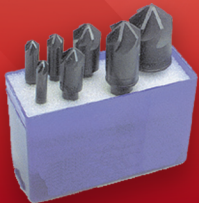


FEATURING

PG4

**6 FLUTE
CHATTERLESS
COUNTERSINK SETS**



PG5

**GENERAL PURPOSE
HAND TAPS**



PG12

**THIN FLEX CUT-OFF
WHEELS**



**PROMOTIONAL PRICING DOES NOT INCLUDE TARIFFS
PRICING AVAILABLE JULY 1, 2025 THROUGH SEPTEMBER 30, 2025**

CUTTING TOOLS

DORLAND INDEXABLE Miniature Boring Bar Set

- For precision finishing boring operations
- Includes 3 boring bars and 10 CVD coated inserts
- For use in alloy steel and stainless steel

Set Includes: Boring Bar Shank Size Minimum

Bore

- S06H-SCLCR-2 .375 .394
- S08K-SCLCR-2 .500 .550
- S10M-SCLCR-2 .625 .708
- (10) CCMT 21.51 CVD coated inserts
- (1) T-8 Torx key
- (1) Storage case

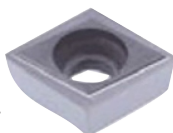


Order No.	Regular Price	SALE
FL4585064	546.15	436.92

8744

RAPIDKUT Aluminum Cutting Turning Inserts

- Grade NT9125
- Ideal for semi-finishing to roughing in aluminum alloys and other non-ferrous materials
- Offers high hardness and good wear resistance
- MAU chipbreaker offers low cutting force and excellent chip evacuation



Insert Style	Insert Size	Chip Breaker Type	Inscribed Circle Diameter (IC)	Insert Thickness (S)	Corner Radius (RE)	Order No.	Regular Price	SALE
CCGT	21.50.5	MAU	1/4"	0.094"	0.008"	RE1062610	12.01	7.40
CCGT	21.51	MAU	1/4"	0.094"	0.016"	RE1062620	12.01	7.40
CCGT	32.50.5	MAU	1/4"	0.156"	0.008"	RE1062630	12.91	7.92
CCGT	32.51	MAU	3/8"	0.156"	0.016"	RE1062640	12.91	7.92
CCGT	32.52	MAU	3/8"	0.156"	0.032"	RE1062650	12.91	7.92
CCGT	432	MAU	1/2"	0.187"	0.032"	RE1062670	16.37	10.05
DCGT	21.50.5	MAU	1/4"	0.094"	0.008"	RE1062680	12.32	7.60
DCGT	21.51	MAU	1/4"	0.094"	0.016"	RE1062690	12.32	7.60
DCGT	32.50.5	MAU	1/4"	0.156"	0.008"	RE1062700	13.71	8.42
DCGT	32.52	MAU	3/8"	0.156"	0.032"	RE1062720	13.71	8.42
SCGT	431	MAU	1/2"	0.187"	0.016"	RE1062730	16.37	10.05
SCGT	432	MAU	1/2"	0.187"	0.032"	RE1062740	16.37	10.05
TCGT	21.51	MAU	1/4"	0.094"	0.016"	RE1062750	11.58	7.11
TCGT	32.51	MAU	3/8"	0.156"	0.016"	RE1062760	13.97	8.63
TCGT	32.52	MAU	3/8"	0.156"	0.032"	RE1062770	13.97	8.63
VCGT	220.5	MAU	1/4"	1/8"	0.008"	RE1062780	15.51	9.53
VCGT	221	MAU	1/4"	1/8"	0.016"	RE1062790	15.51	9.53
VCGT	331	MAU	3/8"	0.187"	0.016"	RE1062800	19.42	11.97
VCGT	332	MAU	3/8"	0.187"	0.032"	RE1062810	19.42	11.97

22455

CL HSS MGF Combined Drills & Countersinks

60° • High Speed Steel • Cobalt

Plain Style

- Used for centering work ends, where the workpiece is to be revolved on machine centers
- 60° Countersink angle fits all standard centers
- Morse List #1495
- Chicago-Latrobe List #217

				HSS, Morse Cutting Tools, Right Hand			HSS, Chicago-Latrobe, Right Hand			HSSCo, ProCut, Right		
Drill Bit Size / Cutting Diameter (DC)	Point Diameter (PDD)	Overall Length (OAL)	Size	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
3/64"	3/64"	1-1/4"	#1	MT1925041	12.18	10.17	CH2156701	21.83	16.37	AV801	13.99	11.21
5/64"	5/64"	1-7/8"	#2	MT1925042	11.86	9.03	CH2156702	21.83	16.37	AV802	15.76	12.81
7/64"	7/64"	2"	#3	MT1925043	12.61	10.16	CH2156703	22.82	17.12	AV803	16.84	12.82
1/8"	1/8"	2-1/8"	#4	MT1925044	12.61	10.16	-	-	-	AV804	17.35	14.43
3/16"	3/16"	2-3/4"	#5	MT1925045	19.57	15.84	CH2156705	35.62	26.72	AV805	35.28	28.94
9/64"	3/8"	2-1/2"	#4.5	MT1925052	18.20	14.70	-	-	-	-	-	-
7/32"	7/32"	3"	#6	MT1925046	36.69	29.47	CH2156706	44.24	33.18	AV806	56.25	45.06
1/4"	1/4"	3-1/4"	#7	MT1925047	56.36	45.37	CH2156707	70.97	53.23	AV807	82.05	66.02
5/16"	5/16"	3-1/2"	#8	MT1925048	84.67	68.08	CH2156708	96.52	72.39	AV808	113.76	90.21
1"	3/8"	3-3/4"	#10	-	-	-	-	-	-	AV5010	79.45	62.81

9643

EVEREDE TOOL COMPANY



Spotting Drills

- One tool will perform multiple applications
- Each insert has two or four cutting edges
- Great for spotting, chamfering, grooving and engraving applications



82 Degrees					
Connection Diameter Machine Side (DCONMS)	Overall Length (OAL)	Master Insert Identification (MIID)	Order No.	Regular Price	SALE
3/8"	3-1/2"	V0820802-NC2071	FG7010060	215.53	193.98
5/8"	4"	V08212T3-NC2071	FG7010061	257.52	231.77

90 Degrees					
Connection Diameter Machine Side (DCONMS)	Overall Length (OAL)	Master Insert Identification (MIID)	Order No.	Regular Price	SALE
1/4"	1.378"	N9MT05T1CT-NC2071	FG7010062	171.71	154.54
3/8"	3.543"	N9MT080204CT-NC40	FG7010063	215.53	193.98
5/8"	4"	N9MT11T3CT-NC40	FG7010064	257.52	231.77
1"	6"	N9MT1704CT-NC2071	FG7010065	339.64	305.68

142 Degrees					
Connection Diameter Machine Side (DCONMS)	Overall Length (OAL)	Master Insert Identification (MIID)	Order No.	Regular Price	SALE
5/8"	4"	V1420803-NC2071	FG7010066	257.52	231.77

22056

EVEREDE TOOL COMPANY



Engraving Tool

- High positive rake angle
- High speeds, high feed rates - up to 20,000 RPM
- Economical with each insert having two cutting edges with excellent repeatability



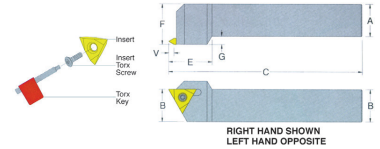
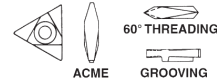
Angle	Master Insert Identification (MIID)	Connection Diameter Machine Side (DCONMS)	Overall Length (OAL)	Order No.	Regular Price	SALE
45 Degrees	V04506TW06-NC2071	0.236"	1.575"	FG7010068	173.52	156.17
60 Degrees	V06006TW06-NC2071	0.236"	1.575"	FG7010069	173.52	156.17

22054



DORIAN TOOL STVO-A R/L Threading Toolholders**Style VO.D. Threading and Shallow Grooving Triangle TNMC Inserts**

Right hand shown, left hand opposite



Right Hand									
Model No.	Cutting Depth	Inscribed Circle Diameter (IC)	Overall Length (OAL)	Connection Diameter Machine Side (DCONMS)	Gage Insert	Master Insert Identification (MIID)	Order No.	Price	SALE
STVOR 08-3A	0.15"	3/8"	4"	1/2"	TNMC32_	TNMC32_	FL4558070	128.86	103.09
STVOR 10-3B	0.15"	3/8"	4-1/2"	5/8"	TNMC32_	TNMC32_	FL4558074	135.25	108.20
STVOR 12-3B	0.15"	3/8"	4-1/2"	3/4"	TNMC32_	TNMC32_	FL4558078	142.55	114.04
STVOR 16-3D	0.15"	3/8"	6"	1"	TNMC32_	TNMC32_	FL4558082	158.65	126.92
STVOR 12-4B	0.23"	1/2"	4-1/2"	3/4"	TNMC43_	TNMC43_	FL4558086	149.00	119.20
STVOR 16-4D	0.23"	1/2"	6"	1"	TNMC43_	TNMC43_	FL4558090	158.65	126.92
STVOR 20-4D	0.23"	1/2"	6"	1-1/4"	TNMC43_	TNMC43_	FL4558094	182.80	146.24
STVOR16-5D	0.292"	5/8"	6"	1"	TNMC54_	TNMC54_	FL4558102	173.08	138.46
STVOR20-5D	0.292"	5/8"	6"	1-1/4"	TNMC54_	TNMC54_	FL4558106	182.80	146.24

Left Hand									
Model No.	Cutting Depth	Inscribed Circle Diameter (IC)	Overall Length (OAL)	Connection Diameter Machine Side (DCONMS)	Gage Insert	Master Insert Identification (MIID)	Order No.	Price	SALE
STVOL10-3B	0.15"	3/8"	4-1/2"	5/8"	TNMC32_	TNMC32_	FL4558075	135.25	108.20
STVOL12-3B	0.15"	3/8"	4-1/2"	3/4"	TNMC32_	TNMC32_	FL4558079	142.55	114.04
STVOL16-3D	0.15"	3/8"	6"	1"	TNMC32_	TNMC32_	FL4558083	158.65	126.92
STVOL12-4B	0.23"	1/2"	4-1/2"	3/4"	TNMC43_	TNMC43_	FL4558087	149.00	119.20
STVOL16-4D	0.23"	1/2"	6"	1"	TNMC43_	TNMC43_	FL4558091	158.65	126.92
STVOL20-4D	0.23"	1/2"	6"	1-1/4"	TNMC43_	TNMC43_	FL4558095	182.80	146.24
STVOL16-5D	0.292"	5/8"	6"	1"	TNMC54_	TNMC54_	FL4558103	173.08	138.46

8750

PRO-CUT On Edge Threading TNMA/C-NV 60° Vee ThreadingTNMA has a straight hole TNMC has a countersink hole
Carbide Grades**PC2 - (C2)** General purpose for cast iron and non-ferrous metals (exotics)**PC5 - (C5)** Steel Cutting**PC300 - (C5 Coated)** TiN-TiC-TiN Steel cutting at higher speeds with greater lubricity

		PC2 - Cast Iron			PC300 - Coated Steel Grade			PC5 - Steel Grade		
In- sert Size	Insert Thick- ness (S)	Insert Style	Order No.	Reg- ular Price	Reg- ular Price	Order No.	Reg- ular Price	Order No.	Reg- ular Price	Reg- ular Price
3/8"	1/8"	TNMA32NV	FF4621010	24.73	16.56	FF4631010	31.72	20.16	FF4651010	24.30
3/8"	1/8"	TNMC32NV	FF4621020	33.66	16.09	FF4631020	31.80	20.17	FF4651020	24.30
1/2"	0.187"	TNMA43NV	FF4621030	23.87	16.09	FF4631030	32.83	21.46	FF4651030	26.34
1/2"	0.187"	TNMC43NV	FF4621040	27.58	17.92	FF4631040	32.83	21.32	FF4651040	26.34
5/8"	1/4"	TNMA54NV	-	-	-	FF4631050	42.13	26.80	FF4651050	32.96
5/8"	1/4"	TNMC54NV	-	-	-	FF4631060	40.97	26.33	FF4651060	32.96
3/8"	3/8"	TNMC66NV	-	-	-	FF4631100	63.36	40.75	-	-

9245

RAPIDKUT 45° Face Mill Kits**With Inserts**

- Suitable for surface milling for roughing
- While Supplies Last



SEHX 43			
Product Name	Order No.	Regular Price	SALE
3" 45 Degree Face Mill w/20 SEHX 43 Inserts	ME2112250	849.18	721.80

SEKN 42			
Product Name	Order No.	Regular Price	SALE
2" 45 Degree Face Mill w/20 SEKN 42 Inserts	ME2112300	737.02	626.47
3" 45 Degree Face Mill w/20 SEKN 42 Inserts	ME2112350	913.26	776.27

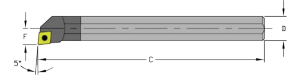
SNMX.M 1205			
Product Name	Order No.	Regular Price	SALE
3" 45 Degree Face Mill w/20 SNMX.M 1205 Inserts	ME2112450	961.34	817.14

9273

ULTRA-DEX Positive 80° Diamond -5° Lead Boring Bars Coolant Thru

Steel Bars • 4:1 Ratio

- Right hand shown



Right Hand								
Connection Di- ameter Machine Side (DCONMS)	Master Insert Identification (MIID)	Minimum Bore Diame- ter (DMIN)	Function- al Width (WF)	Overall Length (OAL)	Manufactur- er No	Order No.	Reg- ular Price	SALE
1/4"	CDGW 1.510	.312"	.172"	3-1/2"	957-000-003	FG550848	144.15	115.30
0.312"	CPMT 1.81.20.5	.395"	.219"	3-1/2"	957-000-011	FG550719	144.15	115.30
3/8"	CCMT 21.51	.460"	.250"	5"	957-000-021	FG550726	156.26	125.06
3/8"	CPMT 21.51	.460"	.250"	5"	957-000-025	FG550720	156.26	125.06
1/2"	CCMT 21.51	.600"	.312"	6"	957-000-050	FG550727	170.21	136.14
1/2"	CPMT 21.51	.600"	.312"	6"	957-000-056	FG550721	170.21	136.14
1/2"	CCMT 32.51	.625"	.344"	6"	957-000-052	FG550885	170.21	136.14
1/2"	CPMT 32.51	.625"	.344"	6"	957-000-058	FG550890	170.21	136.14
5/8"	CCMT 21.51	.760"	.406"	7"	957-000-085	FG550728	210.25	168.17
5/8"	CPMT 21.51	.760"	.406"	7"	957-000-089	FG550722	210.25	168.17
5/8"	CCMT 32.51	.760"	.406"	7"	957-000-086	FG550729	210.25	168.17
5/8"	CPMT 32.51	.760"	.406"	7"	957-000-090	FG550723	210.25	168.17
3/4"	CCMT 32.51	.920"	.500"	7"	957-000-107	FG550730	246.24	197.02
3/4"	CPMT 32.51	.920"	.500"	7"	957-000-109	FG550724	246.24	197.02
1"	CCMT 32.51	1.185"	.625"	8"	957-000-134	FG550731	324.28	259.45
1"	CPMT 32.51	1.185"	.625"	8"	957-000-136	FG550725	324.28	259.45
1-1/4"	CCMT 431	1.465"	.765"	14"	957-000-185	FG550732	508.44	406.77
1-1/2"	CCMT 431	1.730"	.890"	14"	957-000-199	FG550733	574.55	459.65

Left Hand								
Connection Di- ameter Machine Side (DCONMS)	Master Insert Identification (MIID)	Minimum Bore Diame- ter (DMIN)	Function- al Width (WF)	Overall Length (OAL)	Manufactur- er No	Order No.	Reg- ular Price	SALE
1/4"	CDGW 1.510	.312"	.172"	3-1/2"	957-000-001	FG550846	144.15	115.30
3/8"	CCMT 21.51	.460"	.250"	5"	957-000-019	FG550861	156.26	125.06
3/8"	CPMT 21.51	.460"	.250"	5"	957-000-023	FG550864	156.26	125.06
1/2"	CCMT 21.51	.600"	.312"	6"	957-000-047	FG550881	170.21	136.14
1/2"	CPMT 21.51	.600"	.312"	6"	957-000-053	FG550886	170.21	136.14
1/2"	CCMT 32.51	.625"	.344"	6"	957-000-049	FG550883	170.21	136.14
1/2"	CPMT 32.51	.625"	.344"	6"	957-000-055	FG550888	170.21	136.14
5/8"	CCMT 21.51	.760"	.406"	7"	957-000-083	FG550907	210.25	168.17
5/8"	CPMT 21.51	.760"	.406"	7"	957-000-087	FG550909	210.25	168.17
5/8"	CCMT 32.51	.760"	.406"	7"	957-000-084	FG550908	210.25	168.17
5/8"	CPMT 32.51	.760"	.406"	7"	957-000-088	FG550910	210.25	168.17
3/4"	CCMT 32.51	.920"	.500"	7"	957-000-106	FG550921	246.24	197.02
3/4"	CPMT 32.51	.920"	.500"	7"	957-000-108	FG550922	246.24	197.02
1"	CCMT 32.51	1.185"	.625"	8"	957-000-133	FG550943	324.28	259.45
1"	CPMT 32.51	1.185"	.625"	8"	957-000-135	FG552002	324.28	265.91
1-1/4"	CCMT 431	1.465"	.765"	14"	957-000-183	FG550984	508.44	406.77
1-1/2"	CCMT 431	1.730"	.890"	14"	957-000-198	FG550996	574.55	459.65

9572

CUTTING TOOLS

Starrett® 14 Pc. Carbide Tipped Maintenance Kit

Nine carbide tipped hole saws: 3/4, 7/8, 1-1/8, 1-3/8, 1-1/2, 1-3/4, 2, 2-1/4, 2-1/2", XA1, XA2 Arbors, XA014C Carbide tipped pilot bit, A15 12" Extension, A7 Ejector spring



Order No.	Regular Price	SALE
FZ7069971	636.69	449.71

2338

Starrett® King Cut® Fire, Rescue & Demolition Blades

- Bi-metal Construction joins vacuum hardened high speed steel tooth edge to durable steel back provides exceptional strength and extended blade life
- Extra thick .063 x 1" wide blade for added durability



Length	Teeth per Inch (TPI)	Order No.	Regular Price	SALE
6"	10 14	FV6311454	41.89	35.33
6"	6 10	FV6311457	41.89	35.33
8"	10 14	FV6311463	61.33	56.20
8"	6 10	FV6311466	61.33	56.20
9"	10 14	FV6311472	62.90	57.94
9"	6 10	FV6311475	62.90	57.94
12"	10 14	FV6311481	83.97	75.07
12"	6 10	FV6311484	83.97	75.07

2350

PREMIER HP S-Kut Coarse Tooth Roughing End Mills

Cobalt - Alcrona Coated

- Excellent at dry milling with high speed cutting
- Improved edge performance and wear resistance
- Fine surface finish
- Excellent results up to HRC 50-53
- Alcrona coating has oxidation resistance up to 1100°C
- While Supplies Last



Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Depth of Cut Maximum (APMX)	Overall Length (OAL)	Flute Count (NOF)	Order No.	Regular Price	SALE
1/4"	3/8"	5/8"	2-7/16"	3	CR80GB170016	31.82	23.87
5/16"	3/8"	3/4"	2-1/2"	3	CR80GB170020	31.82	23.87
3/8"	3/8"	3/4"	2-1/2"	4	CR80GB170024	31.82	23.87
7/16"	3/8"	1"	2-11/16"	4	CR80GB170028	40.50	30.38
1/2"	1/2"	1-1/4"	3-1/4"	4	CR80GB170032	40.98	30.74

10261

PRO-CUT Metric Tap and Drill Set

High Speed Steel with Metal Index

- All the popular taps and necessary drills plus metal index.
- Set Includes:** M2.5x0.45, drill 2.05mm, M3x0.50, drill 2.50mm, M3.5x0.60, drill 2.90mm, M4x0.70, drill 3.30mm, M5x0.80, drill 4.20mm, M6x1.00, drill 5.00mm, M8x1.25, drill 6.70mm, M10x1.5, drill 8.50mm, M12x1.75, drill 10.20mm



FamilyName	Order No.	Regular Price	SALE
PCUET504099TDS-I ProCut	ET504099TDS	173.05	157.36

10350

6 Flute Chatterless Countersink Sets

High Speed Steel - In Plastic Case

- 7 Piece sets include: 1/4, 5/16, 3/8, 1/2, 5/8, 3/4 and 1" diameter tools
- 4 Piece sets include: 1/4, 1/2, 3/4 and 1" diameter tools
- M A Ford Series #79

	60 Degrees			90 Degrees			82 Degrees			100 Degrees			90 Degrees, TiN			60 Degrees, TiN			82 Degrees, TiN		
Quantity	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	Order No.	Regular Price	SALE
4	BC7579003	174.65	132.78	BC7579013	174.65	132.78	BC7579008	174.65	132.78	BC7579019	174.65	132.78	BC7579384	240.25	182.55	BC7579380	240.25	182.55	BC7579382	240.25	182.55
7	BC7579001	254.16	193.12	BC7579011	254.16	193.12	BC7579006	254.16	193.12	BC7579016	254.16	193.12	-	-	-	-	-	-	-	-	-

9905

PRO-CUT Capscrew Counterbore Sets



Diameter Range	Order No.	Regular Price	SALE
#6 #8 #10 1/4" 5/16" 3/8" 1/2"	CD60SS1CO	448.22	268.93
#6 #8 #10 1/4" 5/16" 3/8" 1/2"	CD50SS1	343.25	205.95
1/4" 5/16" 3/8" 1/2" 5/8" 3/4"	CD50SS2	479.86	287.92
M3 M4 M5 M6 M8 M10 M12	CD50MS1	383.89	230.33

10296

PRO-CUT Corner Rounding End Mill Sets

High Speed Steel & Cobalt - 8 Pc. Sets



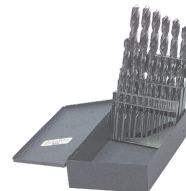
Diameter Range	Cutting Edge Material	Order No.	Regular Price	SALE
1/16R x 3/8" 3/32R x 3/8" 1/8"R x 1/2" 5/32R x 1/2" 3/16"R x 1/2" 1/4"R x 1/2" 5/16"R x 1/2" 3/8"R x 1/2"	HSS	DK50RC	595.77	312.14

† Has 3/4" shanks

10300

PRO-CUT Metric HSS Jobber Drill Sets

with Steel Indexes - Ground from Solid M-2Bright Finish



Diameter Range	Coating	Order No.	Regular Price	SALE
1 mm to 13 mm	Surface Treated	AP50EC2AHB	171.51	102.91

10343

PRO-CUT 13 Pc. 1/2" Reduced Shank Drill Sets

Each set includes: 17/32", 9/16", 19/32", 5/8", 21/32", 11/16", 23/32", 3/4", 13/16", 7/8", 15/16", 31/32" & 1"



BrandName	Packing	Cutting Edge Material	Order No.	Regular Price	SALE
ProCut	Wooden Stand	HSS	AK81013	412.69	247.61

10350



HSS M GF General Purpose Hand Taps - Fractional Sizes**Ground Thread - High Speed Steel**

				Morse Cutting Tools, Taper				Morse Cutting Tools, Plug				Morse Cutting Tools, Bottoming			
Thread Diameter Size (TDZ)	Threads per Inch (TPI)	Thread Tolerance Class (TCTR)	Flute Count (NOF)	Order No.	Reg-ular Price	SALE		Order No.	Reg-ular Price	SALE		Order No.	Reg-ular Price	SALE	
1/4"	20	H3	2	-	-	-	-	MT3632405	12.61	7.16	-	MT3732603	13.20	7.51	-
1/4"	20	H3	3	-	-	-	-	MT3732406	12.61	7.16	-	MT3732604	11.86	6.74	-
1/4"	20	H5	3	-	-	-	-	MT3732408	11.68	6.64	-	MT3732606	11.86	6.74	-
1/4"	20	H1	4	MT3732301	12.21	6.94	-	MT3732402	12.84	7.30	-	MT3732601	13.44	7.65	-
1/4"	20	H2	4	MT3732302	12.21	6.94	-	MT3732404	12.21	6.94	-	MT3732602	12.21	6.94	-
1/4"	20	H3	4	MT3732303	9.93	5.65	-	MT3732407	9.93	5.65	-	MT3732605	9.93	5.65	-
1/4"	20	H5	4	-	-	-	-	MT3732409	12.21	6.94	-	-	-	-	-
1/4"	28	H3	2	-	-	-	-	MT3732412	12.49	7.11	-	MT3732609	12.61	7.16	-
1/4"	28	H3	3	-	-	-	-	MT3732413	12.61	7.16	-	MT3732610	12.61	7.16	-
1/4"	28	H1	4	-	-	-	-	MT3732410	12.21	6.94	-	MT3732607	12.21	6.94	-
1/4"	28	H2	4	-	-	-	-	MT3732411	12.21	6.94	-	MT3732608	12.84	7.30	-
1/4"	28	H3	4	MT3732304	10.22	5.81	-	MT3732414	10.22	5.81	-	MT3732611	10.22	5.81	-
1/4"	28	H4	4	-	-	-	-	MT3732415	9.32	5.29	-	MT3732612	10.22	5.81	-
5/16"	18	H3	2	-	-	-	-	-	-	-	-	MT3732615	16.00	9.09	-
5/16"	18	H3	3	-	-	-	-	MT3732420	14.66	8.33	-	MT3732616	14.01	7.96	-
5/16"	18	H2	4	-	-	-	-	MT3732418	14.20	8.08	-	MT3732614	14.20	8.08	-
5/16"	18	H3	4	MT3732305	12.61	7.16	-	MT3732421	12.61	7.16	-	MT3732617	12.61	7.16	-
5/16"	18	H5	4	-	-	-	-	MT3732422	14.20	8.08	-	MT3732618	14.20	8.08	-
5/16"	24	H3	3	-	-	-	-	MT3732425	12.91	7.34	-	MT3732620	14.66	8.33	-
5/16"	24	H2	4	-	-	-	-	MT3732424	14.20	8.08	-	-	-	-	-
5/16"	24	H3	4	MT3732306	12.61	7.16	-	MT3732426	12.61	7.16	-	MT3732621	12.61	7.16	-
5/16"	24	H4	4	-	-	-	-	MT3732427	12.61	7.16	-	-	-	-	-
3/8"	16	H1	4	-	-	-	-	MT3732429	16.07	9.15	-	-	-	-	-
3/8"	16	H2	4	-	-	-	-	MT3732430	16.07	9.15	-	MT3732624	16.07	9.15	-
3/8"	16	H3	3	-	-	-	-	MT3732431	15.71	8.93	-	MT3732625	15.71	8.93	-
3/8"	16	H3	4	MT3732307	14.20	8.08	-	MT3732432	14.20	8.08	-	MT3732626	14.20	8.08	-
3/8"	16	H5	4	-	-	-	-	MT3732434	15.43	8.77	-	MT3732627	16.07	9.15	-
3/8"	24	H3	3	-	-	-	-	MT3732437	17.98	10.22	-	MT3732630	17.98	10.22	-
3/8"	24	H1	4	-	-	-	-	MT3732435	15.43	8.77	-	-	-	-	-
3/8"	24	H2	4	-	-	-	-	MT3732436	16.07	9.15	-	MT3732629	16.07	9.15	-
3/8"	24	H3	4	MT3732308	14.20	8.08	-	MT3732438	14.20	8.08	-	MT3732631	14.20	8.08	-
3/8"	24	H4	4	-	-	-	-	MT3732439	14.20	8.08	-	-	-	-	-
7/16"	14	H3	3	-	-	-	-	MT3732440	26.11	14.86	-	-	-	-	-
7/16"	14	H3	4	MT3732309	22.85	13.00	-	MT3732441	22.85	13.00	-	MT3732633	22.85	13.00	-
7/16"	14	H5	4	-	-	-	-	MT3732442	25.10	14.27	-	MT3732634	26.70	15.17	-
7/16"	20	H3	3	-	-	-	-	MT3732443	26.11	14.86	-	-	-	-	-
7/16"	20	H3	4	MT3732310	24.35	13.84	-	MT3732444	24.35	13.84	-	MT3732635	24.35	13.84	-
7/16"	20	H5	4	-	-	-	-	MT3732445	26.70	15.17	-	MT3732636	26.70	15.17	-
1/2"	13	H1	4	-	-	-	-	MT3732446	31.01	17.64	-	-	-	-	-
1/2"	13	H3	4	MT3732311	25.62	14.56	-	MT3732449	25.62	14.56	-	MT3732640	25.62	14.56	-
1/2"	13	H5	4	-	-	-	-	MT3732450	31.40	17.85	-	MT3732641	30.55	17.36	-
1/2"	13	H3	3	-	-	-	-	MT3732448	31.01	17.64	-	MT3732639	31.01	17.64	-
1/2"	20	H1	4	-	-	-	-	MT3732451	31.40	17.85	-	MT3732642	30.24	17.19	-
1/2"	20	H3	4	MT3732312	29.20	16.60	-	MT3732453	29.20	16.60	-	MT3732643	29.20	16.60	-
1/2"	20	H5	4	-	-	-	-	MT3732454	31.40	17.85	-	-	-	-	-
9/16"	12	H3	4	MT3732313	43.04	24.47	-	MT3732455	43.04	24.47	-	MT3732644	43.04	24.47	-
9/16"	12	H5	4	-	-	-	-	MT3732456	43.90	24.96	-	-	-	-	-
9/16"	18	H2	4	-	-	-	-	MT3732457	47.03	26.75	-	-	-	-	-
9/16"	18	H3	4	MT3732314	43.04	24.47	-	MT3732458	43.04	24.47	-	MT3732645	43.04	24.47	-
9/16"	18	H5	4	-	-	-	-	MT3732459	47.03	26.75	-	-	-	-	-
5/8"	11	H2	4	-	-	-	-	MT3732460	51.91	29.53	-	-	-	-	-
5/8"	11	H3	4	MT3732315	51.91	29.53	-	MT3732461	51.91	29.53	-	MT3732647	51.91	29.53	-
5/8"	11	H5	4	-	-	-	-	MT3732462	59.74	33.97	-	MT3732648	59.74	33.97	-
5/8"	18	H2	4	-	-	-	-	MT3732463	59.74	33.97	-	-	-	-	-
5/8"	18	H3	4	MT3732316	51.91	29.53	-	MT3732464	51.91	29.53	-	MT3732649	51.91	29.53	-
5/8"	18	H5	4	-	-	-	-	MT3732465	56.31	32.02	-	MT3732650	59.74	33.97	-
11/16"	11	H3	4	MT3732317	64.41	36.63	-	MT3732466	64.41	36.63	-	MT3732651	64.41	36.63	-
11/16"	16	H3	4	MT3732318	64.41	36.63	-	MT3732467	64.41	36.63	-	MT3732652	64.41	36.63	-
3/4"	10	H3	4	MT3732319	73.11	41.57	-	MT3732469	73.11	41.57	-	MT3732653	73.11	41.57	-
3/4"	10	H5	4	-	-	-	-	MT3732470	77.80	44.24	-	MT3732654	77.80	44.24	-
3/4"	16	H1	4	-	-	-	-	MT3732471	77.80	44.24	-	-	-	-	-
3/4"	16	H2	4	-	-	-	-	MT3732472	77.71	44.18	-	-	-	-	-
3/4"	16	H3	4	MT3732320	73.11	41.57	-	MT3732473	73.11	41.57	-	MT3732655	73.11	41.57	-
3/4"	16	H5	4	-	-	-	-	MT3732474	77.80	44.24	-	MT3732656	77.80	44.24	-
7/8"	9	H4	4	MT3732321	100.56	57.19	-	MT3732475	100.56	57.19	-	MT3732657	100.56	57.19	-
7/8"	9	H6	4	-	-	-	-	MT3732476	105.57	60.04	-	-	-	-	-
7/8"	14	H2	4	-	-	-	-	MT3732477	100.56	57.19	-	-	-	-	-
7/8"	14	H4	4	MT3732322	100.56	57.19	-	MT3732478	100.56	57.19	-	MT3732658	100.56	57.19	-
1"	12	H4	4	MT3732324	134.19	76.31	-	MT3732482	134.19	76.31	-	MT3732660	134.19	76.31	-
1"	14	H4	4	MT3732325	130.10	73.98	-	MT3732484	130.10	73.98	-	MT3732661	130.10	73.98	-
1-1/8"	7	H4	4	MT3732326	215.03	122.28	-	MT3732485	215.03	122.28	-	MT3732662	225.75	128.37	-
1-1/8"	12	H4	4	MT3732327	232.25	132.06	-	MT3732486	232.25	132.06	-	MT3732663	232.25	132.06	-
1-1/4"	7	H4	4	MT3732328	283.81	161.39	-	MT3732487	283.81	161.39	-	MT3732664	283.81	161.39	-
1-1/4"	12	H4	6	MT3732329	288.02	163.78	-	MT3732488	288.02	163.78	-	MT3732665	288.02	163.78	-
1-3/8"	6	H4	4	MT3732330	346.18	196.85	-	MT3732489	346.18	196.85	-	MT3732666	346.18	196.85	-
1-3/8"	12	H4	6	MT3732331	361.02	205.29	-	MT3732490	361.02	205.29	-	MT3732667	361.02	205.29	-
1-1/2"	6	H4	4	MT3732332	412.69	234.67	-	MT3732491	412.69	234.67	-	MT3732668	412.69	234.67	-
1-1/2"	12	H4	6	MT3732333	421.26	239.55	-	MT3732492	421.26	239.55	-	MT3732669	442.36	251.55	-

†Available in 2 Flute in stock •Available in 3 flute from stock Note: OSG steam oxide available

10002

**No. 10-10A Combination Set**

Combines 10 and 10A sets. 4 broaches & 18 bush-ings = 36 combinations



Bushings	Style	Order No.	Regular Price	SALE
1/2 5 8 3 4 7 8 1 1-1/8 1-1/4 1-3/8 1-1/2 9 16 11 16 13 16 15 16 1-1/16 1-3/16 1-5/16 1-7/16 1-9/16	B C	FB5011120	1,349.15	1,079.32

9717

HSS M GF Taper Pipe Taps

- High Speed Steel
- NPT/ANPT, NPTF
- Regular thread
- Morse List #2119



					Morse Cutting Tools, NPT, Bright			Morse Cutting Tools, NPTF, Bright
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CUTTING TOOLS

High Performance Spiral Point Taps

Steam Oxide • Plug Style • Color Coded for Easy Identification



Blue Band - for General Ductile Materials

Designed for high speed tapping applications. Developed to withstand the high stress and high heat associated with high speed CNC production tapping.

- Used in general machine tapping applications for mild carbon steels such as 1018, 1010, 1035, 1045, 1050 and 1065
- Up to 25 HRC

Red Band-for High Tensile Materials

Powdered metal taps offer superior toughness, lubricity and are made of super hard powder high speed steel.

- Used for heat resistant materials, high strength stainless steel and titanium alloys as well as other high tensile steels and alloys including tool steel and nickel alloys
- Up to 48 HRC

Yellow Band -for Tough Materials

Designed for high speed tapping applications. Developed to withstand the high stress and high heat associated with high speed CNC production tapping.

