62.66	40.76
1/4	1/4	3/4	2-1/2	.020	PE1510922	37.46	23.76
1/4	1/4	3/4	2-1/2	.030	PE1510923	37.46	23.76
1/4	1/4	3/4	2-1/2	.060	PE1510924	37.46	23.76
5/16	5/16	7/8	2-1/2	.020	PE1510934	46.42	29.45
5/16	5/16	7/8	2-1/2	.060	PE1510935	46.42	29.45
5/16	5/16	1	3	.030	PE1510937	48.97	31.85
5/16	5/16	1	3	.060	PE1510938	48.97	31.85
3/8	3/8	1/2	2-1/2	.020	PE1510941	55.20	35.00
3/8	3/8	1/2	2-1/2	.030	PE1510942	55.20	35.00
3/8	3/8	1/2	2-1/2	.060	PE1510943	55.20	35.00
3/8	3/8	1/2	2-1/2	.090	PE1510944	55.20	35.00
3/8	3/8	1/2	4	.020	PE1510945	90.42	57.36
3/8	3/8	1/2	4	.020	PE1510946	95.84	60.78
3/8	3/8	1/2	4	.030	PE1510947	90.42	57.36
3/8	3/8	1/2	4	.030	PE1510948	95.84	60.78
3/8	3/8	1/2	4	.060	PE1510949	90.42	57.36
3/8	3/8	1/2	4	.060	PE1510950	95.84	60.78
3/8	3/8	1/2	6	.020	PE1510951	102.87	65.26
3/8	3/8	1/2	6	.020	PE1510952	110.32	69.97
3/8	3/8	1	2-1/2	.020	PE1510954	56.22	35.65
3/8	3/8	1	2-1/2	.030	PE1510955	56.22	35.65
3/8	3/8	1	2-1/2	.060	PE1510956	56.22	35.65
3/8	3/8	1	2-1/2	.090	PE1510957	56.22	35.65
3/8	3/8	1	2-1/2	.120	PE1510958	56.22	35.65
3/8	3/8	2	4	.020	PE1510961	85.85	54.47
7/16	7/16	1	2-3/4	.020	PE1510963	81.49	52.98
7/16	7/16	1	2-3/4	.030	PE1510964	81.49	52.98
1/2	1/2	5/8	3	.030	PE1510988	86.90	55.12
1/2	1/2	5/8	3	.060	PE1510991	86.90	55.12
1/2	1/2	5/8	3	.120	PE1510994	86.90	55.12
1/2	1/2	5/8	4	.030	PE1510987	140.92	89.38
1/2	1/2	5/8	4	.060	PE1510989	134.52	85.31
1/2	1/2	5/8	4	.060	PE1510990	140.92	89.38
1/2	1/2	5/8	4	.090	PE1510992	134.52	85.31
1/2	1/2	5/8	4	.090	PE1510993	140.92	89.38
1/2	1/2	5/8	4	.120	PE1510995	134.52	85.31
1/2	1/2	5/8	4	.120	PE1510996	140.92	89.38
1/2	1/2	5/8	6	.030	PE1510997	152.91	96.98
1/2	1/2	5/8	6	.060	PE1510998	152.91	96.98
1/2	1/2	5/8	6	.090	PE1510999	160.30	101.66
1/2	1/2	1	3	.010	PE1510967	91.52	58.05
1/2	1/2	1	3	.015	PE1510971	91.52	58.05
1/2	1/2	1	3	.020	PE1510970	91.52	58.05
1/2	1/2	1	3	.030	PE1510968	91.52	58.05
1/2	1/2	1	3	.060	PE1510972	91.52	58.05
1/2	1/2	1	3	.090	PE1510973	91.52	58.05
1/2	1/2	1-1/4	3	.015	PE1510969	96.13	60.97

Size (in.)	Shank Dia. (in.)	Flute Length (in.)	OAL (in.)	Radius	Order No.	Regular Price	SALE
1/2	1/2	1-1/4	3	.030	PE1510975	96.13	60.97
1/2	1/2	1-1/4	3	.060	PE1510976	96.13	60.97
1/2	1/2	1-1/4	3	.090	PE1510977	96.13	60.97
1/2	1/2	1-1/4	3	.120	PE1510978	96.13	60.97
1/2	1/2	2	4	.020	PE1510981	121.57	77.09
1/2	1/2	2	4	.030	PE1510982	121.57	77.09
1/2	1/2	2	4	.060	PE1510983	121.57	77.09
1/2	1/2	2	4	.090	PE1510984	121.57	77.09
1/2	1/2	2	4	.120	PE1510985	121.57	77.09
5/8	5/8	3/4	3-1/2	.030	PE1511001	161.40	102.38
5/8	5/8	3/4	3-1/2	.035	PE1511002	161.40	102.38
5/8	5/8	3/4	3-1/2	.060	PE1511003	161.40	102.38
5/8	5/8	3/4	3-1/2	.120	PE1511004	161.40	102.38
5/8	5/8	3/4	4	.030	PE1511005	198.56	129.09
5/8	5/8	3/4	6	.030	PE1511006	219.52	142.71
5/8	5/8	3/4	6	.090	PE1511007	219.52	142.71
5/8	5/8	1-1/2	3-1/2	.030	PE1511009	168.91	107.12
5/8	5/8	1-1/2	3-1/2	.035	PE1511010	168.91	107.12
5/8	5/8	1-1/2	3-1/2	.060	PE1511011	168.91	107.12
5/8	5/8	1-1/2	3-1/2	.090	PE1511012	168.91	107.12
5/8	5/8	1-1/2	3-1/2	.120	PE1511013	168.91	107.12
5/8	5/8	1-5/8	4	.030	PE1511015	174.47	113.43
5/8	5/8	1-5/8	4	.035	PE1511016	174.47	113.43
5/8	5/8	1-5/8	4	.120	PE1511017	178.83	113.43
5/8	5/8	2-1/4	5	.035	PE1511019	196.35	127.63
3/4	3/4	7/8	4	.030	PE1511022	232.80	151.32
3/4	3/4	7/8	4	.035	PE1511023	232.80	151.32
3/4	3/4	7/8	4	.060	PE1511024	232.80	151.32
3/4	3/4	7/8	4	.120	PE1511025	232.80	151.32
3/4	3/4	1	4	.030	PE1511026	257.23	167.21
3/4	3/4	1	4	.060	PE1511027	257.23	167.21
3/4	3/4	1	4	.090	PE1511028	257.23	167.21
3/4	3/4	1	4	.190	PE1511029	257.23	167.21
3/4	3/4	1	6	.030	PE1511030	280.93	182.62
3/4	3/4	1	6	.030	PE1511031	296.58	192.79
3/4	3/4	1	6	.030	PE1511032	311.62	202.57
3/4	3/4	1	6	.120	PE1511033	296.58	192.79
3/4	3/4	1	6	.120	PE1511034	311.62	202.57
3/4	3/4	1	6	.190	PE1511036	311.62	202.57
3/4	3/4	1-1/4	4	.030	PE1511046	241.58	157.04
3/4	3/4	1-1/4	4	.120	PE1511047	241.58	157.04
3/4	3/4	1-1/2	4	.020	PE1511037	250.21	158.70
3/4	3/4	1-1/2	4	.030	PE1511038	250.21	158.70
3/4	3/4	1-1/2	4	.035	PE1511040	250.21	158.70
3/4	3/4	1-1/2	4	.035	PE1511039	257.75	163.48
3/4	3/4	1-1/2	4	.060	PE1511041	250.21	158.70
3/4	3/4	1-1/2	4	.090	PE1511042	250.21	158.70
3/4	3/4	1-1/2	4	.120	PE1511043	250.21	158.70
3/4	3/4	1-1/2	4	.250	PE1511044	250.21	158.70
3/4	3/4	1-5/8	4	.035	PE1511048	248.41	161.49
3/4	3/4	2-1/4	5	.035	PE1511050	309.97	196.59
1	1	1-1/4	4	.030	PE1511052	370.26	240.70
1	1	1-1/4	4	.190	PE1511053	370.26	240.70
1	1	1-1/4	4	.250	PE1511054	370.26	240.70
1	1	1-1/2	4	.030	PE1511056	381.33	241.83
1	1	1-1/2	4	.035	PE1511057	381.33	241.83
1	1	1-1/2	4	.060	PE1511058	381.33	241.83
1	1	2-1/4	5	.030	PE1511061	469.29	305.05
1	1	2-1/4	5	.035	PE1511062	481.02	305.05
1	1	2-1/4	5	.060	PE1511063	469.29	305.05
1	1	2-1/4	5	.250	PE1511064	469.29	305.05

CT1031

CUTTING TOOLS

Solid Carbide Ball Nose End Mills

2 & 4 Flute Single End



SAVE
40%

Dia. (in.)	Shank Dia. (in.)	Flute Length (in.)	OAL (in.)	2			4		
				Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
1/16	1/8	3/16	1-1/2	DD602004B	9.35	5.61	DD604004B	8.80	5.28
3/32	1/8	3/8	1-1/2	DD602006B	8.75	5.25	DD604006B	8.95	5.37
1/8	1/8	1/2	1-1/2	DD602008B	7.90	4.74	DD604008B	7.90	4.74
3/16	3/16	5/8	2	DD602012B	12.10	7.26	DD604012B	12.10	7.26
1/4	1/4	3/4	2-1/2	DD602016B	17.10	10.26	DD604016B	17.10	10.26
3/8	3/8	1	2-1/2	DD602024B	27.15	16.29	DD604024B	27.15	16.29
1/2	1/2	1	3	DD602032B	47.00	28.20	DD604032B	47.00	28.20

CT014

RAPIDKUT™ 4 Flute High Feed End Mills

Solid Carbide

SAVE
30%

- TiAIN coated for greater lubricity
- Diameter tolerance +0 / -.002"
- Length of cut tolerance +/- .015"
- Overall length tolerance +/- .062"
- Corner radius tolerance +/- .003"

NEW



Size (in.)	Shank Dia. (in.)	Flute Length (in.)	OAL (in.)	Neck Length (in.)	Order No.	Regular Price	SALE
1/8	3/16	3/8	2-1/2	.090	PE1612510	81.99	57.40
1/8	3/16	3/8	2-1/2	.400	PE1612505	71.19	49.84
3/16	1/4	3/8	2-1/2	.562	PE1618705	73.62	51.56
3/16	1/4	3/8	2-1/2	1.000	PE1618710	105.30	73.71
1/4	1/4	3/8	3	.800	PE1625005	89.10	62.37
1/4	1/4	3/8	3	1.300	PE1625010	98.10	68.67
5/16	5/16	3/8	4	1.000	PE1631205	106.20	74.34
5/16	5/16	3/8	4	1.600	PE1631210	118.80	83.16
3/8	3/8	3/8	4	1.100	PE1637505	142.20	99.54
3/8	3/8	3/8	4	1.900	PE1637510	153.90	107.73
1/2	1/2	3/8	4	1.600	PE1650005	183.60	128.52
1/2	1/2	3/8	6	3.000	PE1650010	234.90	164.43

CT1027

4 Flute Solid Carbide Corner Radius End Mills

- Recommended for slotting and general purpose milling
- Very high feed rates & excellent surface finish
- Unique flute geometry allows for increased feeds and speeds while reducing harmonics
- Coated with Altima® (AlTiN) for extended tool life
- Diameter range: 3mm-25mm, 1/8" - 1"



Dia. (in.)	Shank Dia. (in.)	Flute Length (in.)	OAL (in.)	Radius	Order No.	Regular Price	SALE
1/8	1/8	3/8	1-1/2	.015	DD1517730	21.12	15.38
3/16	3/16	7/16	2	.015	DD1517735	29.32	21.38
1/4	1/4	1/2	2-1/2	.015	DD1517743	35.71	26.03
1/4	1/4	1/2	2-1/2	.030	DD1517744	35.71	26.03
3/8	3/8	7/8	2-1/2	.015	DD1517755	59.22	43.13
3/8	3/8	7/8	2-1/2	.030	DD1517756	59.22	43.13
1/2	1/2	1	3	.015	DD1517767	96.89	70.58
1/2	1/2	1	3	.030	DD1517768	96.89	70.58
5/8	5/8	1-1/4	3-1/2	.015	DD1518001	183.03	133.28
3/4	3/4	1-1/2	4	.015	DD1518003	269.37	196.16

CT475

RAPIDKUT™ 4 Flute Solid Carbide End Mills

Square • Radius End

SAVE
30%

- CVD coated

NEW



Size (in.)	Shank Dia. (in.)	Flute Length (in.)	OAL (in.)	Radius	Order No.	Regular Price	SALE
.015	1/8	.023	1-1/2	None	HC5310015	66.70	46.69
.015	1/8	.045	1-1/2	None	HC5310017	66.70	46.69
.020	1/8	.060	1-1/2	None	HC5310020	66.70	46.69
1/32	1/8	.047	1-1/2	None	HC5310031	66.70	46.69
1/32	1/8	.093	1-1/2	None	HC5310035	66.70	46.69
1/32	1/8	.093	1-1/2	.005	HC5330031	72.65	50.86
.039	1/8	.117	1-1/2	None	HC5310039	66.70	46.69
.040	1/8	.120	1-1/2	None	HC5310040	66.70	46.69
3/64	1/8	.071	1-1/2	None	HC5310046	66.70	46.69
3/64	1/8	.141	1-1/2	None	HC5310048	66.70	46.69
3/64	1/8	.141	1-1/2	.005	HC5330046	72.65	50.86
.050	1/8	.150	1-1/2	None	HC5310050	66.70	46.69
.060	1/8	.180	1-1/2	None	HC5310060	66.70	46.69
1/16	1/8	.093	1-1/2	None	HC5310062	66.15	46.31
1/16	1/8	.186	1-1/2	None	HC5310065	66.15	46.31
1/16	1/8	.186	1-1/2	.010	HC5330062	70.30	49.21
5/64	1/8	.117	1-1/2	None	HC5310078	66.15	46.31
5/64	1/8	.234	1-1/2	None	HC5310080	66.15	46.31
5/64	1/8	.234	1-1/2	.010	HC5330078	70.30	49.21
3/32	1/8	.140	1-1/2	None	HC5310093	66.15	46.31
3/32	1/8	.279	1-1/2	None	HC5310095	66.15	46.31
3/32	1/8	.279	1-1/2	.010	HC5330093	70.30	49.21
.100	1/8	.300	1-1/2	None	HC5310100	66.15	46.31
.118	1/8	.354	1-1/2	None	HC5310118	66.15	46.31
1/8	1/8	.187	1-1/2	None	HC5310125	67.25	47.08
1/8	1/8	.375	1-1/2	None	HC5310127	67.25	47.08
1/8	1/8	.500	1-1/2	None	HC5310129	67.25	47.08
1/8	1/8	.500	1-1/2	.015	HC5330125	71.50	50.05
.156	3/16	.470	2	None	HC5310156	84.55	59.19
3/16	3/16	.625	2	None	HC5310187	84.55	59.19
3/16	3/16	.625	2	.020	HC5330187	96.45	67.52
1/4	1/4	.750	2-1/2	None	HC5310250	112.60	78.82
1/4	1/4	.750	2-1/2	.020	HC5330250	117.10	81.97
1/4	1/4	.750	2-1/2	.030	HC5330255	117.10	81.97
5/16	5/16	.8125	2-1/2	None	HC5310312	169.25	118.48
3/8	3/8	1.000	2-1/2	None	HC5310375	172.45	120.72
3/8	3/8	1.000	2-1/2	.020	HC5330375	186.20	130.34
3/8	3/8	1.000	2-1/2	.030	HC5330380	186.20	130.34
1/2	1/2	1.000	3	.020	HC5330500	272.15	190.51
1/2	1/2	1.000	3	.030	HC5330505	272.15	190.51
1/2	1/2	1.000	3	.060	HC5330510	272.15	190.51

CT1028

Corner Rounding End Mills

- Used for rounding corners
- Adapts to many screw machine applications as end forming tools to form a specific radius
- Use cobalt for difficult to machine materials



Radius (in.)	Shank Dia. (in.)	Largest Dia. (in.)	Cobalt			High Speed Steel		
			Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
1/16	3/8	7/16	DK55RC2CO	32.20	22.54	DK50RC2	20.95	8.38
3/32	3/8	1/2	DK55RC3CO	35.35	24.75	DK50RC3	23.00	9.20
1/8	1/2	5/8	DK55RC4CO	41.15	28.81	DK50RC4	25.50	10.20
5/32	1/2	3/4	DK55RC5CO	45.30	31.71	-	-	-
3/16	1/2	7/8	DK55RC6ACO	50.85	35.60	DK50RC6A	32.30	12.92
3/16	3/4	7/8	DK55RC6CCO	46.85	32.80	DK50RC6C	32.30	12.92
1/4	1/2	1	DK55RC8ACO	54.50	38.15	DK50RC8A	28.40	11.36
1/4	3/4	1	DK55RC8CCO	58.15	40.71	DK50RC8C	28.40	11.36
5/16	1/2	1-1/8	DK55RC10ACO	64.65	45.26	DK50RC10A	39.45	15.78
5/16	7/8	1-1/8	-	-	-	DK50RC10D	39.45	15.78
3/8	1/2	1-1/4	DK55RC12ACO	76.80	53.76	DK50RC12A	43.30	17.32
3/8	3/4	1-1/4	DK55RC12CCO	76.80	53.76	DK50RC12C	43.30	17.32
3/8	7/8	1-1/4	-	-	-	DK50RC12D	43.30	17.32
7/16	3/4	1-3/8	DK55RC14CCO	90.30	63.21	DK50RC14C	53.40	21.36
7/16	1	1-3/8	-	-	-	DK50RC14E	53.40	21.36
1/2	3/4	1-1/2	DK55RC16CCO	98.65	69.06	DK50RC16C	59.95	23.98
1/2	1	1-1/2	DK55RC16ECO	98.65	69.06	DK50RC16E	59.95	23.98
5/8	3/4	1-15/16	DK55RC20CCO	162.10	129.68	DK50RC20C	116.05	46.42
3/4	3/4	2-1/4	DK55RC24CCO	189.65	132.76	DK50RC24C	135.80	54.32
3/4	1	2-1/4	DK55RC24ECO	189.65	132.76	-	-	-
1	3/4	2-5/8	-	-	-	DK50RC32C	219.45	87.78

CT034

Prices Effective April 1, 2018 Thru June 30, 2018

CUTTING TOOLS

NOGA Micro Deburring Set

Model FT3000

- Contains 3 micro tools, (1) micro deburring tool FT1000, (1) micro scraper FT1100 and (1) micro rotodrive countersink FT1200
- Ideal for tool and die maker
- For extra fine jobs
- Blades are not replaceable



Order No.	Regular Price	SALE
FN55FT3000	31.65	22.16

CT935

NOGA Non-Scratch Deburring Blade

- Integrated plastic safety cap protects from scratches
- The plastic cap cannot be removed
- Works best on steel, aluminum and plastic
- HSS, hardness 62-64 RC
- Fits FN55NG1000 NG-1 handle or FN55PV1000 universal chuck holder
- Included angle 40 degrees



Order No.	Regular Price	SALE
FN55BS91111	5.00	3.50

CT934

NOGA Universal Handy Chuck Holder

Model PV1000

- Aluminum handle with non-slip covering
- 3-Jaw chuck helps with the quick and secure clamping of a wide variety of tools, blades and blade holders such as scrapers, countersinks, files, etc.
- Hardness 58 HRC



Order No.	Regular Price	SALE
FN55PV1000	50.65	35.46

CT929

NOGA Mini Ceramic Handle and Convex Blade

Model CR1500

- Ideal for surface scraping and parting line deflashing
- Perfect for plastic materials and soft metals



Order No.	Regular Price	SALE
FN55CR1500	20.00	14.00

CT930

NOGA Adjustable Ceramic Mini Scraper

Model CR4100

- Ideal for surface cleaning, trimming, deburring and parting line deflashing of almost all plastics
- Special blade design for safety



Order No.	Regular Price	SALE
FN55CR4100	24.50	17.15

CT931

SHAVIV Deburring Tools

Set B - Standard Deburring Kit

- For external or internal deburring
- Telescoping blade holder
- 1-1/2" Normal length - extends to 5" for a deep reach



Set Includes	Order No.	Regular Price	SALE
Plastic Handle / B10, B20 Blades	FN50B	12.25	8.58
Aluminum Handle / B10, B20 Blades	FN50BAL	15.30	10.71

HT1004

SHAVIV Replacement Blades



Item	Description	Order No.	Regular Price	SALE
	The basic HSS blade used for steel & aluminum with special nose for the worker's protection	FN50B10	1.85	1.30
	Solid carbide blade similar to B10, for extra hard applications	FN50B10C	6.45	4.52
	Same as B10 blade with TiN coating for extended life when deburring exotic & abrasive materials	FN50B10P	2.80	1.96
	The basic HSS blade used for plastics	FN50B12	1.85	1.30
	This HSS blade is used for brass & cast iron, it can rotate clockwise & counter-clockwise	FN50B20	1.85	1.30
	Solid carbide blade similar to B20, for extra hard applications	FN50B20C	6.45	4.52
	Same as B20 blade with TiN coating for extended life when deburring exotic and abrasive materials	FN50B20P	2.80	1.96
	Replacement handle for B Blades	FN50BHB	5.95	4.17

HT1005

MORSE 14 Pc. Metric Straight Shank Chucking Reamer Set

High Speed Steel • Straight Flute • Right Hand Cut

- Over/under size set in plastic pouch
- Sizes included: .1565, .1585, .2352, .2372, .2746, .2766, .3140, .3160, .3533, .3553, .3927, .3947, .4714, & .4734
- Morse List #1655M



Order No.	Regular Price	SALE
MT5023304	455.25	341.44

CT1011

KEO 5 Pc. Combined Drills & Countersinks Set #1 - #5

- 60° Plain type
- High speed steel



Order No.	Regular Price	SALE
AV4110000	47.10	35.33

CT691



Prices Effective April 1, 2018 Thru June 30, 2018

CUTTING TOOLS

RAPIDKUT 4 Flute Corner Radius End Mills
Solid Carbide • 30° Helix

SAVE
30%

NEW



• Micrograin carbide

Size	Shank Dia.	Flute Length	OAL	Radius	AITIN			DLC			Uncoated		
					Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
.020	1/8	.060	1-1/2	.005	HC5450405	37.30	26.11	HC5450410	43.15	30.21	HC5450400	33.50	23.45
.025	1/8	.075	1-1/2	.005	HC5450420	34.30	24.01	HC5450425	40.15	28.11	HC5450415	30.55	21.39
.030	1/8	.090	1-1/2	.005	HC5450435	32.15	22.51	HC5450440	38.00	26.60	HC5450430	28.35	19.85
.031	1/8	.093	1-1/2	.005	HC5450450	32.15	22.51	HC5450455	38.00	26.60	HC5450445	28.35	19.85
.035	1/8	.105	1-1/2	.005	HC5450465	27.55	19.29	HC5450470	33.40	23.38	HC5450460	23.80	16.66
.039	1/8	.117	1-1/2	.005	HC5450480	22.25	15.58	-	-	-	HC5450475	18.45	12.92
.040	1/8	.120	1-1/2	.005	HC5450490	21.90	15.33	HC5450495	27.75	19.43	HC5450485	18.10	12.67
.040	1/8	.120	1-1/2	.010	HC5450505	21.90	15.33	HC5450510	27.75	19.43	HC5450500	18.10	12.67
.045	1/8	.135	1-1/2	.005	HC5450520	21.90	15.33	HC5450525	27.75	19.43	HC5450515	18.10	12.67
.045	1/8	.135	1-1/2	.010	HC5450535	21.90	15.33	HC5450540	27.75	19.43	HC5450530	18.10	12.67
.047	1/8	.141	1-1/2	.005	HC5450550	21.90	15.33	HC5450555	27.75	19.43	HC5450545	18.10	12.67
.047	1/8	.141	1-1/2	.010	HC5450565	21.90	15.33	HC5450570	27.75	19.43	HC5450560	18.10	12.67
.050	1/8	.150	1-1/2	.005	HC5450580	21.90	15.33	HC5450585	27.75	19.43	HC5450575	18.10	12.67
.050	1/8	.150	1-1/2	.010	HC5450595	21.90	15.33	HC5450600	27.75	19.43	HC5450590	18.10	12.67
.055	1/8	.165	1-1/2	.005	HC5450610	21.90	15.33	HC5450615	27.75	19.43	HC5450605	18.10	12.67
.055	1/8	.165	1-1/2	.010	HC5450625	21.90	15.33	HC5450630	27.75	19.43	HC5450620	18.10	12.67
.060	1/8	.180	1-1/2	.005	HC5450640	21.90	15.33	HC5450645	27.75	19.43	HC5450635	18.10	12.67
.060	1/8	.180	1-1/2	.010	HC5450655	21.90	15.33	HC5450660	27.75	19.43	HC5450650	18.10	12.67
.062	1/8	.186	1-1/2	.005	HC5450670	21.90	15.33	HC5450675	27.75	19.43	HC5450665	18.10	12.67
.062	1/8	.186	1-1/2	.010	HC5450685	21.90	15.33	HC5450690	27.75	19.43	HC5450680	18.10	12.67
.062	1/8	.186	1-1/2	.015	HC5450700	21.90	15.33	HC5450705	27.75	19.43	HC5450695	18.10	12.67
.065	1/8	.195	1-1/2	.005	HC5450715	21.90	15.33	HC5450720	27.75	19.43	HC5450710	18.10	12.67
.065	1/8	.195	1-1/2	.010	HC5450730	21.90	15.33	HC5450735	27.75	19.43	HC5450725	18.10	12.67
.065	1/8	.195	1-1/2	.015	HC5450745	21.90	15.33	HC5450750	27.75	19.43	HC5450740	18.10	12.67
.070	1/8	.210	1-1/2	.005	HC5450760	21.90	15.33	HC5450765	27.75	19.43	HC5450755	18.10	12.67
.070	1/8	.210	1-1/2	.010	HC5450775	21.90	15.33	HC5450780	27.75	19.43	HC5450770	18.10	12.67
.070	1/8	.210	1-1/2	.015	HC5450790	21.90	15.33	HC5450795	27.75	19.43	HC5450785	18.10	12.67
.075	1/8	.225	1-1/2	.005	HC5450805	21.90	15.33	HC5450810	27.75	19.43	HC5450800	18.10	12.67
.075	1/8	.225	1-1/2	.010	HC5450820	21.90	15.33	HC5450825	27.75	19.43	HC5450815	18.10	12.67
.075	1/8	.225	1-1/2	.015	HC5450835	21.90	15.33	HC5450840	27.75	19.43	HC5450830	18.10	12.67
.078	1/8	.234	1-1/2	.005	HC5450850	21.90	15.33	HC5450855	27.75	19.43	HC5450845	18.10	12.67
.078	1/8	.234	1-1/2	.010	HC5450865	21.90	15.33	HC5450870	27.75	19.43	HC5450860	18.10	12.67
.078	1/8	.234	1-1/2	.015	HC5450880	21.90	15.33	HC5450885	27.75	19.43	HC5450875	18.10	12.67
.080	1/8	.240	1-1/2	.005	HC5450895	21.90	15.33	HC5450900	27.75	19.43	HC5450890	18.10	12.67
.080	1/8	.240	1-1/2	.010	HC5450910	21.90	15.33	HC5450915	27.75	19.43	HC5450905	18.10	12.67
.080	1/8	.240	1-1/2	.015	HC5450925	21.90	15.33	HC5450930	27.75	19.43	HC5450920	18.10	12.67
.085	1/8	.255	1-1/2	.005	HC5450940	21.90	15.33	HC5450945	27.75	19.43	HC5450935	18.10	12.67
.085	1/8	.255	1-1/2	.010	HC5450955	21.90	15.33	HC5450960	27.75	19.43	HC5450950	18.10	12.67
.085	1/8	.255	1-1/2	.015	HC5450970	21.90	15.33	HC5450975	27.75	19.43	HC5450965	18.10	12.67
.090	1/8	.270	1-1/2	.005	HC5450985	21.90	15.33	HC5450990	27.75	19.43	HC5450980	18.10	12.67
.090	1/8	.270	1-1/2	.010	HC5451000	21.90	15.33	HC5451005	27.75	19.43	HC5450995	18.10	12.67
.090	1/8	.270	1-1/2	.015	HC5451015	21.90	15.33	HC5451020	27.75	19.43	HC5451010	18.10	12.67
.093	1/8	.279	1-1/2	.005	HC5451030	21.90	15.33	HC5451035	27.75	19.43	HC5451025	18.10	12.67
.093	1/8	.279	1-1/2	.010	HC5451045	21.90	15.33	HC5451050	27.75	19.43	HC5451040	18.10	12.67
.093	1/8	.279	1-1/2	.015	HC5451060	21.90	15.33	HC5451065	27.75	19.43	HC5451055	18.10	12.67
.093	1/8	.279	1-1/2	.020	HC5451075	21.90	15.33	HC5451080	27.75	19.43	HC5451070	18.10	12.67
.093	1/8	.279	1-1/2	.030	HC5451090	21.90	15.33	-	-	-	HC5451085	18.10	12.67
.095	1/8	.285	1-1/2	.005	HC5451100	21.90	15.33	HC5451105	27.75	19.43	HC5451095	18.10	12.67
.095	1/8	.285	1-1/2	.010	HC5451115	21.90	15.33	HC5451120	27.75	19.43	HC5451110	18.10	12.67
.095	1/8	.285	1-1/2	.015	HC5451130	21.90	15.33	HC5451135	27.75	19.43	HC5451125	18.10	12.67
.100	1/8	.300	1-1/2	.005	HC5451145	21.90	15.33	HC5451150	27.75	19.43	HC5451140	18.10	12.67
.100	1/8	.300	1-1/2	.010	HC5451160	21.90	15.33	HC5451165	27.75	19.43	HC5451155	18.10	12.67
.100	1/8	.300	1-1/2	.015	HC5451175	21.90	15.33	HC5451180	27.75	19.43	HC5451170	18.10	12.67
1/8	1/8	1/2	1-1/2	.005	HC5451190	21.90	15.33	HC5451195	27.75	19.43	HC5451185	18.10	12.67
1/8	1/8	1/2	1-1/2	.010	HC5451205	21.90	15.33	HC5451210	27.75	19.43	HC5451200	18.10	12.67
1/8	1/8	1/2	1-1/2	.015	HC5451220	21.90	15.33	HC5451225	27.75	19.43	HC5451215	18.10	12.67
1/8	1/8	1/2	1-1/2	.020	HC5451235	21.90	15.33	HC5451240	27.75	19.43	HC5451230	18.10	12.67
1/8	1/8	1/2	1-1/2	.030	HC5451250	21.90	15.33	HC5451255	27.75	19.43	HC5451245	18.10	12.67
5/32	3/16	9/16	2	.010	HC5451265	24.25	16.98	-	-	-	HC5451260	20.20	14.14
5/32	3/16	9/16	2	.015	HC5451275	24.25	16.98	-	-	-	HC5451270	20.20	14.14
5/32	3/16	9/16	2	.030	HC5451285	24.25	16.98	-	-	-	HC5451280	20.20	14.14
3/16	3/16	5/8	2	.010	HC5451295	24.25	16.98	HC5451300	33.40	23.38	HC5451290	20.20	14.14
3/16	3/16	5/8	2	.015	HC5451310	24.25	16.98	HC5451315	33.40	23.38	HC5451305	20.20	14.14
3/16	3/16	5/8	2	.020	HC5451325	24.25	16.98	-	-	-	HC5451320	20.20	14.14
3/16	3/16	5/8	2	.030	HC5451335	24.25	16.98	HC5451340	33.40	23.38	HC5451330	20.20	14.14
3/16	3/16	5/8	2	.045	HC5451350	24.25	16.98	HC5451355	33.40	23.38	HC5451345	20.20	14.14
1/4	1/4	3/4	2-1/2	.010	HC5451365	30.25	21.18	HC5451370	39.70	27.79	HC5451360	24.70	17.29
1/4	1/4	3/4	2-1/2	.015	HC5451380	30.25	21.18	HC5451385	39.70	27.79	HC5451375	24.70	17.29
1/4	1/4	3/4	2-1/2	.020	HC5451395	30.25	21.18	-	-	-	HC5451390	24.70	17.29
1/4	1/4	3/4	2-1/2	.030	HC5451405	30.25	21.18	HC5451410	39.70	27.79	HC5451400	24.70	17.29
1/4	1/4	3/4	2-1/2	.045	HC5451420	30.25	21.18	HC5451425	39.70	27.79	HC5451415	24.70	17.29
1/4	1/4	3/4	2-1/2	.060	HC5451435	30.25	21.18	HC5451440	39.70	27.79	HC5451430	24.70	17.29
3/8	3/8	1	2-1/2	.030	HC5451450	44.95	31.47	-	-	-	HC5451445	37.55	26.29
3/8	3/8	1	2-1/2	.060	HC5451460	44.95	31.47	-	-	-	HC5451455	37.55	26.29
1/2	1/2	1	3	.030	HC5451470	66.55	46.59	-	-	-	HC5451465	58.00	40.60
1/2	1/2	1	3	.060	HC5451480	66.55	46.59	-	-	-	HC5451475	58.00	40.60

CT1023

Prices Effective April 1, 2018 Thru June 30, 2018

CUTTING TOOLS

HYPRO Spiral Fluted Taps with Modified Bottom

- Steam oxide finish
- For tapping hardened steel
- Best application: 4140, 4340, H13, D2 and 1055 up to 35HRC
- Other H limits available and bright finish taps
- OSG List #290



Size	No. of Flutes	H3			H5		
		Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
4-40	3	TP282911401	23.51	17.63	-	-	-
6-32	3	TP282912401	19.09	14.32	TP282917401	19.09	14.32
8-32	3	TP282912801	19.09	14.32	TP282917801	19.09	14.32
10-24	3	TP282913401	19.09	14.32	TP282918401	19.09	14.32
10-32	3	TP282913801	19.09	14.32	TP282918801	19.09	14.32
1/4-20	3	TP282930001	20.72	15.54	TP282940001	20.72	15.54
1/4-28	3	TP282930401	20.72	15.54	TP282940401	20.72	15.54
5/16-18	3	TP282930801	25.45	19.09	TP282940801	25.45	19.09
5/16-24	3	TP282931201	25.45	19.09	TP282941201	25.45	19.09
3/8-16	3	TP282931601	29.59	22.19	TP282941601	29.59	22.19
3/8-24	3	TP282931801	29.59	22.19	TP282941801	29.59	22.19
7/16-14	3	TP282932001	44.20	33.15	TP282942001	44.20	33.15
7/16-20	3	TP282932201	44.20	33.15	TP282942201	44.20	33.15
1/2-13	3	TP282932401	52.09	39.07	TP282942401	52.09	39.07
1/2-20	3	TP282932601	52.09	39.07	TP282942601	52.09	39.07
5/8-11	4	TP282933201	91.74	68.81	TP282943201	91.74	68.81
5/8-18	4	TP282933401	91.74	68.81	-	-	-
3/4-10	4	TP282933601	117.98	88.49	TP282943601	117.98	88.49
3/4-16	4	TP282933801	117.98	88.49	TP282943801	117.98	88.49
7/8-9	4	-	-	-	TP282944001	163.83	122.87
1-8	4	-	-	-	TP282944401	218.53	163.90

CT546

EXOTAP® A-TAP® Spiral Flute Taps

- Sharp cutting edge stabilizes chip shape
- Variable helix accelerates chip evacuation
- OSG's V coating for long tool life
- Good for carbon steels, alloy steels, 300 and 400 series stainless steels
- OSG List #16505



Size	Thread Limits	OAL	No. of Flutes	Order No.	Regular Price	SALE
4-40	H2	56mm	2	TP531650500108	28.20	26.79
6-32	H3	56mm	2	TP531650500508	23.07	21.92
8-32	H3	63mm	2	TP531650500808	23.07	21.92
10-24	H3	70mm	2	TP531650501108	23.77	22.58
10-32	H2	70mm	2	TP531650501308	23.61	22.43
10-32	H3	70mm	2	TP531650501208	23.61	22.43
1/4-20	H3	80mm	2	TP531650501708	25.92	24.62
1/4-20	H5	80mm	2	TP531650501608	25.92	24.62
1/4-28	H3	80mm	2	TP531650501908	25.92	24.62
1/4-28	H4	80mm	2	TP531650501808	25.92	24.62
5/16-18	H3	90mm	3	TP531650502108	28.78	27.34
5/16-18	H5	90mm	3	TP531650502008	28.78	27.34
5/16-24	H3	90mm	3	TP531650502308	28.78	27.34
5/16-24	H4	90mm	3	TP531650502208	28.78	27.34
3/8-16	H3	100mm	3	TP531650502508	32.00	30.40
3/8-16	H5	100mm	3	TP531650502408	32.00	30.40
3/8-24	H3	90mm	3	TP531650502708	32.00	30.40
3/8-24	H4	90mm	3	TP531650502608	32.00	30.40
7/16-14	H3	100mm	3	TP531650502908	39.63	37.65
7/16-14	H5	100mm	3	TP531650502808	39.63	37.65
7/16-20	H3	100mm	3	TP531650503108	39.63	37.65
7/16-20	H5	100mm	3	TP531650503008	39.63	37.65
1/2-13	H3	110mm	3	TP531650503308	46.49	44.17
1/2-13	H5	110mm	3	TP531650503208	46.49	44.17
1/2-20	H3	100mm	3	TP531650503508	46.49	44.17
9/16-12	H3	110mm	3	TP531650503708	78.16	74.25
9/16-18	H3	100mm	3	TP531650503908	78.16	74.25
9/16-18	H5	100mm	3	TP531650503808	78.16	74.25
5/8-11	H3	110mm	3	TP531650504108	88.40	83.98
5/8-11	H5	110mm	3	TP531650504008	88.40	83.98
5/8-18	H3	100mm	3	TP531650504308	88.40	83.98
5/8-18	H5	100mm	3	TP531650504208	88.40	83.98
3/4-10	H3	125mm	4	TP531650504508	112.98	107.33
3/4-10	H5	125mm	4	TP531650504408	112.98	107.33
3/4-16	H3	110mm	4	TP531650504708	118.63	112.70
3/4-16	H5	110mm	4	TP531650504608	118.63	112.70
7/8-9	H4	140mm	4	TP531650504908	158.47	150.55
7/8-9	H6	140mm	4	TP531650504808	158.47	150.55
1-8	H4	160mm	4	TP531650505308	196.59	186.76
1-8	H6	160mm	4	TP531650505208	196.59	186.76

CT923

PRO CUT™ 41 Pc. Metric Tap & Hex Die Set - High Speed Steel

3mm thru 12mm



Set contains one of each: Plug tap and 1" hex die for the following sizes plus tools indicated.