- Superior performance in hardened tool steels such as 4140, 4340, H13, D2, and a new variety of stainless steels
- Up to 35HRC

Thread Diameter Size (TDZ)	Threads per Inch (TPI)	Thread Tolerance Class (TCTR)	Overall Length (OAL)	Flute Count (NOF)	Thread Cutting Part Length (THL)	General Purpose - Blue Band			High Tensile - Red Band			Tough Material - Yellow Band		
						Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
#4	40	H2	1-7/8"	2	0.335"	ER80B1000440	8.23	6.25	ER80R1000440	29.99	22.49	ER80Y1000440	11.97	8.98
#5	40	H2	1-15/16"	3	0.374"	-	-	-	ER80R1000540	27.66	20.75	-	-	-
#6	32	H3	2"	3	0.413"	ER80B1000632	8.65	7.30	ER80R1000632	25.24	16.93	ER80Y1000632	12.39	9.29
#8	32	H3	2-1/8"	3	0.453"	ER80B1000832	8.65	7.30	ER80R1000832	25.24	16.93	ER80Y1000832	12.39	9.29
#10	24	H3	2-3/8"	3	0.531"	ER80B1001024	8.65	7.30	ER80R1001024	25.24	16.93	ER80Y1001024	12.39	9.29
#10	32	H3	2-3/8"	3	0.531"	ER80B1001032	8.65	7.30	ER80R1001032	25.24	16.93	ER80Y1001032	12.39	9.29
#12	24	H3	2-3/8"	3	0.531"	ER80B1001224	10.18	8.38	-	-	-	ER80Y1001224	14.25	10.69
1/4"	20	H3	2-1/2"	3	0.591"	ER80B1001620	10.18	8.38	ER80R1001620	29.86	22.40	ER80Y1001620	14.25	10.69
1/4"	28	H3	2-1/2"	3	0.591"	ER80B1001628	10.18	8.38	ER80R1001628	29.86	22.40	ER80Y1001628	14.25	10.69
5/16"	18	H3	2-23/32"	3	0.669"	ER80B1002018	13.54	10.49	ER80R1002018	33.26	24.95	ER80Y1002018	17.91	13.43
5/16"	24	H3	2-23/32"	3	0.669"	ER80B1002024	13.54	10.49	ER80R1002024	33.26	24.95	ER80Y1002024	17.91	13.43
3/8"	16	H3	2-15/16"	3	0.748"	ER80B1002416	13.75	10.49	ER80R1002416	38.01	28.51	ER80Y1002416	18.37	13.78
3/8"	24	H3	2-15/16"	3	0.748"	ER80B1002424	13.75	10.49	ER80R1002424	38.01	28.51	ER80Y1002424	18.37	13.78
7/16"	14	H3	3-5/32"	3	0.866"	ER80B1002814	21.90	17.86	-	-	-	ER80Y1002814	29.19	21.89
7/16"	20	H3	3-5/32"	3	0.866"	ER80B1002820	21.90	17.86	ER80R1002820	54.10	40.58	ER80Y1002820	29.19	21.89
1/2"	13	H3	3-3/8"	3	0.984"	ER80B1003213	24.70	19.95	ER80R1003213	59.53	44.65	ER80Y1003213	32.87	24.65
1/2"	20	H3	3-3/8"	3	0.984"	-	-	-	ER80R1003220	59.53	44.65	ER80Y1003220	32.87	24.65
5/8"	11	H3	3-13/16"	3	1.083"	ER80B1004011	25.49	19.94	ER80R1004011	137.03	102.77	ER80Y1004011	33.85	25.39
5/8"	18	H3	3-13/16"	3	1.083"	ER80B1004018	25.49	19.94	-	-	-	ER80Y1004018	33.85	25.39
3/4"	10	H3	4-1/4"	3	1.201"	ER80B1004810	36.06	28.37	ER80R1004810	177.13	132.85	ER80Y1004810	47.89	35.92
3/4"	16	H3	4-1/4"	3	1.201"	ER80B1004816	36.06	28.37	ER80R1004816	170.63	127.97	ER80Y1004816	47.89	35.92
7/8"	9	H4	4-11/16"	3	1.339"	ER80B1005609	77.77	62.06	-	-	-	ER80Y1005609	103.64	77.73
7/8"	14	H4	4-11/16"	3	1.339"	-	-	-	-	-	-	ER80Y1005614	103.64	77.73
1"	8	H4	5-1/8"	3	1.496"	ER80B1010008	105.42	84.17	-	-	-	ER80Y1010008	140.46	105.35
1"	12	H4	5-1/8"	3	1.496"	ER80B1010012	105.42	84.17	-	-	-	ER80Y1010012	140.46	105.35
1-1/8"	12	H4	5-7/16"	3	1.61"	ER80B1010812	152.73	122.10	-	-	-	ER80Y1010812	203.59	152.69
1-1/4"	12	H4	5-3/4"	3	1.61"	ER80B1011612	164.09	131.56	-	-	-	ER80Y1011612	218.65	163.99
1-1/4"	7	H4	5-3/4"	4	1.61"	ER80B1011607	164.09	131.56	-	-	-	ER80Y1011607	218.65	163.99
1-1/2"	6	H4	6-3/8"	4	2"	ER80B1013206	296.84	237.89	-	-	-	-	-	-

While supplies last*

10523

Metric High Performance Spiral Point Taps

Steam Oxide • Plug Style • Color Coded for Easy Identification

- ANSI standard shank



Thread Diameter Size (TDZ)	Thread Pitch (TP)	Thread Tolerance Class (TCTR)	Overall Length (OAL)	Flute Count (NOF)	Thread Cutting Part Length (THL)	Tough Material - Yellow Band			High Tensile - Red Band			General Purpose - Blue Band		
						Order No.	Price	SALE	Order No.	Price	SALE	Order No.	Price	SALE
M2	0.4 mm	D3	1-15/16"	2	3/8"	-	-	-	-	-	-	ER80B3002040	20.45	16.81
M2.5	0.45 mm	D3	1-15/16"	2	3/8"	-	-	-	-	-	-	ER80B3002545	16.42	12.58
M3	0.5 mm	D3	1-15/16"	3	3/8"	-	-	-	-	-	-	ER80B3003050	13.83	11.52
M3.5	0.6 mm	D4	2"	3	3/8"	-	-	-	-	-	-	ER80B3003560	10.18	8.38
M4	0.7 mm	D4	2-1/8"	3	3/8"	-	-	-	-	-	-	ER80B3004070	10.18	8.38
M4.5	0.75 mm	D4	2-3/8"	3	1/2"	-	-	-	-	-	-	ER80B3004575	10.18	8.38
M5	0.8 mm	D4	2-3/8"	3	1/2"	-	-	-	-	-	-	ER80B3005080	11.58	9.42
M6	1 mm	D5	2-1/2"	2	5/8"	-	-	-	-	-	-	ER80B3006100	11.58	9.42
M7	1 mm	D5	2-23/32"	3	0.687"	-	-	-	-	-	-	ER80B3007100	15.27	12.12
M8	1 mm	D5	2-23/32"	3	0.687"	-	-	-	-	-	-	ER80B3008100	15.86	12.58
M8	1.25 mm	D5	2-23/32"	3	0.687"	-	-	-	-	-	-	ER80B3008125	15.86	12.58
M10	1.25 mm	D5	2-15/16"	3	3/4"	-	-	-	ER80R3010125	40.18	30.14	ER80B3010125	25.03	19.96
M10	1.5 mm	D6	2-15/16"	3	3/4"	-	-	-	-	-	-	ER80B3010150	25.03	19.96
M12	1.25 mm	D5	3-3/8"	3	0.937"	-	-	-	-	-	-	ER80B3012125	28.55	23.12
M12	1.75 mm	D6	3-3/8"	3	0.937"	-	-	-	-	-	-	ER80B3012175	28.55	23.12
M14	1.5 mm	D6	3-19/32"	3	1"	ER80Y3014150	56.77	42.58	-	-	-	ER80B3014150	42.73	33.66
M14	2 mm	D7	3-19/32"	3	1"	-	-	-	-	-	-	ER80B3014200	42.73	33.66
M16	1.5 mm	D6	3-13/16"	3	1.093"	ER80Y3016150	66.95	50.21	-	-	-	ER80B3016150	50.27	39.94
M16	2 mm	D7	3-13/16"	3	1.093"	-	-	-	-	-	-	ER80B3016200	50.27	39.94
M18	2.5 mm	D7	4-1/32"	3	1.093"	-	-	-	-	-	-	ER80B3018250	61.60	49.44
M20	1.5 mm	D5	4-15/32"	3	1.201"	-	-	-	-	-	-	ER80B3020150	80.22	64.16
M20	2.5 mm	D6	4-15/32"	3	1.201"	-	-	-	-	-	-	ER80B3020250	80.22	64.16
M24	1.5 mm	D5	4-29/32"	3	1.496"	-	-	-	-	-	-	ER80B3024150	111.27	89.43
M24	3 mm	D7	4-29/32"	3	1.496"	-	-	-	-	-	-	ER80B3024300	111.27	89.43
M30	1.5 mm	D7	5-7/16"	4	1.813"	-	-	-	-	-	-	ER80B3030150	161.78	129.71
M30	3.5 mm	D7	5-7/16"	4	1.813"	-	-	-	-	-	-	ER80B3030350	164.09	131.56

While supplies last*

10496

←RAPIDKUT→ High Performance Spiral Flute Taps**Steam Oxide • Semi-Bottoming • Color Coded for Easy Identification****Blue Band - for General Ductile Materials**

Designed for high speed tapping applications. Developed to withstand the high stress and high heat associated with high speed CNC production tapping.

- Used in general machine tapping applications for mild carbon steels such as 1018, 1010, 1035, 1045, 1050 and 1065
- Up to 25 HRC

Red Band - for High Tensile Materials

Powdered Metal taps offer superior toughness, lubricity and are made of super hard powder high speed steel.

- Used for heat resistant materials, high strength stainless steel and titanium alloys as well as other high tensile steels and alloys including tool steel and nickel alloys
- Up to 48 HRC

Yellow Band - for Tough Materials

Designed for high speed tapping applications. Developed to withstand the high stress and high heat associated with high speed CNC production tapping.

- Superior performance in hardened tool steels such as 4140, 4340, H13, D2, and a new variety of stainless steels
- Up to 35 HRC

Thread Diameter Size (TDZ)	Threads per Inch (TPI)	Thread Tolerance Class (TCTR)	Overall Length (OAL)	Flute Count (NOF)	Thread Cutting Part Length (THL)	General Purpose - Blue Band			High Tensile - Red Band			Tough Material - Yellow Band		
						Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
#4	40	H2	1-7/8"	2	0.236"	ER80B2000440	16.21	12.59	-	-	-	-	-	-
#6	32	H3	2"	3	0.276"	-	-	-	-	-	-	ER80B2000632	16.21	12.59
#8	32	H3	2-1/8"	3	0.276"	ER80B2000832	20.06	15.73	-	-	-	-	-	-
#10	24	H3	2-3/8"	3	0.354"	-	-	-	-	-	-	ER80B2001024	19.73	15.73
#10	32	H3	2-3/8"	3	0.276"	-	-	-	-	-	-	ER80B2001032	19.73	15.73
1/4"	20	H3	2-1/2"	3	0.433"	-	-	-	-	-	-	ER80B2001620	20.06	15.73
1/4"	28	H3	2-1/2"	3	0.433"	-	-	-	-	-	-	ER80B2001628	20.06	15.73
5/16"	18	H3	2-23/32"	3	0.472"	-	-	-	-	-	-	ER80B2002018	27.37	22.08
5/16"	24	H3	2-23/32"	3	0.472"	-	-	-	-	-	-	ER80B2002024	28.22	22.07
3/8"	16	H3	2-15/16"	3	0.551"	-	-	-	-	-	-	ER80B2002416	32.93	26.26
3/8"	24	H3	2-15/16"	3	0.551"	-	-	-	-	-	-	ER80B2002424	32.93	26.26
7/16"	14	H3	3-5/32"	3	0.591"	-	-	-	-	-	-	ER80B2002814	49.38	39.97
1/2"	13	H3	3-3/8"	3	0.63"	-	-	-	-	-	-	ER80B2003213	53.97	43.14
1/2"	20	H3	3-3/8"	3	0.63"	-	-	-	-	-	-	ER80B2003220	53.97	43.14
5/8"	11	H3	3-13/16"	4	0.748"	-	-	-	-	-	-	ER80B2004011	55.45	44.18
5/8"	18	H3	3-13/16"	4	0.572"	-	-	-	-	-	-	ER80B2004810	78.40	63.13
3/4"	16	H3	4-1/4"	4	0.591"	ER80B2004816	78.40	63.13	-	-	-	-	-	-
7/8"	9	H4	4-11/16"	4	0.827"	ER80B2005609	127.57	102.08	-	-	-	-	-	-
7/8"	14	H4	4-11/16"	4	0.709"	ER80B2005614	127.57	102.08	-	-	-	-	-	-
1"	8	H4	5-1/8"	4	0.764"	ER80B2010008	169.74	135.76	-	-	-	-	-	-
1-1/8"	12	H4	5-7/16"	4	0.984"	-	-	-	-	-	-	ER80Y2010812	275.13	206.35
1-3/8"	6	H4	5-3/4"	4	1.115"	ER80B2012406	297.30	237.91	-	-	-	ER80Y2012406	396.41	297.31
1-1/2"	6	H4	6-3/8"	4	1.35"	ER80B2013206	339.35	271.59	-	-	-	-	-	-
1-1/2"	12	H4	6-3/8"	4	1.35"	-	-	-	-	-	-	ER80Y2013212	452.41	339.31

While supplies last*

10451

←RAPIDKUT→ Metric High Performance Spiral Flute Taps**Bright Finish • Semi-Bottoming Style • Color Coded for Easy Identification**

Thread Diameter Size (TDZ)	Thread Pitch (TP)	Thread Tolerance Class (TCTR)	Overall Length (OAL)	Flute Count (NOF)	Thread Cutting Part Length (THL)	General Purpose - Blue Band			Tough Material - Yellow Band			High Tensile - Red Band		
						Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
M3	0.5 mm	D3	1-15/16"	2	0.197"	ER80B4003050	23.07	18.89	-	-	-	-	-	-
M3.5	0.6 mm	D4	2"	3	0.276"	-	-	-	ER80Y4003560	23.67	17.75	-	-	-
M4	0.7 mm	D4	2-1/8"	2	0.276"	ER80B4004070	23.07	18.89	-	-	-	-	-	-
M5	0.8 mm	D4	2-3/8"	2	0.354"	ER80B4005080	23.07	18.89	-	-	-	-	-	-
M6	1 mm	D5	2-1/2"	2	0.433"	ER80B4006100	23.07	18.89	-	-	-	-	-	-
M7	1 mm	D5	2-23/32"	3	0.433"	ER80B4007100	38.01	30.49	-	-	-	-	-	-
M8	1 mm	D5	2-23/32"	3	0.472"	ER80B4008100	38.01	30.49	-	-	-	-	-	-
M8	1.25 mm	D5	2-23/32"	3	0.472"	ER80B4008125	38.01	30.49	-	-	-	-	-	-
M10	1.25 mm	D5	2-15/16"	3	0.472"	-	-	-	-	-	-	ER80R4010125	83.83	62.87
M10	1.5 mm	D6	2-15/16"	3	0.512"	ER80B4010150	56.67	45.22	-	-	-	-	-	-
M12	1.25 mm	D5	3-3/8"	3	0.551"	-	-	-	-	-	-	-	-	-
M12	1.75 mm	D6	3-3/8"	3	0.591"	ER80B4012175	62.15	49.45	-	-	-	-	-	-
M14	1.5 mm	D6	3-19/32"	3	0.709"	ER80B4014150	78.40	63.13	ER80Y4014150	78.40	58.80	-	-	-
M14	2 mm	D7	3-19/32"	3	0.709"	ER80B4014200	78.40	63.13	-	-	-	-	-	-
M16	1.5 mm	D6	3-13/16"	3	0.551"	ER80B4016150	93.46	74.72	-	-	-	-	-	-
M16	2 mm	D7	3-13/16"	3	0.709"	ER80B4016200	93.46	74.72	-	-	-	-	-	-
M18	1.5 mm	D6	4-1/32"	4	0.551"	ER80B4018150	135.42	108.40	-	-	-	-	-	-
M18	2.5 mm	D7	4-1/32"	4	0.787"	ER80B4018250	130.45	104.42	-	-	-	-	-	-
M20	1.5 mm	D5	4-15/32"	4	0.551"	ER80B4020150	159.64	127.35	-	-	-	-	-	-
M20	2.5 mm	D6	4-15/32"	4	0.701"	ER80B4020250	159.64	127.35	-	-	-	-	-	-
M22	1.5 mm	D6	4-11/16"	4	0.551"	ER80B4022150	172.54	137.88	ER80Y4022150	184.07	138.05	-	-	-
M22	2.5 mm	D6	4-11/16"	4	0.787"	ER80B4022250	172.54	137.88	ER80Y4022250	184.07	138.05	-	-	-
M24	1.5 mm	D5	4-29/32"	4	1-1/2"	-	-	-	-	-	-	-	-	-
M24	3 mm	D7	4-29/32"	4	0.787"	ER80B4024300	185.43	148.39	-	-	-	-	-	-
M27	3 mm	D7	5-1/8"	4	1-1/2"	-	-	-	-	-	-	-	-	-
M30	3.5 mm	D7	5-1/2"	4	1-3/4"	ER80B4030350	258.62	207.36	-	-	-	-	-	-
M30	1.5 mm	D7	5-1/2"	4	1-3/4"	ER80B4030150	245.64	196.95	-	-	-	-	-	-

While supplies last*

10462

CUTTING TOOLS



Long Shank T-Slot Milling Cutters

- High speed steel or M42 cobalt
- Right hand cut
- Straight shank



Cutting Diameter (DC)	Cutting Width (CW)	Connection Diameter Machine Side (DCONMS)	Overall Length (OAL)	HSS			HSSCo		
				Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
1"	1/8"	5/8"	4-15/16"	DS9610294	215.78	206.26	DS9620294	278.57	271.08
1-1/2"	1/8"	1"	5-5/16"	DS9610308	333.59	327.80	DS9620308	428.50	425.81
1-1/4"	1/8"	3/4"	5-1/8"	DS9610301	287.46	280.26	DS9620301	348.47	343.16
1"	3/16"	5/8"	4-15/16"	DS9610295	215.78	206.26	DS9620295	278.57	271.08
1-1/2"	3/16"	1"	5-5/16"	DS9610309	333.59	327.80	DS9620309	428.50	425.81
1-1/4"	3/16"	3/4"	5-1/8"	DS9610302	287.46	280.26	DS9620302	348.47	343.16
2"	3/16"	1"	5-11/16"	DS9610315	564.16	562.49	DS9620315	664.38	659.59
1"	1/4"	5/8"	4-15/16"	DS9610296	215.78	206.26	DS9620296	278.57	271.08
1-1/2"	1/4"	1"	5-5/16"	DS9610310	333.59	327.80	DS9620310	428.50	425.81
1-1/4"	1/4"	3/4"	5-1/8"	DS9610303	287.46	280.26	DS9620303	348.47	343.16
2"	1/4"	1"	5-11/16"	DS9610316	564.16	562.49	DS9620316	664.38	659.59
1"	5/16"	5/8"	4-15/16"	DS9610297	215.78	206.26	DS9620297	278.57	271.08
1-1/2"	5/16"	1"	5-5/16"	DS9610311	333.59	327.80	DS9620311	428.50	425.81
1-1/4"	5/16"	3/4"	5-1/8"	DS9610304	287.46	280.26	DS9620304	348.47	343.16
2"	5/16"	1"	5-11/16"	DS9610317	564.16	562.49	DS9620317	664.38	659.59
1"	3/8"	5/8"	4-15/16"	DS9610298	215.78	206.26	DS9620298	278.57	271.08
1-1/2"	3/8"	1"	5-5/16"	DS9610312	333.59	327.80	DS9620312	428.50	425.81
1-1/4"	3/8"	3/4"	5-1/8"	DS9610305	287.46	280.26	DS9620305	348.47	343.16
2"	3/8"	1"	5-11/16"	DS9610318	564.16	562.49	DS9620318	664.38	659.59
1"	1/2"	5/8"	4-15/16"	DS9610299	215.78	206.26	DS9620299	278.57	271.08
1-1/2"	1/2"	1"	5-5/16"	DS9610313	333.59	327.80	DS9620313	428.50	425.81
1-1/4"	1/2"	3/4"	5-1/8"	DS9610306	287.46	280.26	DS9620306	348.47	343.16
2"	1/2"	1"	5-11/16"	DS9610319	564.16	562.49	DS9620319	664.38	659.59
1"	5/8"	5/8"	4-15/16"	DS9610300	215.78	206.26	DS9620300	278.57	271.08
1-1/2"	5/8"	1"	5-5/16"	DS9610314	333.59	327.80	DS9620314	428.50	425.81
1-1/4"	5/8"	3/4"	5-1/8"	DS9610307	287.46	280.26	DS9620307	348.47	343.16
2"	5/8"	1"	5-11/16"	DS9610320	564.16	562.49	DS9620320	664.38	659.59
2"	3/4"	1"	5-11/16"	DS9610321	564.16	562.49	DS9620321	664.38	659.59

10667

Severance® Outside Deburring Cutters

High Speed Steel

- Shear-type cutting tooth design eliminates burrs on diameters of tubes and rods
- Shearing action cuts clean and reduces chatter
- One tool can handle various size parts
- May be reground many times
- Carbide available-call for pricing
- Shank required-sold separately-see ad below