Thread sizes:

3mm x 0.50mm	7mm x 0.75mm
3mm x 0.60mm	7mm x 1.00mm
4mm x 0.75mm	8mm x 1.00mm
4mm x 0.70mm	8mm x 1.25mm
5mm x 0.80mm	10mm x 1.25mm
5mm x 0.90mm	10mm x 1.50mm
6mm x 1.00mm	12mm x 1.50mm
6mm x 0.75mm	12mm x 1.75mm
	1/8 NPT

Threading tools:

- Adjustable die stock
- Screw pitch gauge (metric)
- Screw driver
- Two T-handle tap wrenches
- Straight tap wrench

Order No.	Regular Price	SALE
ET51HS6312	286.95	172.17

CT017

MORSE CUTTING TOOLS Taper Pipe Taps

Ground Thread • High Speed Steel • NPT/ANPT

- Chamfer - 2 - 3-1/2 threads
- Regular thread NPT taper pipe taps are commonly used for tapping pipe fittings and couplings in a wide variety of materials
- Assembly requires the use of a thread sealant to ensure a tight seal



Size	Thread Length (in.)	OAL (in.)	No. of Flutes	Order No.	Regular Price	SALE
1/16-27	11/16	2-1/8	4	MT4036121	19.65	13.76
1/8-27 (Sm. Shk.)	3/4	2-1/8	4	MT4036122	19.55	13.69
1/8-27 (Lg. Shk.)	3/4	2-1/8	4	MT4036123	19.55	13.69
1/4-18	1-1/16	2-7/16	4	MT4036124	21.35	14.95
3/8-18	1-1/16	2-9/16	4	MT4036125	28.05	19.64
1/2-14	1-3/8	3-1/8	4	MT4036126	44.60	31.22
3/4-14	1-3/8	3-1/4	5	MT4036127	63.10	44.17
1-11-1/2	1-3/4	3-3/4	5	MT4036128	95.15	66.61
1-1/4-11-1/2	1-3/4	4	5	MT4036129	134.70	94.29
1-1/2-11-1/2	1-3/4	4-1/4	7	MT4036130	184.70	129.29
2-11-1/2	1-3/4	4-1/2	7	MT4036131	248.20	173.74

CT518

MORSE CUTTING TOOLS Spiral Pointed Plug Taps

High Speed Steel • Bright Finish

MADE IN THE USA



- Plug style for tapping through holes
- Production tapping in a wide range of materials



Size	Thread Limit	No. of Flutes	Order No.	Regular Price	SALE
0-80	H2	2	MT3634002	15.50	10.85
2-56	H2	2	MT3634008	10.55	7.39
4-40	H2	2	MT3634016	7.75	5.43
5-40	H2	2	MT3634021	8.00	5.60
6-32	H3	2	MT3634025	6.60	4.62
8-32	H3	2	MT3634029	6.60	4.62
10-24	H3	2	MT3634033	6.60	4.62
10-32	H3	2	MT3634036	6.60	4.62
12-24	H3	2	MT3634038	6.60	4.62
1/4-20	H3	2	MT3633003	5.85	4.10
1/4-28	H3	2	MT3633009	5.85	4.10
5/16-18	H3	2	MT3633015	6.30	4.41
5/16-24	H3	2	MT3633021	6.30	4.41
3/8-16	H3	3	MT3633027	7.45	5.22
3/8-24	H3	3	MT3633031	8.00	5.60
7/16-14	H3	3	MT3633034	12.70	8.89
7/16-20	H3	3	MT3633036	12.70	8.89
1/2-13	H3	3	MT3633040	12.95	9.07
1/2-20	H3	3	MT3633044	15.15	10.61
5/8-11	H3	3	MT3633046	29.05	20.34
5/8-18	H3	3	MT3633050	29.05	20.34
3/4-10	H3	3	MT3633048	41.00	28.70
3/4-16	H3	3	MT3633052	40.60	28.42

CT516



Prices Effective April 1, 2018 Thru June 30, 2018

CUTTING TOOLS

RAPIDKUT Combination Drill & Taps High Speed Steel



- Drills and taps in a single pass
- Point is self-centering and eliminates the need for center drilling or center punching

SAVE 35%

Tap Size	Tap Thread Length (in.)	Drill Size	Drill Flute Length (in.)	OAL (in.)	Order No.	Regular Price	SALE
4-40	3/8	.0890	1/4	1-7/8	ER5990440	21.00	13.65
6-32	7/16	.1095	5/16	2	ER5990632	22.45	14.59
8-32	1/2	.1360	3/8	2-1/8	ER5990832	20.25	13.16
10-24	5/8	.1520	13/32	2-3/8	ER5991024	21.30	13.85
10-32	5/8	.1610	13/32	2-3/8	ER5991032	21.30	13.85
1/4-20	25/32	.2010	17/32	2-1/2	ER59420	20.95	13.62
5/16-18	15/16	.2570	11/16	2-27/32	ER59518	30.55	19.86
3/8-16	1-1/16	.3125	13/16	3-3/8	ER59616	36.15	23.50
1/2-13	1-3/8	.4250	1-1/8	4-1/16	ER59813	51.15	33.25

CT1016

HY-PRO HY-PRO[®] Spiral Fluted With Modified Bottom Fractional • TiCN Coated



- For tapping medium to high carbon steels, alloy steels, cast iron, carbon steels, die steels, stainless steels hardened steel under 35 Hrc
- OSG List # 290

Size	Thread Limit	No. of Flutes	Order No.	Regular Price	SALE
3/8-16	H3	3	TP282931608	36.35	27.26
3/8-16	H5	3	TP282941608	36.35	27.26
3/8-16	H7	3	TP282942108	33.89	25.42
3/8-24	H7	3	TP282941708	33.89	25.42
7/16-20	H5	3	TP282942208	50.61	37.96
1/2-13	H3	3	TP282932408	59.64	44.73
1/2-13	H5	3	TP282942408	59.64	44.73
1/2-13	H7	3	TP282942508	59.64	44.73
5/8-11	H3	4	TP282933208	105.05	78.79
3/4-10	H5	4	TP282943608	135.10	101.33
3/4-16	H5	4	TP282943808	135.10	101.33

CT1016

Threading Restoring Files



- Overlap a few good threads & use just like a file to restore damaged areas
- 7/16" Square x 8-1/2" overall length



For Use With - Bolts			
Repairs (TPI)	Order No.	Regular Price	SALE
80, 1.00, 1.25, 1.50, 1.75, 2.00, 2.50, & 3.00mm	FB808M	9.60	7.20
11, 12, 13, 14, 16, 18, 20, & 24	FB801	9.60	7.20
9, 10, 12, 16, 20, 27, 28, & 32	FB802	9.60	7.20

For Use With - External Pipe Threads			
Repairs (TPI)	Order No.	Regular Price	SALE
8, 10, 11-1/2 & 14	FB805†	29.30	21.98

† 1" x 1/2" x 8-3/8"

CT001

MORSE ShearTap[™] Spiral Flute Production Taps

- Semi-bottoming style for tapping blind holes
- CNC reduced neck design
- High speed steel- oxide over nitride
- Production tapping in carbon steels & stainless steels up to 35Rc

SAVE 30%



Size	Thread Limit	No. of Flutes	Order No.	Regular Price	SALE
4-40	H2	3	MT3534450	22.70	15.89
6-32	H2	3	MT3534453	17.55	12.29
6-32	H3	3	MT3534454	17.55	12.29
8-32	H3	3	MT3534457	17.55	12.29
10-24	H3	3	MT3534460	17.55	12.29
10-32	H3	3	MT3534462	17.55	12.29
1/4-20	H3	3	MT3534466	19.25	13.48
1/4-28	H3	3	MT3534468	19.25	13.48
5/16-18	H3	3	MT3534470	21.60	15.12
5/16-24	H3	3	MT3534472	21.60	15.12
3/8-16	H3	3	MT3534474	24.00	16.80
3/8-24	H3	3	MT3534476	24.00	16.80
7/16-14	H3	3	MT3534478	30.70	21.49
7/16-20	H3	3	MT3534480	30.70	21.49
1/2-13	H3	3	MT3534482	35.55	24.89
1/2-20	H3	3	MT3534484	35.55	24.89
5/8-11	H3	3	MT3534488	64.10	44.87
3/4-10	H3	4	MT3534492	79.80	55.86
7/8-9	H4	4	MT3534520	115.90	81.13
1-8	H4	4	MT3534522	150.95	105.67

CT315

HY-PRO High Performance Spiral Fluted Modified Bottom EXOTAPS[®] EXOTAP[®] VA-3 Spiral Fluted Modified Bottom Taps

- TiCN coated
- Designed for stainless steel 17-4PH, low carbon steels, stainless steel 300 & 400, medium-high carbon steels
- OSG List #303



Size	Chamfer Length	Thread Limits	No. of Flutes	Order No.	Regular Price	SALE
6-32	2.5P - 3P	H3	3	TP241732208	24.66	22.19
8-32	2.5P - 3P	H3	3	TP241732308	24.66	22.19
10-24	2.5P - 3P	H2	3	TP241724508	25.22	22.70
10-32	2.5P - 3P	H3	3	TP241732508	25.22	22.70
10-32	2.5P - 3P	H5	3	TP241722508	25.22	22.70
1/4-20	2.5P - 3P	H3	3	TP241732608	27.70	24.93
1/4-20	2.5P - 3P	H5	3	TP241722608	27.70	24.93
1/4-28	2.5P - 3P	H3	3	TP241732708	27.70	24.93
5/16-18	2.5P - 3P	H3	3	TP241732808	30.71	27.64
5/16-18	2.5P - 3P	H5	3	TP241722808	30.71	27.64
5/16-24	2.5P - 3P	H3	3	TP241732908	30.71	27.64
3/8-16	2.5P - 3P	H3	3	TP241733008	34.23	30.81

CT1020

MORSE ShearTap[™] Spiral Point Production Taps

SAVE 30%

- Plug style for tapping through holes
- CNC reduced neck design
- High speed steel - oxide over nitride
- Production tapping in carbon steel and stainless steels up to 35 Rc



Size	Thread Limit	No. of Flutes	Order No.	Regular Price	SALE
4-40	H3	2	MT3534401	13.65	9.56
6-32	H3	2	MT3534405	11.45	8.02
8-32	H3	3	MT3534408	11.55	8.09
10-24	H3	3	MT3534410	11.55	8.09
10-32	H3	3	MT3534412	11.55	8.09
1/4-20	H3	3	MT3534417	12.90	9.03
1/4-28	H3	3	MT3534420	12.90	9.03
5/16-18	H3	3	MT3534422	14.00	9.80
5/16-24	H3	3	MT3534424	14.00	9.80
3/8-16	H3	3	MT3534426	15.80	11.06
3/8-24	H3	3	MT3534428	15.80	11.06
7/16-14	H3	3	MT3534430	20.20	14.14
7/16-20	H3	3	MT3534432	20.20	14.14
1/2-13	H3	3	MT3534434	23.30	16.31
1/2-20	H3	3	MT3534436	23.30	16.31
5/8-11	H3	4	MT3534440	41.90	29.33
3/4-10	H3	4	MT3534444	60.05	42.04
7/8-9	H4	4	MT3534500	88.90	62.23
1-8	H4	4	MT3534502	116.55	81.59

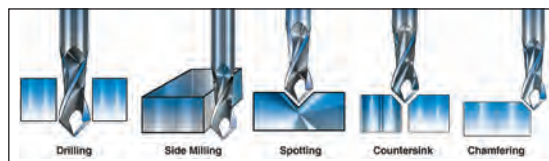
CT281

CUTTING TOOLS

RAPIDKUT 2 Flute and 4 Flute Drill Mills 60 • 82 • 90 Degree

- Can be used for drilling, slotting, chamfering and profile milling
- Made from premium submicron grain carbide
- Tolerance: + .000 / -.002"

**SAVE
30%**



Size (in.)	Shank Dia. (in.)	Flute Length (in.)	OAL (in.)	Number of Flutes - 2																		
				60 Degree			82 Degree			90 Degree			Uncoated									
				Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE							
.015	1/8	.045	1-1/2	-	-	-	-	-	-	-	HC5120155	33.35	23.35	-	-	-	-	-	HC5120150	29.30	20.51	
.020	1/8	.060	1-1/2	-	-	-	-	-	-	-	HC5120165	33.35	23.35	-	-	-	-	-	HC5120160	29.30	20.51	
.025	1/8	.075	1-1/2	-	-	-	-	-	-	-	HC5120175	33.35	23.35	-	-	-	-	-	HC5120170	29.30	20.51	
.030	1/8	.090	1-1/2	-	-	-	-	-	-	-	HC5120185	31.30	21.91	-	-	-	-	-	HC5120180	27.40	19.18	
1/32	1/8	3/32	1-1/2	-	-	-	-	-	-	-	HC5120195	27.85	19.50	-	-	-	-	-	HC5120190	24.05	16.84	
.045	1/8	.105	1-1/2	-	-	-	-	-	-	-	HC5120205	27.15	19.01	-	-	-	-	-	HC5120200	23.65	16.56	
1/8	1/8	1/2	1-1/2	HC5120295	27.85	19.50	HC5120305	28.75	20.13	HC5120315	27.85	19.50	HC5120290	24.05	16.84	HC5120300	24.95	17.47	HC5120310	24.05	16.84	
3/64	1/8	1/8	1-1/2	-	-	-	-	-	-	-	HC5120215	27.85	19.50	-	-	-	-	-	HC5120210	24.05	16.84	
.060	1/8	.180	1-1/2	-	-	-	-	-	-	-	HC5120225	27.15	19.01	-	-	-	-	-	HC5120220	23.65	16.56	
1/16	1/8	3/16	1-1/2	HC5120235	27.85	19.50	HC5120245	28.75	20.13	HC5120255	27.85	19.50	HC5120230	24.05	16.84	HC5120240	24.95	17.47	HC5120250	24.05	16.84	
5/64	1/8	3/16	1-1/2	-	-	-	-	-	-	-	HC5120265	27.85	19.50	-	-	-	-	-	HC5120260	24.05	16.84	
3/32	1/8	3/8	1-1/2	HC5120275	27.85	19.50	-	-	-	-	HC5120285	27.85	19.50	HC5120270	24.05	16.84	-	-	HC5120280	24.05	16.84	
5/32	3/16	9/16	2	-	-	-	-	-	-	-	HC5120325	29.00	20.30	-	-	-	-	-	HC5120320	24.95	17.47	
3/16	3/16	5/8	2	HC5120335	29.00	20.30	HC5120345	29.65	20.76	HC5120355	29.00	20.30	HC5120330	24.95	17.47	HC5120340	25.60	17.92	HC5120350	24.95	17.47	
1/4	1/4	3/4	2-1/2	HC5120365	40.90	28.63	HC5120375	41.95	29.37	HC5120385	40.90	28.63	HC5120360	35.30	24.71	HC5120370	36.40	25.48	HC5120380	35.30	24.71	
5/16	5/16	13/16	2-1/2	-	-	-	-	-	-	-	HC5120395	43.50	30.45	-	-	-	-	-	HC5120390	33.55	23.49	
3/8	3/8	1	2-1/2	HC5120405	51.70	36.19	HC5120415	53.05	37.14	HC5120425	51.70	36.19	HC5120400	44.30	31.01	HC5120410	45.65	31.96	HC5120420	40.70	28.49	
7/16	7/16	1	2-3/4	-	-	-	-	-	-	-	DD8356088	59.85	38.90	-	-	-	-	-	DD8316088	48.70	31.66	
1/2	1/2	1	3	HC5120435	81.10	56.77	HC5120445	83.20	58.24	HC5120455	81.10	56.77	HC5120430	70.15	49.11	-	-	-	HC5120450	69.75	48.83	
1/2	1/2	1-1/8	3-1/8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	HC5120440	72.20	50.54	-	-
5/8	5/8	1-1/4	3-1/2	-	-	-	-	-	-	-	DD8356090	128.35	83.43	-	-	-	-	-	HC5120460	125.70	87.99	
3/4	3/4	1-1/2	4	-	-	-	-	-	-	-	DD8356091	190.75	123.99	-	-	-	-	-	HC5120465	191.60	134.12	

Size (in.)	Shank Dia. (in.)	Flute Length (in.)	OAL (in.)	Number of Flutes - 4																				
				60 Degree			82 Degree			90 Degree			TIN			Uncoated								
				Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE			
1/32	1/8	3/32	1-1/2	HC5140305	27.85	19.50	-	-	-	HC5140315	27.85	19.50	-	-	-	HC5140300	24.05	16.84	-	-	-	HC5140310	24.05	16.84
3/64	1/8	1/8	1-1/2	HC5140330	27.85	19.50	-	-	-	HC5140335	27.85	19.50	-	-	-	HC5140320	24.05	16.84	-	-	-	HC5140325	24.05	16.84
1/16	1/8	3/16	1-1/2	HC5140345	27.85	19.50	HC5140355	30.00	21.00	HC5140365	27.85	19.50	HC5140370	26.55	18.59	HC5140340	24.05	16.84	HC5140350	26.20	18.34	HC5140360	24.05	16.84
5/64	1/8	3/16	1-1/2	HC5140380	27.85	19.50	HC5140390	30.00	21.00	HC5140400	27.85	19.50	-	-	-	HC5140375	24.05	16.84	HC5140385	26.20	18.34	HC5140395	24.05	16.84
3/32	1/8	3/8	1-1/2	HC5140410	27.85	19.50	HC5140420	30.00	21.00	HC5140430	27.85	19.50	HC5140435	26.55	18.59	HC5140405	24.05	16.84	HC5140415	26.20	18.34	HC5140425	24.05	16.84
1/8	1/8	1/2	1-1/2	HC5140445	27.85	19.50	HC5140455	30.00	21.00	HC5140465	27.85	19.50	HC5140470	26.55	18.59	HC5140440	24.05	16.84	HC5140450	26.20	18.34	HC5140460	24.05	16.84
5/32	3/16	9/16	2	HC5140480	29.00	20.30	-	-	-	HC5140490	29.00	20.30	-	-	-	HC5140475	24.95	17.47	-	-	-	HC5140485	24.95	17.47
3/16	3/16	5/8	2	HC5140500	29.00	20.30	HC5140510	31.15	21.81	HC5140520	29.00	20.30	HC5140525	27.85	19.50	HC5140495	24.95	17.47	HC5140505	27.10	18.97	HC5140515	24.95	17.47
1/4	1/4	3/4	2-1/2	HC5140535	40.90	28.63	HC5140545	43.50	30.45	HC5140555	40.90	28.63	HC5140560	38.35	26.85	HC5140530	35.30	24.71	HC5140540	37.90	26.53	HC5140550	35.30	24.71
5/16	5/16	13/16	2-1/2	HC5140570	43.50	30.45	HC5140580	46.00	32.20	HC5140590	43.50	30.45	HC5140595	41.25	28.88	HC5140565	37.00	25.90	HC5140575	39.55	27.69	HC5140585	37.00	25.90
3/8	3/8	1	2-1/2	HC5140605	51.70	36.19	HC5140615	54.55	38.19	HC5140625	51.70	36.19	HC5140630	48.70	34.09	HC5140600	44.30	31.01	HC5140610	47.20	33.04	HC5140620	44.30	31.01
7/16	7/16	1	2-3/4	HC5140640	77.70	54.39	-	-	-	HC5140650	77.70	54.39	-	-	-	HC5140635	68.50	47.95	-	-	-	HC5140645	68.50	47.95
1/2	1/2	1	3	HC5140660	81.10	56.77	HC5140670	84.70	59.29	HC5140680	81.10	56.77	HC5140685	75.10	52.57	HC5140655	70.15	49.11	HC5140665	73.75	51.63	HC5140675	70.15	49.11
5/8	5/8	1-1/4	3-1/2	HC5140695	118.00	82.60	HC5140705	122.70	85.89	HC5140715	118.00	82.60	HC5140720	113.50	79.45	HC5140690	107.05	74.94	HC5140700	111.70	78.19	HC5140710	107.05	74.94
3/4	3/4	1-1/2	4	HC5140730	174.25	121.98	HC5140740	180.55	126.39	HC5140750	174.25	121.98	HC5140755	169.75	118.83	HC5140725	162.40	113.68	HC5140735	168.70	118.09	HC5140745	162.40	113.68

CT1026

AFT ALORNO-POLK TOOL **Capscrew Counterbore Sets**

- Straight shank
- High speed steel
- Available in three pilot sizes on sized, 1/64" oversized, and 1/32" oversized

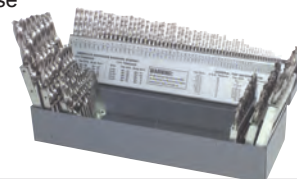


No. of Pieces	Set Range	Order No.	Regular Price	SALE
8	3mm thru 14mm	BL5409133	334.80	251.10
10	#4 thru 1/2" (1/32" oversize pilots)	BL5409130	322.35	241.76
10	#4 thru 1/2" (1/64" oversize pilots)	BL5409131	322.35	241.76
10	#4 thru 1/2" (on size pilots)	BL5409132	322.35	241.76

CT024

RAPIDKUT 3-In-1 Jobber Drill Sets

- 115 Pc. sets with folding metal index case
- 1/16" - 1/2" by 64th, 1-60, A-Z
- High speed steel for production drilling in a broad range of materials
- Cobalt heavy duty for drilling in tough, high tensile strength materials and longer tool life



Set Material	Set Coating	Set Angle	Order No.	Regular Price	SALE
High Speed Steel	Bright Finish	118° Standard Point	AP50C123H	212.25	159.19
Cobalt	Bronze Oxide	135° Split Point	AP50CO123H	569.25	370.01

CT019



Prices Effective April 1, 2018 Thru June 30, 2018

CUTTING TOOLS

Solid Carbide Spade Drills 118° Point

- Heavy duty web enables shallow hole drilling in hardened steel & other high tensile strength materials
- Drilling thin sheet metals
- Shallow hole drilling in most materials
- Spot drilling



SAVE 40%

Head Dia. (in.)	OAL (in.)	Web Thick. at Point	Incl. Angle of Flutes	Order No.	Regular Price	SALE
3/32	1-1/2	.015	10°	DD561200	10.90	6.54
1/8	1-1/2	.015	10°	DD561201	10.35	6.21
5/32	2	.020	14°	DD561202	16.85	10.11
3/16	2	.020	14°	DD561203	17.90	10.74
7/32	2	.025	16°	DD561204	22.60	13.56
1/4	2	.025	16°	DD561205	21.10	12.66
9/32	2	.030	16°	DD561206	32.50	19.50
5/16	2	.030	18°	DD561207	31.25	18.75
11/32	2-1/2	.035	18°	DD561208	42.20	25.32
3/8	2-1/2	.035	18°	DD561209	40.20	24.12
13/32	2-1/2	.045	20°	DD561210	56.30	33.78
7/16	2-1/2	.050	20°	DD561211	53.80	32.28
15/32	2-1/2	.055	20°	DD561212	67.90	40.74
1/2	2-1/2	.060	20°	DD561213	65.60	39.36

CT013

Heavy Duty Cobalt Screw Machine Drills Cobalt • 135° Split Point

- Effective in high alloys and work hardening materials
- Precision Twist List #M40CO



SAVE 35%

Size (in.)	Flute Length (in.)	OAL (in.)	Order No.	Regular Price	SALE
1/16	5/8	1-5/8	PT1840304	2.15	1.40
5/64	11/16	1-11/16	PT1840305	2.20	1.43
3/32	3/4	1-3/4	PT1840306	2.15	1.40
7/64	13/16	1-13/16	PT1840307	2.45	1.59
1/8	7/8	1-7/8	PT1840308	2.80	1.82
9/64	15/16	1-15/16	PT1840309	2.85	1.85
5/32	1	2-1/16	PT1840310	3.10	2.02
11/64	1-1/16	2-1/8	PT1840311	3.50	2.28
3/16	1-1/8	2-3/16	PT1840312	4.10	2.67
13/64	1-3/16	2-1/4	PT1840313	4.65	3.02
7/32	1-1/4	2-3/8	PT1840314	5.15	3.35
15/64	1-5/16	2-7/16	PT1840315	5.70	3.71
1/4	1-3/8	2-1/2	PT1840316	5.70	3.71
17/64	1-7/16	2-5/8	PT1840317	6.70	4.36
9/32	1-1/2	2-11/16	PT1840318	7.10	4.62
5/16	1-5/8	2-13/16	PT1840320	8.85	5.75
3/8	1-13/16	3-1/8	PT1840324	12.20	7.93
13/32	1-15/16	3-5/16	PT1840326	14.40	9.36
1/2	2-1/4	3-3/4	PT1840332	19.60	12.74

CT943

1/2" Shank Silver & Deming Drills

- High speed steel
- 118° Point
- 3-1/8" Flute length
- 6" Overall length



SAVE 30%

Size (in.)	Order No.	Regular Price	SALE
17/32	MT5717032	18.30	12.81
9/16	MT5717034	19.45	13.62
19/32	MT5717036	21.10	14.77
5/8	MT5717038	21.90	15.33
21/32	MT5717040	23.60	16.52
11/16	MT5717042	24.25	16.98
23/32	MT5717044	25.20	17.64
3/4	MT5717046	27.45	19.22
25/32	MT5717048	29.70	20.79
13/16	MT5717050	30.80	21.56
27/32	MT5717052	31.85	22.30
7/8	MT5717054	33.50	23.45

Size (in.)	Order No.	Regular Price	SALE
29/32	MT5717056	34.95	24.47
15/16	MT5717058	37.45	26.22
31/32	MT5717060	39.55	27.69
1	MT5717062	44.05	30.84
1-1/16	MT5717066	64.60	45.22
1-1/8	MT5717070	72.35	50.65
1-3/16	MT5717074	79.45	55.62
1-1/4	MT5717078	88.00	61.60
1-5/16	MT5717082	118.40	82.88
1-3/8	MT5717086	136.15	95.31
1-7/16	MT5717090	146.40	102.48
1-1/2	MT5717094	164.65	115.26

CT570

4XD Solid Carbide Drills 140° Point • AlTiN Coated

- Advanced 140° self-centering drill point provides the fastest penetration and ultimate longevity
- Premium C-2 grade sub-micron grain carbide with 10% cobalt extends tool life
- 25° helix
- Right hand cut / right hand spiral
- Diameter tolerance: +.0000 / -.0005"



SAVE 35%

MADE IN THE USA

Size (in.)	Decimal Equiv.	Shank Dia. (in.)	OAL (in.)	Order No.	Regular Price	SALE
3/64	.0469	1/8	1-1/2	AX7210000	20.40	13.26
1/16	.0625	1/8	1-1/2	AX7210004	20.40	13.26
5/64	.0781	1/8	2	AX7210009	21.80	14.17
3/32	.0938	1/8	2	AX7210015	21.80	14.17
7/64	.1094	1/8	2	AX7210022	22.85	14.85
1/8	.1250	1/8	2	AX7210024	22.85	14.85
9/64	.1406	3/16	2	AX7210028	26.10	16.97
5/32	.1562	3/16	2-1/2	AX7210030	28.50	18.53
11/64	.1719	3/16	2-1/2	AX7210033	29.65	19.27
3/16	.1875	3/16	2-1/2	AX7210035	29.65	19.27
13/64	.2031	1/4	2-1/2	AX7210039	36.65	23.82
7/32	.2188	1/4	2-1/2	AX7210042	37.65	24.47
15/64	.2344	1/4	2-1/2	AX7210043	37.65	24.47
1/4, E	.2500	1/4	2-1/2	AX7210044	39.85	25.90
17/64	.2656	5/16	3	AX7210046	52.50	34.13
9/32, K	.2812	5/16	3	AX7210048	54.70	35.56
19/64	.2969	5/16	3	AX7210049	54.70	35.56
5/16	.3125	5/16	3	AX7210050	54.70	35.56
21/64	.3281	3/8	3	AX7210051	66.40	43.16
11/32	.3438	3/8	3	AX7210053	68.60	44.59
23/64	.3594	3/8	3	AX7210054	68.60	44.59
3/8	.3750	3/8	3	AX7210056	68.60	44.59
25/64	.3906	7/16	4	AX7210057	100.60	65.39
13/32	.4063	7/16	4	AX7210058	100.60	65.39
27/64	.4219	7/16	4	AX7210059	100.60	65.39
7/16	.4375	7/16	4	AX7210060	100.60	65.39
29/64	.4531	1/2	4	AX7210061	118.60	77.09
31/64	.4688	1/2	4	AX7210062	118.60	77.09
1/2	.5000	1/2	4	AX7210063	118.60	77.09
33/64	.5156	9/16	4	AX7210064	141.30	91.85
17/32	.5312	9/16	4	AX7210065	143.50	93.28
35/64	.5469	9/16	4	AX7210066	143.50	93.28
9/16	.5625	9/16	4	AX7210067	143.50	93.28
37/64	.5781	5/8	5	AX7210068	201.10	130.72
19/32	.5938	5/8	5	AX7210069	201.10	130.72
5/8	.6250	5/8	5	AX7210070	203.30	132.15
21/32	.6562	3/4	5	AX7210071	261.15	169.75
11/16	.6875	3/4	5	AX7210072	265.55	172.61
3/4	.7500	3/4	5	AX7210073	265.55	172.61

CT939

Combined Drills & Countersinks

60° Included Angle • High Speed Steel

- Often called "center drills"
- Designed for drilling center holes in the ends of work pieces to be held between standard 60° centers



SAVE 30%

Size	Body Dia. (in.)	OAL (in.)	Order No.	Regular Price	SALE
000	1/8	1-1/4	MT1925049	8.15	5.71
00	1/8	1-1/4	MT1925050	8.15	5.71
0	1/8	1-1/4	MT1925051	8.15	5.71
1	1/8	1-1/4	MT1925041	6.55	4.59
2	3/16	1-7/8	MT1925042	6.55	4.59
3	1/4	2	MT1925043	6.60	4.62
4	5/16	2-1/8	MT1925044	6.80	4.76
5	7/16	2-3/4	MT1925045	10.15	7.11
6	1/2	3	MT1925046	15.25	10.68
7	5/8	3-1/4	MT1925047	21.65	15.16
8	3/4	3-1/2	MT1925048	29.35	20.55

CT777

MEASURING TOOLS

Starrett® 0 - 6" (0 - 150mm) Outside Micrometer Set

Model No. ST444.1CXRLZ

- Measuring range 0 - 6" (0 - 150mm)
- Standard included with sizes over 1" (25mm)
- Graduation .0001"
- Carbide tipped faces
- Ratchet stop
- Lock nut
- Satin chrome finish on spindle