60 Degrees					
Cutting Diameter	Recess Size	Mouth Size	Connection Thread Size	Order No.	Regular Price SALE
1/8	1/16	5/32"	1/4-28	BC5425430	88.08 79.29
3/16	5/32	7/32"	1/4-28	BC5425431	88.08 79.29
1/4	13/64	19/64"	1/4-28	BC5425432	88.08 79.29
5/16	.242	23/64"	1/4-28	BC5425433	88.08 79.29
3/8	9/32	7/16"	1/4-28	BC5425434	88.08 79.29
1/2	.332	9/16"	3/8-24	BC5425435	97.06 87.34
5/8	7/16	11/16"	3/8-24	BC5425436	105.70 95.18
3/4	17/32	53/64"	3/8-24	BC5425437	118.67 106.77
1	45/64	1-5/64"	1/2-20	BC5425438	157.60 141.88
1-1/4	7/8	1-21/64"	1/2-20	BC5425439	199.94 179.91
1-1/2	1-3/64	1-19/32"	5/8-18	BC5425440	245.09 220.56

90 Degrees					
Cutting Diameter	Recess Size	Mouth Size	Connection Thread Size	Order No.	Regular Price SALE
1/8	5/64	3/16"	1/4-28	BC5425460	88.08 70.46
1-1/2	3/4	1-19/32"	5/8-18	BC5425467	240.77 192.62
2	15/16	2-7/64"	3/4-16	BC5425468	426.86 341.49

Tools furnished without shanks - order shanks separately

22333

PRO CUT Taper Length Drill Sets

- High speed steel
- Ground from solid
- 118° Bright finish
- Complete with index
- Longer length drills for deep hole applications



Quantity	Diameter Range	Order No.	Regular Price	SALE
29	1/16" to 1/2"	AP50104E	425.82	255.49

MT1218184 is Surface Treated

10636



Metric Straight Shank Straight Flute Chucking Reamers

High Speed Steel

- Diameter tolerances:th-ru 12.50mm +.0002 -.000013.00 to 15.50mm +.0003 -.000016.00 to 25.00mm +.0001 +.0004
- Morse List #1655



Cutting Diameter (DC)	Length Chip Flute (LCF)	Overall Length (OAL)	HSS, Morse Cutting Tools			HSS, Morse Cutting Tools		
			Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
1 mm	1/2"	2-1/2"	MT5222350	41.58	38.75	-	-	-
1.5 mm	1/2"	2-1/2"	MT5222351	41.58	38.75	-	-	-
2 mm	3/4"	3"	MT5222352	30.13	28.64	-	-	-
2.5 mm	7/8"	3-1/2"	MT5222353	30.53	29.03	-	-	-
3 mm	7/8"	3-1/2"	MT5222354	33.22	31.60	-	-	-
3.5 mm	1"	4"	MT5222355	41.58	38.75	BD650350	29.74	17.84
4 mm	1"	4"	MT5222356	41.58	38.75	-	-	-
4.5 mm	1-1/8"	4-1/2"	MT5222357	44.46	41.22	BD650450	29.74	17.84
5 mm	1-1/4"	5"	MT5222358	49.88	45.91	-	-	-
5.5 mm	1-1/4"	5"	MT5222359	44.89	41.32	BD650550	36.27	21.76
6 mm	1-1/2"	6"	MT5222360	53.91	49.34	-	-	-
6.5 mm	1-1/2"	6"	MT5222361	53.91	49.34	BD650650	36.27	21.76
7 mm	1-1/2"	6"	MT5222362	60.09	54.66	-	-	-
7.5 mm	1-1/2"	6"	MT5222363	60.09	54.66	BD650750	40.78	24.47
8 mm	1-1/2"	6"	MT5222364	57.22	52.17	-	-	-
8.5 mm	1-1/2"	6"	MT5222365	64.34	58.31	BD650850	45.54	27.32
9 mm	1-3/4"	7"	MT5222366	64.99	58.89	BD650900	45.54	27.32
9.5 mm	1-3/4"	7"	MT5222367	65.23	58.89	BD650950	45.54	27.32
10 mm	1-3/4"	7"	MT5222368	70.49	63.63	-	-	-
10.5 mm	1-3/4"	7"	MT5222369	73.28	66.04	BD651050	49.42	29.65
11 mm	1-3/4"	7"	MT5222370	73.28	66.04	-	-	-
11.5 mm	1-3/4"	7"	MT5222371	79.80	71.54	-	-	-
12 mm	1-3/4"	7"	MT5222372	79.80	71.54	-	-	-
12.5 mm	1-3/4"	7"	MT5222373	79.80	71.54	BD651250	57.62	34.57
13 mm	1-3/4"	7"	MT5222374	98.81	87.89	-	-	-
13.5 mm	2"	8"	MT5222375	98.81	87.89	BD651350	64.20	38.52
14 mm	2"	8"	MT5222376	101.91	90.57	-	-	-
14.5 mm	2"	8"	MT5222377	101.91	90.57	BD651450	64.20	38.52
15 mm	2"	8"	MT5222378	101.91	90.57	-	-	-
15.5 mm	2"	8"	MT5222379	118.90	105.09	-	-	-
16 mm	2-1/4"	9"	MT5222380	122.12	107.91	-	-	-
16.5 mm	2-1/4"	9"	MT5222381	122.12	107.91	BD651650	83.79	50.27
17 mm	2-1/4"	9"	MT5222382	137.93	121.42	BD651700	83.79	50.27
17.5 mm	2-1/4"	9"	MT5222383	148.16	130.20	-	-	-
18 mm	2-1/4"	9"	MT5222384	148.16	130.20	-	-	-
18.5 mm	2-1/2"	9"	MT5222385	154.03	135.29	BD651850	96.60	57.96
19 mm	2-1/2"	9"	MT5222386	170.59	149.49	BD651900	102.27	61.36
19.5 mm	2-1/2"	9"	MT5222387	164.25	144.06	-	-	-
20 mm	2-1/2"	9"	MT5222388	175.83	153.91	-	-	-
20.5 mm	2-1/2"	9"	MT5222389	175.83	153.91	BD652050	108.26	64.96
21 mm	2-1/2"	9-1/2"	MT5222390	175.83	153.91	BD652100	122.71	73.63
21.5 mm	2-5/8"	10"	MT5222391	204.95	178.92	BD652150	122.71	73.63
22 mm	2-5/8"	10"	MT5222392	204.95	178.92	BD652200	123.34	74.00
22.5 mm	2-5/8"	10"	MT5222393	209.30	182.70	-	-	-
23 mm	2-5/8"	10"	MT5222394	209.30	182.70	BD652300	133.48	80.09
23.5 mm	2-5/8"	10"	MT5222395	224.18	195.47	BD652350	133.48	80.09
24 mm	2-5/8"	10"	MT5222396	224.18	195.47	BD652400	133.48	80.09
24.5 mm	2-5/8"	10"	MT5222397	224.18	195.47	BD652450	146.02	87.61
25 mm	2-3/4"	10-1/2"	MT5222398	238.04	207.38	-	-	-

10634



Center Drills

Plain Type 60°

- Right hand
- High speed steel



Size	Drill Bit Size / Cutting Diameter (DC)	Overall Length (OAL)	Order No.	Regular Price	SALE
#0	1/32"	1-1/4"	AV4210032	13.76	10.98
#1	1/8"	1-1/4"	AV4110100	9.59	7.66
#2	3/16"	1-7/8"	AV4110200	10.02	8.00
#3	1/4"	2"	AV4110300	10.44	8.33
#4	5/16"	2-1/8"	AV4110400	10.77	8.60
#4.5	3/8"	2-1/2"	AV4114500	14.85	11.88
#5	7/16"	2-3/4"	AV4110500	17.09	13.64
#6	1/2"	3"	AV4110600	25.69	20.52
#7	5/8"	3-1/4"	AV4110700	38.95	31.10
#8	3/4"	3-1/2"	AV4110800	53.51	42.73
#9	7/8"	3-5/8"	AV4110900	97.09	77.53
#10	1"	3-3/4"	AV4111000	127.46	101.78

22469

**Uniflute® Countersinks****High Speed Steel**

- For general purpose countersinking, chamfering or deburring
- Self piloting and completely chatterless
- Easily resharpened



Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Overall Length (OAL)	82 Degrees			90 Degrees		
			Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
1/4"	1/4"	2"	BC7061056	17.02	12.24	BC7061061	17.02	12.24
3/8"	1/4"	2"	BC7061081	19.33	13.82	BC7061086	19.33	13.82
1/2"	1/4"	2"	BC7061106	23.56	16.85	BC7061111	23.56	16.85
5/8"	1/4"	2-1/4"	BC7061131	31.46	22.46	BC7061136	31.46	22.46
3/4"	1/2"	2-3/4"	BC7061156	45.93	32.81	BC7061161	45.93	32.81
1"	1/2"	2-3/4"	BC7061181	76.51	54.71	BC7061186	76.51	54.71
1-1/4"	1/2"	3"	BC7061206	149.67	107.05	BC7061211	149.67	107.05
1-1/2"	3/4"	3-1/2"	BC7061221	202.64	144.92	BC7061226	202.64	144.92

†Straight shank with tang drive.

23769

Starrett® Univerz® Portable Bands

With Starrett Bi-Metal Unique Technology



Teeth per Inch (TPI)	Length	Width (W)	Thickness (H)	Order No.	Regular Price	SALE
10	44-7/8"	1/2"	0.02"	FX83BM10	25.63	17.57
14	44-7/8"	1/2"	0.02"	FX83BM14	25.63	17.57
18	44-7/8"	1/2"	0.02"	FX83BM18	25.63	17.57
24	44-7/8"	1/2"	0.02"	FX83BM24	25.63	17.57
10/14 VT	44-7/8"	1/2"	0.02"	FX83BM1014	25.63	17.57
14/18 VT	44-7/8"	1/2"	0.02"	FX83BM1418	25.63	17.57

† Sold in sleeves (3 per sleeve) only. Sleeve cannot be broken

25065

HSS GP Multi-Flute Single End Mills

List 4550G - High Speed Steel - Square End - Center Cutting - TiN Coated



Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Depth of Cut Maximum (APMX)	Overall Length (OAL)	Flute Count (NOF)	Order No.	Regular Price	SALE
17/32"	1/2"	1-3/8"	3-3/8"	4	MT2296096	87.16	61.26
5/8"	1/2"	1-3/8"	3-3/8"	4	MT2296098	104.82	73.76
1/8"	3/8"	3/8"	2-5/16"	4	MT2296100	38.09	27.20
5/32"	3/8"	1/2"	2-3/8"	4	MT2296102	33.19	23.79
3/16"	3/8"	1/2"	2-3/8"	4	MT2296104	38.14	27.20
7/32"	3/8"	5/8"	2-7/16"	4	MT2296106	39.05	28.34
1/4"	3/8"	5/8"	2-7/16"	4	MT2296108	36.23	26.06
9/32"	3/8"	3/4"	2-1/2"	4	MT2296110	39.09	28.34
5/16"	3/8"	3/4"	2-1/2"	4	MT2296112	36.27	26.05
11/32"	3/8"	3/4"	2-1/2"	4	MT2296114	40.08	28.33
3/8"	3/8"	3/4"	2-1/2"	4	MT2296116	40.08	28.33
13/32"	3/8"	1"	2-11/16"	4	MT2296118	56.01	39.68
7/16"	3/8"	1"	2-11/16"	4	MT2296120	53.59	38.55
15/32"	1/2"	1-1/4"	3-1/4"	4	MT2296122	66.05	46.50
1/2"	1/2"	1-1/4"	3-1/4"	4	MT2296124	48.89	35.15
9/16"	1/2"	1-3/8"	3-3/4"	4	MT2296125	94.11	66.95
5/8"	5/8"	1-5/8"	3-3/4"	4	MT2296126	80.95	57.87
11/16"	5/8"	1-5/8"	3-5/8"	4	MT2296127	108.67	77.17
13/16"	3/4"	1-7/8"	4"	4	MT2296129	158.40	112.37
7/8"	3/4"	1-7/8"	4-1/8"	4	MT2296130	175.34	123.73
1"	1"	2"	4-1/2"	4	MT2296132	173.39	122.59
3/4"	5/8"	1-5/8"	3-3/4"	4	MT2296133	139.37	98.74
1"	3/4"	2"	4-1/8"	4	MT2296134	205.39	145.30
1-1/8"	1"	2"	4-1/2"	4	MT2296135	221.84	156.66
1-1/4"	1"	2"	4-1/2"	6	MT2296136	312.34	220.25
1-1/2"	1-1/4"	2"	4-1/2"	6	MT2296138	399.80	281.59

29172

**Straight Shank Drills - 8" and 10" Overall Length****High Speed Steel****• 118° Point**

- For general purpose drilling in applications where extra reach is required
- See index for extra long taper shank drills
- Precision Twist List #0860

Tool Diameter	ProCut, Overall Length (OAL) - 8", Flute Length - 6"			ProCut, Overall Length (OAL) - 10", Flute Length - 8"		
	Order No.	Price	SALE	Order No.	Price	SALE
1/8"	AM50008	26.31	11.28	AM51008	34.36	14.51
9/64"	AM50009	26.66	11.44	AM51009	29.79	12.57
5/32"	AM50010	26.95	11.45	AM51010	29.79	12.57
11/64"	AM50011	29.60	12.58	AM51011	33.22	14.03
3/16"	AM50012	29.60	12.58	AM51012	33.22	14.03
13/64"	AM50013	29.60	12.58	AM51013	33.22	14.03
7/32"	AM50014	29.60	12.58	AM51014	33.22	14.03
15/64"	AM50015	29.96	17.98	AM51015	33.96	20.38
1/4"	AM50016	29.96	12.73	AM51016	33.96	14.35
17/64"	AM50017	33.22	19.93	AM51017	37.17	22.30
9/32"	AM50018	32.89	14.03	AM51018	37.17	15.80
19/64"	AM50019	33.22	19.93	AM51019	38.54	23.12
5/16"	AM50020	33.96	14.35	AM51020	39.27	16.60
21/64"	AM50021	37.95	22.77	AM51021	42.50	25.50
11/32"	AM50022	37.95	16.12	AM51022	42.85	18.21
23/64"	AM50023	39.83	23.90	AM51023	44.42	26.65
3/8"	AM50024	39.83	16.93	AM51024	44.42	18.86
25/64"	AM50025	42.85	25.71	AM51025	48.58	29.15
13/32"	AM50026	35.60	18.22	AM51026	48.58	20.64
27/64"	AM50027	44.42	26.65	AM51027	49.14	29.48
7/16"	AM50028	44.00	18.86	AM51028	49.14	20.80
29/64"	AM50029	50.19	30.11	AM51029	55.83	33.50
15/32"	AM50030	50.72	21.45	AM51030	55.83	23.86
31/64"	AM50031	51.42	30.85	AM51031	57.34	34.40
1/2"	AM50032	51.42	21.77	AM51032	57.88	24.51

24474

**Heavy Duty Cobalt Screw Machine Drills****Cobalt - 135° Split Point**

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

Drill Bit Size / Cutting Diameter (DC)	Cutting Depth	Overall Length (OAL)	Order No.	Regular Price	SALE
1/16"	5/8"	1-5/8"	PT1840304	7.63	6.53
5/64"	11/16"	1-11/16"	PT1840305	7.66	6.53
3/32"	3/4"	1-3/4"	PT1840306	7.63	6.53
7/64"	13/16"	1-13/16"	PT1840307	8.65	7.62
1/8"	7/8"	1-7/8"	PT1840308	9.90	7.62
9/64"	15/16"	1-15/16"	PT1840309	10.03	7.63
5/32"	1"	2-1/16"	PT1840310	10.88	8.72
11/64"	1-1/16"	2-1/8"	PT1840311	12.33	8.73
13/64"	1-3/16"	2-1/4"	PT1840313	16.51	10.93
15/64"	1-5/16"	2-7/16"	PT1840315	20.11	13.09
1/4"	1-3/8"	2-1/2"	PT1840316	20.20	13.10
17/64"	1-7/16"	2-5/8"	PT1840317	23.73	15.28
5/16"	1-5/8"	2-13/16"	PT1840320	31.28	18.65
3/8"	1-13/16"	3-1/8"	PT1840324	43.23	25.22
13/32"	1-15/16"	3-5/16"	PT1840326	51.09	29.63
1/2"	2-1/4"	3-3/4"	PT1840332	69.39	38.39

24345

ABRASIVES

3M Scotch-Brite™ Bristle Discs for Angle Grinders

- 4-1/2" Diameter with 5/8" trim length and 5/8-11 arbor hole
- Continuous supply of mineral in abrasive-filled bristles provides a high cut rate and more uniform finish
- Discs are designed to resist loading, extending service life
- Use with angle grinders with 5/8-11 spindle
- Flexible yet durable bristles conform to the workpiece without damaging base material
- Available in 3 grades: 50 (green), 80 (yellow) and 120 (white)



Diameter	Grit	Maximum RPM	Color	Standard Pack	Order No.	Regular Price	SALE
4 1/2"	120	12,000	White	40	TM3124243	55.47	48.26
4 1/2"	50	12,000	Green	40	TM3124241	55.47	48.26
4 1/2"	80	12,000	Yellow	40	TM3124242	55.47	48.26

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3M Scotch-Brite™ Roloc™ Surface Conditioning Discs

- Scotch-Brite™ Roloc™ surface non-woven web provides a burr free decorative finish
- Removes grind marks, rust and coatings
- Roloc TR plastic button



Diameter	Maximum RPM	Grade	Color	Standard Pack	Order No.	Regular Price	SALE
1"	30000	Medium	Maroon	200	TM2115392	1.60	1.46
1"	30000	Very Fine	Teal	200	TM2115391	1.60	1.46
1 1/2"	30000	Coarse	Brown	50	TM2108764	1.67	1.52
1 1/2"	30000	Medium	Maroon	50	TM2108765	1.67	1.52
1 1/2"	30000	Very Fine	Teal	50	TM2108766	1.67	1.52
2"	25000	Coarse	Brown	50	TM2105528	2.42	2.20
2"	25000	Medium	Maroon	50	TM2105527	2.42	2.20
2"	25000	Very Fine	Teal	50	TM2133791	2.59	2.20
2"	25000	Very Fine	Teal	50	TM2105523	2.42	2.20
3"	18000	Coarse	Brown	25	TM2105532	4.47	4.07
3"	18000	Medium	Maroon	25	TM2105531	4.47	4.07
3"	18000	Very Fine	Teal	25	TM2105530	4.47	4.07
4"	12000	Coarse	Brown	4	TM2312954	6.48	5.96

Holder: MM59-64922

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SURF PRO Boat Bricks

Die Finishing Stones

- Dimensions: 1-1/2 x 2-1/2 x 9" - 7 Grits available
- Used in Tool & Die Shops and the Mold Making Industry



Color	Grade	Grit	Hardness	Abrasive Material	Order No.	Regular Price	SALE
Buff Coarse	Coarse	60	Rough and Finish	Aluminum Oxide	MJ50115	31.41	23.56
Buff Fine	Fine	120	Fine Finishing	Aluminum Oxide	MJ50120	31.41	23.56
Gray	-	46	Roughing	Silicon Carbide	MJ50100	31.41	23.56
Green	-	80	Finishing	Silicon Carbide	MJ50125	37.63	28.22
Porous Green	-	80	Semi Finishing	Silicon Carbide	MJ50130	37.63	28.22
Red	-	60	Rough and Finish	Aluminum Oxide	MJ50105	31.41	23.56
White	-	60	Rough and Finish	Aluminum Oxide	MJ50110	31.41	23.56

170

3 Pc. Boron Carbide Hand Lapper Set

- Red Color Lapper - 240 Grit
- Green Color Lapper - 320 Grit
- Yellow Color Lapper - 400 Grit
- Ideal for honing cutting edges
- Long life and economical
- These lappers are more effective when used with oil
- Can be used to hone surfaces on all types of metals including tungsten carbide



Order No.	Regular Price	SALE
MN50HL3	125.45	87.81

172

CGW Fast Cut Stationary Saw Wheels

- Aluminum oxide grain for use on metal, steel and general applications



Diameter	Thickness	Arbor Hole	Specification	Maximum RPM	Standard Pack	Order No.	Regular Price	SALE
12"	1/8"	1"	A24-RBF	5100	10	MG9070105	11.02	8.27
20"	5/32"	1"	A24-RBF	3100	10	MG9070108	49.25	36.94
20"	3/16"	1"	A24-RBF	3100	10	MG9070109	55.50	41.63
20"	3/16"	1"	A24-RBF	3100	10	MG9070147	53.30	45.31

215

CGW Resin Fiber Discs

Zirconia Alumina:

High concentration of Zirconia and heat-treated AO grain provides twice the cutting action of premium AO discs and is extremely heat resistant

Premium Aluminum Oxide:

- Designed for long life, high stock removal and cool cutting action on metal & welds.