Order No.	Regular Price	SALE
MV7072532	874.00	819.40

MT1423

TESA TECHNOLOGY brown & sharpe Twin-Cal Electronic Calipers

IP40 Level Protection

- Resolution .0005" / 0.01mm
- Swiss made quality and design
- Built-in TWIN-TLC wireless functionality (additional components required)
- IP40 protection from liquids and dust
- Absolute and differential measuring system
- Stainless steel frame
- Large 7/16" LCD
- Auto shut-off
- Instant inch/metric conversion
- Depth rod is square (except MV4547473 which is round)
- Uses 3V lithium battery type CR2032 (included)



Model No.	Range (in.)	Order No.	Regular Price	SALE
00590092	0 - 6 / 0 - 150mm	MV4547473	143.00	137.75
00590093	0 - 6 / 0 - 150mm	MV4547474	143.00	137.75
00590094	0 - 8 / 0 - 200mm	MV4547475	196.00	188.75
00590095	0 - 12 / 0 - 300mm	MV4547476	276.00	265.80

MT1213

PRO-CHECK Electronic Calipers

- Inch / metric reading with direct conversion
- Resolution: .0005"/0.01mm
- Hardened stainless steel with precision lapped finish
- 4-Way measuring inside & outside measures
- Supplied with storage case
- Replacement battery: KA56ECR2032



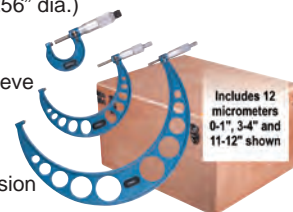
Measuring Range	Resolution	Jaw Depth	Order No.	Regular Price	SALE
0 - 6 / 0 - 150mm	.0005" / 0.01mm	1-9/16	PC20EC061505	63.10	28.95
0 - 6 / 0 - 150mm	.0005" / 0.01mm, 64ths	1-9/16	PC20EC06150F	63.10	28.95
0 - 8 / 0 - 200mm	.0005" / 0.01mm	1-15/16	PC20EC082005	100.40	46.05
0 - 12 / 0 - 300mm	.0005" / 0.01mm	2-1/2	PC20EC123005	148.60	68.20

MT1273

Fowler Micrometer Sets

0 - 6" or 0 - 12"

- Hammertone blue baked enamel finish
- Microfine graduations on satin chrome finish
- Carbide-tipped measuring faces (.256" dia.)
- Graduation .0001"
- Flatness .00003"
- Quick, easy zero adjustment on sleeve
- Positive lever locking clamp
- Spindle thread hardened, ground and lapped for ultimate accuracy
- Anvil & spindle hardened and precision ground with microlap finish on tips
- Meets or exceeds federal accuracy specs
- Includes standards for all sizes over 1", wrenches, and wooden case



Measuring Range	Model No.	Order No.	Regular Price	SALE
0 - 6	52-215-006-1	NA5552215006	311.85	300.95
0 - 12	52-215-012-1	NA5552215012	936.60	583.70

MT1471

Fowler 0 - 1" Micrometer with Bluetooth Kit

- Transmitter acts as a keyboard wedge
- Rechargeable battery (transmitter) with automatic off switch
- Accuracy: ± .00016" / 0.004mm
- Resolution: .00005" / 0.001mm
- Carbide measuring faces
- Absolute & incremental modes



Order No.	Regular Price	SALE
NA5554860001BT	145.00	133.30

MT1491

Starrett® No. EC799A Basic Electronic Calipers

No SPC Output

- Resolution .0005" / 0.01mm
- Lightweight, ergonomic design
- Zero at any position
- Automatic shut-off after 30 minutes of non-use
- Last measuring position retained when shut off
- Hardened stainless steel body
- Integrated depth rod on all sizes
- Lock screw and fine adjustment thumb wheel
- With case



Model No.	Measuring Range (in./mm)	Order No.	Regular Price	SALE
EC799A-6/150	0 - 6 / 0 - 150mm	MV7000142	158.00	148.15
EC799A-6/150 W/ SLC	0 - 6 / 0 - 150mm	MV7072665†	207.00	215.65
EC799A-8/200	0 - 8 / 0 - 200mm	MV7000145	222.00	208.15
EC799A-8/200 W/ SLC	0 - 8 / 0 - 200mm	MV7072685†	275.00	286.50
EC799A-12/300	0 - 12 / 0 - 300mm	MV7000148	332.00	311.25

† With standard letter of certification

MT785



Prices Effective April 1, 2018 Thru June 30, 2018

MEASURING TOOLS

Fowler Dial Bore Gage Sets with Carbide Anvils

- Easy to read
- Graduation: .0005"
- Chrome plated handle
- Insulated grip
- Includes extension holder and fitted case



Total Range	Order No.	Regular Price	SALE
.7 - 1.5"	NA5552646100	150.55	91.60
2 - 6"	NA5552646300	124.40	93.95
4 - 12"	NA5552646600	217.70	204.00

MT1081

Fowler Economy Digital Calipers

- Resolution: .0005" / 0.01mm
- Stainless steel frame
- Direct inch/metric conversion
- Accuracy: .001" / 0.02mm (4" & 6" models), .0015" / 0.04mm (8" & 12" models)
- Large easy-to-read LCD display
- Includes molded case



Range (in.)	Order No.	Regular Price	SALE
0 - 12 / 0 - 300mm	NA5554100112	181.75	115.60
0 - 4 / 0 - 100mm	NA5554100004	101.85	74.65
0 - 6 / 0 - 150mm	NA5554100000	118.75	74.65
0 - 8 / 0 - 200mm	NA5554100008	139.45	95.30

MT1124

INSIZE Digital Outside Calipers

- Battery CR2032
- Data output
- Made of stainless steel
- Supplied with certification



Range	Resolution	Model No.	Order No.	Regular Price	SALE
0 - 6 / 0 - 150mm	.0005 / 0.01mm	1108-150	SZ201108150	54.10	42.45
0 - 8 / 0 - 200mm	.0005 / 0.01mm	1108-200	SZ201108200	80.00	62.75
0 - 12 / 0 - 300mm	.0005 / 0.01mm	1108-300	SZ201108300	119.90	94.05

MT1426

GENERAL Digital Multimeter Auto Ranging

- CAT III 600V
- 8 Functions
- 25 Ranges
- Measures AC/DC voltage, AC/DC current, resistance, diode integrity
- Maximum voltage resolution 0.5mV
- Backlit LCD



Order No.	Regular Price	SALE
NB49DMM45	30.00	24.00

MT1417

PROCHECK Absolute Electronic Calipers with Output

- Absolute encoding technology memorize origin zero
- .0005"/0.01mm Resolution
- Data output port (USB/SPC kit optional)
- IP54 protection against water drops and dust
- Inside & outside measures
- Hardened stainless steel with precision lapped finish
- Replacement battery: KA56ECR2032



Measuring Range	Resolution	Jaw Depth	Order No.	Regular Price	SALE
0 - 6 / 0 - 150mm	.0005" / 0.01mm	1-9/16	PC20EC061505AB	84.50	38.75
0 - 8 / 0 - 200mm	.0005" / 0.01mm	1-15/16	PC20EC082005AB	116.45	53.45
0 - 12 / 0 - 300mm	.0005" / 0.01mm	2-1/2	PC20EC123005AB	156.65	71.85

MT1272

PROCHECK Heavy Duty Electronic Long Range Calipers

- Resolution: .0005"/0.01mm
- Preset mode for outside and offset for inside jaws
- Inch / metric conversion and hold feature
- Data output port (USB/SPC kit optional)
- Supplied with storage case
- Replacement battery: KA56ECR2032



Measuring Range	Resolution	Jaw Depth	Order No.	Regular Price	SALE
0 - 24 / 0 - 600mm	.0005" / 0.01mm	4	PC20EC246005HD	358.10	176.00
0 - 40 / 0 - 1000mm	.0005" / 0.01mm	6	PC20EC4010005HD	800.65	393.45

MT1274

LANG CAT III Digital Multimeter Kit

- 600V AC/DC, 10A AC/DC
- 32MΩ resistance
- Frequency to 32kHz
- Continuity and diode test
- Temperature to 1400° F
- RPM for 1-8 cylinders
- Digital display and analog bargraph
- Protective rubber boot
- Tilt stand for hands-free operation
- Dual fuse protection
- Kit includes meter, temperature adapter, thermocoupler, inductive pickup, test leads, fabric pouch



Order No.	Regular Price	SALE
KL4013803	108.15	82.35

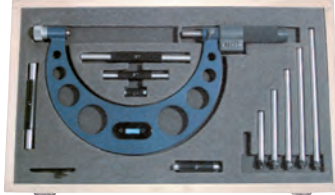
MT1247

Prices Effective April 1, 2018 Thru June 30, 2018

MEASURING TOOLS

Fowler EZ-Read Digital Interchangeable Anvil Micrometer Sets

- Direct reading to .0001" without a vernier
- Accuracy: .00024"
- Graduation: .0001"
- Spindle and thread hardened and ground
- Supplied with 6 anvils
- Complete in case



Range (in.)	Order No.	Regular Price	SALE
0 - 6	NA5552401206	215.70	151.10
6 - 12	NA5552401207	273.45	189.80

MT994

Fowler IP54 Depth Micrometer Coolant, Water & Oil Resistant

- Range: 0-6"/0-150mm
- 4" Base: hardened tool steel, precision ground & microlapped
- Protected to IP54 standards
- Resolution: .00005"/0.001mm
- Direct RS232 output
- Automatic switch off
- Large LCD display



Order No.	Regular Price	SALE
NA5554225456	222.65	178.60

MT981

Mitutoyo Precision Tool Kit

Dial Test Indicator 513-907-10E

- Graduation: .0005"
- Range: .030"
- Dial reading: 0-15-0
- Jeweled bearings, anti-magnetic
- 3/8" Stem
- Accepts 3/8" or 5/32" holding stems, plus dovetail groove
- 150N Magnetic force



Order No.	Regular Price	SALE
MT80513-907-10E	215.00	181.80

MT849

Mitutoyo Digimatic Indicator

575 Series - Model IDU

- Range: 0-1" / 0-25mm
- Display- .0005" / 0.01mm
- Easy to read LCD
- SPC output
- Slim design fits into tight spaces
- Battery powered for portability
- Functions include: in/mm conversion, zero-set and on/off
- Supplied with lifting lever
- Flat back only



Order No.	Regular Price	SALE
MT80575-123	195.00	189.60

MT633

Fowler Dial Calipers

- .100" Per revolution
- .001" Dial graduations
- 4-Way measurement
- Hardened stainless steel rack
- Supplied in shop-hardened case



Measuring Range (in.)	Order No.	Regular Price	SALE
0 - 6	NA5552008007	55.00	33.00
0 - 12	NA5552008012	220.65	85.35

MT982

TESA brown & sharpe 0-6" Dial-Cal Calipers with Free Swiss Army Knife

- Range per revolution .100"
- Stainless steel construction
- Adjustable zero set
- 1.25" Diameter rotating dial with lock
- Anti-backlash, shockproof design
- Measure four ways: inside, outside, depth and step
- Graduation .001"



Model No.	Dial Face Color	Order No.	Regular Price	SALE
599-579-4K	White	MV4551774K	175.00	130.35
599-579-5K	Black	MV4551879K	175.00	130.35

MT1470

TESA brown & sharpe 5" Value Line Sine Bar

- Quickly measure the desired angle in a machine setup
- Hardened and precision ground
- 1" body size. 5" distance between centers of rolls within .0003"
- Top parallel to bottom of rolls within .0002"
- Supplied with back plate



Order No.	Regular Price	SALE
MV4526986	89.00	93.95

MT1494

Starrett Angle Meter

- Large scale for reading
- Pitch/angle calculator finds rise, run, angle, pitch information on back of tool



Order No.	Regular Price	SALE
MV8036080	16.35	11.55

MT214

GENERAL Digital Stop Watch

- Normal time shows: hour, minute, second, AM/PM indicator, month, date, day
- 12/24 Hour user selectable
- 1/100 Second chronograph
- 8 Recallable lap memories
- Count-down timer with one second ew



Order No.	Regular Price	SALE
NB49SW269	20.00	16.00

MT964

MEASURING TOOLS

Fowler Premium Certified Dial Indicators

- Popular AGD 2 series
- Jet console-black dial face with orange hand or white dial face with black hand
- Range 0-1"
- .001" Graduation
- 0-100 continuous reading
- Carbide contact point
- Includes certificate of calibration



MT1048

Face Color	Order No.	Regular Price	SALE
Black	NA55525201101	52.05	30.90
White	NA55525201102	52.05	30.90

Mitutoyo 1" Travel AGD 2 Dial Indicator

- 2-1/4" Dial
- .001" Graduation
- Lug back
- Revolution counter
- 3/8" Diameter stem



MT1136

Order No.	Regular Price	SALE
MT802416S	119.00	100.65

PRO-CHECK IP54 Dial Indicator - 1" Travel, .001" Graduation

- IP54 protection, shockproof design
- Rubber bellow on stem and o-ring seal safety cap
- O-ring protection for bezel and dial
- Sealed back plate (lug back)
- Tolerance markers
- AGD Group 2
- Lug back and carbide point



MT1271

Range per Revolution	Dial Reading	Dial Face Dia.	Face Color	Order No.	Regular Price	SALE
.100	0-100	2-1/4	White	PC21DI211IP5SP	47.75	33.25

NUGA Double Fine Adjustment Magnetic Base Model DG6160

- New double fine adjustment - Bottom: unique single direction; Top: universal swivel clamp
- Powerful ON/OFF magnetic base with 176 lbs force
- Holds 6mm, 8mm 3/8", dovetail, and back lug
- Unique central locking mechanism with Noga designed spring loaded bearing
- Five axis holder
- Instantly fastens in any position
- Fast and easy to set up gauges into required position
- Black finished arms
- Bottom arm measures 110mm
- Top arm measures 101mm



MT1434

Order No.	Regular Price	SALE
FN60DG6160	141.40	100.85

Fowler Two Dimensional Co-Axial Indicator Sets

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

Features:

- Indicator assembly with 1.6"/42.5mm diameter dial
- Graduations and revolution counter .0005"/0.01mm
- 3 Internal and external feelers
- Center point feeler
- Restraining arm
- Complete in a fitted case



MT1077

Specifications:

- Length: 6.875"
- Shank: 3/8" dia. x 7/8"
- Feeler ball: 1/8" dia.
- Dial readings: 0-50
- Measuring range: .250" axis offset
- Speed — recommended not to exceed approx. 800 RPM
- Locating accuracy to within .0002"/0.005mm of true center
- Capacity depends on feelers installed, but overall range is 5/32-12" internal diameter; 0-12" external diameter

Model No.	Total Range	Order No.	Regular Price	SALE
52-710-025	0-12"	NA5552710025	243.80	157.40
52-710-030	0-107.9mm	NA5552710030	248.55	168.65

Mitutoyo Dial Calipers

- Smooth sliding
- Shock protection
- Lock screw on bezel
- White face
- 6" and 8" main beam coated with titanium nitride
- .001" Graduation
- .100" Range / revolution
- +/- .002" Accuracy



MT1408

Measuring Range	Order No.	Regular Price	SALE
0 - 6	MT80505-742	121.00	102.35
0 - 8	MT80505-743	177.00	149.70
0 - 12	MT80505-746	281.00	237.65

Starrett® 0 - 6" Dial Calipers Model No. 3202-6

- Quick, accurate measurement of OD, ID, depth and step
- Sharp, clear dial graduations of .001"
- Thumb-operated fine adjustment roll
- Sharp, black graduations on the satin finish bar
- Hardened stainless steel bar, measuring surfaces, rack, gears, and depth rod
- Positive, spring-loaded double pinion anti-backlash control



MT1313

Range (in.)	Starrett No.	Order No.	Regular Price	SALE
0 - 6	3202-6	MV7061467	102.00	95.65

MEASURING TOOLS

PRO-CHECK Long Range Dial Test Indicators - .060" Range

- .060" Long range travel
- Jeweled movement and easy-to-read, tilted dial
- Automatic reversal and revolution counter
- Tungsten carbide point capable of 210° Swivel arc
- Supplied with (1) each 5/32" and 3/8" dovetail stems and 3 carbide tip contact points, .040, .080, .120 diameter tip x 11/16" long
- Storage case supplied



Graduations	Dial Face Dia.	Face Color	Order No.	Regular Price	SALE
.001	1	White	PC21TI0601021W	126.75	88.25
.0005	1	White	PC21TI0601035W	126.75	88.25
.0005	1-1/2	White	PC21TI0601535W	126.75	88.25
.0005	1-1/2	White	PC21TIV0601535W†	126.75	88.25

† Vertical model

MT1264

Interapid Dial Test Indicators

- Two way action - no reversing lever
- Carbide contact point
- Ball bearings and jeweled movement
- Extremely low measuring pressure
- Precise repetitive readings
- Points are interchangeable between .0005" and .001" indicators
- Contact point swivels 210°
- Shank diameter - 5/32"
- Diameter ball - .080"



42775

41686

Indicator Style - Horizontal, Long Range							
Graduation (in.)	Total Range (in.)	Contact Length (in.)	Dial Face Dia. (in.)	Model No.	Order No.	Regular Price	SALE
.001	.060	11/16	1	312B-20	MV4041682	281.00	253.70
.0005	.060	11/16	1-1/2	312B-1	MV4042775	278.00	251.00
.0005	.060	11/16	1	312B-2	MV4086150	276.00	249.20

Indicator Style - Horizontal, Short Range							
Graduation (in.)	Total Range (in.)	Contact Length (in.)	Dial Face Dia. (in.)	Model No.	Order No.	Regular Price	SALE
.0001	.016	11/16	1	312B-4	MV4041681	347.00	313.30
.0001	.016	11/16	1-1/2	312B-3	MV4041680	342.00	308.75

Indicator Style - Vertical, Long Range							
Graduation (in.)	Total Range (in.)	Contact Length (in.)	Dial Face Dia. (in.)	Model No.	Order No.	Regular Price	SALE
.001	.060	11/16	1	312B-20V	MV4041687	281.00	253.70
.0005	.060	11/16	1	312B-2V	MV4041686	291.00	262.75
.0005	.060	11/16	1-1/2	312B-1V	MV4041685	296.00	267.25

MT769

PRO-CHECK Tri-Blocks

- Hardened 55 to 62 HRC
- Tolerance .0003" to .0005"/0.005mm to 0.010mm



Size (in.)	Order No.	Regular Price	SALE
1 x 2 x 3	NM52E123	14.20	9.00
2 x 4 x 6	NM52PR246	143.00	56.95
25 x 50 x 75mm	NM52E25M	23.90	12.00

MT1205

Mitutoyo "Quik-Set" Test Indicators with Dovetail Mount

Set includes: (1).078" dia. carbide point installed, (1) stem - 3/8" dia. (8mm dia. for metric indicators) plus clamp with dovetail, holding bar and .039" and .118" steel ball contact point. Supplied with fitted plastic case.



513-402T 513-405T

- Jeweled bearings
- Automatic reverse

Type - Inch						
Type	Range (in.)	Graduation (in.)	Reading	Order No.	Regular Price	SALE
Long Point	.030	.0005	0-15-0	MT80513-412T	215.00	181.85

Type - Metric						
Type	Range (in.)	Graduation (in.)	Reading	Order No.	Regular Price	SALE
Horizontal	0.2mm	0.002mm	0-100-0	MT80513-405T	191.00	161.55

MT924

Fowler Test Indicator Set

with Certificate of Calibration

- Auto-reverse
- Jewelled movement
- Total range: ±.030"
- Dial reading: 0-15-0
- Graduation: .0005"
- Dial diameter: 1.125"
- Point length: .400"
- Includes .080" and .040" carbide contact points, universal clamp, height gage attachment, 3/8" and 1/4" dovetail extensions in a fitted molded case.



Order No.	Regular Price	SALE
NA5552562999	123.75	87.25

MT1311

BAKER AGD Dial Indicators

- Fitted with brass bushing
- Tolerance pointers
- Forged brass case with satin chrome finish
- Lug back

ISO 9002

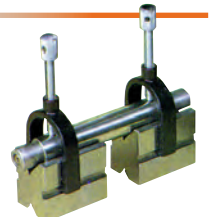


Range	Graduation	Reading	Type	Order No.	Regular Price	SALE
.050	.0001	0-50-0	AGD 2	NB73KB59	84.63	57.30
.250	.001	0-100	AGD 2	NB73KB46	44.20	29.85
.500	.0005	0-25-0	AGD 2	NB73KB53	51.21	34.55
.500	.0005	0-50	AGD 2	NB73KB54	51.21	34.55
1.000	.001	0-100	AGD 2	NB73KB50	44.20	29.85
2.000	.001	0-100	AGD 3	NB73JB76	173.02	117.65

MT769

PRO-CHECK V-Block Sets

- A precision set for toolmakers & machinists
- Made of hardened tool steel machined and ground in pairs to close tolerances
- Clamping capacity 1"
- Two V-blocks and two clamps are included in the set



Capacity (in.)	Size (in.)	Order No.	Regular Price	SALE
1	1-1/4 x 1-1/4 x 1-5/8	NG52NVB117	30.25	14.70
1-1/2	1-5/8 x 1-3/4 x 2-3/4	NG52NVB150	41.25	25.90

MT968

Prices Effective April 1, 2018 Thru June 30, 2018

MEASURING TOOLS

PRO-CHECK Central Lock Universal Magnetic Base & Indicator Set

- Anodized 7" universal clamp
- Easy grip and lock
- On/off magnetic base with fine adjustment



MT1451

Order No.	Regular Price	SALE
PC21CLMB7FA35K	118.00	82.15

PRO-CHECK 1/4 x 1/2" Height Gage Bar with 3/8" Dovetail Clamp



MT1475

Order No.	Regular Price	SALE
PC21RH1412DTC5	16.25	11.35

PRO-CHECK Axial Support with Dovetail - 3/8" Shank

- Triple Joints allow for multiple test indicator positions
- Dovetail or 5/32" Stem Mount



MT1477

Order No.	Regular Price	SALE
PC21AS38DT	23.10	15.15

PRO-CHECK Universal Test Indicator Dovetail Stem

- Universal 5/32" stem fits most test indicators with dovetail mounts



MT1479

Order No.	Regular Price	SALE
PC21DTS532	10.95	4.80

PRO-CHECK Premium Quill Clamp Indicator Holder

- Heavy duty construction
- CNC machined body
- Red anodized finish



MT1446

Order No.	Regular Price	SALE
PC21QC1	61.40	42.75

NNOGA Flex Dial Gage Holders

- Five axis holder
- Powerful magnetic base
- Fine adjustment
- Central locking mechanism with spring loaded bearing
- 2.2" x 2.0" Arm dimension



Description	Stem Hole	Magnetic Pull	Order No.	Regular Price	SALE
Axial support for centering on milling machines, 8mm stem for collet mounting	3/8	-	FN60NF1018	68.20	48.65
Flex Dial Gage Holder with Fine Adjustment on Top Clamp	3/8, 6mm, or 8mm	70 lbf	FN60NF61003	92.80	66.15
Power On/Off Flex Holder with Fine Adjustment at Base-Standard Arm	3/8	70 lbf	FN60NF10433	100.95	72.00
Always-On Flex Dial Gage Holder with 360 Degree Fine Adj at Base	3/8	61 lbf	FN60NF1033	114.60	81.70
Flex Dial Gage Holder with 360 Degree Fine Adj at Base	3/8	70 lbf	FN60NF1024	116.60	83.15

MT1877

Fowler X-PROOF

Water Resistant Indicator Set

Magnetic Base:

- Fine adjustment
- Base dimensions: 2" x 2-11/32" x 1-13/16"
- Also mounts test indicators with 1/4" post
- 85 lb Pull
- On-Off lever release magnet
- V-base for placing on round surfaces

X-Proof Indicator:

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



Order No.	Regular Price	SALE
NA5552585155	83.45	57.95

MT1144

PRO-CHECK .030 x .0005" Test Indicator with Accessories

- Includes: Height Gage Bar with Universal Dovetail; 3/8" clamp, Universal Dovetail Holder with 1/4" Shank; Axial support with 3/8" shank; 3/8 to 5/32" busing and 5/32 Dovetail stem
- Supplied in convenient case with slot for test indicator



Order No.	Regular Price	SALE
PC21TIK3135W	126.40	88.00

MT1481

PRO-CHECK Test Indicator Accessory Kit

- Includes: Height Gage Bar with Universal Dovetail; 3/8" clamp, Universal Dovetail Holder with 1/4" Shank; Axial support with 3/8" shank; 3/8 to 5/32" busing and 5/32 Dovetail stem; Supplied in convenient case with slot for test indicator



Order No.	Regular Price	SALE
PC21TIAKT1	68.40	47.65

MT1480

MEASURING TOOLS

PROCHECK Precision Angle Gage Set

5° to 90° in 5° Increments

- 18 Individual gages
- 8 Gaging surfaces per gage
- Each gage checks primary, 1/2 primary and complementary angles
- Quick & accurate inspection of angles & ID or OD chamfers
- Positioning of the lathe tools for chamfers
- Inspecting angles on ground form tools and cutters



Order No.	Regular Price	SALE
NB67L300AG	39.95	24.50

MT250

PROCHECK Radius Gage Sets

- All sets have stainless steel, hardened, satin chrome clad finish
- Each blade marked with size
- Plastic case included



Size (in.)	No. of Pieces	Order No.	Regular Price	SALE
1/64 to 17/64 by 64ths and 9/32 to 1/2 by 32nds	25	NB67L300CX	36.20	20.15
9/16 to 1 by 16ths	8	NB67L300E	98.90	37.30

MT264

PROCHECK Screw Pitch Gages

Screw Pitch Gages



Leaves	Pitch	Order No.	Regular Price	SALE
30	4 to 42	NE60SP30	4.95	2.30
51	4 to 84	NE60SP51	14.95	4.15

MT1384

PROCHECK Screw Pitch Gages

MADE IN THE USA

- Narrow designed blades permit use for internal and external screw threads
- Correct pitch is determined by matching blade teeth with threads
- Each blade made from finest quality steel available
- Each blade clearly marked with proper thread size
- Blades protected in sturdy steel case
- Locking device at each end to secure all blades for storage, or position an individual blade for use



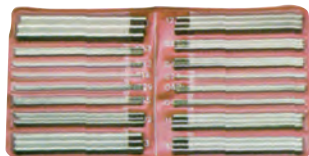
Type	No. of Leaves	No. of Groups	Pitch	Order No.	Regular Price	SALE
English Gage	51	3	4-84"	NB405651	44.05	37.35
English/Metric	28	2	4-56" & .50-6.00mm	NB405629	22.55	19.15
Metric Gage	18	2	.5 to 7mm	NB405617†	19.50	16.55
Metric Gage	28	2	.25 to 2.50mm	NB405625	22.55	19.15

† Center Gage with coarse and fine notch included

MT102

Thread Measuring Wire Sets

- 48 wires — 16 different sizes
- Measures all threads from 3 - 48 threads per inch
- Measures all metric threads from 0.5 mm to 6 mm
- Laminated chart included
- Furnished in fitted vinyl case



Brand Name	Order No.	Regular Price	SALE
Pee Dee	NG4916	33.00	27.50
Procheck	NB5316	13.75	5.05

MT695

TESA

TECHNOLOGY

brown & sharpe

6 Pc. Telescoping

Gage Set

5/16 to 6" Measuring Range

- Uniform contact pressure
- Self centering plungers
- Locks on any setting
- Rounded contacts
- Knurled knob on handle
- Bore size obtained by measuring over gage contacts with a micrometer



Order No.	Regular Price	SALE
MV4545369	164.00	157.95

MT1492

PROCHECK Feeler Thickness Gages

- Straight leaf thickness gage - 1/2" wide x 3" long
- Tapered leaf thickness gage - 3" long leaves taper from 1/2" to 1/4"



STG26



TTG26

No. of Leaves	Style	Range	Order No.	Regular Price	SALE
9	Straight	.0015 to .015	NB45STG9	3.95	1.65
26	Straight	.0015 to .025	NB45STG26	7.60	2.85
26	Tapered	.0015 to .025	NB45TTG26	6.95	2.85

MT1202

PROCHECK Digital Protractor Set

- USB data output
- Setting preset value
- Removable blade
- Changeable direction
- Zero setting at any position
- 3 measurement patterns (1 x 360°, 2 x 180°, 4 x 90°)



Order No.	Regular Price	SALE
PC23496EDS	510.60	304.70

MT1484

PROCHECK 1/8" Steel Parallel Set

10 Pair Set

- 1/8 x 1/2 to 1/8 x 1-5/8"
- Made of high grade alloy steel, hardened and ground from 1/8" stock
- Two holes in each parallel
- Accuracy: ±.0002" parallelism in height
- ±.001" to size in height



Model No.	Order No.	Regular Price	SALE
TPS11	NM55TPS11	62.55	28.20

MT060

Prices Effective April 1, 2018 Thru June 30, 2018

MEASURING TOOLS

Starrett® Edge Finders

827 Series

- Edge finders accurately locate working edges, shoulders, grooves, center points and scribed lines
- Hardened and centerless ground to precision tolerances



53062

53063

Description	Shank	Stylus	Style	Order No.	Regular Price	SALE
Edge	3/8	.200	Single End	MV7053062	26.50	24.85
Edge	10mm	6mm	Single End	MV7056041	27.50	25.80
Edge/Center	1/2	.200 x Point	Double End	MV7053063	32.50	30.50

MT670

Fowler Electronic Edge Finder

- Repeatability: .0002"
- Edge finder lights instantly when stylus touches work edge
- Read off any electrically conductive metal
- Furnished complete with bulb, AAA alkaline battery and protective sleeve
- Six lights provide better visibility at any angle

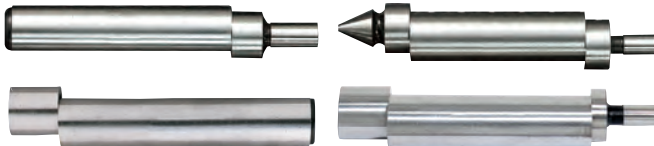


Order No.	Regular Price	SALE
NA5554575600	33.80	22.10

MT961

PRO-CHECK Individual Edge & Center Finders

- Edge finders accurately locate working edges, shoulders, grooves, center points and scribed lines
- Hardened and centerless ground to precision tolerances



Style	End	Shank (in.)	Tip Size (in./mm)	Order No.	Regular Price	SALE
Center	Single End	3/8	Point	NE60089	5.40	3.00
Center	Single End	1/2	Point	NE60090	6.55	3.00
Edge	Single End	1/2	.200	NE60088	5.65	3.00
Edge	Single End	1/2	.500	NE60083	5.25	2.80
Edge	Single End	3/8	.200	NE60085	5.40	2.90
Edge	Double End	1/2	.200 x .500	NE60084	5.70	3.05
Edge/Center	Double End	3/8	.200 x Point	NE60087	6.55	2.90
Edge/Center	Double End	1/2	.200 x Point	NE60086	8.00	3.05

MT081

PRO-CHECK Universal Mag Base & Indicator Set

- Test indicator range .030"
- Graduation .0005"
- Universal magnetic base
- Swivel range: 210°
- Protective case included



Order No.	Regular Price	SALE
PC21UMB35K	95.60	66.55

MT1456

Fowler Mini-MAG Protractor

The mini-MAG Protractor provides instant 360° digital inclination display of any angle with the additional unique feature of embedded magnets on two sides.



- Embedded magnets with 35 lb. pull
- Measuring range: 360° (4 x 90°)
- Resolution: .05°
- Accuracy: ± .1°
- Repeatability: ± .1°
- Voltage: standard 9V battery (250 hrs.)

Order No.	Regular Price	SALE
NA55544224501	96.90	62.25

MT953

PRECISION BRAND Blue Tempered Shim Stock

Branded® Shim from Precision Brand allows you to immediately identify your shim stock with precision accuracy.



- Thickness, width and tracking number clearly marked on shim
- Stock is high carbon 1095 hardened and tempered spring steel



Type - 2-Pack Blue Tempered Shim Stock Sheets				
Size (in.)	Thickness (in.)	Order No.	Regular Price	SALE
6 x 25	.008	MA5223170	54.35	31.00
6 x 25	.010	MA5223180	59.25	33.80
6 x 25	.012	MA5223200	61.15	34.90
6 x 25	.015	MA5223220	66.45	37.90
6 x 25	.020	MA5223240	77.30	44.10
6 x 25	.025	MA5223260	88.40	50.40
6 x 25	.032	MA5223280	97.90	55.85

Type - Blue Tempered Shim Stock Roll				
Size (in.)	Thickness (in.)	Order No.	Regular Price	SALE
3 x 50	.002	MA5223110	45.80	26.15
3 x 50	.003	MA5223120	48.10	27.45
5 x 50	.004	MA5223130	51.95	29.65
6 x 50	.005	MA5223145	45.80	26.15
6 x 50	.006	MA5223155	45.60	26.05
6 x 50	.007	MA5223165	46.50	26.55

MT970

GENERAL Wet / Dry Video Scopes

- Standard probes are 1m long
- Monitors include 3.5" (89mm) diagonally color LCD with 320 x 240 pixel resolution
- Video shown on monitor can be inverted 180°
- IP67 rating eliminates concerns about accidentally dropping or dunking grip or monitor into water, makes it possible to inspect sewer and water lines carrying running water
- Grip, probe, and monitor are guaranteed leakproof to depth of 1m



DCS600A

DCS660A

Description	Order No.	Regular Price	SALE
Non-recording with 8mm probe	NB49DCS600A	189.00	168.00
Recording with 8mm probe	NB49DCS660A	299.00	199.20

MT1421

Prices Effective April 1, 2018 Thru June 30, 2018

MEASURING TOOLS

MAG-MATE® Read Rite™ Inspection Mirror

- Allows the user to see a non-inverted image in difficult viewing locations
- The Read Rite™ mirror shows the numbers as they would be if they were visually accessible with the eye thereby virtually eliminating deciphering and transcription errors
- Stainless steel mirror-no glass to break
- Telescoping hex rod shaft prevents mirror from swinging while in use
- Double ball hinge with adjustable tension, 360° rotation
- Dual sided- has Read Rite™ mirror on one side, regular inspection mirror on the other
- Non-slip and solvent resistant
- Mirror measures 3-1/2 x 2"
- Extendable handle reaches 15-1/2 to 28-1/2"



Order No.	Regular Price	SALE
NE70390SS	23.85	16.15

MT1244

PRO-CHECK® Aspheric Magnifier

- Aspheric lenses give a clear non-distorted image across the diameter of the lens
- 1" Diameter 5X & 10X magnification
- Folds neatly into case



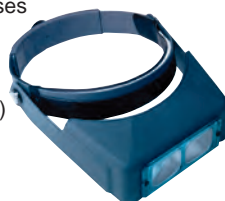
Order No.	Regular Price	SALE
KA53V341D	14.50	8.30

MT1155

Opti-Visor – Magnification plus Comfort

2.5X Power

- 8" Focal length
- Optically correct precision glass prismatic lenses
- Genuine leather comfort band
- Unique dial adjustment fits anyone
- Wear over regular or safety glasses
- Tilts upward when not in use (no tunnel vision)
- **Note:** Opti-Loupe is also available and easily attaches to any Opti-Visor lens plate-adds extra power - for monocular use only - Order No. JZ50LP1



MADE IN THE USA

Order No.	Regular Price	SALE
JZ50DA5	61.18	48.00

MT898

PRO-CHECK® Universal Articulating Arm Magnetic Base

- Articulating arm adjusts to multiple configurations
- 85 lbs pull magnetic base
- V-slot base for rounded work



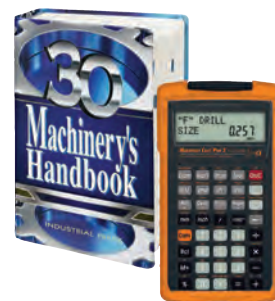
Order No.	Regular Price	SALE
PC21MBAA85LB	71.50	49.80

MT1262

Machinery's Handbook & Calc Pro 2 Combos

30th Edition

The Machinery's Handbook along with a Calc Pro 2



Calculator Features:

- Materials function: users can choose from 20 popular materials
- Processes: face milling, end milling, slot milling, turning, boring, drilling
- Speeds and feeds
- Work in and convert between US and metric units

Description	Order No.	Regular Price	SALE
30th Ed. Large Print Handbook 7 x 10" & Calc Combo	MY5036109	179.95	155.25
30th Ed. Toolbox Handbook 4.6 x 7" & Calc Combo	MY5036093	159.95	138.00

MT1412

Fastener Black Books

- Technical fastener resource consolidating the abundance of fastener information into an easy-to-read user friendly format
- Pages are durable, tear resistant and glare-free
- Pages can be easily wiped clean, so this reference book is perfect for shop environments
- Great tool for engineers, apprentices, trainees, tradesmen, machinists, machine shops, tool rooms, technical colleges, fabricators, sheet metal workers, etc.