Diameter - 4 1/2"							
Zirconia Alumina				Aluminum Oxide			
Arbor Hole	Grit	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
7/8"	36	MG9048102	1.89	1.32	MG9048012	1.27	0.89
7/8"	50	MG9048104	1.74	1.22	MG9048014	1.20	0.84
7/8"	60	MG9048105	1.60	1.12	MG9048015	1.13	0.79
7/8"	80	MG9048106	1.57	1.10	MG9048016	1.11	0.78
7/8"	100	-	-	-	MG9048017	1.11	0.78
7/8"	120	-	-	-	MG9048018	1.11	0.78

Diameter - 5"							
Zirconia Alumina				Aluminum Oxide			
Arbor Hole	Grit	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
7/8"	16	-	-	-	MG9048020	1.85	1.30
7/8"	24	MG9048111	2.10	1.47	MG9048021	1.50	1.05
7/8"	36	MG9048112	1.96	1.37	MG9048022	1.43	1.00
7/8"	50	MG9048114	1.85	1.30	MG9048024	1.34	0.94
7/8"	60	MG9048115	1.67	1.17	MG9048025	1.20	0.84
7/8"	80	MG9048116	1.64	1.15	MG9048026	1.18	0.89

Diameter - 7"							
Zirconia Alumina				Aluminum Oxide			
Arbor Hole	Grit	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
7/8"	16	MG9048030	-	-	2.91	-	2.47
7/8"	24	MG9048031	-	-	2.59	-	2.12
7/8"	36	MG9048032	-	-	2.42	-	2.06
7/8"	50	MG9048034	-	-	2.35	-	1.93
7/8"	60	MG9048035	-	-	2.27	-	1.93
7/8"	80	MG9048036	-	-	2.20	-	1.80
7/8"	100	MG9048037	-	-	2.20	-	1.80
7/8"	120	MG9048038	-	-	2.20	-	1.80

185

DIESMCONID® Huntington Pattern

Hooded Grinding Wheel Dresser Model No. 0

- Replacement cutter sets are available Designed for dressing, truing & removing glaze
- Fulfills most general dressing needs where fast dressing is required
- Cutters have a star shaped teeth that expose new abrasive grains
- For up to 10" diameter wheels with 2" face or less



Wheel Diameter	Face Width	Order No.	Regular Price	SALE
Up to 10"	2"	LG500	41.17	32.94
10" - 16"	3"	LG501	48.75	39.00
16" - 36"	3 1/2"	LG502	66.68	53.34

343

NORTON Pocket Stones

- Convenient and easily transported
- Available in a protective case
- Ideal for outdoor enthusiasts for sharpening scissors, knives, axes, etc.



Overall Length	Width	Thickness	Grade	Order No.	Regular Price	SALE
4"	3/4"	1/4"	Fine	MH6424153	26.39	18.48

475

SURF PRO Economy Diamond Wheel Dressers

- For dressing vitrified grinding wheels



	Shank Diameter - 3/8", Shank Length - 3"			Shank Diameter - 7/16", Shank Length - 3"		
Diamond Carat Size	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
1/4"	MN45ED025A	10.09	7.40	MN45ED025B	10.09	7.40
1/2"	MN45ED050A	16.55	11.95	MN45ED050B	16.55	11.95
1"	MN45ED100A	32.41	23.88	MN45ED100B	32.41	23.88
1-1/2"	MN45ED150A	50.86	37.26	MN45ED150B	50.86	37.26
2"	MN45ED200A	62.83	46.40	MN45ED200B	62.83	46.40

674

STRAUSS & CO. 5 Pc. NF File Sets

- Includes: Equalling, 1/2 Round, 3-Square, Square & Round



Grade	Order No.	Regular Price	SALE
Coarse	MN51C4205	198.40	148.85
Fine	MN51F4205	198.40	148.81
Medium	MN51M4205	198.40	148.85

25096

SURF PRO High Performance Cut-Off Wheels

- High performance aluminum oxide grain
- Thin width for minimal material loss
- Double reinforced
- Quick, clean cuts and longer wheel life
- Less down time for wheel changes
- Reduced cost, increased productivity



Diameter	Thickness	Arbor Hole	Wheel Type	Order No.	Regular Price	SALE
4 1/2"	.045"	7/8"	Type 1	SP014504578HPA	2.17	1.56
6"	.045"	7/8"	Type 1	SP010604578HPA	4.59	3.08

680

SURF PRO Cup Wire Brushes

- Easily reaches into narrow or recessed areas for quick material removal
- For general use including cleaning and rust removal
- For scale removal, deburring, weld cleaning and flat surfaces



Diameter	Arbor Hole	Bristle Diameter	Style	Maximum RPM	Material	Order No.	Regular Price	SALE
2 3/4"	5/8"-11"	0.014"	Knot Wire	12,500	Carbon Steel	SP25CB2345114CK	22.06	13.47
2 3/4"	5/8"-11"	0.014"	Knot Wire	12,500	Carbon Steel	SP25CB2345120CK	22.54	13.79
4"	5/8"-11"	0.020"	Knot Wire	8,500	Carbon Steel	SP25CB4005120CK	32.34	23.93

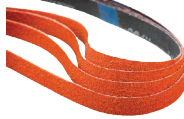
686

NORTON BLAZE Belts for Portable Sanders**Blaze Belts**

- Lasts 50% to 200% longer on mild and carbon steel, stainless, cobalt, chrome, inconel, and titanium
- Cuts cooler and 30% faster than current generation belts
- Lowers total grinding cost

New Improved Y-Weight Polyester Cloth Back

- Better grain adhesion - edge fray resistance
- More consistent grind throughout extended belt life



Width	Length	Grit	Standard Pack	Order No.	Regular Price	SALE
1/2"	12"	40	200	MH61B0098018	5.32	4.36
1/2"	12"	60	200	MH61B0098019	5.06	4.15
1/2"	12"	80	200	MH61B0098020	4.88	4.00
1/2"	18"	40	200	MH61B0098021	5.63	4.62
1/2"	18"	60	200	MH61B0098022	5.35	4.39
1/2"	18"	80	200	MH61B0098023	5.14	4.21
1/2"	24"	40	200	MH61B0098024	6.20	5.08
1/2"	24"	60	200	MH61B0098025	5.78	4.74
1/2"	24"	80	200	MH61B0098026	5.35	4.39
3/4"	18"	40	200	MH61B0098027	6.31	5.05
3/4"	18"	60	200	MH61B0098028	5.89	4.83
3/4"	18"	80	200	MH61B0098029	5.53	4.53
3/4"	20-1/2"	40	200	MH61B0098030	6.46	5.17
3/4"	20-1/2"	60	200	MH61B0098031	6.20	4.96
3/4"	20-1/2"	80	200	MH61B0098032	5.81	4.76

10727

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



Surface Conditioning				
Diameter	Grade	Order No.	Regular Price	SALE
1-1/2"	CRS	MM6410550	1.97	1.31
2"	CRS	MM6410544	2.56	1.63
2"	MED	MM6410554	2.48	1.65
2"	VFN	MM6410546	2.48	1.65
3"	CRS	MM6410547	4.70	2.78
3"	MED	MM6410548	4.45	2.77
3"	VFN	MM6410549	4.45	2.77

2" Holder Roll-On MM59-64922 - Turn-On MM59-64198
 3" Holder Roll-On MM59-64949 - Turn-On MM59-64113

10738

SURF PRO Wheel Dresser Sticks

Rapid, economical way to dress grinding wheels.



Width	Thickness	Overall Length	Order No.	Regular Price	SALE
1"	1"	6"	MJ55116	11.34	6.71
1"	1"	8"	MJ55118	12.96	9.35

25467

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)



		Type 29			Type 27		
Grit	Maximum RPM	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
36	13,300	-	-	-	SP11FD457A7036Z	4.89	3.66
40	13,300	SP11FD457A9040Z	4.89	3.66	SP11FD457A7040Z	4.89	3.66
60	13,300	SP11FD457A9060Z	4.89	3.66	SP11FD457A7060Z	4.89	3.66
80	13,300	SP11FD457A9080Z	4.89	3.66	SP11FD457A7080Z	4.89	3.66

Also available in trimmable back and zirc plus.

22377

3M Abrasive Belts - 241D

- Aluminum oxide - X wt. cloth
- Excellent all around abrasive belt for blending and finishing

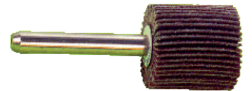


Width	Length	Grit	Order No.	Regular Price	SALE
1"	42"	60	TM1001450	4.37	3.71
1"	42"	80	TM1001451	3.96	3.37
1"	42"	100	TM1001452	3.70	3.22
1"	42"	120	TM1001453	3.70	3.22
6"	48"	60	TM1001457	19.26	15.79
6"	48"	80	TM1010454	17.50	14.88
6"	48"	100	TM1010455	16.41	13.46
6"	48"	120	TM1010456	16.41	13.46
2"	72"	180	TM1026309	7.04	5.98
2"	72"	60	TM1026316	8.25	7.01
2"	72"	80	TM1033067	7.50	6.15
2"	72"	240	TM1081752	7.04	5.98

22576

CGW Coated Abrasive Mounted Flap Wheels

- Aluminum oxide abrasive - resin bond cloth
- Mounted on 1/4" hardened steel shanks
- Ideal for finishing
- Packed 10 per box



Diameter	Face Width	Grit	Order No.	Regular Price	SALE
1"	1"	120	MH50143120	7.32	4.35
1"	1"	60	MH5014360	7.32	4.35
1"	1"	80	MH5014380	7.32	4.35
1 1/2"	1"	120	MH50155120	9.02	5.37
1 1/2"	1"	60	MH5015560	9.02	5.37
1 1/2"	1"	80	MH5015580	9.02	5.37
2"	1"	120	MH50163120	10.72	6.37
2"	1"	60	MH5016360	10.65	6.34
2"	1"	80	MH5016380	10.65	6.34
2 1/2"	1"	120	MH50171120	15.08	8.97
2 1/2"	1"	60	MH5017160	14.83	8.84
2 1/2"	1"	80	MH5017180	14.83	8.84
3"	1"	120	MH50179120	17.40	10.36
3"	1"	60	MH5017960	16.46	9.81
3"	1"	80	MH5017980	16.46	9.81

22848

CGW Zirconia Premium Small Cut-Off Wheels - Type 1

- ZA: Zirconia aluminum oxide - metal, steel and stainless
- Longer lasting life and easy cutting action



Diameter	Thickness	Arbor Hole	Specification	Maximum RPM	Order No.	Regular Price	SALE
3"	1/16"	1/4"	ZA36-TBF	23900	MG9036173	4.19	3.44
3"	1/16"	3/8"	ZA36-TBF	23900	MG9036174	4.19	3.44
3"	1/32"	1/4"	ZA60-TBF	23900	MG9036175	4.02	3.30
3"	1/32"	3/8"	ZA60-TBF	23900	MG9036176	4.02	3.30
4"	1/16"	3/8"	ZA36-TBF	19100	MG9036178	5.54	4.32
4"	1/32"	1/4"	ZA60-TBF	19100	MG9036179	3.95	3.42
4"	1/32"	3/8"	ZA60-TBF	19100	MG9036180	4.73	3.88

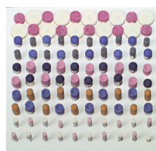
22877

ABRASIVES

Griener Mounted Point Kits

Tool Room Assortment

- Convenient storage box
- Use on die or in-line/straight shaft grinders
- Blending contours
- Deburring molded parts and mold finishing
- ID grinding, offhand bench grinding, tool and die
- Shank length: 1-1/2"



Spindle Diameter	Number of Pieces	Order No.	Regular Price	SALE
1/8"	100 Piece Assortment	ML50MP100	139.24	102.06
1/4"	50 Piece Assortment	ML50MP50	139.24	102.06

23264

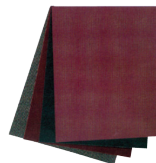
NORTON Abrasive Sheets - 9" x 11"

Aluminum Oxide Cloth Sheets - Metalworking

- Aluminum oxide with high temperature resin bond
- Long life and sharp, fast, cutting action
- Use on carbon & alloy steels, all metals & hard wood

Silicon Carbide Waterproof Paper Sheets - Metalworking & Woodworking

- Ideal for all materials, and prepaint applications
- Waterproof
- Standard pack: 60, 80 Grit, 25 pack - 100-800 grit, 50 pack



Aluminum Oxide				
Grit	Sheets Per Package	Order No.	Regular Price	SALE
P60	25	MH61S91101861	3.89	2.92
P80	25	MH61S91126340	3.31	2.48
P100	50	MH61S91126339	3.07	2.21
P120	50	MH61S91126338	3.07	2.21
P150	50	MH61S91126337	3.07	2.21
P180	50	MH61S91126336	3.07	2.21
P240	50	MH61S91126334	3.07	2.21
P320	50	MH61S91126332	3.07	2.21

Silicon Carbide				
Grit	Sheets Per Package	Order No.	Regular Price	SALE
180	50	MH61S91101150	2.89	2.06
220	50	MH61S91139367	2.56	1.87
240	50	MH61S91139366	2.56	1.87
320	50	MH61S91139364	2.56	1.87
400	50	MH61S91139362	2.56	1.87
500	50	MH61S91139361	2.56	1.87
600	50	MH61S91139360	2.56	1.87

24112

NORTON Silicon Carbide Bench Wheels

- 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



Diameter - 6", Width - 1/2", Arbor Hole - 1"					
Grade	Maximum RPM	Standard Pack	Order No.	Regular Price	SALE
Medium Grit	4,140	1	MH60060036571	76.83	57.62
Medium Grit	4,140	1	MH60060036572	76.83	57.62
Fine Grit	4,140	1	MH60060036573	76.83	57.62

Diameter - 6", Width - 1", Arbor Hole - 1"					
Grade	Maximum RPM	Standard Pack	Order No.	Regular Price	SALE
Medium Grit	4,140	1	MH60060037187	95.20	68.54
Medium Grit	4,140	1	MH60060037193	95.20	68.54
Fine Grit	4,140	1	MH60060037194	95.20	68.54

Diameter - 6", Width - 3/4", Arbor Hole - 1"					
Grade	Maximum RPM	Standard Pack	Order No.	Regular Price	SALE
Medium Grit	4,140	1	MH60060037190	82.36	57.65
Medium Grit	4,140	1	MH60060037191	82.36	57.65
Fine Grit	4,140	1	MH60060037192	82.36	57.65

Diameter - 7", Width - 1", Arbor Hole - 1"					
Grade	Maximum RPM	Standard Pack	Order No.	Regular Price	SALE
Medium Grit	3,600	1	MH60070042300	116.30	81.41
Medium Grit	3,600	1	MH60070042301	116.30	81.41
Fine Grit	3,600	1	MH60070042302	116.30	81.41

24160

SUPERIOR ABRASIVES Quick Change Disc

Holders

- Roll-On (TR) features nylon screw type thread
- Turn-On (TS) features metal to metal quick change system



Diameter	Order No.	Regular Price	SALE
2"	MM5964198	21.04	18.49
2"	MM5964922	21.07	18.93
3"	MM5964949	26.63	23.80

25121

SURF PRO 6" x 9" Non-Woven Hand Pads

- Excellent for hand finishing and cleaning of woods, metals and composites
- Ideal for wood finishing, paint prep and general cleaning
- Priced each / sold in standard pack (20) only



Standard Pack	Color	Feature	Abrasive Material	Grade	Order No.	Regular Price	SALE
20	Green	Scouring	Aluminum Oxide	Very Fine	SP22HP69GNVFN	2.09	1.63
20	Light Gray	Cleaning	Silicon Carbide	Ultra Fine	SP22HP69GYUFNS	2.32	1.71
20	Maroon	General Purpose	Aluminum Oxide	Very Fine	SP22HP69MAVFN	2.14	1.58
20	Tan	Heavy Duty	Aluminum Oxide	Medium	SP22HP69TNMEDA	3.36	2.46

25138

SURF PRO Aluminum Oxide Shop

Rolls

- Ideal for cleaning and deburring metal surfaces
- Convenient packaging
- Flexible cloth backing
- Cut or tear to required length
- 50 Yard rolls



1"					1 1/2"			2"		
Grit	Order No.	Regular Price	SALE		Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
-	-	-	-		-	-	-	SP12SR20CRO	89.04	67.39
40	SP12SR10040A	26.08	24.03		SP12SR15040A	33.91	25.60	SP12SR20040A	48.89	37.09
50	SP12SR10050A	25.55	23.50		SP12SR15050A	36.57	25.60	SP12SR20050A	47.94	36.05
60	SP12SR10060A	24.74	22.78		SP12SR15060A	35.50	26.64	SP12SR20060A	46.51	35.01
80	SP12SR10080A	23.56	21.73		SP12SR15080A	33.82	25.60	SP12SR20080A	44.32	33.96
100	SP12SR10100A	22.92	21.10		SP12SR15100A	33.18	25.60	SP12SR20100A	42.95	32.91
120	SP12SR10120A	22.92	21.10		SP12SR15120A	33.18	25.60	SP12SR20120A	42.95	32.91
150	SP12SR10150A	22.96	21.21		SP12SR15150A	33.17	25.60	SP12SR20150A	42.95	32.91
180	SP12SR10180A	22.92	21.10		SP12SR15180A	33.17	25.60	SP12SR20180A	42.95	32.91
220	SP12SR10220A	22.96	21.21		SP12SR15220A	33.17	25.60	SP12SR20220A	42.95	32.91
240	SP12SR10240A	22.96	18.91		SP12SR15240A	33.17	27.07	SP12SR20240A	42.95	32.91
320	SP12SR10320A	22.96	17.24		SP12SR15320A	33.17	27.07	SP12SR20320A	42.95	32.91
400	SP12SR10400A	22.96	17.24		SP12SR15400A	33.12	25.60	SP12SR20400A	42.95	32.91

25149

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	Maximum RPM	Order No.	Regular Price	SALE
36	25000	TM1122398	2.00	1.70
50	25000	TM1122399	1.92	1.63
60	20000	TM1122400	1.81	1.48
80	25000	TM1122401	1.69	1.47

Holder: MM59-64922

22599

SURF PRO Thin Flex Cut-Off Wheels

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



Diameter	Arbor Hole	Thickness	Grit	Order No.	Regular Price	SALE
4 1/2"	7/8"	.035"	60	SP010450357160Z	3.77	3.09
5"	7/8"	.040"	60	SP010500407160Z	4.28	3.08
6"	7/8"	.040"	60	SP010600407160Z	4.84	3.08

25178

POWER TOOLS

Prices effective **July 1** through **September 30 2025**

Air Supreme® Air Powered Impact Wrenches - 1/2" Drive



1947

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



1957

PRM PRO Pneumatic Cut Off Tool & Right Angle Grinder Kit

Kit Includes:

- 1/4" Right angle die grinder
- 3" Cut-off tool
- 3 - Abrasive cut-off wheels
- 5 - Mounted points with 1/8" shank
- 5 - Mounted points with 1/4" shank
- 3 - Spanner wrenches
- 1 - Blow molded case
- 1 - Air fitting



1960

air turbine tools® High Flow Filter/Regulator

- Filter provides a high performance, space saving combination unit
- Ideal for use in high flow applications that require regulated, high quality air



1964

COILHOSE PNEUMATICS Typhoon™ 1/4" NPT Blow Gun With High Flow Tip

- Maximum flow for easy clean-up and blow-off of even the heaviest shavings and chips
- Lightweight and ergonomic
- 1/4" NPT up to 34 CFM at 125 PSI and 2.1 lbs of thrust
- OSHA compliant



1977

GUARD AIR CORPORATION 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
- Purolator 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



Long John®



Whisper Jet®

Extension Size	Long John®			Whisper Jet®			Blo-Hard Air Blow Gun		
	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
6"	-	-	-	LW5580LJ6	58.35	46.68	-	-	-
12"	-	-	-	LW5580LJ12	60.98	48.78	-	-	-
18"	-	-	-	LW5580LJ18	63.62	50.90	-	-	-
24"	-	-	-	LW5580LJ24	66.24	52.99	-	-	-
36"	-	-	-	LW5580LJ36	71.51	57.21	-	-	-
60"	LW5575LJ60	77.96	62.37	LW5580LJ60	82.06	65.65	LW55900LJ60	66.29	53.03

2218

DYNABRADE 1.3 HP Right Angle Grinder

4-1/2" Diameter, 12,000 RPM

- For fast weld removal, rust and scale removal and heavy deburring
- Ideal for use with Type 27 grinding wheels

Specifications:

- Weight 4.5 lbs
- 1.3 HP @ 12,000 RPM
- 4-1/2" Diameter
- 5/8-11 Spindle
- Rear exhaust
- Hose size 3/8"



Order No.	Regular Price	SALE
PF3052632	1,390.34	1,108.70

2149

DYNABRADE Dynaflex® II Abrasive Belt Machine For 18" Long Belts

Model 40320

Grind, deburr, blend and polish, on metal, plastic, fiberglass, composites, rubber, glass and more.

- Includes 11206 Contact Arm for 3/4" W x 18" L abrasive belts
- Ideal for use with coated abrasive and non-woven nylon belts!
- Grind off contact wheel or platen pad. Finish & polish using slack of belt



Belt Length	Belt Width	Maximum RPM	Horsepower	Air Inlet Size	Order No.	Regular Price	SALE
18"	3/4"	20,000	0.50 hp	1/4" NPT	PF3040320	1,167.75	898.70

2166

DYNABRADE 'The Original' Dynaflex® Abrasive Belt Machine

Model 14000

- Composite belt guard
- Replaces tedious hand filing and sanding
- Belt housing has larger opening for belt tracking and operation
- Lightweight, thermal-insulated composite motor housing reduces vibration and cold air transmission to operator
- Adjustable speed to 5,800 surface feet per minute
- Work in areas as small as 3/8" diameter
- They Dynaflex accepts over 30 interchangeable contact arms



Belt Length	Belt Width	Maximum RPM	Horsepower	Air Inlet Size	Order No.	Regular Price	SALE
24"	1/2"	20,000	0.50 hp	1/4" NPT	PF3014000	1,187.06	983.33

2167

POWER TOOLS



Electric Dynafile® II Abrasive Belt Machine

Model 40610

- 11203 Contact Arm for 1/2" W x 18" L abrasive belts
- Accepts interchangeable contact arm for use with abrasive belts 1/4" to 3/4" W x 18" L

Specifications:

- Weight 5.5 lbs, 87 dBA
- 5 Amps @ 12,000 RPM
- Maximum SFPM 2,760
- 120 Volts



Belt Width	Belt Length	Maximum RPM	Order No.	Price	SALE
1/2"	18"	12,000	PF3040501	925.90	794.59
1/2"	18"	12,000	PF3040500	679.59	583.55

2182



Chicago Pneumatic

Air Powered Grinders

- General maintenance applications
- Productivity and control ideal for moldings and general high-speed polishing and grinding
- Robust aluminum alloy body
- CP streamline safety lever Built-in air regulator
- Includes 1/4" and 6mm collets



Type	Features and Benefits	Max. RPM	Average Air Consumption	Air Inlet Size	Order No.	Regular Price	SALE
Economy Die Grinder	22,000 RPM, 1/4" and 6mm collet, lock-off throttle, speed and power, precision control and safety, excellent tool for general high speed polishing and grinding	22,000	13 CFM	1/4" NPT	PF-50CP872	243.39	207.32
Right Angle	Mini angle grinder compact, lightweight design, 90° angle head allows flexibility in confined areas	22,500	11 CFM	1/4" NPT	PF-50CP875	238.87	192.17

22943



Chicago Pneumatic

Air Powered Sanders

- Chicago Pneumatic tools are engineered for high performance. In addition to pioneering design, high-impact technology, and durability, Chicago Pneumatic means customer value.



Sander Type	Features	Disc Diameter	Maximum RPM	Air Inlet Size	Order No.	Regular Price	SALE
Palm	Redi power grip for better handling, speed regulator, PSA mount, swivel rear exhaust, low vibration and noise, 5mm orbit no vacuum	5"	12,000	1/4" NPT	PF50CP3511	583.95	443.74
Angle, with handle	Balanced counterweight design for low vibration sanding, full 1/2 HP motor, heavy duty ball bearing construction, built-in speed regulator	6"	9,600	1/4" NPT	PF50CP870	249.68	189.93

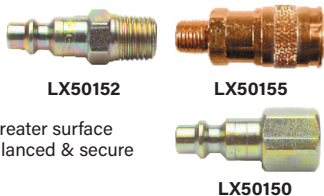
22948



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



FNPT, Interchange Coupler			
Thread Size	Order No.	Regular Price	SALE
1/4"	LX50150	12.96	10.35
3/8"	LX50151	16.30	15.99
MNPT, Interchange Coupler			
Thread Size	Order No.	Regular Price	SALE
1/4"	LX50152	12.71	10.15
3/8"	LX50155	16.76	13.38

23000

PRM PRO 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	163.83	130.54

22685



Chicago Pneumatic

Precision Air Grinders with 1/8" Collet

- Designed for high speed hand grinding, deburring, drilling, polishing, burring and sanding
- An in-line filter and oiler should be used to provide adequate lubrication to the air motor
- Air Pressure must be kept below 85 lb/in - High air pressure increases speed which causes damage to the wheels and grinder



BrandName	Maximum RPM	Order No.	Regular Price	SALE
Chicago Pneumatic	60,000	PF50CP9104QB	386.40	289.80
PRM Pro	54,000	PJ65TG11A	156.66	136.81

22686



1/4 hp. RT. Angle Grinder 301B

- Right-angle design fits into tight spots
- Powerful 1/4 HP motor
- Built-in lubricating wick increases angle gear life
- Safety-lock throttle is easy to use and prevents accidental startup
- Rear exhaust directs air away from the operator
- Includes 1/4in. collet, 6mm collet and wrenches



Type	Type of Power	Collet/Chuck	Handle Type	Maximum RPM	Exhaust Type	Order No.	Regular Price	SALE
Air Die Grinder	Air	1/4"	Right Angle	21,000	Rear	PR55301B	198.70	149.03

30868



1/3 hp. Rt. Angle Grinder 302B

- Right-angle design fits into tight spots
- Powerful 1/3 HP motor
- Built-in lubricating wick increases angle gear life
- Safety-lock throttle is easy to use and prevents accidental startup
- Rear exhaust directs air away from the operator
- Includes 1/4in. collet, 6mm collet and wrenches



Type	Type of Power	Collet/Chuck	Handle Type	Maximum RPM	Exhaust Type	Order No.	Regular Price	SALE
Air Die Grinder	Air	1/4"	Right Angle	20,000	Rear	PR54302B	310.03	232.52

30889

PLANT & SAFETY

Prices effective **July 1** through **September 30 2025**



Disposable Corded 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 canal
- Sold 100 per box
- Price per each



Noise Reduction Rating	Style	Order No.	Regular Price	SALE
33 dB	Corded	LF50MAX30	0.87	0.62

Compliance: ANSI S3.19-1974

25



20 Pc. Poc-Kit® Feeler Gage Assortment 5" Long Blades

- Packaged in a sturdy, vinyl case with individual blade pockets and folds flat for convenience
- Contains twenty 1/2" wide blades
- Each blade is clearly etched with thickness
- Ends are rounded and edges are smooth for safety
- Contains: .001"/.025mm, .0015"/.038mm, .002"/.051mm, .003"/.076mm, .004"/.102mm, .005"/.127mm, .006"/.152mm, .007"/.178mm, .008"/.203mm, .009"/.229mm, .010"/.254mm, .012"/.305mm, .014"/.356mm, .015"/.381mm, .016"/.406mm, .018"/.457mm, .020"/.508mm, .022"/.559mm, .024"/.610mm, .025"/.635mm



Order No.	Regular Price	SALE
MA5219740	104.43	73.10

1472



20 Pc. "The Big" Poc-Kit® Feeler Gage Assortment

- 12" Long blades
- Packaged in a sturdy, vinyl case with individual blade pockets and folds flat for convenience
- Contains twenty 1/2" wide blades
- Each blade is clearly etched with thickness
- Ends are rounded and edges are smooth for safety
- Contains: .001"/.025mm, .0015"/.038mm, .002"/.051mm, .003"/.076mm, .004"/.102mm, .005"/.127mm, .006"/.152mm, .007"/.178mm, .008"/.203mm, .009"/.229mm, .010"/.254mm, .012"/.305mm, .014"/.356mm, .015"/.381mm, .016"/.406mm, .018"/.457mm, .020"/.508mm, .022"/.559mm, .025"/.635mm, .030"/.762mm



Order No.	Regular Price	SALE
MA5219990	211.30	168.73

1476



Blow Guns

- Blow Guns 1/4 NTP Inlet unless otherwise noted
- Extended Reach Blow Gun
- 360° Rotating Extended Reach Nozzle with Rubber Tip



Tip Type	Order No.	Regular Price	SALE
Extension Reach	LX55AG2	63.31	50.64
Safety	LX55AG7	23.07	18.45

2239



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:** 3 integrated magnets for hands free use, detachable magnetic hook, IP-X4 water-resistant, AC/DC chargers included, 6 hour charge time
- 1 Year limited warranty



Order No.	Regular Price	SALE
KE58SL2168B	127.32	88.29

2479

Oval Chip Cleaning & Paint Brushes

- Black China bristle, lacquered round sash handle, chisel trim, bright metal seamless ferrule
- Used as parts cleaning brush, application of adhesives and grease, painting (oil based paint), mold cleaning and chip brush



Thickness	Bristle Size	Order No.	Regular Price	SALE
1" x 5/8"	2 1/8"	LD506	11.54	8.66

2487



RUSH+ Goggles

- RUSH + has an ultra-sporty design with its highly flexible, co-injected and customizable temples!



Lens Color	Frame Color	Order No.	Regular Price	SALE
Clear	Black & Red	BO1540252	41.44	31.71
Twilight	Black & Grey	BO1540258	41.44	31.73
Smoke	Black & Grey	BO1540259	41.44	31.73
Light Brown	Black & Grey	BO1540284	42.78	32.69

2504



RUSH+

- Upper protection
- Non-slip adjustable bridge
- PLATINUM® anti-scratch/anti-fog coating
- Co-injected ultra-flexible temples
- Bi-colored temples



Lens Color	Frame Color	Order No.	Regular Price	SALE
Smoke	Black & Grey	BO1540208	28.01	21.92
Brown	Black & Grey	BO1540209	29.29	23.39
Twilight	Black & Grey	BO1540225	28.01	21.92
Clear	Yellow & Black	BO1540243	28.01	21.92
Smoke	Yellow & Black	BO1540244	28.01	21.92
Brown	Yellow & Black	BO1540245	29.29	23.39
Clear	Blue & Green	BO1540256	28.01	20.85
Smoke	Blue & Green	BO1540257	28.01	21.92
Clear	Black & Phosphorus Green	BO1540292	27.23	20.40
Brown	Grey	BO1540294	29.29	22.10
Clear	Black & Red	BO1541080	28.01	21.01

2506



Shim Stock

- Blue Tempered Shim Stock is a high carbon 1095, hardened and tempered spring steel
- Full of hard, cold rolled, low carbon 1008-1010
- Brass Shim Stock is a half hard, cold rolled, 260 alloy
- Precision Brand is the only manufacturer to offer Branded Shim
- Stainless Steel Shim Stock is a full hard, cold rolled, 300 series stainless steel



Thickness	Type	Length	Width	Standard Pack	Order No.	Price	SALE
0.008"	Tempered	25"	6"	2	MA5223170	133.13	102.78
0.010"	Tempered	25"	6"	2	MA5223180	145.19	113.63
0.012"	Tempered	25"	6"	2	MA5223200	149.72	117.84
0.025"	Tempered	25"	6"	2	MA5223260	216.54	177.85
0.032"	Tempered	25"	6"	2	MA5223280	151.54	125.65
0.001"	Steel	100"	6"	1	MA5216130	49.42	37.07
0.0015"	Steel	100"	6"	1	MA5216155	58.69	44.02
0.003"	Steel	100"	6"	1	MA5216245	36.50	27.38
0.004"	Steel	100"	6"	1	MA5216280	36.76	27.57
0.005"	Steel	100"	6"	1	MA5216320	32.16	24.12
0.007"	Steel	100"	6"	1	MA5216370	37.66	28.25
0.008"	Steel	100"	6"	1	MA5216395	38.50	28.88
0.010"	Steel	100"	6"	1	MA5216450	33.11	24.83
0.012"	Steel	100"	6"	1	MA5216480	33.92	25.44
0.020"	Steel	100"	6"	1	MA5216590	34.80	26.10
0.025"	Steel	100"	6"	1	MA5216630	37.23	27.92
0.031"	Steel	100"	6"	1	MA5216660	39.16	29.37

1493



Genesis®

- Dual 9 base wraparound lenses
- Features shock absorbing brow-guard and a ventilation channel to prevent fogging
- Unilens design, flexible nose pads, adjustable temple length and lens angle



Lens Color	Lens Coating	Frame Color	Order No.	Regular Price	SALE
Clear	Scratch Resistant	Black	LF50S3200	21.28	14.90

2688

PLANT & SAFETY

MCR SAFETY BK1®

Non-slip temple sleeves
Single wrap-around lens design with integral side shields



Lens Color	Lens Coating	Frame Color	Order No.	Regular Price	SALE
Clear	Uncoated	Clear	KB85BK010	2.91	2.04
Clear	Scratch Resistant	Clear	KB85BK110	3.12	2.06
Clear	Anti-Fog & Scratch Resistant	Clear	KB85BK110AF	4.27	2.77
Gray	Scratch Resistant	Gray	KB85BK112	3.12	2.06
Light Blue	Scratch Resistant	Light Blue	KB85BK113	3.99	2.56
Mirrored	Scratch Resistant	Clear	KB85BK119	3.99	2.56

2529

MCR SAFETY BK3® Soft Nose Pad

- Strong yet lightweight design
- Non-slip soft temple material
- Single lens design with integral side shields for unobstructed view*



Lens Color	Lens Coating	Frame Color	Order No.	Regular Price	SALE
Clear	Scratch Resistant	Clear	KB85BK310	4.20	2.94
Clear	Anti-Fog & Scratch Resistant	Clear	KB85BK310AF	5.36	3.75

* 99.9% UV Ray protection

2530

MCR SAFETY SR1®

- Non-slip co-injected soft temple material
- Wider temples for better side protection
- Soft secure TRP nose pad
- Rugged polycarbonate lens filters 99.9% UV rays
- Exclusive Duramass® scratch resistant coating



Lens Color	Lens Coating	Frame Color	Order No.	Reg. Price	SALE
Clear	Anti-Fog & Scratch Resistant	Clear	KB85SR140AF	13.44	9.41
Gray	Polarized Scratch Resistant	Black	KB85SR112Z	45.33	31.73
Blue Mirror	Scratch Resistant	Clear	KB85SR148B	15.75	11.03
Clear	Scratch Resistant	Black	KB85SR110	12.29	8.60
Clear	Scratch Resistant	Red	KB85SR130	11.38	7.97
Fire Mirror	Scratch Resistant	Red	KB85SR13R	15.75	11.03
Gray	Scratch Resistant	Black	KB85SR112	13.16	9.21

2544

DAZOR Ecoflex II LED Spot Lights

- 7' Cord with 24V AC/DC inline switching power supply
- Multiple mounting options for machine work environment
- UL listed
- 7 LEDs, optical lensing for intense white light where needed
- Dust-proof & water protected fully enclosed head with glass lens cover



Flexible

OAL (in.)	Arm Style	Mount	Order No.	Regular Price	SALE
24	Floating	Clamp	KC50LCA27CMBK	650.34	552.79
34	Floating	Clamp	KC50LCA37CMBK	650.34	552.79
25	Flexible	Clamp	KC50LFA35CMBK	386.46	328.48
17	Flexible	Desk	KC50LFA35DBBK	389.34	330.99
17	Flexible	L-Bracket	KC50LFA35LBBK	408.09	346.87
17	Flexible	Magnetic	KC50LFA35MMBK	408.09	346.87

2548

DAZOR Handheld Lighted Magnifier

- Mini (JMINI) is a small LED (11 bulbs) high power magnifier
- 2" Dia. lens made of distortion free glass
- Includes carrying case
- 50,000 hours of life for bulbs