FBBINCH



FBBUSA

Description	Order No.	Regular Price	SALE
Inch Size Only	MY55FBBINCH	28.00	24.20
Inch/Metric	MY55FBBUSA	28.00	24.20

MT1414

PRO-CHECK® LED Lighted 10X Optical Comparator - Multi Scale Lens

- 8 LED ring illumination
- Multiple read reticule included*
- Knurled focus ring with cover
- Storage case included
- Supplied with (4) AG9 button type batteries

*Multi read reticule includes the following scales and templates:

- 0-90° angle and 0.01 to 10mm radius
- 10mm-0-10mm center scale
- 1/2" by 1/10th and 1/8" by 1/64th scales
- 0.1 to 1.0mm, .005" to .050" and 1/64th to 1/16th diameter templates
- 29°, 55°, 60° and 118° included angle



Order No.	Regular Price	SALE
PC22L10XLED	102.45	71.35

MT1241

MEASURING TOOLS

Empire Machinist & Carpenter Squares

6" Pocket Square

- 6" Etched blade with inch grads
- Accuracy, square to .001" per inch
- True Blue®



12" Combination Square

- 12" Steel blade with inch graduations
- Machined square head with hardened scriber



16" Heavy-Duty Professional

- 16" Etched blade with inch grads
- Accuracy, square to .001" per inch
- True Blue®



Heavy-Duty MAGNUM™ Rafter Square

- Solid extruded aluminum will not bend, rust, or corrode
- Stamped conversion tables



Size	Type	Order No.	Regular Price	SALE
6	2 Piece Pocket Square Set	KP75255	10.45	9.05
12	2 Piece Combination Square Set	KP75230	10.45	9.05
16	2 Piece Carpenter's Square Set	KP75280	18.10	15.70
-	Rafter Square	KP752990	7.70	6.70

MT1060

PRO-CHECK 12" Combination Square Sets

Sets consist of:

- 2 Pc. set: 12" blade, square head only
- 3 Pc. set: 12" blade, square head and center head
- 4 Pc. set: 12" blade, square head, center head and protractor head
- All sets supplied with 12" combination square blade, graduated in 8ths, 16ths, 32nds and 64ths



Description	Order No.	Regular Price	SALE
2 Pcs.	NB60CS122	21.30	19.20
3 Pcs.	NB60CS123	26.85	24.45
4 Pcs.	NB60CS124	49.00	43.45

MT1042

PRO-CHECK Ultra Thin Style Steel Parallels

- 20 Pair set
- Hardened to 50RC
- Parallelism .0001"
- Height .001" accuracy
- Includes fitted case
- 1/32" Thick
- Range of sizes include 1/2" thru 1-11/16" in 1/16" increments



Order No.	Regular Price	SALE
NM55UTPS20	79.05	21.50

MT1092

Starrett Automatic Center Punch Model 18C

- Built-in mechanism strikes blow - no hammer needed
- Force regulated by turning knurled cap on end of punch
- Constant spring tension assures uniform depth and size of center marking
- 5-1/4"L x 11/16"D



Order No.	Regular Price	SALE
MV7056757	51.00	47.85

MT1133

Starrett Aluminum Straight Edge Rules

- English measure
- Flexible anodized aluminum
- 2" Width
- 1/8" & 1/16" Graduation



Length (in.)	Thickness (in.)	Model No.	Order No.	Regular Price	SALE
24	.081	ASE24	MV8036090	6.40	4.55
36	.081	ASE36	MV8036091	8.25	5.85

MT737

PRO-CHECK Multi-Use Rule and Gage

- Drill point gage, bevel protractor, center finder, circle divider and a tap and drill table in one tool
- Heavy-duty stainless steel
- Etched graduations in 64ths and millimeters



Order No.	Regular Price	SALE
NE60DPG1	9.95	4.65

MT1303

Lufkin Control Series Tape Measures

- The Drag Strip™ access opening on the bottom of the tape allows users to regulate blade feed and return with their fingertip for greater control
- Rigid extra wide blade provides 10' of standout
- Wide end hook holds better and makes marking easier
- D-ring for tether strap or easy hanging storage
- Durable molded case allows for added control and grip



Size	Type	Order No.	Regular Price	SALE
3/4 x 16'	English	MZ50CS8516	13.05	10.35
1-3/16 x 25'	English	MZ50CS8525	18.75	14.85
1-3/16 x 26' (8M)	Metric/English	MZ50CS8525CME	18.75	14.85

MT1222

Starrett Exact® Plus Tape Measures

- Graduated in 16ths
- Wider blade providing a 9' standout
- Nylon coated blade provides 6X abrasion resistance
- PC-ABS plastic case and heavy overmolding
- Positive lock holds blade firmly in place
- Black anodized steel belt clip



Size	Model No.	Order No.	Regular Price	SALE
1.06" x 16'	KTXP106-16N	MV8030636	16.30	11.55
1.06" x 25'	KTXP106-25N	MV8030638	22.50	15.95
1.06" x 30'	KTXP106-30N	MV8030641	26.85	19.05
1.06" x 35'	KTXP106-35N	MV8030645	30.30	21.45

MT1220

Prices Effective April 1, 2018 Thru June 30, 2018

MATERIAL HANDLING



Industrial Chests & Cabinets

- Industrial use / industrial capacity
- Full-extension ball-bearing drawer slides support up to 125 lbs.
- Durable handles for easy lifting (chests)
- Sturdy tubular handle (roller cabinets)
- Standard casters 5" x 2"
- Internal keyed locking system
- Non-slip drawer liners included
- 7 Year limited warranty



Type - Roller Cabinet												
No. of Drawers	Width (in.)	Depth (in.)	Height (in.)	Load Capacity	Color	Drawer Liner	Material	Locking System	Weight	Order No.	Regular Price	SALE
11	41	18	37.5	700 lbs	Black	Yes	Steel	Keyed Internal Lock Bar	225 lbs	RX61WCA4111BK	1121.77	854.70
11	41	18	37.5	700 lbs	Red	Yes	Steel	Keyed Internal Lock Bar	225 lbs	RX61WCA4111RD	1121.77	854.70

Type - Tool Chest													
No. of Drawers	Width (in.)	Depth (in.)	Height (in.)	Load Capacity	Color	Drawer Liner	Material	Lid Support	Locking System	Weight	Order No.	Regular Price	SALE
8	41	16	20	450 lbs	Black	Yes	Steel	Yes	Keyed Internal Lock Bar	146 lbs	RX61WCH418BK	709.05	540.25
8	41	16	20	450 lbs	Red	Yes	Steel	Yes	Keyed Internal Lock Bar	143 lbs	RX61WCH418RD	709.05	540.25

Ships by common carrier

MH452

Economy Shelf Bins

for 12", 18" Deep Shelving or Automated Storage & Retrieval Units

- Molded industrial grade polymers for years of service
- Special built-in hanglock allows easy access to the entire bin
- Wide label holder molded in
- UPS dimensional weight shipping rates apply



Outside Dimensions (in.)	Inside Dimensions (in.)	Carton Qty.	Blue			Red			Yellow		
			Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
11-5/8 x 2-3/4 x 4	10-1/4 x 1-5/8 x 4	24	SD5030110B	2.15	1.40	SD5030110R	2.15	1.40	SD5030110Y	2.15	1.40
11-5/8 x 4-1/8 x 4	10-1/4 x 3 x 4	24	SD5030120B	2.45	1.60	SD5030120R	2.45	1.60	SD5030120Y	2.45	1.60
11-5/8 x 6-5/8 x 4	10-1/4 x 5-1/2 x 4	12	SD5030130B	3.75	2.45	SD5030130R	3.75	2.45	SD5030130Y	3.75	2.45
17-7/8 x 6-5/8 x 4	16-1/2 x 5-1/2 x 4	12	SD5030138B	4.65	3.00	SD5030138R	4.65	3.00	SD5030138Y	4.65	3.00
17-7/8 x 8-3/8 x 4	16-1/2 x 7-1/8 x 4	12	SD5030158B	6.35	4.15	SD5030158R	6.35	4.15	SD5030158Y	6.35	4.15

MH337

LiftAll Tuff Edge® Polyester Web Slings

- Abrasion and cut resistant blue polymer edges
- Silver body yarn treatment to resist abrasion
- Proven sling web construction with red core warning yarns
- Tuff-Tag provides legible identification for the life of the sling
- 2-Ply material



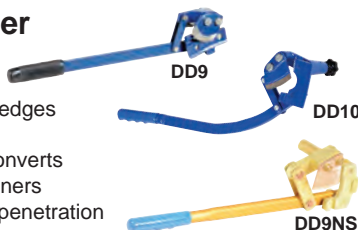
Sling Width (in.)	Style - Type 3 - Two Ply Flat Eye											
	6'			8'			10'			12'		
Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	
1	-	-	SE82EE2801T8	27.65	17.95	SE82EE2801T10	32.10	20.85	SE82EE2801T12	36.55	23.75	
2	-	-	SE82EE2802T8	43.95	28.55	SE82EE2802T10	52.00	33.80	SE82EE2802T12	60.00	39.00	
3	SE82EE2803T6	56.80	36.90	SE82EE2803T8	69.80	45.35	SE82EE2803T10	82.75	53.80	SE82EE2803T12	95.75	62.25
4	SE82EE2804T6	76.50	49.75	SE82EE2804T8	93.30	60.65	SE82EE2804T10	110.15	71.60	SE82EE2804T12	126.95	82.50

Sling Width (in.)	Style - Type 4 - Two Ply Twisted Eye														
	3'			4'			6'			8'			10'		
Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	
1	SE83EE2801T3	16.55	10.75	SE83EE2801T4	18.80	12.20	SE83EE2801T6	23.25	15.10	SE83EE2801T8	27.65	17.95	SE83EE2801T10	32.10	20.85
2	SE83EE2802T3	23.90	15.55	SE83EE2802T4	27.90	18.15	SE83EE2802T6	35.95	23.35	SE83EE2802T8	43.95	28.55	SE83EE2802T10	52.00	33.80

MH460

Vestil Drum Deheader

- Adjustable design works with different types of steel drums
- Beveled blade prevents sharp edges on drum
- Rugged construction quickly converts steel drums into storage containers
- Angled blade offers maximum penetration



Size (in.)	Material	Style	Order No.	Regular Price	SALE
4.5 x 18 x 5.5	Steel	Standard	RV54DD9	78.20	70.40
21 x 6.5 x 5.25	Steel	Extra Leverage	RV54DD10	83.30	74.95
21 x 6 x 4	Bronze	Non Sparking	RV54DD9NS	368.60	331.75

MH455

Huot ToolScoot™ Carts

- Durable nylon inserts to help prevent tool damage
- Two end storage trays with universal mounting holes for tool lock
- Solid, interlocking side panel construction adds strength and stability
- Heavy duty 5 x 1-1/4" casters load rated at 1000 lbs
- Angled lower tray for easy, quick tool access from either side
- All steel painted with durable Ecolo-Clad in red and black
- UPS dimensional weight shipping rates apply



Tool Capacity	Weight	Order No.	Regular Price	SALE
48-30 Taper CNC Tooling	75 lbs	AP5330HU	556.50	473.00
48-40 Taper CNC Tooling	75 lbs	AP5340HU	501.90	426.60
36-50 Taper CNC Tooling	75 lbs	AP5350HU	576.00	460.80
48-HSK63A Tooling	79 lbs	AP5313970	551.25	468.55
36-HSK100A Tooling	79 lbs	AP5313980	551.25	468.55

MH474



Prices Effective April 1, 2018 Thru June 30, 2018

MATERIAL HANDLING

PRM PRO Shop Stool with Cushion Seat

- Vinyl black padded seat swivels 360°
- Chrome plated legs
- Seat diameter 13.7"
- Great for shop, warehouse, office, etc.
- Limited lifetime warranty against manufacturer defects



MH476

PRM PRO Heavy Duty Stool

- Round foot rest
- Cushioned seat with round foot rest
- Stool capacity 300 lbs.
- Air-cylinder adjustable seat
- Powder coated paint
- Ships UPS



MH494

Approx. Seat Height (in.)	Order No.	Regular Price	SALE
26" to 31"	RZ451010	60.00	45.00

*5" is an estimate of height differential

Rubbermaid Commercial Products Heavy Duty Two Shelf Utility Carts

- Deep shelves securely hold contents
- Sturdy, structural foam construction
- Lightweight & maneuverable, includes 5" diameter, non-marking casters (two fixed & two swivel)
- Color: black
- Capacity: 500 lbs.
- UPS dimensional weight shipping rates may apply



Overall Size (in.)	Shelf Size (in.)	Order No.	Regular Price	SALE
39-1/4 x 17-7/8 x 33-1/4	16 x 30	RZ554500	368.60	294.90
45-1/4 x 25-7/8 x 37-1/8	24 x 36	RZ554520	418.70	334.95

MH360

PRM PRO Foreman's Closed Style Desk

MADE IN THE USA

- 14 Gauge corner posts and heavy steel construction assures long life
- Large storage area with 3-point locking system boasts two shelves for storing tools and other supplies
- Compartmentalized riser is perfect for storing writing utensils, forms and papers
- Drawer and cabinet come with individual locks and keys
- Large sloping surface leaves plenty of room for paperwork and supplies
- Assembly required



Color	Width (in.)	Depth (in.)	Height (in.)	Weight	Order No.	Regular Price	SALE
Gray	34-1/2	29	53	155 lbs	RV8266055	834.00	463.20

Ships by common carrier

MH417

EXXO Rotary Barrel Hand Pumps

Chemical-Based Hand Pump 7118

- Corrosion resistant
- Used with petroleum products, water & water-based chemicals, anti-freeze, mild acids, and alkali solutions
- Pump body made from glass filled polypropylene with Ryton veins, seals made from viton rubber and all hardware is stainless steel
- Includes: 3 Pc. (45" long) suction tubes & choice of 2" bung adapters
- Fits 15 -55 gallon units

Oil-Based Hand Pump 7119

- For dispensing oil-based fluids
- Fits 15 - 55 gallon units
- Pump body & veins made of polypropylene
- Includes: pump, strainer filter, suction tube & 2" bung adapter



MH335

Type	Order No.	Regular Price	SALE
Oil-Based Hand Pump	HY507119	56.10	36.45
Chemical-Based Hand Pump	HY507118	89.15	57.95

PRM PRO Swivel Tractor Seat

- Air cylinder for easy height adjustment
- Five 3-1/2" heavy duty, chrome finished casters with rubber tread for ease of mobility
- Large, reinforced 17" diameter 1" deep tool tray
- Seat width 16"
- Limited lifetime warranty against manufacturer defects



MH475

Approx. Seat Height	Order No.	Regular Price	SALE
18 to 22"	RZ454000	127.50	82.90

PRM PRO Cargo Tool Bags with Zip Closure

- Top opening reinforced with metal
- Pop open design, 4 exterior pockets, 2 side strapping for levels, 8 interior pockets and large compartment for tools and parts
- Padded handle and shoulder strap made from heavy duty water repellent polyester



Length (in.)	Width (in.)	Height (in.)	Order No.	Regular Price	SALE
18	9	11	LC707697	33.15	21.55
24	9	12	LC707699	37.00	24.00

MH470

STEELMAN Roll Around Jacks

- Wide stance and low center of gravity provide optimum stability under load stress
- Heavy gauge steel, sturdy frame
- Handle actuated release valve provides precise metered control of lowering speed
- Foot pedal operation provides quick no load lifts to load point
- Largest saddle in this category by ANSI Standard



MH466

Capacity	Order No.	Regular Price	SALE
3-1/2 Ton	KE53647530	353.25	264.95
5 Ton	KE53647509	1174.50	880.90
10 Ton	KE53647510	1739.25	1304.45

NATIONAL Parts Washers

- Designed for use in shops ranging from mechanic's garage to heavy industry
- Features a 115V fully enclosed pump, seamless construction
- 20 Gallon tank dimensions: 29-7/8" x 20-3/4" x 10-51/64"
- Pump output through hose, 50 GPH
- 1991020 shown



Capacity	Order No.	Regular Price	SALE
3.5 Gallons (Portable Style)	NW551991035	92.00	59.80
20 Gallons (Heavy Duty Style)	NW551991020	168.00	109.20

UPS dimensional weight shipping rates apply

M505

Prices Effective April 1, 2018 Thru June 30, 2018

SPECIAL FEATURE



Ball End Hex Key Sets

Fractional or Metric

- Ball end can tighten or loosen screws at angles up to 25°



MADE IN THE USA



No. of Pieces	Sizes Included	Model No.	Order No.	Regular Price	SALE
9	1.5, 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 8.0, 10.0mm	J4996	KP4227020	16.40	12.30
13	.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	J4995	KP4227025	21.63	16.20

HT2114

Aligning Pry Bars

MADE IN THE USA

- Application: for prying, positioning, and aligning applications
- Black oxide finish to help prevent rust corrosion; extending tool life and performance



Length (in.)	Shank Width (in.)	Model No.	Order No.	Regular Price	SALE
16	1/2	J2116	KP4260650	18.66	13.95
18	5/8	J2120	KP4260655	25.99	19.45
24	3/4	J2124	KP4260660	34.59	25.90
30	3/4	J2125	KP4260665	58.67	44.00

HT2111

Pin Punches

- Two-piece design allows the tip to be hard for durability, while allowing it to be produced straight to help prevent binding
- Reverse taper to help prevent binding
- Made from S2 steel and heat-treated
- Modified parabolic striking end to help reduce mushrooming and chipping
- Black oxide finish
- A polished identification on flats marked with the tool number

MADE IN THE USA



Tip Dia. (in.)	Blade Length (in.)	OAL (in.)	Shank (in.)	Model No.	Order No.	Regular Price	SALE
1/16	3/4	4-3/8	1/4	J471/4X1/16	KP4260300	6.10	4.55
3/32	1-5/16	4-3/4	1/4	J471/4X3/32	KP4260305	6.36	4.75
1/8	1-3/16	5-3/16	5/16	J475/16X1/8	KP4260315	6.51	4.85
5/32	1-7/16	5-9/16	5/16	J475/16X5/32	KP4260320	7.55	5.65
3/16	1-5/8	5-7/8	3/8	J473/8X3/16	KP4260310	6.57	4.90
7/32	1-7/8	6-3/8	3/8	J477/16X7/32	KP4260325	9.45	7.05
1/4	2-1/8	6-3/4	3/8	J471/2X1/4	KP4260295	9.48	7.10
Set	-	-	-	J47A	KP4281160	54.29	40.70

HT2108

Pear Head Ratchets



- Robust 24 tooth design with 15° arc swing
- Tool steel drive gear for strength and durability
- Low profile head for access in constricted areas
- Reversing lever design for quick, one handed operation
- Knurled slip-resistant grip

Drive (in.)	OAL (in.)	Model No.	Order No.	Regular Price
1/4	5	J4749BL	KP4240140	28.72
3/8	7	J5249BL	KP4240145	39.64
3/8	11	J5250BL	KP4240120	47.58
1/2	10	J5449BL	KP4240150	61.17
1/2	16	J5450BL	KP4240155	66.05
3/4	20	J5649BL	KP4240160	131.05

Micrometer Torque Wrenches

- Calibrated to +/- 4% clockwise direction and +/- 6% counter clockwise at 20% to 100% of full scale
- Calibration is accomplished by manual loading the torque wrenches
- Manufactured to meet standard industrial torque applications, general industry, heavy equipment, and maintenance

Drive (in.)	Torque Range	Increments
3/8	16-80 ft/lbs	0.5 ft/lbs
3/8	20-100 ft/lbs	0.5 ft/lbs
1/2	16-80 ft/lbs	0.5 ft/lbs
1/2	30-150 ft/lbs	1 ft/lbs
1/2	50-250 ft/lbs	1 ft/lbs
3/4	60-300 ft/lbs	2 ft/lbs
3/4	120-600 ft/lbs	2 ft/lbs
1	140-700 ft/lbs	2 ft/lbs

Needle Nose Pliers

MADE IN THE USA

- Induction hardened cutting edges
- Diamond serrated jaws
- Plastisol grips for added comfort



Approx. Length (in.)	Model No.	Side Cutter	Order No.	Regular Price	SALE
5	J282G	No	KP4230215	19.09	14.30
6-1/2	J220G	No	KP4230190	24.04	18.00
6-1/2	J226G	Yes	KP4230217	25.44	19.10
7-1/2	J226-01G	Yes	KP4230220	30.04	22.50

HT2106

Large Handle Pry Bars

MADE IN THE USA

- Large four-sided handle for a better grip and added comfort



Approx. Length (in.)	Tip Width (in.)	Model No.	Order No.	Regular Price	SALE
14	5/8	J2140	KP4260685	22.01	16.50
18	5/8	J2142	KP4260680	27.75	20.80
28	3/4	J2146	KP4260675	36.95	27.70
32	3/4	J2148	KP4260670	47.23	35.40
36	5/8	J2150	KP4260690	86.17	64.65
42	5/8	J2152	KP4260695	89.88	67.40

HT2112

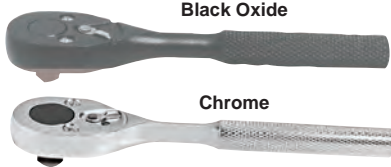


Prices Effective April 1, 2018 Thru June 30, 2018



SPECIAL FEATURE

SAVE 25%



Black Oxide

Chrome

MADE IN THE USA

Classic-Chrome				
SALE	Model No.	Order No.	Regular Price	SALE
21.50	J4749	KP4240105	30.24	22.65
29.70	J5249	KP4240110	41.73	31.25
35.65	J5250	KP4240115	50.08	37.55
45.85	J5449	KP4240125	64.39	48.25
49.50	J5450	KP4240130	69.53	52.10
98.25	J5649	KP4240135	137.95	103.45

HT2109



MADE IN THE USA



Model J6006C Shown

Model No.	Order No.	Regular Price	SALE
J6006C	KP4220845	221.64	166.20
J6012C	KP4220865	221.64	166.20
J6008C	KP4220860	233.19	174.90
J6016C	KP4220915	245.17	183.90
J6014C	KP4220840	273.69	205.25
J6018AB	KP4220830	733.69	550.25
J6020AB	KP4220835	1051.72	788.80
J6022B	KP4220825	1211.73	908.80

HT2115

PROTO 15 Pc Combination Wrench Set

12 Point • Satin Finish

- 12 Point box end allows for fine indexing, helping to improve speed and access
- Fits 4, 6 and 12 point fasteners
- Anti-Slip Design (ASD) † open end
- Box ends incorporate the TorquePlus™ system
- Satin finish



MADE IN THE USA

Sizes Included	Model No.	Order No.	Regular Price	SALE
5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1", 1-1/16, 1-1/8, 1-1/4"	J1200FASD	KP4213960	450.81	338.10

† Fractional sizes 11/32" and smaller do not have the ASD feature

HT2116

PROTO 10 Pc. 3/8 & 1/2" Drive Hex Bit Set

- Proto® bits are offered in a broad range to accommodate production assembly applications
- Made of alloy steel
- Polished chrome finish
- Set includes blow molded box



MADE IN THE USA

Set Includes	Model No.	Order No.	Regular Price	SALE
3/8" Drive: 1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8". 1/2" Drive: 1/2, 9/16, 5/8"	J4900A	KP4280695	139.67	104.75

HT2117

PROTO 8 Pc. Duratek™ Screwdriver Set

- Ergonomic quad-lobe handle
- Impact and chemical resistant four-sided handle design helps prevent "roll away"
- High-alloy steel shank and tip are heat-treated their entire length to help provide strength against twisting and bending.
- Shank fully grounded and chemically polished
- Screwdrivers meet ASME B107.15 standards



MADE IN THE USA

Set Includes	Model No.	Order No.	Regular Price	SALE
Slotted Cabinet : 3/16 x 3, 3/16 x 4, 3/16 x 5; Slotted Keystone: 1/4 x 4, 5/16 x 6; Phillips: #1 x 3, #2 x 4, #3 x 6	J1208SC	KP4250010	95.50	71.60

HT2110

PROTO Brass Hammers

- Mar-resistant soft brass head helps absorb impact and helps reduce work damage
- Spark-resistant for safe use near combustible materials
- Fiberglass handle with ergonomic, non-slip grip

MADE IN THE USA



Approx. Weight	OAL (in.)	Model No.	Order No.	Regular Price	SALE
1.5 lbs	13-1/2	J1430G	KP4255405	50.28	37.70
2.5 lbs	13-3/4	J1432G	KP4255415	89.14	66.85
3.5 lbs	14-3/4	J1431G	KP4255410	155.19	116.40

HT2113

PROTO Tongue & Groove Pliers

- Precision milled undercut groove joint provides interlocking feature for powerful non-slip performance
- Special fastener ensures permanent assembly, yet allows for easy adjustment
- Angled teeth provide superior gripping power over standard right angled teeth
- Plastisol grips for added comfort
- Natural finish

MADE IN THE USA



Approx. Length (in.)	Capacity (in.)	Jaw Length (in.)	Jaw Width (in.)	Model No.	Order No.	Regular Price	SALE
4-1/2	15/32	7/8	13/16	J261SG	KP4230145	18.03	13.50
7	1-1/8	1-3/8	1-3/4	J262SG	KP4230150	17.83	13.35
10	2-1/8	1-15/16	2-3/4	J260SG	KP4230165	22.98	17.20
12	2-5/8	2-1/4	2-3/4	J264SG	KP4230155	24.08	18.05
17	4-1/16	3-3/8	4-1/8	J265SG	KP4230160	36.74	27.55

HT2107

Prices Effective April 1, 2018 Thru June 30, 2018

HAND TOOLS

Dead Blow Hammers

- Use whenever danger of sparks or marring exists
- Steel shot-filled head combines with cushioned face to add extra force to hammer blows without rebound
- Steel handle encased in a high-impact, rubberized plastic to prevent marring
- Handle has a flanged end for more secure grip (except KY52 series)
- Lifetime warranty against manufacturing defect
- Hi-vis in KP85 & KP30 series
- JH Williams USA made



TEKTON

Snap-on
INDUSTRIAL BRANDS

WILLIAMS MADE IN THE USA

Approx. Weight	Approx. Head Dia. (in.)	Approx. OAL Length (in.)	Quality Import			TEKTON			Williams		
			Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
10 oz	1	10	KY52CH0	13.35	8.70	-	-	-	-	-	-
16 oz	1-1/2	10	KY52CH1	17.70	11.50	KP8530703	13.95	9.05	KP30JHW16	32.47	25.95
24 oz	1-3/4	12	-	-	-	KP8530704	15.20	9.90	KP30JHW24	37.33	29.85
28 oz	2	12-1/2	KY52CH3	24.85	16.15	-	-	-	-	-	-
48 oz	2-5/8	11-1/2	KY52CH5	33.35	21.70	KP8530706	21.15	13.75	KP30JHW48	57.81	46.25
32 oz	2	11-1/2	-	-	-	KP8530705	16.55	10.75	KP30JHW32	43.58	34.85
56 oz	2-1/2	16	-	-	-	-	-	-	KP30JHW56	78.12	62.50
64 oz	2-5/8	11-1/2	-	-	-	KP8530707	24.75	16.10	-	-	-

HT919



Copper Hammers with Fiberglass Handle

MADE IN THE USA

- 99.9% Pure copper
- Fiberglass handles
- Non-sparking, non-magnetic



Approx. Weight	Approx. Head Dia. (in.)	Approx. Handle Length (in.)	Order No.	Regular Price	SALE
.50 lbs	.88	11	KY5110005	61.29	39.05
1 lbs	1	12	KY5110010	74.52	47.45
1.5 lbs	1-1/4	12	KY5110015	88.56	56.40
2 lbs	1-1/4	13	KY5110020	103.41	65.85
3 lbs	1-1/2	15	KY5110025	134.73	85.80
4 lbs	1-3/4	15	KY5110030	165.78	105.60
5 lbs	1-3/4	15	KY5110035	196.83	125.40
10 lbs	2	21	KY5110040	410.40	261.45

HT1118

CAMILLUS 6-3/4" Carbonitride Titanium Pristine™ Folding Knife

- Features a G10, stainless handle and VG-10 Japanese steel blade
- Carbonitride titanium won't flake, blister, chip or peel and is up to 10x harder than treated steel so the blades stay sharper, longer
- 3" Drop point blade
- Lifetime warranty



OAL (in.)	Blade Length (in.)	Order No.	Regular Price	SALE
6-3/4	3	LA5718671	57.45	43.10

HT017

CAMILLUS 6-1/2" Carbonitride Titanium Marlin Spike Folding Knife

- G10 Handle, Marlin Spike and VG-10 Japanese steel
- Carbonitride titanium won't flake, blister, chip or peel and is up to 10x harder than untreated steel so the blades stay sharper, longer
- 2.75" Drop point blade
- Locking blade and spike
- Lifetime warranty



OAL (in.)	Blade Length (in.)	Order No.	Regular Price	SALE
6-1/2	2-3/4	LA5718670	46.80	35.10

HT054

GENERAL 5 Pc. Center Punch Set

- Points are ground to size for maximum strength and penetration
- Stamped with size for quick identification
- Knurled body



HT1080

Order No.	Regular Price	SALE
NE50SPC74	20.80	15.60



Line-Up Pry Bar

MADE IN THE USA

- Long, tapered end for aligning and adjusting metal or wood
- Angled chisel end for extra leverage when prying
- Variety of lengths for work in hard-to-reach spots and more leverage
- Black oxide finish for additional rust protection



Stock Size (in.)	Length (in.)	Order No.	Regular Price	SALE
1/2	14	KS50468	14.60	10.95
5/8	16	KS50469	17.90	13.40
3/4	20	KS50471	23.20	17.40
3/4	24	KS50472	25.65	19.25
7/8	30	KS50473	33.15	24.85

HT030

SPELLMACO Transfer Punch Set with Indexed Stand

- 28 Punch set consists of:
 - (1) each of punch sizes 3/32" thru 1/2" x 64ths plus 17/32"

MADE IN THE USA



Order No.	Regular Price	SALE
KH50317	72.10	61.30

HT1027



Prices Effective April 1, 2018 Thru June 30, 2018

HAND TOOLS

PRM PRO Insert Bits

- S2 modified steel with a Rockwell hardness between 58-62 HRC
- 1/4" Drive with exact fit machined tips
- Lifetime warranty against mfg defect



Torx® Size	OAL (in.)	Order No.	Regular Price	SALE
T5	1	KN7020000	1.35	1.00
T6	1	KN7020005	1.35	1.00
T7	1	KN7020010	1.10	0.85
T8	1	KN7020015	1.10	0.85
T9	1	KN7020020	1.10	0.85
T10	1	KN7020025	1.05	0.75
T15	1	KN7020030	1.05	0.75
T20	1	KN7020035	1.05	0.75
T25	1	KN7020040	1.05	0.75
T27	1	KN7020045	1.05	0.75
T30	1	KN7020050	1.05	0.75
T40	1	KN7020055	1.05	0.75

Torx® is a registered trademark of Acument Global Technologies.