Magnification	Battery Size	Number of Batteries	Lamp Type	Order No.	Regular Price	SALE
2.5X	AAA	4	24 x 0.5W Hi Brightness LEDs	KC50J203HHM	118.24	116.90
2.5X	AAA	4	12 x 0.5W Hi Brightness LEDs	KC50JMINI	105.27	105.22

2549

PRM PRO 26 Series Tig Torch Packages

- 200 Amp Air-cooled



Type	Length	Includes	Order No.	Regular Price	SALE
Flex Torch Package	25'	Power Cable, Torch, Handle, Back Cap	WE1026FV252	301.95	210.99
Flex Torch Package	25'	Power Cable, Torch, Handle, Back Cap	WE1026FV25R	282.48	197.41

2904

Chill-Its® 6615 High-Performance Dew Rags

- Hi Cool® moisture management performance fabric
- Comfortable to wear under hats, helmets or alone
- Absorbent terry headband
- Elastic band for a great fit



Color	Order No.	Regular Price	SALE
Lime	LF6512476	13.34	8.30
Stars & Stripes	LF6512477	13.34	8.30
Camo	LF6512478	13.34	8.30
Red Western	LF6512479	13.34	8.30
Navy Western	LF6512480	13.34	8.30
Blue	LF6512481	13.34	8.30
Flames	LF6512485	13.34	8.30

2505

Chill-Its® 6710CT Evaporative Cooling Triangle Hat & 6700CT Bandana

- Tie closure
- Patented design
- Re-usable: just soak in water to reactivate
- Super-evaporative cooling process helps keep you cool
- Lightweight and low profile: perfect for under hard hats
- Advanced PVA material activates easily & quickly run under water for 1 minute



Bandana



Cooling Triangle Hat

	Bandana			Cooling Triangle Hat		
Color	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
Solid Blue	LF656700CTB	8.69	6.21	LF656710CTB	1719	12.48
Camo	LF656700CTC	8.69	6.21	LF656710CTC	1719	12.48
Flames	LF656700CTF	8.69	6.21	LF656710CTF	1719	12.48
Stars & Stripes	LF656700CTSS	8.69	6.21	LF656710CTSS	1719	12.48

2597

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
- 8 Pt. ratchet suspension



Cap Style

Full Brim

Color	Style	Order No.	Regular Price	SALE
White	Full Brim	LF50E1RW1	54.32	38.02
White	Cap Style	LF50E2RW1	45.19	31.63
Yellow	Cap Style	LF50E2RW2	48.47	36.35

2676

WEILER Counter Dusters

- Tampico and synthetic dusters are 8" long with 2-1/2" fill in a wood block
- Orange duster is 9" long with 2-1/2" fill in a durable structural plastic block



Style	Bristle Size	Bristle Color	Overall Length	Order No.	Regular Price	SALE
General Purpose	2 1/2"	Black	8"	LD5325251	19.61	15.66
Oil Resistant Water Resistant Hand	2 1/2"	Black	8"	LD5325252	15.59	12.45
Oil Resistant Water Resistant	2 1/2"	Orange	9"	LD5342213	20.98	16.76

3270

WEILER Industrial Scrub Brushes



LD5025262

LD5025263

Overall Length	Bristle Size	Bristle Material	Order No.	Regular Price	SALE
8"	2"	Tampico	LD5025262	10.86	6.70
20"	2"	Tampico	LD5025263	15.48	9.57

3213

MCR SAFETY Safety Glasses Plus Readers**Klondike with Magnifier®**

- Bi-focal magnifier lenses
- 5-Position ratchet spatula temples
- Filters 99.9% of UV radiation
- Strong, lightweight polycarbonate polarized lens with 11° base curve
- Meets or exceeds ANSI Z87.1 safety standards



Lens Color	Frame Color	Magnification	Order No.	Regular Price	SALE
Clear	Black	1.0x	KB85K3H10	16.63	11.66
Clear	Black	1.5x	KB85K3H15	16.63	11.66
Clear	Black	2.0x	KB85K3H20	16.63	11.66
Clear	Black	2.5x	KB85K3H25	16.63	11.66

23772

Honeywell Uvex® Protégé®

- With HydroShield™ anti-fog coating
- Ultra lightweight with soft flexible nose pads
- Offers highest available impact protection
- Hardcoat anti-scratch lens coating
- Floating lens design and secure wraparound brow offers increased flexibility
- Dual action HydroShield™ provides up to 60X longer lasting fog free performance



Lens Color	Lens Coating	Frame Color	Order No.	Regular Price	SALE
Clear	Anti-Fog	Black	LF50S4200HS	14.48	10.14
Gray	Anti-Fog	Black	LF50S4201HS	16.66	12.00

2696

Koehler BrightStar Intrinsicly Safe Razor LED

- **Bulb:** LED
- **Run time:** 24 Hours
- **Lumens:** 125
- **Batteries:** 3 AA batteries (not included)
- Intrinsically safe
- **Features:** high output LED, fully waterproof to one meter, floats, weighs just 7 ounces, tactical, tail cap slot for optional lanyard or s-biner. extremely lightweight, super tough nylon construction, limited lifetime warranty



Body Color	Order No.	Regular Price	SALE
Hi Vis Green	KN0160101	49.46	39.50
Orange	KN0160102	49.46	39.50

2744

Koehler BrightStar Intrinsicly safe Spot/Flood Headlamp**Model No. 200501**

- **Bulb:** LED
- **Spotlight lumens:** 65/185
- **Floodlight lumens:** 10/20
- **Batteries:** 3 AAA batteries (not included)
- **Run time:** up to 20 hours spotlight / up to 140 hours floodlight
- **Features:** 4 light modes, large push button switch, lightweight polymer housing design, adjustable mount for greater vision, multi-use adjustable strap securely adheres to helmets, hardhats and heads, rated water-resistant design suitable for outdoor use in wet environment



Order No.	Regular Price	SALE
KN01200501	61.98	47.76

2749

PRM PRO Class 2 Hi-Vis Safety Vests

- Class 2
- Reflective tape
- Zipper front closure
- SV80 radio straps both shoulders, 2 pockets with velcro closure and one chest pocket



Size	Order No.	Regular Price	SALE
Medium	KB38SV8030	12.82	8.46
Large	KB38SV8035	18.55	13.91
X-Large	KB38SV8040	12.82	8.46
2X-Large	KB38SV8045	18.55	12.25
3X-Large	KB38SV8050	12.82	8.46

2932

WYPALL®**GOJO®****SCRUBS®****Waterless Cleaning Towels & Wipes****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

**WYPALL Features:**

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

**Graffiti & Spray Paint Remover Towels**

- One step graffiti removal system
- Abrasive, non-scratching removers
- Great for use on lockers, signs, doors, elevators and phone booths
- Hazard Code: 03

ROUGH TOUCH 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
- Antibacterial, contains Triclosan



BrandName	ProductName	Order No.	Regular Price	SALE
Kimberly-Clark	WYPALL BUCKET OF 75 WIPES	LM5591371	35.53	27.71
Scrubs	BUCKET OF 72 TOWELS	LM54422C072	32.62	26.05
GoJo	Scrubbing Wipes - 170 Count Bucket	LP55639802	79.80	59.85
GoJo	Scrubbing Wipes	LP55639606	38.15	28.61

3197

3M 500 Pairs One Touch Disposable Earplug Refill with 33 dB Earplugs

- **OUTSTANDING COMFORT:** E-A-Rsoft ear plugs have an advanced foam with a smooth texture - offering in-ear comfort for wearing over an extended time.
- **SOFT SOUND-ABSORBING FOAM:** Soft foam earplugs are easy to roll down and insert, then expand within the ear canal to help reduce noise exposure.
- **VERSATILE:** Use while chipping, chiseling, drilling, furnace operations, grinding, heavy equipment operations, machining, pouring/casting, power fastening, riveting, sanding, sawing and welding.
- **DESIGNED FOR 3M ONE TOUCH DISPENSER:** Dispenser delivers one uncorded foam ear plug with a gentle turn.



Color	Style	Order No.	Regular Price	SALE
Yellow	Disposable / Foam	KB3591004	0.22	0.20

500 earplugs - price per each plug

23128

PYRAMEX**Safety Glasses****Alair**

- Straight temples & integrated nose piece fits all face sizes
- Superior scratch resistant frame and lens

**Ztek**

- Soft, non-slip rubber temple
- Integrated nose piece
- Scratch resistant



Ztek				
Lens Color	Frame Color	Order No.	Regular Price	SALE
Clear	Clear	KB54S2510ST	6.68	4.58
Gray	Gray	KB54S2520S	5.92	4.59
Blue Mirror	Blue	KB54S2575	8.16	6.24

Alair				
Lens Color	Frame Color	Order No.	Regular Price	SALE
Clear	Clear	KB54S3210S	3.58	2.33
Gray	Gray	KB54S3220S	4.37	3.44
Light Blue	Blue	KB54S3260S	4.37	3.44
Mirror	Mirror	KB54S3280S	4.58	3.46

† Indoor or outdoorExceeds ANSI Z87.1-2003 High Impact Requirements

24529

WEILER**Truck Wash Brush**

- Protective bumper
- Foam block
- Handles NOT included, order handles separately
- Two handle holes (one for tapered handles, one for threaded or fountain tube)



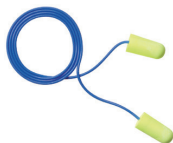
Brush Length	Brush Width	Bristle Size	Bristle Material	Order No.	Regular Price	SALE
9 1/2"	2 3/4"	3"	Polystyrene	LD5344510	47.26	37.74

3220

PLANT & SAFETY

3M Disposable Earplugs

- Soft foam seals the ear canal comfortably
- Fits wide range of ear canal sizes
- Can be used with other personal protective equipment
- Available in corded or uncorded
- Sold per pack priced per each



Noise Reduction Rating	Standard Pack	Order No.	Regular Price	SALE
29 dB	200	KB351100	0.24	0.19
33 dB	200	KB3511033	0.46	0.37
29 dB	100	KB351110	0.55	0.44
33 dB	200	KB3512063	0.25	0.21

Price Per Each Sold By Box

22583

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



Noise Reduction Rating	Style	Order No.	Regular Price	SALE
32 dB	Corded	KB3592952	1.46	1.36

Sold in Box Only

Honeywell

Fusion® Reusable Earplugs

- Patented dual material design
- Unique detachable cord system
- Includes HearPack® hard plastic kidney shaped case
- SoftFlange® design delivers unmatched comfort and attenuation
- Sold by box of 100 pair only (priced per each pair)



Noise Reduction Rating	Color	Size	Standard Pack	Order No.	Regular Price	SALE
27 dB	Blue	Small	100	LF50FUS30HP	3.58	2.80
27 dB	Green	Regular	100	LF50FUS30SHP	3.58	2.80

2706

ProFlex® Back Supports & Gel Foam Knee Pad

ProFlex® 100 Economy Back Support

- Durable 280D spandex
- Rubber-tracked webbing
- Adjustable two-stage closure
- Adjustable 1-1/4" knit elastic suspenders are detachable

Back Support



ProFlex® 350 Gel 2 Pc. Kneepad

- 12mm NBR gel padding
- Cut-resistant, abrasion-resistant and non-marring rubber composite pad
- Slip-resistant durable nylon-rubber
- 1680D ballistic nylon outer shell
- Breathable neoprene stretch strap
- One size fits all



Knee Pads

Back Support				
Size	Order No.	Regular Price	SALE	
Medium	LF65100M	47.28	37.75	
Large	LF65100L	47.28	37.75	
X-Large	LF65100XL	47.28	37.75	
2X-Large	LF65100XXL	47.28	37.75	

Knee Pads			
Size	Order No.	Regular Price	SALE
One Size	LF65350	86.02	68.69

23179

Highlander® Safety Glasses

- Lightweight sports styling
- Dual lens provides maximum protection
- Inner lens clip provides soft foam for comfort fit and extreme styling
- Can be worn with inner foam for additional dust protection or without, it is up to the wearer
- Meets or exceeds ANSI Z87.1-2003 high impact requirements



Lens Color	Frame Color	Order No.	Regular Price	SALE
Clear	Black	KB54SBB5010DT	15.50	10.40

24526

Chill-Its® Bandana/Headband & Triangle Tie Hat

Ideal for all warm work, Chill-Its® Body Technologies help workers stay cool, fights fatigue, and increase productivity

- Evaporative cooling process keeps you cool all day, reduces the effects of heat stress, and fights fatigue
- Lightweight, comfortable cotton construction
- Super absorbent acrylic polymer activates easily and quickly when soaked in cold water 20 minutes
- Remains hydrated, providing cool comfort for 24 to 48 hours
- Reusable, just resoak



Bandana			Cooling Triangle Hat		
Color	Order No.	Regular Price	Order No.	Regular Price	SALE
Red Western	LF656700R	4.33	LF656710R	10.12	7.20
Stars & Stripes	LF656700SS	4.33	LF656710SS	10.12	7.20
Navy Western	LF656700N	4.33	-	-	-

23162

Honeywell High Performance® Face Shield Windows

- Made from durable 0.060" thick propionate
- Great combination of impact protection, chemical resistance and clarity
- Meets ANSI Z87.1 standards and certified to CSA Z94.3



Headgear				
Width	Height	Order No.	Regular Price	SALE
6"	6"	LF50F400	53.17	39.88

29353

Leather Bib Apron

- Stitched with Kevlar
- Rivet reinforced stress points
- Adjustable nylon straps with quick release buckle
- Bib style aprons have 2-compartment chest pocket
- Weld-Rite aprons are quality crafted from four or less split cowhide pieces providing fewer seams and more comfort



Size	Order No.	Regular Price	SALE
24" x 36"	RT5892165	79.87	52.98

25090

STREAMLIGHT Stylus® LED Penlights

- Style, convenience and a 100,000-hour bulb
- Bulb:** high intensity 5mm LED, 11 lumens
- Run time:** max. up to 60 hours of continuous use
- Body:** anodized machined aluminum housing
- Battery:** 3-AAAA (included)
- Size:** 6-1/4"
- Features:** non-slip grip, waterproof, individually serialized, pocket clip, and glare guard protector



LED Color	Order No.	Regular Price	SALE
White	KA5765018	44.64	35.65
Blue	KA5765022	44.64	35.65

25101

Endura® MIG Welding gloves with 360° Cut & Heat protection

- Heat protection up to 200°C / 392°F
- Cut-and-sewn construction for an optimal, comfortable fit
- Wing thumb design for durability and comfort
- Blended aramid liner provides 360° ANSI Level A4 cut protection
- High tensile strength goatskin provides outstanding abrasion resistance
- Arc Flash testing placed these gloves at level 3, with an Arc Thermal Performance Value (ATPV) of 36 cal/cm²



Size	Cut Rating	Abrasion Rating	Arc Rated	Puncture Rating	Manufacturer No.	Order No.	Regular Price	SALE
Small	-	-	-	-	0260S	RT580260S	74.58	59.72
Medium	-	-	-	-	0260M	RT580260M	74.58	59.72
Large	-	-	-	-	0260L	RT580260L	74.58	59.72
XL	-	-	-	-	0260X	RT580260X	74.58	59.72
2XL	-	-	-	-	02602X	RT5802602X	74.58	59.72
3XL	ANSI A4	ANSI Level 4	ANSI CAT 3	ANSI Level 3	399GKGL5XXX	SG0253840	44.10	33.08

30826

TITAN Solar Powered Auto Dark Welding

- Durable, lightweight material is corrosion resistant and flame retardant
- Ultra high performance filters protect against UV and IR
- Returns to normal when welding stops w/ dark to clear adjustments available
- Special turnover headband mechanism allows for greater comfort and reduces fatigue
- Utilizes high performance solar cells with 2 built-in 3V lithium batteries as power back-up
- Viewing area: 3.86" x 2.17"



Color	Order No.	Regular Price	SALE
Auto Darkening	KP8241265	245.84	196.31
Auto Darkening	KP8241279	245.84	196.31

25292

LINCOLN ELECTRIC ADF Helmet with Grind

- New K3419-1 Lincoln Electric welding helmet
- Lightweight design
- Durable and dependable
- Suitable for a wide range of projects
- Auto Darkening 7-13 & Grind
- Processes stick, TIG, pulsed TIG, MIG, pulsed MIG, flux-cored, gouging

LE01K34451



View Height	View Width	Color	Order No.	Regular Price	SALE
1-3/4"	3.82"	Camo	LE01K34451	132.41	119.17

28750

PROCELL Professional Industrial Batteries**The Procell Difference**

- World's first dual portfolio of professional batteries: by conducting intensive device testing and analysis, Procell has discovered that a way to dramatically extend alkaline battery life and cut replacement costs is to engineer device-specific industrial alkaline batteries, each with unique power profiles.
- Premium brand exclusively focused on the professional battery market.
- Deep understanding of professional devices and the battery category through device testing and analysis in our labs.
- Available in Alkaline and Lithium
- Standard power and Intense extra strength power available
- Sold in box qty. only

**Procell**

- Alkaline battery
- General purpose
- Reliable long lasting power
- Operating temperature -4° to 129.2°F

Procell Intense

- Alkaline battery
- For high drain devices
- Date coded
- Operating temperature -4° to 129.2°F

Procell Lithium Coin/Cell

- Lithium coin battery
- For compact professional devices
- Operating temperature -4° to 140°F

Procell High Power Lithium

- High power lithium battery
- General purpose
- Operating temperature -4° to 140°F

PROCELL					
Battery Size	Number of Batteries	ManufacturerNo	Order No.	Regular Price	SALE
AAA	24	4133353648	DU0310000	1.29	1.05
AA	24	4133352148	DU0310050	1.29	1.05
C	12	4133311440	DU0310070	3.04	2.51
D	12	4133311340	DU0310090	3.63	2.93
9V	12	4133352748	DU0310200	5.39	4.39

PROCELL INTENSE					
Battery Size	Number of Batteries	ManufacturerNo	Order No.	Regular Price	SALE
AA	24	4133303437	DU0350000	1.48	1.11
AAA	24	4133303715	DU0350005	1.53	1.15
C	12	4133303423	DU0350050	3.54	2.66
D	12	4133303424	DU0350070	3.99	2.99
9V	12	4133303716	DU0350080	5.43	4.07

PROCELL Lithium Coin/Cell					
Battery Size	Number of Batteries	ManufacturerNo	Order No.	Regular Price	SALE
3V	5	4133303459	DU0310405	14.22	10.67
3V	5	4133303458	DU0310410	14.22	10.67
3V	5	4133303457	DU0310415	14.22	10.67

PROCELL High Power Lithium					
Battery Size	Number of Batteries	ManufacturerNo	Order No.	Regular Price	SALE
3V	12	4133304038	DU0310420	7.95	5.96
3V	12	4133303456	DU0310425	7.95	5.96

28639

PYREX Lens Cleaning Towelettes

- For plastic, glass and polycarbonate lenses
- Anti-fog, anti-static formula
- Perfect for safety goggles and glasses
- 100 Individually packaged towelettes