HT168

PRM PRO 2" & 3-1/2" Torx® Power Bits

- S2 modified steel with a Rockwell hardness between 58-62 HRC
- 1/4" Drive with exact fit machined tips
- Lifetime warranty against mfg defects



Torx® Size	2			3-1/2		
	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
T5	KN7020100	1.55	1.15	-	-	-
T6	KN7020105	1.55	1.15	KN7020160	1.95	1.45
T7	KN7020110	1.55	1.15	KN7020165	1.95	1.45
T8	KN7020115	1.35	1.00	KN7020170	1.95	1.45
T9	KN7020120	1.35	1.00	KN7020175	1.95	1.45
T10	KN7020125	1.35	1.00	KN7020180	1.80	1.35
T15	KN7020130	1.35	1.00	KN7020185	1.80	1.35
T20	KN7020135	1.35	1.00	KN7020190	1.80	1.35
T25	KN7020140	1.40	1.05	KN7020195	1.80	1.35
T27	KN7020145	1.35	1.00	-	-	-
T30	KN7020150	1.35	1.00	KN7020200	1.80	1.35
T40	KN7020155	1.35	1.00	-	-	-

HT178

LANG Snap Ring Plier Kits

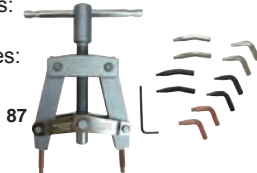
MADE IN THE USA

QuickSwitch Snap-Ring Pliers Kit

- Internal sizes: 1/8" - 4" (3mm-102mm)
- External sizes: 1/4" - 4" (7mm-102mm)

Snap-Ring Plier with Automatic Lock

- For extra large retaining rings
- Internal sizes: 3-1/2" - 7"
- External sizes: 3-1/2" - 7"



1465

Type	Set Includes	Order No.	Regular Price	SALE
Snap Ring Plier Kit	1/8 - 4" Internal; 1/4 - 4" External Capacity	KL401465	126.75	101.40
Snap Ring Plier Kit with Automatic Lock	3-1/2 - 7" Internal; 3-1/2 - 7" External Capacity with Tips	KL4087	107.10	85.70

HT818

APEX Torx® Bits

MADE IN THE USA



Point Size	Drive Size	OAL (in.)	Apex #	Order No.	Regular Price	SALE
T-6	1/4	1	440-TX-06X	KW7060170	3.95	2.95
T-7	1/4	1	440-TX-07X	KW7060175	3.95	3.15
T-8	1/4	1	440-TX-08X	KW7060180	3.95	3.15
T-9	1/4	1	440-TX-09X	KW7060185	3.95	3.15
T-10	1/4	1	440-TX-10X	KW7060190	3.70	2.95
T-15	1/4	1	440-TX-15X	KW7060195	3.70	2.95
T-20	1/4	1	440-TX-20X	KW7060200	3.70	2.95
T-25	1/4	1	440-TX-25X	KW7060205	3.70	2.95
T-27	1/4	1	440-TX-27X	KW7060210	3.70	2.95
T-30	1/4	1	440-TX-30X	KW7060215	3.70	2.95
T-40	1/4	1	440-TX-40X	KW7060220	3.70	2.95
T-45	1/4	1-1/4	440-TX-45X	KW7060225	6.00	4.50
T-50	1/4	1-1/4	440-TX-50X	KW7060230	6.55	4.90
T-27	5/16	1-1/4	480-TX-27X	KW7060235	4.80	3.60
T-30	5/16	1-1/4	480-TX-30X	KW7060240	4.80	3.85
T-40	5/16	1-1/4	480-TX-40X	KW7060245	4.80	3.85
T-45	5/16	1-1/4	480-TX-45X	KW7060250	5.40	4.30
T-50	5/16	1-1/4	480-TX-50X	KW7060255	5.40	4.30
T-55	5/16	1-1/4	480-TX-55X	KW7060260	5.40	4.05

HT2101

wiha TORX® Drivers & Keys

Tools that work for you

- Exact fit precision machined torx tips
- Through hardened for best wear resistance
- Blades of Wiha-exclusive CRM-72 tool steel
- Hard chromed finish for corrosion resistance
- Guaranteed quality - Made in Germany



36291



37090



36699

Type - Flag Handle Torx® Set				
No. of Pieces	Set Includes	Order No.	Regular Price	SALE
7	T6, T7, T8, T9, T10, T15, T20	KN5437090	22.00	16.50

Type - Long Arm Torx® L-Key Set				
No. of Pieces	Set Includes	Order No.	Regular Price	SALE
13	T5, T6, T7, T8, T9, T10, T15, T20, T25, T27, T30, T40, T50	KN5436699	48.20	36.15

Type - Torx® Cushion Screwdriver Set				
No. of Pieces	Set Includes	Order No.	Regular Price	SALE
6	T6, T7, T8, T9, T10, T15	KN5436291	34.80	26.10
8	T6, T8, T10, T15, T20, T25, T27, T30	KN5436294	57.60	43.20

HT763

APEX Hex Drive Magnetic Nut Setters

- Proprietary steel and heat treat process yields greater strength and longer bit life
- Cutting-edge machining process results in tighter tolerances and superior Product consistency
- Better and more consistent fit to fasteners resulting to better torque transfer



MADE IN THE USA

Point Size	Drive Size	OAL (in.)	Style	Apex #	Order No.	Regular Price	SALE
3/16	1/4	3	6 Point	M6N-0806-3	KW7061015	28.20	21.15
1/4"	1/4	2	6 Point	M6N-0808-2	KW7061020	27.10	20.35
1/4"	1/4	3	6 Point	M6N-0808-3	KW7061025	29.30	22.00
5/16	1/4	3	6 Point	M6N-0810-3	KW7061030	30.60	22.95
5/16	1/4	6	6 Point	M6N-0810-6	KW7061035	37.20	29.75
3/8"	1/4	3	6 Point	M6N-0812-3	KW7061040	33.70	26.95
3/8"	1/4	6	6 Point	M6N-0812-6	KW7061045	40.30	30.20
7/16"	1/4	3	6 Point	M6N-0814-3	KW7061050	35.90	28.70
1/2"	1/4	3	6 Point	M6N-0816-3	KW7061055	38.10	30.50

HT2084

Prices Effective April 1, 2018 Thru June 30, 2018

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HAND TOOLS

TEKTON Torx Screwdrivers

MADE IN THE USA

NEW



- Unique three-sided handle combines maximum power with smooth speed
- Premium alloy steel blade has a precisely sized tip for an exact fit in fasteners
- Protective black oxide finish can't flake off like plated finishes
- Size marking on butt end is easy to identify in tool belt or drawer

Size	Blade Length	Overall Length	Order No.	Regular Price	SALE
T10	4	8.75	KP8526801	6.15	4.00
T15	4	8.75	KP8526802	6.15	4.00
T20	4	8.75	KP8526803	6.15	4.00
T25	4	8.75	KP8526804	6.15	4.00
T27	4	8.75	KP8526805	6.55	4.25
T30	4	8.75	KP8526806	6.55	4.25
6 Pc. Set	4	-	KP8526905	31.90	20.75

HT2102

TEKTON Long Reach Hose Ring Pliers

- Round jaws grasp hose ends for easy removal or installation
- Cross-cut teeth grip evenly for twisting, pulling, and pushing
- Long handles reach deep into tight spaces
- Slim, non-slip grips are comfortable and easy to handle
- Made from high-strength chrome vanadium steel



Approx. OAL (in.)	Order No.	Regular Price	SALE
10-1/2	KP8534435	13.60	8.85

HT2054

Snap-on INDUSTRIAL BRANDS WILLIAMS Adjustable Spanner Wrenches — Hook & Pin

MADE IN THE USA

- Ideal for adjusting collars, lock nut rings, and bearings
- Specifically engineered to hold up under the most rigorous industrial use
- Industrial black finish, SAE
- Alloy steel



Type - Adjustable Hook Spanner Wrench						
Capacity Range For Dia. (in.)	Thickness (in.)	Depth (in.)	Approx. Length (in.)	Order No.	Regular Price	SALE
3/4 to 2	11/32	1/8	6-3/8	KP30471	34.03	27.20
1-1/4 to 3	13/32	5/32	8-1/8	KP30472	38.54	30.80
2 to 4-3/4	15/32	3/16	11-3/8	KP30474	53.82	43.05
4-1/2 to 6-1/4	15/32	1/4	12-1/8	KP30474A	56.95	45.55
6-1/8 to 8-3/4	15/32	5/16	13-3/4	KP30474B	68.75	55.00

Type - Adjustable Pin Spanner Wrench						
Capacity Range For Dia. (in.)	Thickness (in.)	Depth (in.)	Approx. Length (in.)	Order No.	Regular Price	SALE
3/4 to 2	11/32	1/8	6	KP300471	35.94	28.75
3/4 to 2	11/32	3/16	6-1/8	KP300471A	35.94	28.75
1-1/4 to 3	13/32	3/16	7-1/2	KP300472	40.63	32.50
1-1/4 to 3	13/32	1/4	7-1/2	KP300472A	40.63	32.50
2 to 4-3/4	15/32	1/4	10-1/2	KP300474	55.73	44.60
4-1/2 to 6-1/4	15/32	3/8	10-1/2	KP300474A	59.72	47.75

HT1062

CHAN NEL LOCK Oil Filter and PVC Pliers

- High carbon steel construction
- PermaLock fastener eliminates nut and bolt failure
- Right angle teeth help ensure a strong grip
- Channellock Blue® comfort grip handles



MADE IN THE USA

OAL (in.)	Capacity (in.)	Order No.	Regular Price	SALE
9	1-3/4 thru 3	LB50209	18.20	15.45
11-3/8	2-1/2 thru 3-3/4	LB502012†	25.60	21.75
12	2-1/2 thru 3-3/4	LB50212	25.15	21.40
15-1/2	2-1/2 thru 4-1/2	LB50215	30.15	25.65

† 30 Degree angled head

HT1127

GEARWRENCH® 2 Pc. PivotForce™ Compound Action Plier Set

- Unique compound design requires 40% less effort to cut
- Includes 8" Diagonal cutter and Long nose cutter
- Forged steel for superior strength and durability
- Induction hardened cutting edge for long life
- Lifetime warranty



Order No.	Regular Price	SALE
KP6582124	52.25	41.80

HT001

Snap-on INDUSTRIAL BRANDS CDI TORQUE PRODUCTS Micro-Adjustable Torque Screwdrivers

MADE IN THE USA

- Positive locking pull down adjustment knob
- Trilobular comfort grip
- Universal 1/4" hex bit holder with strong rare earth magnet
- Cam-over torque limiting clutch
- Easy-to-read window scale
- Lightweight ease-of-use
- Automatic lock in counterclockwise direction
- Accuracy +/- 6% clockwise direction, from 20-100% of full scale
- Individually serialized with matching certificate of calibration traceable to N.I.S.T.



Torque Range	Increments	Order No.	Regular Price	SALE
3 - 15 in/lbs	.2 in/lbs	KL45151SM	233.60	175.20
5 - 40 in/lbs	.5 in/lbs	KL45401SM	239.20	179.40
10 - 80 cNm	1 cNm	KL4561NSM	228.05	171.05
20 - 100 in/oz	1 in/oz	KL4561SM	228.05	171.05
40 - 200 cNm	2 cNm	KL45151NSM	233.60	175.20
50 - 450 cNm	5 cNm	KL45401NSM	239.20	179.40

HT1075

wiha "MagicRing" L-Key Ball End Drivers Screw Holding Hex Keys

- 9 Pc. Metric Set: 1.5, 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 8.0, 10.0mm
- 13 Pc. Inch Set: .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"



No. of Pieces	Style	Order No.	Regular Price	SALE
9	Metric	KN5466990	41.30	30.95
13	MagicRing-Fractional	KN5466991	51.80	38.85

HT832

Prices Effective April 1, 2018 Thru June 30, 2018

HAND TOOLS

Snap-on INDUSTRIAL BRANDS | **WILLIAMS** Ratchets

- Pear style operates as a 36-tooth action, with 4-1/2° arc swing
- Heat treated chrome plated vanadium steel
- Flex head features 180° swivel
- All ratchets are reversible
- Lifetime warranty



Made In - Global							
Drive (in.)	Approx. OAL (in.)	Head Type	Made In	Handle	Order No.	Regular Price	SALE
1/4	5-1/4	Narrow Pear	Global	Smooth	KP3030001	22.23	17.80
3/8	7-3/4	Narrow Pear	Global	Finger Fit	KP3031001	27.09	21.65
1/2	9-7/8	Narrow Pear	Global	Finger Fit	KP3032011	46.36	37.10
1/2	9-7/8	Narrow Pear	Global	Finger Fit	KP3032001	42.88	34.30

Made In - USA							
Drive (in.)	Approx. OAL (in.)	Head Type	Made In	Handle	Order No.	Regular Price	SALE
1/4	5-1/4	Narrow Head Design	USA	Smooth	KP30M52EHA	29.86	23.90
1/4	7	Flex Head	USA	Smooth	KP30M52EHFA	39.69	31.75
3/8	9-3/4	Narrow Pear	USA	Smooth	KP30B52EHFB	63.54	50.80
3/8	10-1/4	Narrow Head Design	USA	Smooth	KP30B52EHLA	47.22	37.75
1/2	10-1/4	Narrow Head Design	USA	Smooth	KP30S52EHA	60.07	48.05
1/2	14-1/4	Flex Head	USA	Smooth	KP30S52EHFA	81.60	65.25
1/2	15	Narrow Head Design	USA	Smooth	KP30SB52EHLA	53.99	43.20
3/4	20-1/8	Narrow Pear	USA	Smooth Comfort Grip	KP30H51B	148.61	118.90

HT864

4" Brick Chisel

- Used for scoring, cutting, and trimming brick or masonry
- Alloy steel for hardness and durability
- Precision ground cutting edge
- Rust preventative coating applied to steel for additional protection



Cut (in.)	Hex Stock (in.)	OAL (in.)	Order No.	Regular Price	SALE
4	7/8	9	SE7031307	9.95	6.45

Available while supplies last

HT2045

Ergo-Fold™ Hex Key Sets

- Fold up sets
- Standard or metric
- Ergonomic comfort grip
- Guaranteed forever

MADE IN THE USA



No. of Pieces	Set Includes	Order No.	Regular Price	SALE
6	5/32, 3/16, 7/32, 1/4, 5/16, 3/8	KM5025611	13.45	9.40
9	5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4	KM5025911	9.40	6.60
6	3, 4, 5, 6, 8, 10mm	KM5025161	13.45	9.40
7	1.5, 2, 2.5, 3, 4, 5, 6mm	KM5025171	8.10	5.65

HT344

6 Pc. Screwdriver Set

- Acetate handles highly impact resistant and exceptional solvent resistance
- High polished alloy steel blades that are heat treated for exceptional strength and durability
- Precision machined vapor blast tips

MADE IN THE USA



Set Includes	Finish	Order No.	Regular Price	SALE
#1 x 3, #2 x 4, #2 x 6 Phillips; 3/16 x 3, 1/4 x 4, 1/4 x 6 Slotted	Chrome	LB50SD6A	39.70	33.75

HT2042

wiha TORX® Drivers - T-Handle & Cushion Grip Screwdrivers

- Ergo molded on cushion grip for maximum torque - molded on handle for permanent bond
- Blades of Wiha exclusive CRM-72 tool steel
- Through hardened for maximum durability
- Precision machined exact fit TORX® tips
- Hard chromed surface finish for extreme wear



Style - Screwdriver			
Size	Order No.	Regular Price	SALE
T6	KN5436266	5.35	4.00
T7	KN5436268	5.20	3.90
T8	KN5436270	5.20	3.90
T9	KN5436272	5.80	4.35
T10	KN5436274	5.85	4.40
T15	KN5436276	6.30	4.70
T20	KN5436278	6.50	4.90
T25	KN5436280	7.70	5.80

Style - T-Handle			
Size	Order No.	Regular Price	SALE
T9	KN5436409	6.30	4.70
T10	KN5436410	6.45	4.85
T15	KN5436415	7.60	5.70
T15	KN5436417	7.75	5.80
T20	KN5436420	8.60	6.45
T20	KN5436422	8.60	6.45
T25	KN5436427	9.05	6.80

HT855

Snap-on INDUSTRIAL BRANDS | WILLIAMS Impact Socket Sets

Fractional & Metric

- SUPERTORQUE® lobular openings for greater turning power without deforming the fastener
- Designed for maximum engagement on 6 point fasteners
- Suitable for use with pneumatic and electric impact wrenches
- Specially heat treated for impact use to provide long life, safety and durability
- Drive-end features pin retention hole and groove



Drive	Set Includes (in.)	Order No.	Regular Price	SALE
3/8	Deep: 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4"	KP3036904	29.52	23.60
3/8	Deep: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm	KP3036908	37.85	30.25
3/8	Standard: 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4"	KP3036902	23.96	19.15
1/2	Standard: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27mm	KP3037912	72.57	58.05
1/2	Standard: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-1/4 & Clip Rail	KP3037904	78.12	62.50

HT753

Prices Effective April 1, 2018 Thru June 30, 2018

PLANT & SAFETY

3M 3M™ Aura™ Particulate Respirator 9210+, N95

- Designed to direct exhaled air away
- Comfortable braided headband
- Curved low profile design allows more room for eyewear
- Soft inner materials
- Adjustable nose clip
- Innovative chin tab designed for ease of positioning, donning & adjustment
- Min. 20 per box



Order No.	Regular Price	SALE
KB3537192	1.80	1.40

PS011

Honeywell Hard Hats Cap & Brim Style

- Smooth crown design contains an advanced suspension with eight load bearing points to stabilize and balance the hard hat
- Full brim adds an extra margin of protection from hazardous sun rays and hazardous substances falling

E2RW2



E1RW1



Suspension	Color	Style	Order No.	Regular Price	SALE
8 Pt. Ratchet	Yellow	Cap	LF50E2RW2	22.22	17.65
8 Pt. Ratchet	White	Cap	LF50E2RW1	22.22	17.65
8 Pt. Ratchet	White	Full Brim	LF50E1RW1	25.46	20.20

PS910

Honeywell High Performance® Headgear & Faceshields

- Crowns made of advanced, heat-resistant Noryl® material
- Headgear has tough, 3C ratchet suspension
- Faceshield headgear has quick change system for safe, rapid face protection transfer
- Faceshields are made from durable .060" thick propionate
- Meets ANSI Z87.1 standards and certified to CSA Z94.3



F400



4178CL

Style	Order No.	Regular Price	SALE
Headgear	LF50F400	24.00	19.75
9-3/4" x 19" Faceshield	LF504199CL	12.00	9.90
8" x 16-1/2" Faceshield	LF504178CL	7.30	6.05

PS889

ProFlex® Gel Knee Pads

- Non-slip rubber cap grips kneeling surface
- Elastic straps



Style	Material	Order No.	Regular Price	SALE
Short Cap	Lightweight Gel + EVA foam	LF6518457	35.85	28.65
Extra Long Cap	Injected Gel + PU Foam	LF6518442	98.60	78.85

PS1003

Honeywell Disposable Earplugs

- Contoured shaped is easier to insert, resists tendency to back out of ear canal
- Polyurethane foam enhances comfort, especially for long term wearer
- Ideal for people with smaller ear canals
- Smooth, soil-resistant closed cell foam skin prevents dirt build-up



Description - Max Disposable Foam Earplugs					
NRR	Style	Min. Box Qty. Sold	Order No.	Regular Price	SALE EACH
33	Corded Earplug	100	LF50MAX30	0.35	0.30
33	Uncorded Earplug	200	LF50MAX1	0.19	0.15

Description - Max Lite Disposable Foam Earplugs					
NRR	Style	Min. Box Qty. Sold	Order No.	Regular Price	SALE EACH
30	Corded Earplug	100	LF50LPPF30	0.30	0.25
30	Uncorded Earplug	200	LF50LPPF1	0.16	0.10

Compliance: ANSI S3.19-1974

PS716

3M 3M™ Skull Screws™ Earplugs P1310

- Polyurethane
- Tough look of threaded metal, but feel of soft foam
- Push-to-fit style prevents earplug roll down
- Foam tip stays clean
- NRR 32 dB



NRR	Style	Min. Qty. Per Box	Order No.	Regular Price	SALE EACH
32 dB	Corded Earplug	120	KB3592952	0.97	0.70

Sold in Box Only

PS870

SAS Nuisance Dust Mask

- Adjustable metal nose piece shapes easily to face
- Single strap elastic head band
- Reduces the irritating effects from non-toxic particles
- Sold per box of 50 masks (priced per each mask)



Order No.	Regular Price	SALE
LF702985	6.30	4.40

PS951

TITAN™ Solar Powered Auto Darkening Welding Helmet

- Projects against UV and infrared radiation in variable shades from DIN 9 to DIN 13
- Lens automatically darkens when an arc is struck and returns to normal when welding stops
- Powered by solar cells with battery back-up
- Switching time: .000033 seconds light to dark
- Viewing area: 3.86 x 1.70"
- 1 Year warranty against mfg. defect



41265



41266

Helmet Graphics	Order No.	Regular Price	SALE
Eagle / Flag	KP8241265	158.15	102.80
Flames	KP8241266	158.15	102.80

PS825

PLANT & SAFETY

SAS Back Support

- Made of lightweight, cool, washable polyester
- Four plastic stays for flexible, contoured support
- Tapered design promotes better movement for proper back support
- Two sets of dual elastic stretch-bands for maximum, adjustable support



Size	Back Support			Hi-Vis Back Support		
	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
Small (28"-32")	LF707161	11.90	7.75	LF707261	16.15	10.50
Medium (32"-38")	LF707162	11.90	7.75	LF707262	16.15	10.50
Large (38"-47")	LF707163	11.90	7.75	LF707263	16.15	10.50
X-Large (46"-56")	LF707164	11.90	7.75	LF707264	16.15	10.50
2X-Large (54"-58")	LF707165	11.90	7.75	LF707265	16.15	10.50

PS935

PRM PRO Machinist's Apron 5 Pocket or Chest Pocket

- Measures 35.27" x 27.5"
- Color: Navy
- Material: Spun polyester



Order No.	Regular Price	SALE 1	SALE 12	SALE 144
KB391000	16.45	12.32	11.50	10.68

PS1001

MEMPHIS GLOVES 9218M13 Cut Pro™ Cut Resistant Sleeve

- 18", 13 gauge HPPE/ synthetic sleeve
- Allows excellent manual dexterity
- Abrasion and cut resistance, CE 4342 and ANSI Cut 2
- Seamless shell is comfortable, cool, and easy to wear



Size	Thickness	Order No.	Regular Price	SALE 1	SALE 12	SALE 144
18	13 Gauge	KB519218M13	6.58	6.04	5.66	5.13

PS930



Disposable Protective Coveralls

Microporous film technology

- Breathable advantage
- Protection against dry particulate and light liquid sprays
- Anti-static
- Meets ASTM 1670 for protection against blood born pathogens
- Meets ANSI sizing standards for wide range of motion
- Color: white

Size	Style - Collar, Zipper Front, Elastic Wrist & Ankle Microporous			SMMMS		
	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
Large	KP883602L	107.50	86.00	KP88C3802L	98.37	78.70
X-Large	KP883602XL	107.50	86.00	-	-	-
2X-Large	KP8836022XL	113.95	91.15	KP88C3802XXL	104.82	83.85
3X-Large	KP8836023XL	113.95	91.15	-	-	-

Size	Style - Collar, Zipper Front, Open Wrist Microporous			SMMMS		
	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
Large	KP883600L	103.20	82.55	KP88C3800L	96.75	77.40
X-Large	KP883600XL	103.20	82.55	KP88C3800XL	96.75	77.40
2X-Large	KP8836002XL	109.65	87.70	KP88C3800XXL	103.20	82.55
3X-Large	KP8836003XL	116.10	92.90	-	-	-

PRM PRO Protective Blue Vinyl Aprons

- High quality 6 mil virgin vinyl apron
- Resistance to acids, alkalis, solvents, chemical oils, fats, grease, and salts
- Inexpensive way to protect body and clothing
- Sold 12 per pack



Z1000

Z1005

Size	Neck Hold	Order No.	Regular Price	SALE 1	SALE 12	SALE 144
35" x 48"	Die Cut	KB38Z1000	15.00	11.25	10.50	9.75
35" x 54"	String	KB38Z1005	15.00	11.25	10.50	9.75

Available while supplies last

PS953

Proprietary SMMMS technology

- Three layers of melt blown polypropylene
- Breathable with protection against dry particulate, light liquid sprays and splashes
- Anti-static
- Color: white
- Case Qty. 25



Size	Style - Hood, Zipper Front, Elastic Wrist & Ankle Microporous			SMMMS		
	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
Large	KP883606L	111.80	89.45	KP88C3806L	100.52	80.40
X-Large	KP883606XL	111.80	89.45	-	-	-
2X-Large	KP8836062XL	118.25	94.60	KP88C3806XXL	106.97	85.55
3X-Large	KP8836063XL	124.70	99.75	-	-	-

Size	Style - Hood, Zipper Front, Elastic Wrist Attached Boots Microporous			SMMMS		
	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
Large	KP883609L	120.40	96.30	-	-	-
X-Large	KP883609XL	120.40	96.30	-	-	-
2X-Large	KP8836092XL	126.85	101.50	KP88C3809XXL	113.95	91.15
3X-Large	KP8836093XL	133.30	106.65	KP88C3809XXXL	120.40	96.30

PS954

PRM PRO Universal Safety Vest

- Hi-vis lime mesh with silver strips
- Velcro closure
- One size fits most

Order No.	Regular Price	SALE
KB38SV8099	6.63	4.30



PS952

Prices Effective April 1, 2018 Thru June 30, 2018

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PLANT & SAFETY

Pyramex Safety Glasses & Magnifiers Exceeds ANSI Z87 .1-2003 High Impact Requirements

Avante

- Lightweight sport styling
- Built in rubber nose pad
- Vented frame
- 99% Effective against UV rays
- Black frame



V2 Reader

- Reader lens is out of user's direct line of sight
- 5 Different sizes of magnification available, clear lens
- 9.75 Base curved lens provides full side protection
- Black frame



Style - Avante			
Lens	Order No.	Regular Price	SALE
Amber	KB54SB4530D	5.80	3.75
Blue Mirror	KB54SB4575D	7.40	4.80
Clear	KB54SB4510D	5.25	3.40
Gray	KB54SB4520D	5.80	3.75
Infinity Blue	KB54SB4560D	5.80	3.75
Silver Mirror	KB54SB4570D	7.40	4.80

Style - V2 Reader Magnifiers				
Lens	Magnification	Order No.	Regular Price	SALE
Clear	+1.00	KB54SB1810R10	11.20	7.30
Clear	+1.50	KB54SB1810R15	11.20	7.30
Clear	+2.00	KB54SB1810R20	11.20	7.30
Clear	+2.50	KB54SB1810R25	11.20	7.30
Clear	+3.00	KB54SB1810R30	11.20	7.30



PS519

3M 3M™ BX™ Protective Eyewear with Readers

- Clear choice for workers who have difficulty reading small print or who are engaged in small detail work
- BX protective reader eyewear features three magnifying diopters to choose from
- Lightweight, polycarbonate lenses with adjustable soft-tip temples, and a soft nose-bridge
- Curved lens side protection



Lens	Frame	Magnification	Order No.	Regular Price	SALE
Clear Anti-Fog	Silver	+1.50	KB3511374	16.17	11.85
Clear Anti-Fog	Silver	+2.00	KB3511375	16.17	11.85
Clear Anti-Fog	Silver	+2.50	KB3511376	16.17	11.85

PS701

Honeywell Instinct™

- Provides high-performance protection with a sleek design and lightweight frame, featuring a variety of adjustability features for a comfortable, customized fit
- Equipped with a dual, 7-base wraparound lens for uncompromised peripheral vision, with a fully integrated, cushioned browguard to comfortably diffuse and deflect impact energy



Lens	Frame	Order No.	Regular Price	SALE
Blue Mirror	Matte Black	LF50S2823	12.68	10.10
Clear Anti-Fog	Matte Black	LF50S2820XP	10.88	8.65
Gray Anti-Fog	Matte Black	LF50S2821XP	11.88	9.45

PS923

Carhartt® Spokane®

- Spokane® is ideal for the active lifestyle
- Flexible rubber nosepiece
- Unique half-frame design



Lens	Frame	Order No.	Regular Price	SALE
Clear	Black Frame	KB54CHB310D	11.50	7.50
Gray	Black Frame	KB54CHB320D	12.15	7.90
Sandstone Bronze	Black Frame	KB54CHB318D	12.15	7.90

PS873

MEMPHIS GLOVES 3601 Goatskin Driver Gloves

- Grain kid goatskin
- Exceptional durability
- Greater softness for sense of touch
- Excellent tensile strength



Size	Order No.	Regular Price	SALE 1	SALE 12	SALE 144
Medium	KB513601M	10.58	9.10	8.78	7.96
Large	KB513601L	10.58	9.10	8.78	7.96
X-Large	KB513601XL	11.24	9.63	9.30	8.43

PS621

Se-Kure Domes & Mirrors, Inc. Convex Mirrors

- 20% Brighter than glass
- Hardware included
- 120° Viewing angle
- Less distortion longer lasting



Style - Indoor Convex Mirrors				
Dia. (in.)	Mount Included	Order No.	Regular Price	SALE
18	Single Z Bracket	KB2520010	52.30	39.20
26	1 Telescoping Bracket	KB2520025	94.00	70.50
26	Single Z Bracket	KB2520020	86.40	64.80
36	1 Telescoping Bracket	KB2520040	169.20	126.90

Style - Outdoor Galvanized Metal Back Convex Mirrors				
Dia. (in.)	Mount Included	Order No.	Regular Price	SALE
18	2 Telescoping Brackets	KB2520230	111.65	83.75
26	3 Telescoping Brackets	KB2520250	180.40	135.30
36	3 Telescoping Brackets	KB2520280	286.15	214.60

Style - Outdoor Plastic Back Convex Mirrors				
Dia. (in.)	Mount Included	Order No.	Regular Price	SALE
18	2 Telescoping Brackets	KB2520720	84.05	63.05
26	3 Telescoping Brackets	KB2520740	157.45	118.10
36	3 Telescoping Brackets	KB2520770	236.90	177.70

Ships from Michigan

PS946

TORK Advanced Intuition / Matic Towel Rolls

- Developed for easy maintenance in high traffic washrooms
- This towel saves time and controls consumption by one-at-a-time sheet dispensing
- Embossing enhances hand feel and maximum absorbency, allowing fewer towels used per hand dry
- Provides 884 towels/roll for the Tork Matic, 1,050 towels/roll with Intuition 8" setting to meet high capacity needs
- Single ply
- Dispenser part # LM485510282 or LM485511281



Size	Color	Order No.	Regular Price	SALE
7.8" x 9" x 7.7"	Natural	LM48290088	71.40	57.10
7.8" x 9" x 7.7"	White	LM48290089	86.20	68.95

PS957



Prices Effective April 1, 2018 Thru June 30, 2018

PLANT & SAFETY



Multi-Purpose Work Gloves

- Leather palm, gun pattern with safety cuff
- Leather fingertips
- Cotton lined
- Elastic strap
- 2-1/2" Rubberized safety cuff



PS329

Order No.	Regular Price	SALE 1	SALE 12	SALE 144
KB51TC5	3.95	4.08	3.83	3.47

PRM PRO Welder's Gloves

- Grain cowhide mig/tig welder
- Gunn pattern, wing thumb, 4-1/2" split leather gauntlet cuff
- Sewn with DuPont™ Kevlar® thread
- Ideal for welding and heat applications



PS772

Size	Order No.	Regular Price	SALE 1	SALE 12	SALE 144
Medium	KB38500M	9.75	7.31	6.82	6.33
Large	KB38500L	9.75	7.31	6.82	6.33

SAS Deluxe Knee Pads

Hard Cap:

- Plastic cap over tough nylon fabric with soft foam rubber core
- Water and abrasion resistant
- Easy-to-use hook-and-loop closures



7102

Gel:

- Super-thick 1/2" high density closed-cell foam
- Large, low-profile cap designed to prevent "roll over"
- Anti-compression air injected gel
- Easy-to-use hook-and-loop closures



7105

Style	Order No.	Regular Price	SALE
Hard Cap	LF707102	14.70	9.55
Gel	LF707105	18.95	12.30

PS939

OIL-DRI Universal Socks

4 ft., 6 ft., & 10 ft.

- Each sock is filled with recycled cellulose
- Use socks at the base of machinery or around drums
- Use socks for non-aggressive leak protection



Size	Box Quantity	Order No.	Regular Price	SALE
3" D x 4' L	12	LD60L90790	35.10	28.10
3" D x 4' L	40	LD60L90890	104.35	83.50
3" D x 6' L	18	LD60L90934	80.55	64.45
3" D x 10' L	10	LD60L90936	74.45	59.55

PS760

PRM PRO Cotton Dotted Canvas Glove

- Woven cotton canvas with PVC dots
- Clute pattern and straight thumb
- Ideal for general purpose applications, keep hands clean and cool



PS786

Size	Order No.	Regular Price	SALE 1	SALE 12	SALE 144
Large	KB38300L	1.31	0.98	0.91	0.85

Honeywell WorkEasy® Cut-Resistant Gloves

- HPPE fiber blend cut-resistant glove features ANSI cut level 3 protection
- Lightweight, 13 gauge seamless knit shell is comfortable and provides excellent tactile sensitivity
- Polyurethane coating
- Color: gray/white



PS054

Size	Order No.	Regular Price	SALE 1	SALE 12	SALE 144
Medium	KB65WE300M	10.40	8.84	7.80	7.28
Large	KB65WE300L	10.40	8.84	7.80	7.28
X-Large	KB65WE300XL	10.40	8.84	7.80	7.28

TORK 2-Ply Bath Tissue

- Easy start tail seal to prevent waste
- Each roll is elegantly wrapped ensuring sanitary protection while delivering quality, value, and performance
- Bath tissue has rapid breakup, ideal for all plumbing systems
- This product contains 20% post-consumer fiber providing an environmental benefit and a positive image builder
- EPA compliant for reduced environmental impact
- Dispenser part # LM4856TR



TM6512



TM1616S

Description	Pack	Order No.	Regular Price	SALE
Premium 2 Ply Ultra Soft Embossed	460 sheets x 48 rolls	LM48TM6512	50.80	40.65
Universal 2 Ply Soft Embossed	500 sheets x 96 rolls	LM48TM1616S	82.40	65.90

PS958

PRM PRO Standard Cotton Jersey Gloves

- Clute pattern
- General purpose
- Breathable material
- Color: brown



Size	Order No.	Regular Price	SALE 1	SALE 12	SALE 144
Large	KB38350L	1.04	0.77	0.72	0.67

PS798

Prices Effective April 1, 2018 Thru June 30, 2018

PLANT & SAFETY

RAYOVAC 220 Lumen Tactical LED Flashlight

- **Bulb:** High performance CREE XPG LED with spot to flood adjustment
- **Lumens:** High 220; Low 90
- **Run time:** 3 lighting modes: High 2 hours; Low 4-1/2 hours; Strobe 8 hours
- **Body:** Aircraft grade aluminum
- **Battery:** 3 AAA (included)
- **Size:** 2 x 5-7/8 x 8-3/4"
- **Features:** 479 ft beam distance. Water resistant. Includes holster



Order No.	Regular Price	SALE
KA30RNT3AAAB	35.90	26.90

PS068

STREAMLIGHT Argo® Headlamp

- **Bulb:** C4® LED
- **Run time:** 3 Output modes: **High** for maximum output and long-range beam distance: 3 hrs, 150 lumens, 9,250 candela, 190m beam distance; **Medium** for intense brightness and longer run time, 4.5 hrs, 100 lumens, 6,375 candela, 160m beam distance; **Low** for extended run times and when less intense light is needed, 30 hrs, 45 lumens, 2,750 candela, 103m beam distance
- **Battery:** 3 AAA alkaline (included)
- **Features:** Low level battery indicator: recessed push-button switch; elastic head strap and rubber hard hat strap; 90° tilting head; IPX4 rated for water resistance; 2 meter impact resistance tested



Order No.	Regular Price	SALE
KA5761301	50.00	32.50

PS904

ELECTRIX 22" Reach LED Task Lamp With Clamp-On Base

- 22" Dust free vinyl coated industrial strength flexible gooseneck
- 3 x 3" Compact metal construction shade
- 7 Watt LED is equivalent to 50 watt incandescent
- 9' Grounded cord and plug
- 25,000 Hour life
- Color: gray



MADE IN THE USA

Order No.	Regular Price	SALE
KC513001	149.50	119.60

PS956

MAGLITE® ML125® LED Rechargeable System

- **Bulb:** LED
- **Lumens:** 186 NiMH, 193 Alkaline
- **Run time:** 8 hrs. 30 min./high, 30 hrs./low - NiMH, 25 hrs./ high, 72 hrs./low Alkaline
- **Body:** Anodized aluminum alloy with diamond knurl grip
- **Battery:** NiMH (included) or 3C Alkaline (not included)
- **Size:** 11.1" long
- **Features:** 5 Modes using QuickClik™ system, 4 function settings, water resistant, 1m drop resistant, includes charging cradle and AC adapter



Order No.	Regular Price	SALE
KA705100	113.40	90.70

PS944

PRM PRO COB Wide Beam Pen Flashlight

- **Bulb:** COB (chips on board)
- **Lumens:** 400 High & 160 Low
- **Run Time:** 4.5 Hours - High, 15 Hours - Low, 40 Hours Blinking
- **Switch:** Button
- **Battery:** 3 AA (included)
- **Size:** 10 x 3.25 x 1.25
- **Features:** Powerful lighting that illuminates your work area, magnet on bottom allows for your hands to be completely free, anodized aluminum housing is both water and impact resistant, high beam, low beam & red blinking for emergency

400 Lumens



Order No.	Regular Price	SALE
KP9199171	15.00	9.00

PS959

RAYOVAC Batteries

- **Alkaline Batteries:** Rayovac delivers outstanding performance and reliability, even after 10 years of storage. Rayovac bulk batteries are individually date coded to ensure freshness. Rayovac offers economical bulk packaging.



- **Specialty – Button/Coin/Photo Batteries:** Designed for applications with a high current pulse and continuous drain. Very high power, energy density, and excellent rate capability. Up to 4x the power of alkaline batteries. Wide operating temperatures, excellent shelf life.



Style - Rayovac Blister Packed Alkaline					
Size	Qty./Pk.	Rayovac Model No.	Order No.	Regular Price	SALE
AA	8	815-8CF	KA30AA015	8.25	6.20
AAA	8	824-8CF	KA30AAA15	8.25	6.20
AAAA	2	KE825-2	KA30AAA5	3.40	2.55
C	8	814-8CF	KA30C0010	16.75	12.55
D	8	813-8CF	KA30D0010	16.75	12.55

Style - Rayovac Coin/Cell					
Size	Qty./Pk.	Rayovac Model No.	Order No.	Regular Price	SALE
1.5V	3	303/357	KA30CN010	4.05	3.05
3V	1	2032	KA30CN020	1.55	1.15
3V	1	CR 1/3 N	KA30V6131101401	5.70	4.30
3V	2	2450	KA30CN025	3.05	2.30

Style - Rayovac Ultra Pro Bulk Alkaline					
Size	Qty./Pk.	Rayovac Model No.	Order No.	Regular Price	SALE
AA	24	ALAA-24F	KA30AA020	11.90	8.95
AAA	24	ALAAA-24F	KA30AAA20	12.45	9.35
C	12	ALC-12F	KA30C0015	12.15	9.10
D	12	ALD-12F	KA30D0015	16.20	12.15

PS960

TITAN 60 Lumen LED Mini Flashlight

- **Bulb:** 1 Watt Lux-C LED
- **Lumens:** 60
- **Battery:** 1 AA (included)
- **Size:** 3.4" long
- **Features:** Durable aluminum housing with water resistant seals. Push button switch



Order No.	Regular Price	SALE
KP8236016	17.90	11.65

PS063

PLANT & SAFETY

DAZOR Circline Inspection Magnifiers MADE IN THE USA

- Circline magnifier produces 22-watts of diffuse light for shadow free viewing
- Dazor floating arm stays in position with touch of finger—doesn't bounce like spring arm models
- Clamp mounts to tables, workbenches, etc.
- Flicker free instant on/off
- 9' Oil resistant grounded cord
- UL listed
- Color: black



Diopter	Magnification	Reach (in.)	Mount	Order No.	Regular Price	SALE
3	+1.75	28	Desk	KC50MC100	387.85	310.30
3	+1.75	28	Clamp	KC50MC150	331.30	265.05
3	+1.75	42	Clamp	KC50MC200	331.30	265.05

PS806

ELECTRIX Halogen Machine Lights

- Mounts directly to workstations, grinders, lathes or machines
- 55 Watt halogen bulb (included)
- Color: gray

MADE IN THE USA



PS419

Type	Order No.	Regular Price	SALE
Adjustable Arm Moisture Resistant Machinist Light	KC517750	294.15	235.30

ELECTRIX Moisture Resistant Machine Light Magnet Mount

- Powerful 50-watt halogen lamp combined with anodized reflector produces bright, evenly spread white light
- Compact 3" x 4" metal shade sealed to protect against dust and moisture
- On/off switch enclosed by moisture resistant seal
- Flexible steel gooseneck with 32" overall reach
- Color: black

MADE IN THE USA



PS729

OAL (in.)	Order No.	Regular Price	SALE
32	KC517330	136.50	109.20

Protect-O-Screens

- Protects workers from hazards of welding sparks, spatter and UV flash
- Can be used individually or joined together to form multiple panel enclosures
- Features sturdy 18 gauge steel frame and your choice of 12 oz. olive drab or orange transparent vinyl curtain
- Other material and sizes are available
- UPS dimensional weight shipping rates apply



Size	Color	Order No.	Regular Price	SALE
6' x 6'	Olive Drab Cotton	RT5850166	126.10	107.20
6' x 6'	Orange Transparent Vinyl	RT5853866	110.90	94.25
6' x 8'	Olive Drab Cotton	RT5850186	152.30	129.45
6' x 8'	Orange Transparent Vinyl	RT5853886	134.05	113.95

PS675

BAYCO LED Xtreme Lumens™ Multi-Purpose Rechargeable Work Light

- **Bulb:** LED
- **Run time:** 4-1/2 hrs High, 12-1/2 hrs Low
- **Lumens:** 600 High, 225 Low
- **Battery:** Rechargeable Lithium-ion
- **Features:** X-treme lumens™ design, three intergraded magnets for hands free use, magnetic hook, IP-X4 water-resistant, AC and DC charger included, 6 hour charge time
- 1 Year limited warranty



Order No.	Regular Price	SALE
KE58SL2168B	62.80	47.10

PS955

BAYCO Heavy Duty Retractable Cord Reels

3-Tap Plug

- 30 Ft. 14/3 cord, (SJT)
- Heavy-duty metal retractable reel
- Polarized plug with three 13amp grounded receptacles
- Brackets for wall or ceiling mounting (included)
- LED power status light



Quad-Tap Plug

- 50 Ft. heavy-duty 12/3 cord, (SJT/W)
- Quad (4) polarized plug with four 15amp grounded receptacles
- 40% Larger cord reel w/smooth glide rewind
- Resettable 15amp circuit breaker
- LED power status light
- Mounting brackets (included)



Plug Receptacles	Order No.	Regular Price	SALE
3-TAP	KE58SL801	66.15	49.60
4-TAP	KE58SL8904	121.55	91.15

PS602

Premoistened Wipes

Wypall Features:

- Dual texture wiper is smooth for wiping one side and tough for scrubbing on the other



GoJo Scrubbing Wipes:

- Removes tough grease, tar and adhesives
- Extra large wipes contain skin conditioners to help prevent dryness and irritation
- 72 or 170 count available



Scrubs-in-a-Bucket Features:

- Waterless hand cleaner towels
- Heavy duty hand cleaner towels with proven pumice performance
- Loosens, dissolves & absorbs dirt, grease, oil, paint, adhesive, tar, caulk & more



Description	Pack	Order No.	Regular Price	SALE
WypAll Waterless Wiper/Scrubber	75	LM5591371	17.56	14.05
Scrubbing Wipes in a Canister	72	LP55639606	15.30	12.60
Scrubbing Wipes in a Bucket	170	LP55639802	34.15	28.15
SCRUBS in-a-Bucket®	72	LM54422C072	16.65	13.30

PS624

Prices Effective April 1, 2018 Thru June 30, 2018

FLUIDS

CROWN Cutting Oil

- Provides maximum lubricity for ferrous and non-ferrous machining
- Reduces downtime and increases tool life



FL402

Size	Order No.	Regular Price	SALE
10.5 oz	LP507020	6.88	5.50

Accu-Lube Lubricants and Paste

MADE IN THE USA

Accu-Lube LB-2000

- Medium to heavy duty machining
- For use in general machinery, drilling and tapping small diameter holes
- High performance natural base oil
- Environmentally friendly and worker safe
- Good for all metals



LB2000

Accu-Lube LB-3000

- Medium duty machining: sawing, solids and tubing drilling and tapping small holes, stamping, rolling
- Economical high performance natural base cutting oil
- Environmentally friendly and worker safe
- Must be cleaned off prior to post heat treating
- Good for all metals



LB3000

Accu-Lube Paste

- The industry standard for horizontal applications
- Brush it on for tapping, reaming or drilling
- Environmentally safe and biodegradable

79030



Accu-Lube Stick Lubricants

- Reduce heat build-up in belt, disc or wheel grinding operations
- Apply the ready-to-use stick to the tool before start-up
- Environmentally safe and biodegradable

79042

79045

Size	Order No.	Regular Price	SALE
2.02 oz Push-up Stick	LK6079042	5.15	4.65
8 oz	LK6079030	11.95	10.75
13 oz Tube	LK6079045	16.25	14.65
1 Gallon	LK60LB3000	54.35	48.90
1 Gallon	LK60LB2000	83.95	75.55

FL304

LPS Tapmatic® #1 Gold

- Great for steel and aluminum
- Excellent for low speed, high pressure applications
- Minimizes torque increases
- Does not contain chlorinated paraffins, water, solvents or inactive fillers
- Safe on all metals
- Additional handling charges may apply



40320



4033

Size	Order No.	Regular Price	SALE
1 Pint	LJ6040320	12.85	10.90
1 Gallon	LJ6040330	74.20	63.05
5 Gallon	LJ6040340	299.50	254.55

FL197

WD-40 Lubricant

- WD-40 will not oxidize and cause delicate machining to gum up as will normal lubricants. It keeps lubricating quality at all temperatures, even in cold weather
- Penetrates and displaces moisture

MADE IN THE USA



49005



49011

Size	Order No.	Regular Price	SALE
8 oz Smart Straw	LS5149002	7.05	5.30
11 oz Smart Straw	LS5149004	8.95	6.70
12 oz Smart Straw	LS5149005	9.50	7.15
16 oz	LS5149008	9.20	6.90
1 Gallon	LS5149011	32.90	24.65
5 Gallon	LS5149012	153.80	115.35

FL155



12" Oil Skimmer

- Removes floating tramp oils
- Removes up to 1-1/2 gallons of oil per hour
- Flexible wiper blades
- Shipping weight 9 lbs
- Disks & wipers are guaranteed for life



MADE IN THE USA

Order No.	Regular Price	SALE
NY40LH300	247.95	223.15

FL162



Odor Control Tablets

- Eliminates coolant stench
- Safe and easy to use
- Contains no formaldehyde or formaldehyde-releasing chemicals
- Most effective way to control odors in any water based coolant system
- Safer and more economical than biocides
- Use one tablet per 25 gallons of coolant every 2 weeks
- Designed for small sumps usually of 200 gallons or less
- 15 Tablets per tube



MADE IN THE USA

Order No.	Regular Price	SALE
NY40XOCT25	40.95	36.85

FL164



Thread-Cutting Oil - Dark

MADE IN THE USA

- Ready to cut clean, smooth threads on all pipe materials
- Extreme-pressure additive for anti-weld characteristics
- Excellent protection of tools and machined parts against corrosion
- Contains anti-mist component for a healthier work environment



Size	Order No.	Regular Price	SALE
1 Gallon	LJ5501GTCO14	22.00	17.60
5 Gallon	LJ5505GTCO14	95.00	80.75
55 Gallon	LJ5555GTCO14†	690.00	680.00

†All 55 Gallon Drums FOB Factory

FL413



Prices Effective April 1, 2018 Thru June 30, 2018

FLUIDS

CRC Syntho-Tech™ Lubricant MADE IN THE USA

- NSF, H1 registered, non-flammable, zero VOC, unique blend of synthetic lubricants that utilizes PTFE, anti-wear and extreme pressure additives to provide unparalleled lubricating performance
- **Applications:** Bearings, gears, linkages, motors, chains, cables, rollers, guide bars, pulleys, cams, valves, ball joints, hinges, slides, cutting tools, taps, dies, pistons, handling equipment, conveyors, hoists, lifts, doors, fans, and processing equipment



Size	Order No.	Regular Price	SALE
16 oz	LR5003054	14.55	11.65

FL364

LPS 2® Industrial Strength Lubricant

- A nondrying, light, oily film
- Reduces wear
- Displaces moisture
- Loosens rusted or frozen parts
- Up to one year of protection
- Safe on paint and most plastics
- Spray at any angle
- NSF® H2 registered



00216



02128

Size	Order No.	Regular Price	SALE
11 oz	LJ6000216	12.85	10.90
1 Gallon	LJ6002128	52.55	44.65

FL212

Markal® PRO-LINE® HP Liquid Paint Marker for Oily Surfaces

- Unique paint formula resists spreading and dries quickly through oily surfaces to leave precise, permanent marks
- Durable metal barrel and nib reduce breakage for longer marking life.
- Xylene-free paint reduces user health risks

MADE IN THE USA



Color	Order No.	Regular Price	SALE
White	LH5296960	2.96	2.35
Yellow	LH5296961	2.96	2.35
Red	LH5296962	2.96	2.35
Black	LH5296963	2.96	2.35
Orange	LH5296964	2.96	2.35
Blue	LH5296965	2.96	2.35
Green	LH5296966	2.96	2.35
Silver	LH5296967	3.02	2.40

FL265

Mobil Mobilgrease Lubricating Grease XHP 222

NLGI Grade - 2, Thickener Type Li-Complex

Mobilgrease Lubricating Grease XHP 222 Grease is an extended service. Lithium complex grease intended for a wide variety of applications and severe operating conditions.

- Superb resistance to water washout and spray-off
- Highly adhesive and cohesive structure
- Excellent rust and corrosion resistance
- Extended grease life and enhanced bearing protection in high temperature applications
- Very good anti-wear

Size	Order No.	Regular Price	SALE
13.7 oz	LK45121929	4.55	3.60
35 lb	LK45XHP22235	171.78	135.20

3M 3M™ Super 77™ Multi-Purpose Spray Adhesive

- High tack, high coverage and fast drying
- Use for permanently attaching foils, carpeting, lightweight foams, paper, cardboard, felt and cloth to painted or unpainted metals, wood and hardboard
- Bonds quickly in 15 seconds

MADE IN THE USA



Size	Order No.	Regular Price	SALE
24 oz	LF53212109	20.00	16.00

FL256

LOCTITE® 243 Blue Threadlocker Oil Resistant/Medium Strength

- Loctite 243 is a step up from 242
- 243 is designed for oils and higher heat environment, such as engines and for high torque bolts
- 243 has higher strength like the 'red' however is not permanent, and application can be removed with correct tools

MADE IN THE USA



Size	Color	Order No.	Regular Price	SALE
10ml	Blue	LM501329837	14.85	13.35
50ml	Blue	LM501329467	41.25	37.15
250ml	Blue	LM501329505	143.30	132.00

FL360

KRYLON Industrial Tough Coat® Acrylic Enamel

- Tough, protective coating resists chipping and peeling
- Smooth, even coverage
- Fast-drying, dries to the touch in 15 minutes
- Ideal for light-to heavy-duty painting projects, both indoors and outdoors
- 16 oz



Color	Order No.	Regular Price	SALE
Aluminum Gloss	LP4001760	6.58	5.25
Cherry Red Gloss	LP4001101	6.58	5.25
Machinery Dark Gray Gloss	LP4000325	6.58	5.25
Max Flat Black	LP4003727	6.58	5.25
Medium Gray Gloss	LP4001615	6.58	5.25
OSHA Black Gloss	LP4001770	6.58	5.25
OSHA Blue Gloss	LP4001510	6.58	5.25
OSHA Orange Gloss	LP4001210	6.58	5.25
OSHA Red Gloss	LP4001110	6.58	5.25
OSHA White Gloss	LP4001800	6.58	5.25
OSHA Yellow Gloss	LP4001310	6.58	5.25
Semi-Flat Black	LP4003725	6.58	5.25

FL202

MADE IN THE USA

121929



XHP22235

FL263

Prices Effective April 1, 2018 Thru June 30, 2018

ABRASIVES

BobCat® Zirconia Quick Change Abrasive Flap Discs

- BobCat® flap discs outperform conventional quick change discs at least 19 to 1
- Ideal for grinding, deburring and blending steel and stainless metal fabrication
- Applications include aggressive and rapid stock removal
- Type 29 angled style for maximum contact
- Type 27 flat style for smoother grinding and enhanced conformability



Mount - Type 27, R Mount					
Diameter (in.)	Grit	RPM	Order No.	Regular Price	SALE
2	36	30000	MK5150956	3.70	2.65
2	40	30000	MK5150957	3.70	2.65
2	60	30000	MK5150958	3.70	2.65
2	80	30000	MK5150959	3.70	2.65
2	120	30000	MK5150960	3.70	2.65
3	36	20000	MK5150961	4.80	3.40
3	40	20000	MK5150962	4.80	3.40
3	60	20000	MK5150963	4.80	3.40
3	80	20000	MK5150964	4.80	3.40
3	120	20000	MK5150965	4.80	3.40

Mount - Type 27, S Mount					
Diameter (in.)	Grit	RPM	Order No.	Regular Price	SALE
2	36	30000	MK5150932	3.70	2.65
2	40	30000	MK5150933	3.70	2.65
2	60	30000	MK5150934	3.70	2.65
2	80	30000	MK5150935	3.70	2.65
2	120	30000	MK5150936	3.70	2.65
3	36	20000	MK5150912	4.80	3.40
3	40	20000	MK5150913	4.80	3.40
3	60	20000	MK5150914	4.80	3.40
3	80	20000	MK5150915	4.80	3.40
3	120	20000	MK5150916	4.80	3.40

Mount - Type 29, R Mount					
Diameter (in.)	Grit	RPM	Order No.	Regular Price	SALE
3	80	20000	MK5150954	4.80	3.40
2	36	30000	MK5150946	3.70	2.65
2	40	30000	MK5150947	3.70	2.65
2	60	30000	MK5150948	3.70	2.65
2	80	30000	MK5150949	3.70	2.65
2	120	30000	MK5150950	3.70	2.65
3	36	20000	MK5150951	4.80	3.40
3	40	20000	MK5150952	4.80	3.40
3	60	20000	MK5150953	4.80	3.40
3	120	20000	MK5150955	4.80	3.40

Mount - Type 29, S Mount					
Diameter (in.)	Grit	RPM	Order No.	Regular Price	SALE
2	36	30000	MK5150922	3.70	2.65
2	40	30000	MK5150923	3.70	2.65
2	60	30000	MK5150924	3.70	2.65
2	80	30000	MK5150925	3.70	2.65
3	36	20000	MK5150902	4.80	3.40
3	40	20000	MK5150903	4.80	3.40
3	60	20000	MK5150904	4.80	3.40
3	80	20000	MK5150905	4.80	3.40
3	120	20000	MK5150906	4.80	3.40

A248

Flat Head Wheel Arbors

- Left hand threaded arbor
- "Flat Head" style allows mounting between a single washer and the flat-head
- For mounting wire wheel brushes & other abrasive finishing products
- Rust proof finish



Fits Arbor Hole (in.)	Wheel Width Up to (in.)	Shank Dia. (in.)	OAL (in.)	Order No.	Regular Price	SALE
1/2	1/2	1/4	2-5/16	MM54FHL30	5.40	2.40
1/2	3/8	1/4	1-7/8	MM54FHL25X	3.35	1.50
1/2	7/8	1/4	2-5/16	MM54FHL30X	3.65	1.65
1/4	3/4	3/16	1-3/4	MM54FHL8X	5.90	2.65
3/8	3/8	1/4	1-5/8	MM54FHL10X	3.25	1.45
5/8	3/8	1/4	1-7/8	MM54FHL50X	6.70	3.00

A543

Norton Bluefire Mini Flap Discs

- Plate steel/structural steel
- Civil/construction/military equipment
- Propane tanks
- Farm equipment
- Strong zirconia alumina plus abrasive delivers aggressive cut rate and up to 30% longer life on mild carbon steel welds
- Semi-open coat retards loading on aluminum



Size (in.)	Grit	Box Qty.	TR			TS		
			Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
2	120	10	MH61D0290169	4.82	4.00	MH61D0290179	4.82	4.00
2	36	10	MH61D0290165	4.82	4.00	MH61D0290175	4.82	4.00
2	40	10	MH61D0290166	4.82	4.00	MH61D0290176	4.82	4.00
2	60	10	MH61D0290167	4.82	4.00	MH61D0290177	4.82	4.00
2	80	10	MH61D0290168	4.82	3.95	MH61D0290178	4.82	4.00

A699

OGW 4-1/2" Blue Zirconia Flap Discs

Z3 Ultimate – Excellent on steel and stainless

- Extra wide material width for extra long life - This creates extra spacing to allow zirconia to break down
- Special design flap structure provides cushion-like impact, thus making stock removal easier to control and offering best finishing results
- 30% longer life than regular density flap discs
- Premium 100% Zirconia Alumina grain with a poly/cotton heat treated backing



Right Angle Grinder

Dia. (in.)	Hole Size (in.)	Grit	T27			T29		
			Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
4-1/2	7/8	36	MG9054001	4.95	3.10	MG9054021	4.95	3.10
4-1/2	7/8	40	MG9054002	4.95	3.10	MG9054022	4.95	3.10
4-1/2	7/8	60	MG9054004	4.95	3.10	MG9054024	4.95	3.10
4-1/2	7/8	80	MG9054005	4.95	3.10	MG9054025	4.95	3.10
4-1/2	5/8-11	36	MG9054011	6.80	4.25	MG9054031	6.80	4.25
4-1/2	5/8-11	40	MG9054012	6.80	4.25	MG9054032	6.80	4.25
4-1/2	5/8-11	60	MG9054014	6.80	4.25	MG9054034	6.80	4.25
4-1/2	5/8-11	80	MG9054015	6.80	4.25	MG9054035	6.80	4.25

A276

Superior Surface Conditioning Quick Change Discs

- Ideal for blending, cleaning & deburring
- For both flat & contour applications
- Quick cutting action
- 2" - 50 pcs. per carton
- 3" - 25 pcs. per carton



Dia. (in.)	Grit	Roll-On			Turn-On		
		Roll-On Quick Change Discs			Turn-On Quick Change Discs		
		Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
2	Coarse	MM6410553	1.50	1.00	MM6410544	1.50	1.00
2	Medium	MM6410554	1.45	0.95	MM6410545	1.45	0.95
2	Very Fine	MM6410555	1.45	0.95	MM6410546	1.45	0.95
3	Coarse	MM6410556	2.55	1.70	MM6410547	2.55	1.70
3	Medium	MM6410557	2.50	1.65	MM6410548	2.50	1.65
3	Very Fine	MM6410558	2.50	1.65	MM6410549	2.50	1.65

2" Holder Roll-On MM59-64922 - Turn-On MM59-64198

3" Holder Roll-On MM59-64949 - Turn-On MM59-64113

A132

Prices Effective April 1, 2018 Thru June 30, 2018

ABRASIVES



Dry Lube Aluminum Oxide Resin Paper Back PSA Disks

- Heat treated P grade aluminum
- 30% Faster cut & longer life
- Uniform scratch pattern
- Superior load resistance
- Superior resistance to delamination & tearing
- 4 Pack link disk roll



Grit	Diameter (in.)	Order No.	Regular Price	SALE
80	5	MM4218114	55.00	43.15
80	6	MM4218173	76.95	60.35
100	5	MM4218113	50.30	39.50
100	6	MM4218172	71.10	55.75
120	5	MM4218112	50.70	39.80
120	6	MM4218171	71.10	55.75
150	5	MM4218111	50.70	39.80
150	6	MM4218170	71.10	55.75
180	5	MM4218110	50.70	39.80
180	6	MM4218169	71.10	55.75
220	5	MM4218109	50.70	39.80
220	6	MM4218168	71.10	55.75
240	5	MM4218108	50.30	39.50
240	6	MM4218167	71.10	55.75
280	5	MM4218107	50.30	39.50
280	6	MM4218166	71.10	55.75
320	5	MM4218106	50.70	39.80
320	6	MM4218165	71.10	55.75
400	5	MM4218105	50.70	39.80
400	6	MM4218164	71.10	55.75

A290



Rubber Back-Up Pads

- Rubber back-up pads for use with coarse grits
- Spiral ribs provide contact points and form channels for air flow, extending disc life 30% to 50%
- Larger air holes provide cooler operating and longer abrasive disc life
- Pad size meets ANIS B186.1 standards
- Smooth face pads are excellent for general purpose applications



Style - Ro-On				
Size (in.)	Type	Order No.	Regular Price	SALE
2 x 1/4	Medium	MG9059732	9.50	5.90
3 x 1/4	Medium	MG9059734	10.55	6.50

Style - Rubber with Smooth Bore & Spiral Pattern				
Size (in.)	Type	Order No.	Regular Price	SALE
4-1/2	Medium	MG9049521	24.85	15.35

Style - Rubber with Smooth Face				
Size (in.)	Type	Order No.	Regular Price	SALE
4-1/2 x 5/8-11	Medium	MG9049508	24.10	14.90
7 x 5/8-11	Medium	MG9049506	37.35	23.10

Style - Rubber with Standard Spiral Pattern				
Size (in.)	Type	Order No.	Regular Price	SALE
4-1/2 x 5/8-11	Medium	MG9048220	24.85	15.35
5 x 5/8-11	Medium	MG9048221	25.95	16.05
7 x 5/8-11	Flexible	MG9049510	37.35	23.10
7 x 5/8-11	Medium	MG9048222	37.35	23.10
7 x 5/8-11	Ridgid	MG9049511	37.35	23.10
9 x 5/8-11	Medium	MG9048239	43.25	26.75

Style - Turn-On				
Size (in.)	Type	Order No.	Regular Price	SALE
2 x 1/4	Medium	MG9059733	10.00	6.20
3 x 1/4	Medium	MG9059735	11.60	7.20

A475



Diamond Sharpening Hones

- A quick easier way to hand sharpen both cutlery and tools
- The diamond abrasive is treated to be tougher and last longer
- Available in: fine, medium, and coarse grits
- Size of abrasive part:
2"L x 3/4"W x 5-7/8" OAL



Grit	Order No.	Regular Price	SALE
Coarse	FT65EZELC	9.95	6.25
Fine	FT65EZELF	6.65	4.20
Medium	FT65EZELM	8.30	5.20

A207

3M PSA Discs 348D



- Aluminum Oxide - X wt. cloth
- Heavy duty, cloth backed discs for more aggressive applications
- Provides excellent adhesion while removing easily

Dia. (in.)	Grit	Std. Pk.	Order No.	Regular Price	SALE
2	120	200	TM1120907	0.67	0.55
2	50	200	TM1120911	0.79	0.65
2	60	200	TM1120910	0.77	0.60
2	80	200	TM1120909	0.73	0.60
3	100	200	TM1101331	0.81	0.65
3	120	200	TM1101330	0.81	0.65
3	40	200	TM1101335	0.93	0.75
3	50	200	TM1101334	0.91	0.75
3	60	200	TM1101333	0.87	0.70
3	80	200	TM1101332	0.84	0.65
5	100	250	TM1120886	1.08	0.85
5	120	250	TM1120885	1.08	0.85
5	150	250	TM1120884	1.08	0.85
5	180	250	TM1120883	1.08	0.85
5	240	250	TM1120881	1.08	0.85
5	36	250	TM1120891	1.40	1.10
5	40	250	TM1120890	1.30	1.05
5	50	250	TM1120889	1.26	1.00
5	60	250	TM1120888	1.19	0.95
5	80	250	TM1120887	1.13	0.90
6	100	250	TM1120876	1.55	1.20
6	120	250	TM1121497	1.55	1.20
6	50	250	TM1120879	1.85	1.45
6	60	250	TM1120878	1.75	1.40
6	80	250	TM1120877	1.65	1.30
8	120	250	TM1120868	2.87	2.25
8	36	250	TM1120874	3.68	2.90
8	40	250	TM1120873	3.49	2.75
8	60	250	TM1120871	3.18	2.50
8	80	250	TM1120870	3.01	2.40
12	100	10	TM1188901	6.39	5.00
12	36	10	TM1188906	8.56	6.70
12	40	10	TM1188905	8.08	6.35
12	50	10	TM1188904	7.39	5.95
12	60	10	TM1188903	7.18	5.60
12	80	10	TM1188902	6.78	5.30
16	36	10	TM1188890	15.74	12.30
16	60	10	TM1188887	13.23	10.35
16	80	10	TM1188886	12.47	9.75
2	36	10	TM1188882	19.95	15.60
2	60	10	TM1188880	16.76	13.10
20	36	10	TM1188878	24.25	18.95
20	40	10	TM1188877	22.90	17.90
20	50	10	TM1188876	21.60	16.90
20	60	10	TM1188875	20.39	15.95
20	80	10	TM1188874	19.22	15.00
24	36	10	TM1120802	34.66	27.10
24	40	10	TM1120801	32.38	25.30
24	80	10	TM1120798	26.65	20.80

A430

CRATEX® 84 Pc. Rubberized Abrasive Kit

Contents Includes:

- (8) Tapered edge wheels No. 2
- (8) Straight wheels No. 44
- (16) Straight wheels No. 74
- (8) Straight wheels No. 86
- (16) Cylinder points No. 6
- (16) Bullet points No. 8
- (8) Bullet points No. 10
- (2) Wheel mandrels No. 3
- (2) Point mandrels No. 4
- Equally assorted in the four Cratex grit textures - C (Coarse), M (Medium), F (Fine), XF (Extra Fine)



Order No.	Regular Price	SALE
MG64777	88.22	75.50

A009

Prices Effective April 1, 2018 Thru June 30, 2018



ABRASIVES



Depressed Center Wheels

Carbo Metal general purpose aluminum oxide wheels

- Aluminum oxide abrasive for general purpose applications
- Economical choice for initial price conscious customers
- Low initial cost per wheel
- Good choice for on-site and small unit jobs

Carbo Gold quality aluminum oxide wheels for cost effective grinding

- Aluminum oxide abrasive and an advanced resin bond
- Fast stock removal
- No burning or vibration
- Great choice for grinding all types of ferrous metals

Gold MaXX for free cutting, premium performance

- Zirconia abrasive blend with a free cutting bond that makes grinding easier
- High performance level; low price
- 30% Longer life than standard aluminum oxide wheels
- Performs well on all ferrous metals from carbon steel to stainless

Premier Red for highest performance and productivity

- Highest productivity; lowest total grinding costs
- Lasts three times as long as aluminum oxide wheels
- Outstanding results grinding stainless and high alloy steels



Dia. (in.)	Thick-ness (in.)	Hole Size (in.)	RPM	Carbo Gold A24 Grit			Carbo Gold Maxx ZA24R			Carbo White A24 Grit			Premier Red Z24 Grit		
				Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
5	1/4	7/8	12200	MG4602846	2.80	2.20	MG4670193	4.50	3.60	-	-	-	MG4602876	7.40	5.90
7	1/4	5/8-11	8500	MG4602854	6.05	4.80	MG4670195	8.90	7.10	MG4661576	5.50	4.40	MG4602883	11.85	9.45
7	1/4	7/8	8500	MG4602853	4.00	3.20	MG4670194	6.90	5.50	MG4661575	3.45	2.75	MG4602881	9.95	7.90
9	1/4	5/8-11	6600	-	-	-	MG4670197	11.80	9.35	MG4661580	8.00	5.80	MG4602889	16.30	12.95
4-1/2	1/4	5/8-11	13300	MG4602843	3.75	3.00	MG4670192	5.50	4.40	MG4661568	2.80	2.20	MG4602873	7.55	6.00
4-1/2	1/4	7/8	13300	MG4602842	2.05	1.60	MG4670191	3.45	2.75	MG4661567	1.75	1.40	MG4602872	5.35	4.25

A383



Quantum 3 Depressed Center Wheels - Type 27

- Operator Comfort: with reduced hand fatigue from less cutting vibration
- Less Grinding Time: with a sharper wheel for highest metal removal and reduced pressure from faster cutting action
- Less Downtime & Waste: with longer wheel life using fewer wheels



Size (in.)	RPM	Order No.	Regular Price	SALE
4-1/2 x 1/4 x 5/8-11	13580	MH60D045070793	10.26	8.50
4-1/2 x 1/4 x 7/8	13580	MH60D045070794	9.08	7.50
5 x 1/4 x 5/8-11	12225	MH60D050070795	11.61	9.60
5 x 1/4 x 7/8	12225	MH60D050070796	10.48	8.65
6 x 1/4 x 5/8-11	10185	MH60D060070797	14.14	11.70
6 x 1/4 x 7/8	10185	MH60D060070798	12.79	10.55
7 x 1/4 x 5/8-11	8600	MH60D070070799	15.01	12.40
7 x 1/4 x 7/8	8600	MH60D070070800	13.41	11.10

A694



Reinforced Toolroom Cut-Off Wheels

- Layers of fiberglass mesh extending from the wheel's center to its periphery, help these wheels withstand lateral stress and rough usage
- Contains premium aluminum oxide with high temperature resin bonds formulated for long life and fast cutting ability
- Package quantity: 25



Size (in.)	Grit	Order No.	Regular Price	SALE
3 x .035 x 1/4	A60-OBNA2	MH60030028573	3.79	3.20
3 x .035 x 3/8	A60-OBNA2	MH60030028574	3.79	3.20
3 x .060 x 1/4	A60-OBNA2	MH60030028471	6.08	3.40
3 x .060 x 3/8	A60-OBNA2	MH60030028552	6.08	3.40
4 x .035 x 3/8	A60-OBNA2	MH60040029621	6.08	5.15
6 x .035 x 1/2	A60-OBNA2	MH60060035053	10.98	9.25
6 x .035 x 5/8	A60-OBNA2	MH60060035054	10.98	9.25
6 x .060 x 1-1/4	A60-OBNA2	MH60060035165	15.07	11.15
6 x .060 x 1/2	A60-OBNA2	MH60060035164	13.18	10.50
7 x .035 x 1-1/4	A60-OBNA2	MH60070038788	15.07	12.50
7 x .035 x 5/8	A60-OBNA2	MH60070038787	15.07	12.40
7 x .060 x 1-1/4	A60-OBNA2	MH60070038796	15.07	12.50
7 x .060 x 5/8	A60-OBNA2	MH60070038811	15.07	12.55
7 x 1/16 x 5/8	57A364-TB25N	MH60070022673	15.07	21.90
8 x .035 x 5/8	A60-OBNA2	MH60080042979	17.02	14.50
8 x .060 x 1-1/4	A60-OBNA2	MH60080042983	17.02	14.50
8 x .060 x 5/8	A60-OBNA2	MH60080042981	17.02	14.50

A368

SURF PRO Wheel Adapters / Cut Off

Wheel Mandrels

- Wheel adapter for use with cut off wheels
- Screw head type is slotted for Quick Change - Holds wheel flush
- Nut type includes arbor, hex nut and washers



Description - Cut-Off Wheel Mandrel Adapter - Screw Head						
Fits Hole (in.)	Shank (in.)	Length (in.)	Washer OD (in.)	Order No.	Regular Price	SALE
1/4	1/4	2.15	3/4	SP24001414SH	6.75	3.25
1/4 or 3/8	1/4	2.15	3/4	SP24143814SH	7.75	3.70
3/8	1/4	2.15	3/4	SP24003814SH	6.75	3.25

Description - Wheel Arbor Adapter - Nut Type						
Fits Hole (in.)	Shank (in.)	Length (in.)	Washer OD (in.)	Order No.	Regular Price	SALE
1/2	1/4	2.50	1-1/2	SP24001214NT	6.95	3.35
1/4	1/4	2.50	1	SP24001414NT	6.40	3.05
3/8	1/4	2.50	1	SP24003814NT	6.40	3.05

A685

SURF PRO Small Diameter Thin

Cut-Off Wheels - Zirconia - Type 1

- Zirconia grain
- High performance for cutting and notching applications
- Use on ferrous metals (iron, steel, welds), stainless steel and high tensile alloys



Size (in.)	Grit	Order No.	Regular Price	SALE
2 x .060 x 1/4	46	SP010200602146Z	3.35	1.55
2 x .060 x 1/4	60	SP010200602160Z	3.35	1.55
2 x .060 x 3/8	46	SP010200603146Z	3.35	1.55
2 x .060 x 3/8	60	SP010200603160Z	3.35	1.55
4 x .060 x 3/8	46	SP010400603146Z	3.25	1.50
4 x .060 x 3/8	60	SP010400603160Z	3.70	1.70
4 x 1/16 x 1/4	46	SP010400622146Z	3.25	1.35
4 x 1/16 x 3/8	46	SP010400623146Z	3.25	1.50

A620



Prices Effective April 1, 2018 Thru June 30, 2018

ABRASIVES



Silicon Carbide Bench Wheels

Features:

- These wheels cover a broad range of general bench grinding jobs
- Each wheel contains a free nested bushing
- For carbide and non-ferrous material



Silicon Carbide Grit Range:

- Medium - 60 grit for roughing of carbide tools
- Fine - 80 grit for all purpose grinding of carbide tools
- Extra Fine - 120 grit for fine finishing of carbide tools

Size (in.) - 6 x 1/2 x 1					
Hardness	RPM	Standard Pack	Order No.	Regular Price	SALE
Extra Fine	4140	1	MH60060036573	27.87	19.30
Fine	4140	1	MH60060036572	27.87	19.30
Medium	4140	1	MH60060036571	27.87	19.30

Size (in.) - 6 x 3/4 x 1					
Hardness	RPM	Standard Pack	Order No.	Regular Price	SALE
Extra Fine	4140	1	MH60060037192	33.19	23.00
Fine	4140	1	MH60060037191	33.19	23.00
Medium	4140	1	MH60060037190	33.19	23.00

Size (in.) - 6 x 1 x 1					
Hardness	RPM	Standard Pack	Order No.	Regular Price	SALE
Extra Fine	4140	1	MH60060037194	38.36	26.55
Fine	4140	1	MH60060037193	38.36	26.55
Medium	4140	1	MH60060037187	38.36	26.55

Size (in.) - 7 x 1 x 1					
Hardness	RPM	Standard Pack	Order No.	Regular Price	SALE
Extra Fine	3600	1	MH60070042302	46.87	32.50
Fine	3600	1	MH60070042301	46.87	32.50
Medium	3600	1	MH60070042300	46.87	32.50

A262



Resin Bond Grinding Wheels

- Type 1

- Aluminum oxide grain
- Fiberglass reinforced
- General purpose grinding applications
- Economical choice for cutting iron, steel, stainless steel and other materials



Size (in.)	Grit	Order No.	Regular Price	SALE
3 x 3/16 x 1/4	24	SP010301872124A	2.15	1.00
3 x 3/16 x 1/4	36	SP010301872136A	4.20	1.90
3 x 3/16 x 1/4	46	SP010301872146A	4.10	1.85
3 x 3/16 x 3/8	24	SP010301873124A	2.15	1.00
3 x 3/16 x 3/8	36	SP010301873136A	4.20	1.90
3 x 3/16 x 3/8	46	SP010301873146A	4.10	1.85
3 x 1/4 x 3/8	24	SP010302503124A	4.30	2.00
3 x 1/4 x 3/8	30	SP010302503136A	4.25	1.95
3 x 1/4 x 3/8	46	SP010302503146A	4.10	1.90
3 x 1/4 x 5/8	24	SP010302505124A	4.30	1.95
3 x 1/4 x 5/8	30	SP010302505136A	4.25	1.95
3 x 1/4 x 5/8	46	SP010302505146A	4.10	1.90
3 x 3/8 x 3/8	24	SP010303753124A	5.85	2.70
3 x 3/8 x 3/8	30	SP010303753136A	5.85	2.70
3 x 3/8 x 3/8	46	SP010303753146A	5.75	2.65
3 x 1/2 x 3/8	24	SP010305003124A	6.25	2.85
3 x 1/2 x 3/8	30	SP010305003136A	7.65	3.50
3 x 1/2 x 3/8	46	SP010305003146A	7.55	3.45
4 x 1/4 x 3/8	24	SP010402503124A	5.85	2.70
4 x 1/4 x 3/8	30	SP010402503136A	5.60	2.55
4 x 1/4 x 3/8	46	SP010402503146A	5.85	2.70
4 x 1/4 x 5/8	24	SP010402505124A	5.85	2.70
4 x 1/4 x 5/8	36	SP010402505136A	5.60	2.55
4 x 1/4 x 5/8	46	SP010402505146A	5.85	2.70

A614



38A White Surface Grinding Wheels

- White Aluminum Oxide Grain
- Outstanding for cool fast cutting action on high speed steels and cast alloy steels
- High Performance vitrified bond for long life
- Balanced to highest industrial standards



Wheel Size (in.)	Grit	Hardness	Order No.	Regular Price	SALE
7 x 1/2 x 1-1/4	46	H	MH60070041023	31.31	25.25
7 x 1/2 x 1-1/4	46	I	MH60070041024	31.31	25.25
7 x 1/2 x 1-1/4	46	J	MH60070041026	31.31	25.25
7 x 1/2 x 1-1/4	60	J	MH60070041038	31.31	25.25
7 x 1/2 x 1-1/4	60	K	MH60070041041	31.31	25.25
8 x 1/2 x 1-1/4	46	H	MH60080043746	37.52	30.25
8 x 1/2 x 1-1/4	46	I	MH60080043749	37.52	30.25
8 x 1/2 x 1-1/4	46	J	MH60080043752	37.52	30.25
8 x 1/2 x 1-1/4	60	I	MH60080043757	37.52	30.25
8 x 1/2 x 1-1/4	60	J	MH60080043858	37.52	30.25
8 x 1/2 x 1-1/4	60	K	MH60080043861	37.52	30.25
10 x 3/4 x 3	60	I	MH60100060163	72.76	56.20
12 x 1 x 5	46	I	MH60120062703	115.57	112.25

A534

SURF PRO® Bench & Pedestal Grinding Wheels - Aluminum Oxide

- Aluminum oxide grain
- Used for general purpose grinding and tool sharpening
- For ferrous metals (carbon steel, steel, iron, forgings, etc)
- Convenient single pack



Size (in.)	Grit	Order No.	Regular Price	SALE
6 x 3/4 x 1	36	SP01063041A0360	24.25	12.55
6 x 3/4 x 1	60	SP01063041A060M	24.25	12.55
6 x 3/4 x 1	80	SP01063041A080M	24.25	12.55
6 x 1 x 1	36	SP01064041A0360	25.00	12.95
6 x 1 x 1	60	SP01064041A060M	25.00	12.95
6 x 1 x 1	80	SP01064041A080M	25.00	12.95
7 x 1 x 1	36	SP01074041A0360	31.40	16.30
7 x 1 x 1	60	SP01074041A060M	31.40	16.30
8 x 1 x 1	36	SP01084041A0360	38.90	20.15
8 x 1 x 1	60	SP01084041A060M	38.90	20.15
8 x 1 x 1	80	SP01084041A080M	38.90	20.15

A589

SURF PRO® Bench & Pedestal Grinding Wheels - Silicon Carbide

- Silicon carbide grain
- Extremely sharp grain for fast, burr-free cutting
- Use on carbide tipped tool, cast and ferrous or non-ferrous metals
- Convenient single pack



Size (in.)	Grit	Order No.	Regular Price	SALE
6 x 3/4 x 1	60	SP01063041G060I	29.25	15.15
6 x 3/4 x 1	80	SP01063041G080I	29.25	15.15
6 x 3/4 x 1	100	SP01063041G100I	29.25	15.15
6 x 1 x 1	60	SP01064041G060I	33.45	17.35
6 x 1 x 1	80	SP01064041G080I	33.45	17.35
6 x 1 x 1	100	SP01064041G100I	33.45	17.35
7 x 1 x 1	60	SP01074041G060I	38.25	19.80
7 x 1 x 1	80	SP01074041G080I	38.25	19.80
8 x 1 x 1-1/4	60	SP01084041G060I	44.35	22.95
8 x 1 x 1-1/4	80	SP01084041G080I	44.35	22.95
8 x 1 x 1-1/4	100	SP01084041G100I	44.35	22.95

A590

ABRASIVES

MERIT Resin Fibre Discs

- These resin fibre discs are made with only the finest grain available
- Specially formulated bonding resins to minimize loading, glazing and grain stripping



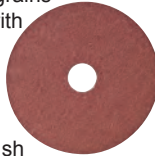
Material - Aluminum Oxide					
Dia. (in.)	Hole Size (in.)	Grit	Order No.	Regular Price	SALE
4-1/2	7/8	36	MM5953306	0.80	0.55
4-1/2	7/8	60	MM5953311	0.85	0.55
4-1/2	7/8	80	MM5953312	0.75	0.55
4-1/2	7/8	120	MM5953314	0.70	0.50
5	7/8	36	MM5957277	0.95	0.65
5	7/8	60	MM5957279	0.90	0.60
5	7/8	80	MM5957280	0.85	0.55
5	7/8	120	MM5957282	0.85	0.55
7	7/8	36	MM5957284	1.65	1.15
7	7/8	60	MM5957286	1.40	1.00
7	7/8	80	MM5957287	1.40	0.95
7	7/8	120	MM5957289	1.30	0.90

Material - Zirconia Alumina					
Dia. (in.)	Hole Size (in.)	Grit	Order No.	Regular Price	SALE
4-1/2	7/8	36	MM5953316	1.50	1.05
4-1/2	7/8	50	MM5953318	1.45	1.00
4-1/2	7/8	60	MM5953319	1.25	0.85
4-1/2	7/8	80	MM5953320	1.15	0.80
5	7/8	36	MM5957291	1.80	1.20
5	7/8	50	MM5957292	1.55	1.05
5	7/8	60	MM5957293	1.45	1.00
5	7/8	80	MM5957294	1.35	0.95
7	7/8	36	MM5957296	2.70	1.85
7	7/8	50	MM5957297	2.55	1.75
7	7/8	60	MM5957298	2.50	1.70
7	7/8	80	MM5957299	2.40	1.65

A377

SURF PRO Resin Fibre Discs

- Excellent economical discs for all shop applications
- Long lasting aluminum oxide and zirconia alumina grains
- These fibre discs feature a full resin bond system with a heavy duty fibre backing for increased strength, durability and tear resistance
- Aluminum oxide versatile abrasive for general purpose applications, X weight cloth back
- Zirconia alumina recommended for removal and finish on ferrous and non-ferrous metals, X weight polyester back



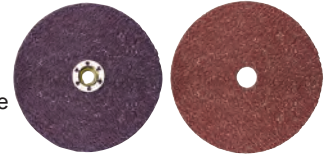
Dia. (in.)	Grit	Aluminum Oxide			Zirconia		
		Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
4-1/2	16	SP11RF45A45016A	0.70	0.45	SP11RF45A45016Z	0.90	0.55
4-1/2	24	SP11RF45A45024A	0.65	0.40	SP11RF45A45024Z	0.80	0.50
4-1/2	36	SP11RF45A45036A	0.60	0.35	SP11RF45A45036Z	0.75	0.50
4-1/2	50	SP11RF45A45050A	0.55	0.35	SP11RF45A45050Z	0.70	0.45
4-1/2	60	SP11RF45A45060A	0.55	0.35	SP11RF45A45060Z	0.65	0.40
4-1/2	80	SP11RF45A45080A	0.50	0.30	SP11RF45A45080Z	0.60	0.35
4-1/2	100	SP11RF45A45100A	0.50	0.30	-	-	-
4-1/2	120	SP11RF45A45120A	0.50	0.30	-	-	-
5	16	SP11RF50A50016A	0.80	0.50	SP11RF50A50016Z	1.05	0.65
5	24	SP11RF50A50024A	0.70	0.45	SP11RF50A50024Z	0.95	0.60
5	36	SP11RF50A50036A	0.70	0.45	SP11RF50A50036Z	0.85	0.55
5	50	SP11RF50A50050A	0.60	0.40	SP11RF50A50050Z	0.75	0.50
5	60	SP11RF50A50060A	0.60	0.35	SP11RF50A50060Z	0.75	0.45
5	80	SP11RF50A50080A	0.55	0.35	SP11RF50A50080Z	0.70	0.45
5	100	SP11RF50A50100A	0.60	0.35	-	-	-
5	120	SP11RF50A50120A	0.60	0.35	-	-	-
7	16	SP11RF70A70016A	1.45	0.90	SP11RF70A70016Z	2.05	1.25
7	24	SP11RF70A70024A	1.30	0.80	SP11RF70A70024Z	1.75	1.10
7	36	SP11RF70A70036A	1.15	0.70	SP11RF70A70036Z	1.60	1.00
7	50	SP11RF70A70050A	1.10	0.70	SP11RF70A70050Z	1.40	0.85
7	60	SP11RF70A70060A	1.05	0.65	SP11RF70A70060Z	1.30	0.80
7	80	SP11RF70A70080A	1.05	0.65	SP11RF70A70080Z	1.25	0.80
7	100	SP11RF70A70100A	1.05	0.65	-	-	-
7	120	SP11RF70A70120A	1.05	0.65	-	-	-

A629

3M Cubitron™ II Fibre Discs 982C

Dare To Wear It Out!

- With the 982C, you get a disc that cuts faster, lasts longer and requires less grinding pressure than conventional abrasives



Dia. (in.)	Hole Size (in.)	Grit	Max RPM	Std. Pkg.	Order No.	Regular Price	SALE
4-1/2	7/8	36+	13300	100	TM1127400	5.09	4.00
4-1/2	7/8	36+	13300	100	TM1127425	5.45	4.30
4-1/2	7/8	60+	13300	100	TM1127631	4.53	3.55
4-1/2	7/8	80+	13300	100	TM1127635	4.25	3.35
4-1/2	TN	60+	13300	100	TM1127639	4.85	3.80
4-1/2	TN	80+	13300	100	TM1127642	4.54	3.55
5	7/8	36+	12000	100	TM1127401	5.09	4.00
5	7/8	60+	12000	100	TM1127632	4.53	3.55
5	7/8	80+	12000	100	TM1127636	4.25	3.35
5	TN	36	12000	100	TM1127404	5.45	4.30
5	TN	60	12000	100	TM1127640	4.85	3.80
5	TN	80	12000	100	TM1127643	4.54	3.55
7	7/8	36+	8600	100	TM1127402	5.87	4.60
7	7/8	60+	8600	100	TM1127633	5.21	4.10
7	7/8	80+	8600	100	TM1127637	4.91	3.85
7	TN	36	8600	100	TM1127405	6.28	4.90
7	TN	60	8600	100	TM1127641	5.57	4.35
7	TN	80	8600	100	TM1127644	5.25	4.10

TN = 5/8-11 Quick Change

A579

3M Roloc™ 2" Quick Change Fibre Discs - 361F

- Aluminum oxide - YR wt. cloth
- General purpose grinding, blending and finishing on all metals
- Roloc TR plastic button
- 50 Pc. standard pack sold in standard pack only



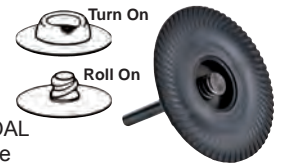
Grit	Max RPM	Order No.	Regular Price	SALE
36	25000	TM1122398	1.07	0.85
50	25000	TM1122399	1.02	0.80
60	25000	TM1122400	0.96	0.75
80	25000	TM1122401	0.93	0.75

Holder: MM59-64922

A510

SURF PRO Air Cooled Quick Change Holder Pads

- Serated pad air cools disc for reduced loading and longer disc life
- Multiple mounting option available
- 1/4-20 Thread x 1/4" Dia. Mandrel, 2" OAL
- 3/8-24 and 5/8-11 adaptor also available



Dia. (in.)	Mount	Order No.	Regular Price	SALE
1-1/2	TR	SP24QCH15TR14SC	10.14	4.65
1-1/2	TS	SP24QCH15TS14SC	10.14	4.65
2	TR	SP24QCH20TR14SC	10.57	4.85
2	TS	SP24QCH20TS14SC	10.57	4.85
3	TS	SP24QCH30TS14SC	11.85	5.45
3	TR	SP24QCH30TR14SC	11.85	5.45
4	TR	SP24QCH40TR14SC	18.96	8.65
4	TS	SP24QCH40TS14SC	18.96	8.65
3/8-24	-	SP24A3824F1420M	17.22	7.90
5/8-11	-	SP24A5811F1420M	18.52	8.45

A644



Prices Effective April 1, 2018 Thru June 30, 2018

ABRASIVES

3M Utility Cloth Shop Rolls

314D

- Aluminum Oxide - J wt. cloth
- Constructed on a durable cloth backing
- Ideal for all utility jobs
- Can be torn into strips and rolled without shelling
- Standard qty. pk - 5



Grade	Length (yds.)	1			1.5			2		
		Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
P80	50	TM1219792	30.16	24.20	TM1219811	42.22	33.85	TM1219823	54.28	43.50
P100	50	-	-	-	-	-	-	TM1219822	51.76	41.50
P120	50	TM1219790	29.15	23.40	TM1219809	40.70	32.65	TM1219821	51.76	41.50
P150	50	TM1219789	29.15	23.40	TM1219808	40.70	32.65	TM1219820	51.76	41.50
P180	50	TM1219788	29.15	23.40	TM1219807	40.70	32.65	TM1219819	51.76	41.50
P220	50	TM1219787	29.15	23.40	TM1219806	40.70	32.65	TM1219818	51.76	41.50
P240	50	TM1219786	29.15	23.40	TM1219805	40.70	32.65	TM1219817	51.76	41.50
P280	50	TM1219785	29.15	23.40	-	-	-	-	-	-
P400	50	TM1219783	29.15	23.40	-	-	-	-	-	-

A516

3M Abrasive Shop Rolls

Ideal for cleaning and deburring metal surfaces.

- Tough & durable P-graded aluminum oxide abrasive
- Flexible cloth backing for shapes & contours
- Can be used dry or with oil
- Easily dispensed from package



Width (in.)	Length	Grit	Order No.	Regular Price	SALE
1	50 Yds	120	MM42100120	32.50	25.50
1	50 Yds	180	MM42100180	32.50	25.50
1	50 Yds	220	MM42100220	32.50	25.50
1	50 Yds	60	MM4210060	39.95	31.35
1	50 Yds	80	MM4210080	33.65	26.40
2	50 Yds	120	MM42200120	57.90	45.45
2	50 Yds	180	MM42200180	57.90	45.45
2	50 Yds	220	MM42200220	57.90	45.45
2	50 Yds	60	MM4220060	71.00	55.70
2	50 Yds	80	MM4220080	59.90	46.95
1-1/2	50 Yds	120	MM42150120	45.60	35.75
1-1/2	50 Yds	180	MM42150180	45.60	35.75
1-1/2	50 Yds	220	MM42150220	45.60	35.75
1-1/2	50 Yds	60	MM4215060	55.80	43.75
1-1/2	50 Yds	80	MM4215080	47.10	36.95

A108

3M Wetordry™ Sheets

- Construction reduces clogging, helps eliminate dust, extends abrasive life and improves finish - silicon carbide



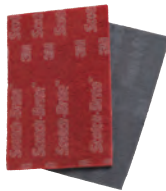
Style - A Weight					
Size (in.)	Grit	Package Qty.	Order No.	Regular Price	SALE
9 x 11	220A	5	TM1202007	1.32	1.05
9 x 11	240A	5	TM1202006	1.32	1.05
9 x 11	280A	5	TM1202005	1.32	1.05
9 x 11	320A	5	TM1202004	1.32	1.05
9 x 11	360A	5	TM1202003	1.32	1.05
9 x 11	400A	5	TM1202002	1.32	1.05

Style - C Weight					
Size (in.)	Grit	Package Qty.	Order No.	Regular Price	SALE
9 x 11	100	5	TM1202017	1.59	1.30
9 x 11	120	5	TM1202016	1.40	1.10
9 x 11	150	5	TM1202015	1.28	1.05
9 x 11	180	5	TM1202014	1.21	1.00
9 x 11	80	5	TM1202018	1.82	1.45

A418

3M Scotch-Brite™ 7447 PRO & 7448 PRO

- Breakthrough fiber coating technology allows Scotch-Brite™ 7447/7448 PRO to cut faster and produce a more consistent scratch



Size (in.)	Grade	Style	Description	Order No.	Regular Price	SALE
6 x 9	A VFN	7447 PRO	Hand Pad	TM2264926	1.74	1.15
6 x 9	S ULF	7448 PRO	Hand Pad	TM2264935	1.74	1.15
6 x 9	ULF	7447 & 7448 PRO	Hand Pad	TM2264933	5.07	3.35
5	A VFN	7447 PRO	Disc	TM2164959	2.08	1.65
6	A VFN	7447 PRO	Disc	TM2164960	2.78	2.25

A683

CGW Polishing Compound

- Compound will not discolor metals
- White SS51 (1200 Grit) compound helps buff aluminum, steel, stainless and natural stone to the desired finish without adding scratches
- High gloss

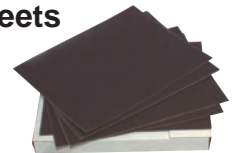


Grit	Order No.	Regular Price	SALE
1200	MG9049652	8.80	5.45

A687

SURF PRO® 9" x 11" Wet or Dry Silicon Carbide Finishing Paper Sheets

- 60 Grit thru 180 grit C-weight
- 220 Grit and finer A-weight



Grit	Order No.	Regular Price	SALE
60	SP12S911060S	0.70	0.45
80	SP12S911080S	0.70	0.40
120	SP12S911120S	0.65	0.40
150	SP12S911150S	0.60	0.35
180	SP12S911180S	0.50	0.30
220	SP12S911220S	0.50	0.30
240	SP12S911240S	0.50	0.30
280	SP12S911280S	0.50	0.30
320	SP12S911320S	0.50	0.30
360	SP12S911360S	0.50	0.30
400	SP12S911400S	0.50	0.30
500	SP12S911500S	0.50	0.30
600	SP12S911600S	0.50	0.30
1000	SP12S9111000S	0.50	0.30

A553

Prices Effective April 1, 2018 Thru June 30, 2018

POWER TOOLS

Milwaukee M18™ Compact 1/2" Drill Driver Kit

- Robust design combined with rare earth magnets for longer life
- Compact design allows greater accessibility in tight work spaces
- All metal gear case and chuck provides maximum impact and shock durability
- REDLINK™ Intelligence: advanced overload protects the tool against abusive situations and provides maximum life
- M18™ REDLITHIUM™ battery
- HAZ05
- 2 Year battery warranty
- 5 Year tool warranty



Model No.	Max. Torque (in/lbs)	RPM	Voltage	Order No.	Regular Price	SALE
26066CT	500 in/lbs	0-400/ 0-1,800	18V	PD50260622CT	282.70	243.95

PT880

Milwaukee M12 12-Volt Lithium-Ion Cordless Rotary Tool Kit

- 12 Volt REDLITHIUM battery charges within 30 minutes HAZ05
- Click and set on/off switch for precise speed selection
- Compact, lightweight design allows you to work comfortably in tight spaces
- REDLITHIUM offers 40% more run time, 20% more speed and torque, fade-free power, operates down to 0/-18, runs 20%



Model No.	RPM	Set Includes	Order No.	Regular Price	SALE
2460-21	32000	2460-20 M12 cordless lithium-ion rotary tool, 48-11-2401 M12 REDLITHIUM battery, 48-59-2401 M12 lithium-ion charger, cutting wheels, mandrel, wrench, carrying case	PD50246021	158.17	136.50

PT881

DREMEL® 7000-N/5 Cordless Rotary Tool

- Designed for drilling, sanding, shaping, detailing and other light-duty jobs
- Uses standard AA alkaline batteries to eliminate the need for a battery charger
- Battery charge time: 3 hours
- Can be used with most Dremel rotary tool accessories with up to a 1/8 In. shank diameter
- Ideal performance for small craft projects
- Cordless—goes anywhere. No electrical outlet required
- Two-speed simplicity is ideal for variety of materials



Order No.	Regular Price	SALE
PH507000N5	36.10	28.35

PT856

DEWALT 1/2" Cordless 18 Volt XRP™ Drill/Driver Kit

- 18 Volt XRP™ extended run-time batteries provide long run-time and battery life
- Patented 3-speed all metal transmission
- Heavy duty 1/2" ratcheting chuck
- LED worklight
- High power, high efficiency motor delivers 450 unit watts out of max power for superior performance in all drilling and fastening applications
- Best in class length for improved balance and better control



Order No.	Regular Price	SALE
PD20DCD940KX	469.75	405.30

PT541

metabo® 2 Speed Variable Temperature Heat Gun

- Double insulation Variospeed (V) electronics
- Powerful motor with double fan for sustained power, even under heavy loads in continuous use
- Easy to clean air filter
- Air flow and temperature are easily adjusted with one hand
- Air flow 8.5/15.9 CFPM
- Rated input watts: 1400
- Air temperature: 572/932°F
- Tool weight: 2.0 lbs



Order No.	Regular Price	SALE
PD35H1600	93.75	81.70

PT399

STEINEL UltraHEAT™ SV750 High Output Blower

- Self cooling output tube
- Adjustable air baffles
- Slide switch with cool air stage
- Removable stand
- Double insulated
- Temperature range: 750°F - 1000°F (399°C - 538°C)
- Voltage: 120VAC / 60Hz output: 1750 watt
- 1 Year limited warranty



Order No.	Regular Price	SALE
PD5534075	106.10	87.40

PT458

DREMEL® Saw-Max™ Tool Kit

- Powerful 6 Amp motor – easily tackles the toughest applications
- Versatile cutting system – for cutting a variety of materials including wood, plastic, metal, tile and masonry
- Worm drive™ gearing – for durability and power
- Excellent line of sight for precise, confident cuts



Order No.	Regular Price	SALE
PH50SM2002	211.60	165.95

PT859

Prices Effective April 1, 2018 Thru June 30, 2018

POWER TOOLS

DEWALT Reciprocating Saws



Features	No Load Speed	Motor	Stroke	Order No.	Regular Price	SALE
4 Position keyless lever action blade clamp, variable speed trigger	0-2900 SPM	12 Amps	1-1/8"	PD20DWE305	178.15	153.75
Compact and lightweight design; 14.5" in total length fits between studs and allows user to make cuts in confined spaces	0-3000 SPM	12 Amps	1-1/8"	PD20DWE357	174.70	150.75

PT871

Hougen Portable Magnetic Drill

Whether you are making holes onsite, in fabrication or factory applications, Hougen Rotabroach Annular Cutters, Portable Magnetic Drills can help you be more productive and profitable by getting the job done faster and with greater accuracy.



Drill Cap.	Mount	Strength 1" Plate	Watts/HP	Dim.	Base	Motor	Order No.	Regular Price	SALE
7/16 - 1-1/2" (12mm-38mm)/ 2" (50mm)	Rotabroach "12,000 Series" 3/4" Shank	Dead Lift 1680 lbs/Drillpoint Breakaway 900 lbs	120V, 50/60 Hz 8A, 960W	16-3/8" H x 7-3/16" W x 8-1/4" L	3-1/8" W x 6-9/16" L	7.2A, 450 RPM	FZ80HMD904	995.00	988.45

PT536

Chicago Pneumatic Air Powered Drills - 3/8" Chuck



CP9285



CP879

Description/Features	Type	Free Speed RPM	Average Air Consumption	Air Inlet Size	Spindle Thread	Exhaust Type	Order No.	Regular Price	SALE
Lightweight easy to use, triple idler planetary gears, double ball bearing supported spindle, teasing throttle	Pistol Grip, Non-Reversible	2900	5.25 CFM	1/4 NPT	3/8-24	Handle	PF50CP9285	143.95	124.05
Variable speed type motor, teasing throttle, industrial quality chuck	Right Angle, Reversible	1800	5.25 CFM	1/4 NPT	3/8-24	Handle	PF50CP879	151.50	130.55

PT425

AIRCAT 6" Air Powered Palm Orbital Sanders



Features	Disc Dia.	Free Speed RPM	Average Air Consumption	Air Inlet Size	Spindle Thread	Order No.	Regular Price	SALE
10,000 RPM, 3/16" (2.5 mm) Orbit, Low weight (2.3 lbs) and low air consumption (2.5 CFM average), Lubrication free air motor with patented double sealing to prevent dust contamination, Isolated motor design reduces vibration to 1.8 m/sec, Internal silencing system reduces noise level to 82 dBA, Built-in thumb operated speed regulator for instant control, Rubberized comfort palm grip, Low profile only 3-3/4" high	6	10000	2.5 CFM	1/4 NPT	5/16 - 24	PF546310	170.00	106.70

PT868

DREMEL EZ Lock™ EZ Drum™ Kit

- EZ Lock™ mandrel and EZ Drum™ mandrel for faster accessory changes
- Reusable storage box
- Application and material usage information included
- The kit features 18 EZ Lock sanding and grinding accessories and includes one EZ Lock™ mandrel, one EZ Drum™ mandrel, 6 sanding discs, 1 grinding wheel, 2 grinding stones, 6 sanding bands, and 1 abrasive buff



Order No.	Regular Price	SALE
PH50EZ68601	26.50	20.80

PT866

Air Supreme® Right Angle Grinder Surface Prep Kit

Kit Includes:

- 20,000 RPM right angle die grinder
- 2" & 3" Conditioning discs
- 2" & 3" Roll on holders
- 1/8" Collet & 1/4" collet
- 10 Pc. stone assortment



Order No.	Regular Price	SALE
PJ752010	113.65	62.35

PT192

Prices Effective April 1, 2018 Thru June 30, 2018

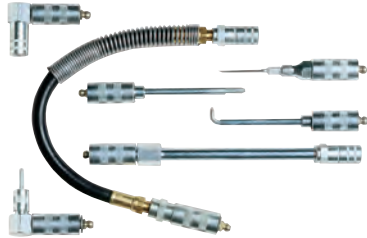
POWER TOOLS

Legacy Lubelink™ Grease Accessories

- Designed for general purpose, automotive and for heavy duty contractor lubricating jobs.
- Durable carrying case supplied
- Each accessory has a dedicated compartment so the kit can be easily sight checked for missing accessories.

Kit Includes:

- 12" Steel braid rubber grease hose with spring guard and 4-jaw coupler
- Hypodermic type grease injector needle with quick-connect coupler
- 3" Straight needlepoint coupler
- 90° 3" straight needlepoint coupler
- Right angle needlepoint coupler
- Low profile right angle coupler
- 8" Push-on type coupler



Order No.	Regular Price	SALE
LX55L2550	154.00	96.65

PT401

Snap-on INDUSTRIAL BRANDS | BAHCO Reciprocating Saw Blade Set

10 Pc. set contains:

- (2) 4" Straight blades, 24T, 6T;
- (2) 4" Contour blades, 10T and 18T;
- (1) 6" Sloped blade, 5/8T;
- (4) 6" Straight blades, 10T, 14T, 18T and 24T;
- (1) 6" Sloped wood cutting blade 7T



Order No.	Regular Price	SALE
FX848247041	32.65	18.40

PT358

Snap-on INDUSTRIAL BRANDS | BAHCO Bandsaw Blade

Tensionmeter

- Designed for easy, accurate measurement of the tension of all bandsaws
- Proper blade tension is necessary for straight cuts and long blade life



Order No.	Regular Price	SALE
FX848145637	306.00	216.00

PT417

GENERAL Precision Drill Guide

- General's drill guide with your portable electric drill brings press accuracy and versatility to handheld drilling jobs
- Drills accurate right angled or variable angled holes w/built-in protractor scale
- Adjusts to 45° angle in either direction of vertical drill position
- Portable and lightweight; folds flat for toolbox storage
- Built in depth stop
- Slide lock for sanding and buffing applications
- Anchoring pins hold the guide securely in place on flat surfaces, narrow edges, or large tubing
- V-groove for positioning round stock, pipe or tubing
- Use with 3/8" and 1/2" portable electric drills (not included) with 3/8-24 threaded shaft
- Complete set No. 36/37 includes chuck, key and adapter No. 37



Order No.	Regular Price	SALE
NE503637	56.50	39.90

PT478

Milwaukee Sawzall® Metal Cutting Blades

- 5 Piece package



Length (in.)	TPI	Recommended For Cutting	Order No.	Regular Price	SALE
6	24	Metal and pipe, 18 gauge and under metal, trim, tubing	PD5048005786	16.37	14.15
3-5/8	14	Metal Scroll - Heavy gauge metal, hard rubber, fiber	PD5048011162	12.00	11.55
3-5/8	18	Metal Scroll - Metal thinner than 1/8" thick	PD5048011163	12.00	11.55

PT241

COILHOSE PNEUMATICS Industrial Air Interchange Couplers & Connectors

15 Series

- A drag guard protects the sliding sleeve from being snagged or uncoupled
- Six stainless steel locking balls provide greater surface contact with the connector for a more balanced & secure connection
- All 1/4" body couplers are brass

Description - Female Thread - 1/4" Body Size Type - Interchange Connector			
Thread Size	Order No.	Regular Price	SALE
1/4 FPT	LX501502	1.30	0.90
3/8 FPT	LX501505	2.55	1.80



Description - Female Thread - 1/4" Body Size Type - Interchange Coupler			
Thread Size	Order No.	Regular Price	SALE
1/4 FPT	LX50150	5.60	3.95
3/8 FPT	LX50151	7.25	5.15



Description - Male Thread - 1/4" Body Size Type - Interchange Connector			
Thread Size	Order No.	Regular Price	SALE
1/4 MPT	LX501501	1.20	0.85
3/8 MPT	LX501503	2.25	1.60



Description - Male Thread - 1/4" Body Size Type - Interchange Coupler			
Thread Size	Order No.	Regular Price	SALE
1/4 MPT	LX50152	5.80	4.10
3/8 MPT	LX50155	7.45	5.30



PT485



Prices Effective April 1, 2018 Thru June 30, 2018

POWER TOOLS

GUARDAIR. Long Series Air Guns

- 1/4" NPT inlet
- Maximum operating pressure 120 PSI
- Ideal for reaching inaccessible or difficult to reach locations
- Meets OSHA standards
- UPS dimensional weight shipping rates apply



Blo-Hard Safety Air Gun - Model 900LJ compact, thumb lever operated air gun fits comfortably in the palm of the hand
Long John® Safety Air Gun - Model 75LJ venturi tip increases thrust & limits static pressure to less than 30 psi when tip is blocked
Whisper Jet® Air Gun - Model 80LJ operates 6-20 dB quieter than conventional air guns

Size (in.)	Blo-Hard Air Blow Gun			Long John® Air Blow Gun			Whisper Jet® Air Blow Gun		
	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
6	LW55900LJ6	24.31	22.90	LW5575LJ6	27.85	25.55	LW5580LJ6	29.96	28.20
12	LW55900LJ12	25.39	23.30	LW5575LJ12	29.20	26.80	LW5580LJ12	31.31	28.70
18	LW55900LJ18	26.47	24.30	LW5575LJ18	30.55	28.05	LW5580LJ18	32.66	30.75
24	LW55900LJ24	27.55	25.30	LW5575LJ24	31.91	30.05	LW5580LJ24	34.01	32.00
36	LW55900LJ36	29.72	27.25	LW5575LJ36	34.61	32.60	LW5580LJ36	36.72	33.70
48	LW55900LJ48	31.88	30.00	LW5575LJ48	37.32	34.25	LW5580LJ48	39.42	37.10
60	LW55900LJ60	34.04	31.20	LW5575LJ60	40.02	36.70	LW5580LJ60	42.13	39.65
72	LW55900LJ72	36.20	33.20	LW5575LJ72	42.72	39.20	LW5580LJ72	44.83	42.20

PT375

GUARDAIR. Whisper Jet Blow Gun

- Quietest safety air gun available
- Unique nozzle design
- Solid conical tip
- Ergonomic pistol grip and trigger
- 1/4 NPT inlet. maximum opening pressure 150 PSI
- Meets OSHA standards



MADE IN THE USA

PT169

Order No.	Regular Price	SALE
LW5580WJ	23.45	21.50

Air Supreme® Red Rubber Air Hose

- 80% the weight of traditional red rubber hoses
- Ozone resistant cover provides protection from extreme weather, abrasions & kinks
- Resists mild grease, oil & diesel
- Constructed with high strength polyester braided reinforcement
- Flexibility in extreme conditions from -40 degrees F to 190 degrees F
- 4 finger grip bend restrictor for better ergonomics
- 300PSI



Hose ID (in.)	Length	Fitting Size	Order No.	Regular Price	SALE
1/4	50'	1/4 NPT	PJ72A14050AH	21.70	17.35
1/4	100'	1/4 NPT	PJ72A14100AH	56.00	44.80
3/8	25'	1/4 NPT	PJ72A38025AH	21.55	17.25
3/8	50'	1/4 NPT	PJ72A38050AH	40.55	32.45
3/8	100'	1/4 NPT	PJ72A38100AH	77.20	61.75
1/2	25'	1/2 NPT	PJ72A12025AH	30.50	24.40
1/2	50'	1/2 NPT	PJ72A12050AH	56.25	45.00
1/2	100'	1/2 NPT	PJ72A12100AH	106.85	85.50

PT875

REELCRAFT Hose Reels

- All steel construction
- Compact design
- Automatic spring retractable
- Extends hose life
- Durable baked-on powder coat finish
- Suitable for air and water applications
- Full flow shaft and swivel
- Multi-position guide arm allows for mounting on either floor, wall, ceiling, bench or in pit
- Improves safety, convenience and productivity
- Pos-I-Latch mechanism automatically maintains desired working length of hose
- All reels are permanently factory lubricated
- Heavy duty brackets to eliminate bending due to angular hose pull
- 300 PSI maximum
- Hose included
- UPS dimensional weight shipping rates apply

MADE IN THE USA



PT428

Hose ID (in.)	Length	Hose OD	Size (in.)	Order No.	Regular Price	SALE
1/4	35'	.500	12-5/8 x 5-3/8 x 12-7/8	LT7044350LP	209.00	184.25
3/8	25'	.640	12-5/8 x 5-3/8 x 12-7/8	LT7046250LP	216.00	190.40
3/8	35'	.640	13-3/4 x 6 x 14-1/2	LT7056350LP	261.00	230.10
3/8	50'	.640	16-1/2 x 6 x 17-1/2	LT7056500LP	315.00	277.70
3/8	50'	.688	19 x 7 x 20-1/4	LT7076500LP	392.00	345.55
3/8	70'	.688	19 x 7 x 20-1/4	LT7076700LP	415.00	365.85
1/2	25'	.781	13-3/4 x 6 x 14-1/2	LT7058250LP	281.00	247.70
1/2	50'	.844	19 x 7 x 20-1/4	LT7078500LP	406.00	357.90

Air Supreme® Retractable Air Hose Reels

- Heavy duty steel construction
- 12-Point ratchet for better resolution
- Horizontal and vertical mount options
- Adjustable guide arm
- Powder coated, corrosion resistant



Size	Order No.	Regular Price	SALE
1/2" X 50'	PJ72A12050AHR	187.30	149.85
1/2" X 50'	PJ72B12050AHR	195.10	155.25
1/2" X 50'	PJ72BO12050AHR	218.55	174.00
1/4" x 50'	PJ72A38050AHR	165.10	132.10
1/4" x 50'	PJ72B38050AHR	171.65	137.40
1/4" x 50'	PJ72BO38050AHR	198.20	157.70

PT876

Prices Effective April 1, 2018 Thru June 30, 2018

51

WORKHOLDING

TECO Studs for T-Slot Work

- Tensile 125,000 PSI
- Yield 100,000 PSI
- Black oxide finish
- Medium carbon steel
- † Items Do Not Have Flats on Studs



TECO T-Slot Nuts



- Case hardened
- Black oxide finish
- Last thread incomplete to prevent stud from turning through bottom of nut into machine table
- T-Slot Nuts are undersized to fit machine table slot



Thread Size	OAL (in.)	A (in.)	B (in.)	Order No.	Regular Price	SALE
1/2-13	2	3/4	3/4	SG5040702†	1.55	1.30
1/2-13	2-1/2	1	1	SG5040703†	1.65	1.40
1/2-13	3	1	1	SG5040704	1.55	1.30
1/2-13	3-1/2	1-1/4	1-1/4	SG5040705	1.65	1.40
1/2-13	4	1-1/2	1-1/2	SG5040706	1.65	1.40
1/2-13	5	1-1/2	1-1/2	SG5040708	1.75	1.40
1/2-13	6	1-1/2	1-1/2	SG5040710	1.80	1.50
1/2-13	7	1-1/2	1-1/2	SG5040712	2.00	1.60
1/2-13	8	1-1/2	1-1/2	SG5040714	2.20	1.80
1/2-13	9	1-1/2	1-1/2	SG5040715	4.15	3.40
1/2-13	10	1-1/2	1-1/2	SG5040716	4.60	3.70
1/2-13	12	1-1/2	1-1/2	SG5040717	5.70	4.60
5/8-11	4	1-5/8	1-5/8	SG5040806	2.15	1.80
5/8-11	4-1/2	1-3/4	1-3/4	SG5040807	2.20	1.80
5/8-11	5	1-3/4	1-3/4	SG5040808	2.40	2.00
5/8-11	5-1/2	1-3/4	1-3/4	SG5040809	2.45	2.00
5/8-11	6	1-3/4	1-3/4	SG5040810	2.55	2.10
5/8-11	6-1/2	1-3/4	1-3/4	SG5040811	2.65	2.20
5/8-11	7	1-3/4	1-3/4	SG5040812	2.85	2.30
5/8-11	7-1/2	1-3/4	1-3/4	SG5040813	3.10	2.50
5/8-11	8	1-3/4	1-3/4	SG5040814	3.10	2.50
5/8-11	9	1-3/4	1-3/4	SG5040815	5.25	4.20
5/8-11	10	1-3/4	1-3/4	SG5040816	5.75	4.60
5/8-11	12	1-3/4	1-3/4	SG5040817	6.40	5.20
5/8-11	14	1-3/4	1-3/4	SG5040818	7.40	6.00
5/8-11	16	1-3/4	1-3/4	SG5040819	8.50	6.80
3/4-10	4	1-1/2	1-1/2	SG5040903	2.75	2.20
3/4-10	4-1/2	1-3/4	1-3/4	SG5040904	3.05	2.50
3/4-10	5	2	2	SG5040905	3.10	2.50
3/4-10	5-1/2	2	2	SG5040906	3.35	2.70
3/4-10	6	2	2	SG5040907	3.35	2.70
3/4-10	6-1/2	2	2	SG5040908	3.65	3.00
3/4-10	7	2	2	SG5040909	3.70	3.00
3/4-10	8	2	2	SG5040911	4.00	3.20
3/4-10	9	2	2	SG5040912	7.20	5.80
3/4-10	10	2	2	SG5040913	7.75	6.20

WH362

IRWIN QUICKGRIP C-Clamps

- Double-rolled thread for faster clamping and increased durability
- Larger swivel pad reduces marring on work surface and increases stability
- Larger handle for greater clamping pressure with less effort and reduced hand fatigue



Max. Opening (in.)	Throat Depth (in.)	Spindle Dia. (in.)	Clamping Pressure	Order No.	Regular Price	SALE
1	1-3/16	1/4	400 lbs	KX50101	2.15	1.90
2	1-5/16	3/8	500 lbs	KX50102	3.05	2.60
2	3-1/2	3/8	400 lbs	KX50123	9.75	8.30
3	2-1/4	1/2	800 lbs	KX50103	6.30	5.40
3	4-1/2	1/2	400 lbs	KX50134	14.50	12.40
4	3	9/16	1200 lbs	KX50104	10.75	9.20
6	3-1/2	5/8	1500 lbs	KX50106	16.30	13.90
8	4	3/4	1500 lbs	KX50108	23.40	19.90

WH360

WILN High Visibility Safety Vises

- 30,000 PSI Ductile Iron Body for Rugged use and Extended Life
- Grease is permanently Sealed in for trouble-free service
- Hi-Visibility Yellow conforms to OSHA standards
- Hardened steel pipe jaws



Jaw Width (in.)	Jaw Opening (in.)	Weight	Pipe Capacity (in.)	Order No.	Regular Price	SALE
5	5-1/4	49.4 lbs	1/4 - 2-1/2	HZ401550	360.00	288.00
6	5-3/4	63.65 lbs	1/4 - 3-1/2	HZ401560	470.00	376.00

WH312

Table Slot Size (in.)	Thread Size	Table Slot Size Metric	Overall Height (in.)	Flange Height (in.)	Length (in.)	Width (in.)	Order No.	Regular Price	SALE
5/16	1/4-20	8mm	1/4	3/16	9/16	9/16	SG5041401	2.85	2.30
3/8	5/16-18	10mm	3/8	1/4	7/8	5/8	SG5041403	2.30	1.90
7/16	3/8-16	12mm	1/2	7/32	7/8	11/16	SG5041404	2.30	1.90
1/2	3/8-16	12mm	1/2	9/32	7/8	7/8	SG5041405	2.30	1.90
3/4	5/8-11	20mm	3/4	15/32	1-1/4	1-1/4	SG5041416	3.35	2.70
9/16	3/8-16	15mm	5/8	11/32	1-1/8	7/8	SG5041406	2.55	2.10
9/16	1/2-13	15mm	5/8	11/32	1-1/8	7/8	SG5041409	2.70	2.20
5/8	1/2-13	16mm	5/8	11/32	1-1/8	1	SG5041410	2.90	2.40
5/8	1/2-13	16mm	3/4	3/8	1-1/8	1-1/8	SG5041411	3.95	3.20
11/16	1/2-13	18mm	3/4	7/16	1-1/4	1-1/8	SG5041412	3.15	2.60
11/16	5/8-11	18mm	3/4	7/16	1-1/4	1-1/8	SG5041415	3.20	2.60
3/4	1/2-13	20mm	3/4	15/32	1-1/4	1-1/4	SG5041413	4.30	3.50
13/16	5/8-11	21mm	1	9/16	1-1/2	1-1/4	SG5041417	5.00	4.00
13/16	3/4-10	21mm	1	9/16	1-1/2	1-1/4	SG5041418	5.30	4.30
7/8	3/4-10	23mm	1	9/16	1-1/2	1-1/2	SG5041419	5.95	4.80
1	3/4-10	26mm	1	5/8	1-3/4	1-5/8	SG5041420	6.75	5.40
1	3/4-10	26mm	1-1/2	3/4	1-3/4	1-3/4	SG5041421	11.55	9.30
1	7/8-9	26mm	1	5/8	1-3/4	1-5/8	SG5041423	7.80	6.30
1-1/16	3/4-10	27mm	1-1/8	11/16	2	1-5/8	SG5041422	9.00	7.20
1-1/16	7/8-9	27mm	1-1/8	11/16	2	1-5/8	SG5041424	12.95	10.40
1-1/16	1-8	27mm	1-1/8	11/16	2	1-5/8	SG5041426	8.85	7.10
1-1/8	7/8-9	29mm	1-1/2	3/4	2	1-3/4	SG5041425	13.90	11.20
1-1/8	1-8	29mm	1-1/2	3/4	2	1-3/4	SG5041427	9.35	7.50
1-1/4	1-8	32mm	1-1/4	7/8	2	2	SG5041428	19.90	16.00

WH365

TECO 6" Single Station Vise

- Up to 8200 lbs of clamping force
- Bed height matched to size 2.875" +/-0.0005"
- Repeatability within 0.001"
- Hardened vise bed and jaw plates
- Outside rail edges of the body are machined
- Sealed bearing system reduces clamping pressure and increases bearing life
- Stationary jaw has machine keyway for alignment of the vise and includes alignment rail for quick setups
- Footprint and distance from keyway to stationary jaw



Model No.	Jaw Opening	Jaw Width	Jaw Depth	Jaw Height	Vise Height	Ship Weight	Order No.	Regular Price	SALE
PWS-6900	9	5.94	4.85	1.50	4.375	82 lbs	HT65PWS6900	510.55	459.50
PWS-8110	11	8	5.75	2.20	5.275	-	HT65PWS8110	1465.00	1318.50

WH685

BESSLY Industrial Bench Vise

- 90,000 PSI Drop forged alloy steel construction for top performance, moveable jaw, stationary jaw & base
- Perfect parallel jaw design for secure clamping
- Precision ground & induction hardened jaws & anvil for dependability & long life, HRC 52-58
- Long length alloy steel spindle handle for fast, high force clamping
- Long length alloy steel swivel base locking handles (2) for fast, easy, high force clamping of swivel base
- 360 Degree rotation drop forged alloy steel swivel base for versatile positioning of parts



Model No.	Jaw Width (in.)	Jaw Opening (in.)	Throat Depth (in.)	Pipe Capacity (in.)	OAL (LxWxH) (in.)	Weight	Order No.	Regular Price	SALE
BV-DF4SB	4	4-1/4	2-3/8	1/4-3	12 x 7 x 5-1/2	14 lbs	SG75BVD4SB	432.51	367.30
BV-DF5SB	5	6-1/2	3	1/4-3	15 x 8-1/4 x 6-3/4	25 lbs	SG75BVD5SB	528.64	448.90
BV-DF6SB	6	7	4	1/4-5	19 x 10 x 8-3/4	49 lbs	SG75BVD6SB	624.76	530.50
BV-DF8SB	8	10	4-1/8	1/4-6	23-3/4 x 10-3/4 x 9-1/2	73 lbs	SG75BVD8SB	1038.69	882.00

WH694



Prices Effective April 1, 2018 Thru June 30, 2018

WORKHOLDING

PARLEC Rigid and Tension & Compression Tapping Holders

- For use with popular Bilz style size and adapters
- Utilizes existing adapter inventory
- Rigid and tension-only shank available for use with synchronous tapping cycles
- Radial float improves thread quality and tap life
- Short projection maximizes workpiece size
- Adjustable short compression stroke ensures accurate depth control
- Free-floating tension stroke ensures thread size and quality
- Rugged alloy steel construction long trouble-free service life
- Coolant through up to 250 lbs. pressure



PARLEC Tap Adapters

- **Rigid:** Best suited for through holes and in applications where tap breakage is not a concern.
- **Torque Control:** Torque Control Adapters are the best solution for protecting your taps and work pieces from tap breakage. The prime application for Torque Control Adapters is Blind Hole Tapping and where Chip Evacuation is a concern.



Type - V Flange Rigid Tapping Holder							
Tap Range	Nose Dia.	Gage Length	Adaptor Size	Shank Size	Order No.	Regular Price	SALE
0 - 9/16	1.39	3.15	1	CAT50	GM92C5010TR3C	397.00	377.20
0 - 9/16	1.39	3.96	1	CAT40	GM92C4010TR3C	385.00	365.80
1/4 - 7/8	2.18	3.86	2	CAT40	GM92C4020TR4C	446.00	423.70
1/4 - 7/8	2.18	4.25	2	CAT50	GM92C5020TR4C	459.00	436.10
9/16 - 1-3/8	3.29	5.65	3	CAT50	GM92C5030FS5C	573.00	544.40
9/16 - 1-3/8	3.29	6.46	3	CAT40	GM92C4030FS5C	520.00	494.00

Type - V Flange Tension & Compression Tapping Holder							
Tap Range	Nose Dia.	Gage Length	Adaptor Size	Shank Size	Order No.	Regular Price	SALE
0 - 9/16	1.39	3.15	1	CAT50	GM92C5010TA3C	427.00	405.70
0 - 9/16	1.39	3.96	1	CAT40	GM92C4010TA3C	414.00	393.30
1/4 - 7/8	2.18	4.25	2	CAT50	GM92C5020TA4C	489.00	464.60
1/4 - 7/8	2.18	5.06	2	CAT40	GM92C4020TA4C	475.00	451.30
9/16 - 1-3/8	3.29	5.65	3	CAT50	GM92C5030TA5C	573.00	544.40

WH807

Adaptor Size - 1							
Tap Range (Fractional)	Tap Range (Metric)	Rigid Positive Tap Adaptor			Tension & Compression Tap Adaptors		
		Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
#6	M1.6-M3.5	GM921006	52.00	50.00	GM9210T06	103.00	99.00
#8	M4	GM92108	52.00	50.00	GM9210T8	103.00	99.00
#10	M4.5, M5	GM921010	52.00	50.00	GM9210T10	103.00	99.00
#12	-	GM921012	52.00	50.00	GM9210T12	103.00	99.00
1/4	M6, M6.3	GM9210025	52.00	50.00	GM9210T025	103.00	99.00
5/16	M7, M8	GM9210031	52.00	50.00	GM9210T031	103.00	99.00
3/8	M10	GM9210037	52.00	50.00	GM9210T037	103.00	99.00
7/16	M11	GM9210043	52.00	50.00	GM9210T043	103.00	99.00
1/2	M12, M12.5	GM9210050	52.00	50.00	GM9210T050	103.00	99.00
9/16	M14	GM9210056	52.00	50.00	GM9210T056	103.00	99.00
1/8 NPT	-	GM9210012N	52.00	50.00	GM9210T012N	103.00	99.00

DORIAN Precision & Heavy Duty Live Centers with .00007" Max. Runout

Finally, A Live Center With Taper Roller Bearings!!!

Taper bearings are used in the design of lathe headstocks to support the spindle. They are the most heavy-duty bearing type to support radial and axial forces.

Features:

- Precision Concentricity of .00007 Max. Runout
- Heavy Duty Precision Quad Bearings
- Bearings Permanently Lubricated
- Heat-Treated (62 HRC) & Precision Ground
- High-Tensile Strength Alloy Steel



Type - Heavy Duty Live Center						
Morse Taper	Max. RPM	Max. Workpiece Weight (lbs)	Thrust Load	Order No.	Regular Price	SALE
2 MT	7500	506	1012 lbs	GG3548206	415.71	374.20
3 MT	6000	2090	1144 lbs	GG3548207	461.78	415.70
4 MT	4500	3300	1320 lbs	GG3548208	576.95	519.30
5 MT	2800	4400	2460 lbs	GG3548209	719.54	647.60
6 MT	2000	10560	3300 lbs	GG3548210	1572.91	1415.70
6 MT	1700	19800	6600 lbs	GG3548211	3364.09	3027.70

Type - Precision General Purpose Live Center						
Morse Taper	Max. RPM	Max. Workpiece Weight (lbs)	Thrust Load	Order No.	Regular Price	SALE
1 MT	8500	110	365 lbs	GG3548200	297.25	267.60
2 MT	6000	220	792 lbs	GG3548201	321.38	289.30
3 MT	5000	572	1144 lbs	GG3548202	357.58	321.90
4 MT	4000	1078	1320 lbs	GG3548203	461.78	415.70
5 MT	3000	1672	1430 lbs	GG3548204	587.92	529.20
6 MT	2500	3388	3300 lbs	GG3548205	1121.00	1008.90

WH535

Adaptor Size - 2							
Tap Range (Fractional)	Tap Range (Metric)	Rigid Positive Tap Adaptor			Tension & Compression Tap Adaptors		
		Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
5/16	M7, M8	-	-	-	GM9220T031	165.00	156.80
3/8	M10	GM9220037	66.00	62.70	GM9220T037	165.00	156.80
7/16	M11	GM9220043	66.00	62.70	GM9220T043	165.00	156.80
1/2	M12, M12.5	-	-	-	GM9220T050	165.00	156.80
9/16	M14	GM9220056	66.00	62.70	GM9220T056	165.00	156.80
5/8	M16	GM9220062	66.00	62.70	GM9220T062	165.00	156.80
11/16	M18	GM9220068	66.00	62.70	GM9220T068	165.00	156.80
3/4	-	GM9220075	66.00	62.70	GM9220T075	165.00	156.80
13/16	M20	GM922081	66.00	62.70	GM9220T81	165.00	156.80
7/8	M22	GM9220087	66.00	62.70	GM9220T087	165.00	156.80
1/2 NPT	-	GM9220050N	90.00	85.50	GM9220T050N	165.00	156.80
1/4 NPT	-	-	-	-	GM9220T025N	165.00	156.80
3/8 NPT	-	GM9220037N	90.00	85.50	GM9220T037N	165.00	156.80

Adaptor Size - 3							
Tap Range (Fractional)	Tap Range (Metric)	Rigid Positive Tap Adaptor			Tension & Compression Tap Adaptors		
		Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
3/4	-	-	-	-	GM9230T075	333.00	316.40
13/16	M20	GM9230081	161.00	153.00	-	-	-
7/8	M22	GM9230087	161.00	153.00	GM9230T087	352.00	334.40
15/16	M24	GM9230093	161.00	153.00	GM9230T093	352.00	334.40
1	M25	GM9230100	161.00	153.00	GM9230T100	352.00	334.40
1-1/8	M27	GM9230106	161.00	153.00	GM9230T106	352.00	334.40
1-1/4	M30	GM9230118	161.00	153.00	GM9230T118	352.00	334.40
1-3/8	M33	GM9230131	161.00	153.00	GM9230T131	352.00	334.40
1/2 NPT	-	GM9230050N	150.00	142.50	-	-	-
3/4 NPT	-	GM9230075N	174.00	165.30	GM9230T075N	352.00	334.40
1 NPT	-	GM9230100N	174.00	165.30	GM9230T100N	352.00	334.40

WH808

MACHINERY

18" Wood/Metal Bandsaw

Features:

- 18" Throat x 12" height cutting capacity
- Variable frequency drive speed control with digital readout
- Infinitely variable blade speeds
- Speed control dial for on-the-fly speed changes
- Inverter motor technology can run on 220 volt, single phase power
- Two year warranty

Model No.	Throat (in.)	Blade Length (in.)	Blade Widths (in.)	Blade Speeds	Table Size (in.)	Motor	Weight	Order No.	Regular Price	SALE
M1113	18	11'1"	1/8-1	150 - 3000 SFPM	18 x 24	1.5HP, 220V, 1PH, 1725 RPM	375 lbs	PY65M113	2650.00	2252.50

F.O.B. Warren, MI • Ships By Truck • Not CSA Approved



M1664

7" x 12" Horizontal/Vertical Portable Bandsaw

Medium Duty Non-Production

Features:

- Hydraulic cylinder for adjustment of head pressure
- Horizontal and vertical cutting
- Four blade speeds
- Vise can miter 45° and 90°
- Blade tensioning adjustment, adjustable ball bearing blade guides
- Guarded automatic shut-off switch
- 1 Year warranty

Standard Equipment:

- One 3/4" saw blade
- Casters
- Coolant system
- Vertical table
- Adjustable stock stop
- Blade brush
- Hydraulic cylinder for head pressure adjustment
- Instructions & parts manual

Model No.	Capacity (in.)	Blade Width (in.)	Blade Length (in.)	Blade Speeds	Motor	Weight	Order No.	Regular Price	SALE
UC180AJ	7 x 12	3/4	7' 9"	86, 132, 178, 260 SFPM	1HP, 110V/220V, 1PH	286 lbs	RF80UC180AJ	1050.00	945.00

F.O.B. Warren, MI • Ships By Truck

M015



9" x 20" Bench Top Lathe

Features:

- Swing over bed: 9"
- Distance between centers: 20"
- Spindle Bore: .827
- Motor: 1HP 112V 1PH
- Weight: 342 Lbs.
- One year parts warranty

Standard Equipment:

- 3 Jaw lathe chuck
- Safety chuck and tool post guards
- 4 Way tool post
- Centers
- Chip Tray



Order No.	Regular Price	SALE
PR71920	1849.30	1572.00

F.O.B. Warren, MI • Ships by truck

M1384

Bench Milling & Drilling Machine

Multi purpose machine can be used for drilling, milling and even tapping.

Machine Specs:

- Table size: 8" x 28"
- Spindle taper: R-8
- Spindle stroke: 5"
- Spindle speed (12): 140-2500 RPM
- Motor: 2HP, 1 Phase
- Weight: 600 lbs.
- 1 Year Parts Warranty

Shown with Optional Stand
Sold Separately



Order No.	Regular Price	SALE
RL80RF311	1780.00	1513.00

F.O.B. Warren, MI • Ships by Truck

M113

MACHINERY

DAKE Hand Operated Hydraulic Press

MADE IN THE USA

Features:

- Hand operation for economical performance
- By-pass hole prevents excessive ram extension
- Rapid screw traverse of ram permits quick, easy movement of the ram by means of a convenient handwheel
- Rapid ram return starts as soon as release valve is opened and may be stopped at any point by closing the valve
- Adjustable table with self-locking hoist
- 1 Year Warranty



Model No.	Base (in.)	Cap. (tons)	Height (in.)	Max. Work Arbor (in.)	Max. Work Ht. (in.)	Max. Work Wd. (in.)	Ram Travel (in.)	Table Travel (in.)	Weight	Order No.	Regular Price	SALE
25H	30 x 42-1/2	25	76	5-3/16	39	33-1/2	5	35	450 lbs	RK5007001	3315.00	3149.30
50H	36 x 43-1/2	50	85	7-1/4	40	32-3/4	4	35	810 lbs	RK5007002	4450.00	4227.50

F.O.B. Grand Haven, MI • Ships by truck

M1490

ROLL-IN SAW 4 Speed Vertical Multi-Purpose Gravity Feed Saw

Features:

- Rigid 18 1/2 inch x 30 inch precision-ground table
- Hardened grooved roller guides allow blades from 1/4 to 3/4 inch wide without adjustment
- Blade wheels have rubber tires to prevent blade slippage
- 1-Year Warranty

MADE IN THE USA



Standard Equipment:

- Angle plate swivel work block
- Large C-clamp
- Blade/speed selector chart
- Blade

Model Number	Capacity (in.)	Throat (in.)	Table Size (in.)	Blade Length (ft)	Blade Speeds	Motor	Weight	Order No.	Regular Price	SALE
EF-1459	8 x 14	8-3/4	18-1/2 x 30	10'	70 - 525 SFPM	1HP, 110V, 1PH	585 lbs	RF5010001	4995.00	4745.30
EF-1459	8 x 14	8-3/4	18-1/2 x 30	10'	70 - 525 SFPM	1HP, 220V, 1PH	585 lbs	RF5010002	4995.00	4745.30
EF-1459	8 x 14	8-3/4	18-1/2 x 30	10'	70 - 525 SFPM	1HP, 220V, 3PH	585 lbs	RF5010003	4995.00	4745.30
EF-1459	8 x 14	8-3/4	18-1/2 x 30	10'	70 - 525 SFPM	1HP, 440V, 3PH	585 lbs	RF5010004	4995.00	4745.30

F.O.B. Cleveland, OH • Ships by truck • NOT CSA APPROVED

M1491



20 Ton Capacity Manual Shop Press

MADE IN THE USA

Features:

- All welded steel construction
- 4" chrome ram with 4.75 stroke
- Manual high pressure pump
- Table range from 1.5" to 33"
- Bed plates, bearing punch and bearing shield included as standard equipment

Machine Specs:

- Height - 66-1/2"
- Inside Width - 20-1/2"
- Base Width - 24"
- Ram Travel - 5-1/8"
- Weight - 530 lbs.
- 1 Year Warranty



Order No.	Regular Price	SALE
RK851720PR	750.00	637.50

F.O.B. Warren, MI • Ships By Truck

M1478

Prices Effective April 1, 2018 Thru June 30, 2018

55

PRO-CUT™ Indexable Carbide Inserts

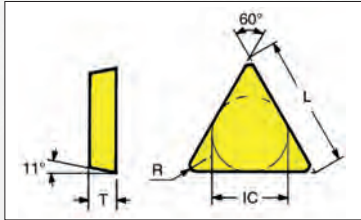
TPG - Triangle Positive Ground All Over

- Single sided, ground all over without chipformer
- Positive cut, low cutting forces

Carbide Grades

PC5 – (C5) steel cutting

PC300 – (C5 Coated) TiN-TiC-TiN steel cutting at higher speeds with greater lubricity



Insert Style	IC	Length	Thick-ness	Radius	PC300			PC5		
					Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
TPG 221	1/4	.433	.125	.016	FF5032820	5.90	4.13	FF5052820	4.90	3.43
TPG 222	1/4	.433	.125	.031	FF5032830	5.90	4.13	FF5052830	4.90	3.43
TPG 320	3/8	.650	.125	.005	FF5032840	6.80	4.76	FF5052840	5.75	4.03
TPG 321	3/8	.650	.125	.016	FF5032850	6.80	4.76	FF5052850	5.75	4.03
TPG 322	3/8	.650	.125	.031	FF5032860	6.80	4.76	FF5052860	5.75	4.03
TPG 323	3/8	.650	.125	.047	FF5032870	6.80	4.76	FF5052870	5.75	4.03
TPG 324	3/8	.650	.125	.063	FF5032880	6.80	4.76	FF5052880	5.75	4.03
TPG 332	3/8	.650	.187	.031	-	-	-	FF5052900	7.80	5.85
TPG 431	1/2	.866	.187	.016	FF5032930	10.30	7.21	FF5052930	8.15	5.71
TPG 432	1/2	.866	.187	.031	FF5032940	10.15	7.11	FF5052940	7.80	5.46
TPG 433	1/2	.866	.187	.047	FF5032950	10.15	7.11	FF5052950	7.80	5.46
TPG 434	1/2	.866	.187	.063	FF5032960	10.30	7.21	FF5052960	8.15	5.71
TPG 438	1/2	.866	.187	.125	FF5032970	9.45	6.62	-	-	-

C084

PRM PRO Heavy Duty Stool with Back Rest



- Red frame / black seat
- Thick big vinyl cushioned 13-1/2" seat
- Stool capacity 300 lbs.
- Multiple adjustable backrest
- Powder coated paint
- Ships UPS



MH492

Approx. Seat Height	Order No.	Regular Price	SALE
31"	RZ451000	78.00	58.00

PRM PRO Heavy Duty Adjustable Stool

- Black frame / red seat
- Cushioned seat red seat with square foot rest
- Stool capacity 300 lbs.
- Air-cylinder adjustable seat
- Powder coated paint
- Ships UPS



MH493

Approx. Seat Height	Order No.	Regular Price	SALE
26" to 31"	RZ451005	66.00	49.00

*5" is an estimate of height differential

MORSE CUTTING TOOLS 29 Pc. Jobber Length Drill Sets

- 1/16" - 1/2" by 64ths
- High speed steel or M42 8% cobalt
- Complete with index

Type	Drill Point	Finish	Order No.	Regular Price	SALE
HSS General Purpose	118° Standard Point	Bright Finish	MT1218144	132.99	93.49
HSS General Purpose	118° Standard Point	Surface Treated	MT1218101	132.99	93.49
HSS Heavy Duty	135° Split Point	Gold & Black Finish	MT1218182	141.74	99.64
Cobalt Heavy Duty	135° Split Point	Straw Finish	MT1218166	248.16	172.99
Left Hand HSS General Purpose	118° Standard Point	Bright Finish-LH	MT1218005†	316.92	222.79



CT276

Prices Effective April 1, 2018 Thru June 30, 2018

NOT ALL ITEMS EXACTLY AS PICTURED. NOT RESPONSIBLE FOR TYPOGRAPHICAL ERRORS. WE RESERVE THE RIGHT TO LIMIT QUANTITIES. ITEMS AVAILABLE WHILE SUPPLIES LAST.