Lens Cleaning Station

- Includes 16oz. bottle, anti-fog/static cleaning solution and 1200 tissues
- Can be attached to a wall



Type	Order No.	Regular Price	SALE
Lens Cleaning Towelettes	KB54LCT100	18.05	15.35

30901

Honeywell NorthFlex Red™

- Lightweight, 15 gauge nylon glove with foam PVC coating on palm and fingertips, no coating on back of hand for added ventilation
- Color: red nylon and black PVC



Size	Order No.	Regular Price	SALE
Medium	KB65NF118M	8.48	5.94
Large	KB65NF119L	8.48	5.94
X-Large	KB65NF110XL	8.48	5.94

30764

MCR SAFETY 1200 Leather gloves wing thumb

- Gunn pattern
- 2-1/2" Rubberized safety cuffs



Size	Order No.	Regular Price	SALE
Large	KB511200L	6.27	3.84
X-Large	KB511200XL	7.03	4.92

30781

MCR SAFETY 92723NF Cut Pro™ Cut Resistant

- 13 Gauge HPPE/Synthetic Salt & Pepper shell
- Black nitrile foam coated palm & fingers
- CE score 4342
- Seamless shell is comfortable, cool, and easy to wear



Size	Order No.	Regular Price	SALE
Medium	KB5192723NFM	12.37	7.42
Large	KB5192723NFL	12.37	7.42
X-Large	KB5192723NFXL	12.37	7.42

30783

High Temperature Work Gloves

- (08314) Aramid (Kevlar) fibers and fiberglass blend
- (08314) Withstands exposure up to 600° Fahrenheit
- (07114) Withstands temperatures up to 2000° Fahrenheit
- Full 11 oz wool insulated lining
- Superior abrasion and cut resistance
- (07114) Treated fiberglass, 35 oz. highly texturized Silica yarn



Maximum Temperature	Order No.	Regular Price	SALE
600 Degrees F	RT5808314	157.56	119.48
2000 Degrees F	RT5807114	272.29	205.52

30852

MCR SAFETY 9673 UltraTech® Foam Gloves

- 24 Gauge gray nylon shell
- Black foam nitrile coating on palm and fingertips
- Used in multi-industrial applications
- Breathable material



Size	Order No.	Regular Price	SALE
Small	KB519673S	5.62	3.93
Medium	KB519673M	5.62	3.93
Large	KB519673L	5.62	3.93
X-Large	KB519673XL	5.62	3.93

30900

PRM PRO Drum Dolly-Non-Marring Caster Wheels

- For 55 Gal drums
- Wheels protect floor from marring or scratching



For Use With	Drum Capacity	Order No.	Regular Price	SALE
55 Gallon Drums	1,500 lbs	PR05DLO55M	310.03	223.22

30841

PLANT & SAFETY

Right Choice™ Facial Tissue

- Right Choice™ Facial Tissues offer quality, softness and performance
- Provides excellent value and good quality
- Controlled one-at-a-time dispensing
- Flat box fits on counters and in-wall dispenser
- Chlorine free



Sheet Size	Ply	Sheets per Package	Color	Order No.	Regular Price	SALE
7.25" x 8.5"	2	100	White	RC0110185	95.44	57.26

28733

LINCOLN ELECTRIC Leather Welding Waist Apron

- Length: 45"
- Adjustable neckstrap closure
- Helps to protect your clothes and skin from spattering
- Harness can be adjusted for a secure and comfortable fit
- Suitable for light welding



Size	Type	Color	Order No.	Regular Price	SALE
24" x 45"	Welding Apron	Brown	LE01KH804	61.32	55.80

29097

LINCOLN ELECTRIC Fire Resistant Black Welding Sleeves

- Slip on a pair of welding sleeves for added spatter and heat resistance.
- These black sleeves feature 9 oz. 100% flame retardant material where possible to keep you cool, but include split leather panels in high wear areas.
- Elastic cuffs at each end keep spatter out and hold the sleeves in position.
- Sleeve length 21" (53 cm)



Color	Material	Order No.	Regular Price	SALE
Black	Cotton	LE01KH813	19.01	17.11

29101

LINCOLN ELECTRIC 6" Fire Resistant Black Welding Doo Rag

- Provides a more comfortable fit inside your helmet
- 1 size fits all
- Machine washable
- Made from 100% cotton



Color	Material	Order No.	Regular Price	SALE
Black	Cotton	LE01KH822	13.34	10.67

29102

Tolco Tolco® CleanCheck® 3 Pack - (32 oz. Trigger Sprayers and Bottles)

- Improves Safety. Pre-printed, bilingual (English/Spanish) content check boxes significantly improve identification
- Includes three Model 320 trigger sprayers that provide up to 40% greater output per stroke, significantly reducing the number of times you pull the trigger
- Always have the correct bottle available - one bottle, multiple applications
- Bottles are imprinted with ultraviolet ink for superior chemical resistance and a bright, glossy finish
- Sold per 3 Pack



Size	Material	Imprinting	Order No.	Regular Price	SALE
32 oz	Natural HDPE	White/Red	TO1010000	32.70	16.98

29260

Disposal Medical 3-Ply Face Mask

- Comfortable and breathable, soft & skin friendly
- Plane ear hook
- Size 6.88 inch x 3.75 inch
- Includes adjustable nose bridge strip
- Bacterial filtration rate ≥ 95%
- FDA approved medical
- 50 per box, priced each



Order No.	Regular Price	SALE
MA2650000	1.44	0.94

29357

PRICE PER EACH MASK

bolle SAFETY Disposable Face Screen

- Ready-to-use packaging
- Anti-Fog & Blue Protective Coating
- Adapted to Prescription Glasses
- Protection against Blood and Body Fluids
- Elastic Headband white Polyester
- Frame: Antibacterial PU
- XL Viewing Visor 8-5/8 x 13"; PET/PC -0.3mm
- Priced each sold in min. 10 pcs.



Height	Width	Thickness	Head Gear Material	Color	Order No.	Regular Price	SALE
12"	18"	0.3 mm	Polyethylene	Clear	BO15DFS2	22.25	19.87

29584

PRICE PER EACH MASK

bolle SAFETY ATOM

- Extremely compact and comfortable
- TPR frame
- Material: Polycarbonate



Order No.	Regular Price	SALE
BO1540093	22.15	15.73

29786

RIPPA Safety Glasses with Black Temple, Gray Lens and Anti-Scratch Coating

- Lightweight, rimless design provides all day user comfort
- Thin, flexible temples provide a secure fit without uncomfortable pressure points
- Molded nose bridge design to fit the vast majority of users
- 9.5 Base curve lens
- Meets ANSI Z87.1+ | Meets CSA Z94.3



Lens Color	Lens Coating	Frame Color	Order No.	Regular Price	SALE
Clear	Anti-Scratch	Clear	PP1017635	2.42	1.86
Gray	Anti-Scratch	Gray	PP1017640	2.49	1.92
Clear	Anti-Scratch / Anti-Fog	Clear	PP1017660	2.90	2.21
Clear	Anti-Scratch	Clear	PP1017675	2.30	1.77
Clear	Anti-Scratch / Anti-Fog	Clear	PP1017685	2.52	1.94
Clear	Uncoated	Clear	PP1017690	2.14	1.60

29825

Kut Guard® Double-Ply Kevlar® Sleeve

- Kevlar provides excellent cut protection and heat resistance for the wrists and arms
- Seamless knit for comfort and flexibility



Size	Order No.	Regular Price	SALE
10"	PP1010390	7.03	5.17
12"	PP1010405	7.50	6.22
14"	PP1010425	8.58	6.22
18"	PP1010465	9.55	7.26
24"	PP1010505	14.76	10.40

29836

PRM PRO Spotting Blue-H2O

- Perfect for die spotting and layout applications
- Water soluble non-drying
- Washes off for no mess
- Can be applied with ease using brush, rollers, sprayers, etc.
- Safe, non-marring and will not deface metal surfaces
- Non-toxic
- **Alternative to Canone Blue**



Container Size	Order No.	Regular Price	SALE
1 quart	PR0310030	124.74	114.41
1 gallon	PR0310040	455.14	411.75

while supplies last

24323

MCR SAFETY 4600 Blue Beast® Welder's

- Select heavy side leather
- Full sock lining, in-sewn at all finger tips
- All seams fully welded
- Turned leather hems
- Flame-resistant sleeves
- Extra-large die cut, gunn pattern
- Sewn with super-strong, heat-resistant DuPont™ Kevlar® thread



Size	Order No.	Regular Price	SALE
X-Large	KB514600XL	33.44	19.27
2X-Large	KB514600XXL	40.13	23.33

30708



TenActiv™ "Feel Friendly Glove" with Cut Protection & Steady Grip

- Special material blend provides comfortable excellent ANSI Level A7 cut resistance protection
- Touchscreen compatible to seamlessly move between tasks
- Micropore nitrile coating DOES NOT absorb oil or other liquids
- Craters act like tiny suction cups to improve grip in wet and oily conditions
- Nitrile thumb crotch reinforcement to reduce wear in critical areas



Size	Cut Rating	Abrasion Rating	Puncture Rating	ManufacturerNo	Order No.	Regular Price	SALE
Medium	ANSI A7	ANSI Level 5	ANSI Level 4	STACXPNT-8	SG021795	18.73	14.42
Large	ANSI A7	ANSI Level 5	ANSI Level 4	STACXPNT-9	SG021800	18.73	14.42
X-Large	ANSI A7	ANSI Level 5	ANSI Level 4	STACXPNT10	SG021805	18.73	14.42
2X-Large	ANSI A7	ANSI Level 5	ANSI Level 4	STACXPNT11	SG0271490	18.73	14.05
3X-Large	ANSI A7	ANSI Level 5	ANSI Level 4	STACXPNT12	SG0271500	18.73	14.05

30682



Protective Welding Sleeves

- Flame retardant sleeves fit easily into welding glove cuffs to protect upper arms from light welding sparks and burns
- Carbonized fiber models have added protection against sparks, flames, and splatter
- Choice of 18" or 23" length
- Elastic sleeves on top and wrist area
- Sold in pairs



RT5810345



RT5813118

Length	Material	Color	Order No.	Regular Price	SALE
18"	Cotton	Green	RT5810345	16.93	13.17
18"	Fibers	Black	RT5813118	119.57	90.40

30751



Belt Skimmer

- Improves coolant performance and life
- Heavy-duty steel, powder coated construction
- Removable, easy-to-clean collection tray
- Self-tensioning belt on fixed lower pulley
- Stainless or poly belt
- Dual wiper set with **lifetime warranty**
- Continuous-duty, 28 rpm fan-cooled motor
- 2" Diameter minimum access required
- **Two year warranty** on all other parts (except steel belts)



Reach	Material	Maximum Temperature	Order No.	Regular Price	SALE
8"	Polyurethane	80° F	NY40BPF108	590.80	502.18
12"	Polyurethane	80° F	NY40BPF112	607.60	516.46
18"	Polyurethane	80° F	NY40BPF118	624.40	530.74
24"	Polyurethane	80° F	NY40BPF124	641.20	545.02
8"	Stainless Steel	212° F	NY40BSF108	656.60	558.11
12"	Stainless Steel	212° F	NY40BSF112	670.60	570.01
18"	Stainless Steel	212° F	NY40BSF118	684.60	581.91
24"	Stainless Steel	212° F	NY40BSF124	698.60	593.81

8604



MAXIFLEX® CUT™ Seamless Knit Nitrile Gloves

- Form Fit and Feel 360° breathability
- Premium Black Micro-Foam Nitrile coated palm
- Green Engineered Yarn Shell
- Reinforced Thumb Crotch
- Sold by the dozen priced by the pair



Size	Color	Cut Rating	Order No.	Regular Price	SALE
Large	Green	ANSI A3	PP1022195	17.70	12.39
Medium	Green	ANSI A3	PP1022200	17.70	12.39
Small	Green	ANSI A3	PP1022205	17.70	12.39
X-Large	Green	ANSI A3	PP1022210	17.70	12.39
2X-Large	Green	ANSI A3	PP1022220	17.70	12.12

30752

HAND TOOLS

MAG-MATE Magnetic Retrievers

- Designed with a rare earth magnet 6 times the power of a regular magnet
- 16" & 36" sizes available with a 26 oz. dump shipped out
- Both sizes 1" diameter with a magnetic field of 7-1/2"



BrandName	Length	Diameter	Order No.	Regular Price	SALE
Bessey	16"	7 1/2"	SG75MW1	80.55	72.51
Mag-Mate	15"	7 1/2"	NE7020125	124.04	93.05
Mag-Mate	36"	7 1/2"	NE7020150	166.39	124.78

1374

Lisle Magnetic Soldering Clamp

- Clamp offers an extra pair of hands when soldering
- Alligator clamps firmly hold wire and small parts
- Flexible design promotes different holding positions
- Clips and base are magnetic
- Base is hex shape to fit in a vise
- Arms are magnetic and can be removed and used without the base



Order No.	Regular Price	SALE
KN6555000	31.78	25.66

2763

SOLDER-IT Cordless Pro-150 Automatic Ignition

Soldering Kit

Includes:

- Safety cap
- (2) LEC-8 Fuel cells
- PS-1 1.6mm Conical tip
- PS-4 3.2mm Chisel tip
- PS-10 Heat Blower
- S-30 Heat Reflector
- PS-14 Spare orifice
- Tip cleaning sponge
- Tube of solder
- All Solder-It products ship empty with no fuel**
- Soldering iron is equivalent to a power range of 30-125 Watts
- Torch function produces 2400° F blue flame
- Cordless and portable, simple operation anywhere
- Ready to use 15 seconds after ignition
- Works in cold weather
- LEC Patented filter system eliminates clogging
- Safest multi-function tool on the market
- Makes for a more trouble-free tool & contains fuel for up to 120 minutes of use



Order No.	Regular Price	SALE
RT52PRO150K	168.50	111.94

3105

Empire Machinist & Carpenter Squares

6" Pocket Square

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

16" Heavy-Duty Professional

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



Blade Length	Number of Pieces	Type	Order No.	Regular Price	SALE
16"	1	Combination Square	KP75280	35.70	32.15
6"	1	Pocket Square	KP75255	21.72	16.94

3453

MAG-MATE Inspection Mirror/Magnet Combination Tools

- Ideal to see behind, underneath or around machinery
- Telescoping mirror for versatility
- Powerful rare earth magnets on the opposite end
- Use the magnet to retrieve metal items or as a magnetic base to hold the inspection mirror in place



Mirror Width	Mirror Length	Material	Overall Length	Extended Length	Pull	Order No.	Regular Price	SALE
1 1/4"	2"	Glass	6"	24 1/4"	2 lbs	NE70315G240	36.64	28.56

4044

MAG-MATE Stainless Steel Inspection Mirrors

- Ideal for use in critical areas where foreign objects cannot be left behind
- FOD free and great for high heat areas
- Telescoping shafts and non-slip solvent resistant grips on all models except NE701IMS103 and NE701IMS105 which have knurled handles and bendable shafts



Mirror Diameter	Overall Length	Extended Length	Shape	Order No.	Regular Price	SALE
2-1/4"	36"	36"	Round	NE701IMS123	38.50	29.22

4050

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



Tip Size	Drive Size	Overall Length	Model No	Order No.	Regular Price	SALE
3/16"	1/4"	3"	M6N-0806-3	KW7061015	56.47	42.35
1/4"	1/4"	2"	M6N-0808-2	KW7061020	54.47	40.85
1/4"	1/4"	3"	M6N-0808-3	KW7061025	58.95	44.21
5/16"	1/4"	3"	M6N-0810-3	KW7061030	61.10	45.83
5/16"	1/4"	6"	M6N-0810-6	KW7061035	72.67	54.50
3/8"	1/4"	3"	M6N-0812-3	KW7061040	67.74	50.81
3/8"	1/4"	6"	M6N-0812-6	KW7061045	80.70	60.53
7/16"	1/4"	3"	M6N-0814-3	KW7061050	71.90	53.93
1/2"	1/4"	3"	M6N-0816-3	KW7061055	74.68	56.01

6460

CRESCENT Adjustable Wrench Taper Handle

- Wider knurl for easier adjustment
- Laser etched scale provides a quick and convenient way to determine fastener size in either english or metric
- Tension spring stabilizes jaw and knurl adjustments
- Alloy steel - heat treated



Overall Length	Jaw Capacity	Order No.	Regular Price	SALE
10"	1 5/16"	KW50AC210VS	47.77	38.24
12"	1 1/2"	KW50AC212VS	54.29	43.42

6587



Metric Balldrivers & Hex Key Sets

- Sets come in plastic holder that firmly retains the keys in size marked holes
- Balldriver provides a 25° angle entry
- Heat treated steel- metric
- Wiha brand has Magic Ring has spring hardened steel ring in key that holds the screw on the tool for an exact fit and is hard chrome plated, all other brands are black oxide treated
- Available in long & short arm



Number of Pieces	Driver Style	Arm Type	Sizes Included	COO	BrandName	Order No.	Price	SALE
6	Ball End Hex	Long	1.5 mm, 2 mm, 2.5 mm, 3 mm, 4 mm, 5 mm	USA	Bondhus	KN5310946	14.62	10.97
7	Hex	Long	1.5 mm, 2 mm, 2.5 mm, 3 mm, 4 mm, 5 mm, 6 mm	USA	Eklind	KM5010607	17.02	13.01
7	Ball End Hex	Long	1.5 mm, 2 mm, 2.5 mm, 3 mm, 4 mm, 5 mm, 6 mm	USA	Eklind	KM5013607	20.85	17.04
9	Hex	Short	1.5 mm, 2 mm, 2.5 mm, 3 mm, 4 mm, 5 mm, 6 mm, 8 mm, 10 mm	USA	Eklind	KM5010509	22.04	16.77
9	Hex	Long	1.5 mm, 2 mm, 2.5 mm, 3 mm, 4 mm, 5 mm, 6 mm, 8 mm, 10 mm	USA	Eklind	KM5010609	27.59	20.95
9	Hex	Balldriver	1.5 mm, 2 mm, 2.5 mm, 3 mm, 4 mm, 5 mm, 6 mm, 8 mm, 10 mm	USA	Proto	KP4227020	36.13	27.10
9	Ball End Hex	L-key	1.5 mm, 2 mm, 2.5 mm, 3 mm, 4 mm, 5 mm, 6 mm, 8 mm, 10 mm	USA	Bondhus	KN5369699	59.89	44.92
9	Double Ball	Long	1.5 mm, 2 mm, 2.5 mm, 3 mm, 4 mm, 5 mm, 6 mm, 8 mm, 10 mm	USA	Bondhus	KN5367099	48.95	36.71
15	Hex	Standard	.7 mm, .9 mm, 1.3 mm, 1.5 mm, 2 mm, 2.5 mm, 3 mm, 4 mm, 5 mm, 6 mm, 8 mm, 10 mm, 12 mm, 14 mm, 17 mm	USA	Proto	KP4227045	105.52	79.14
13	Ball End Hex	Long	1.3 mm, 1.5 mm, 2 mm, 2.5 mm, 3 mm, 4 mm, 5 mm, 6 mm, 8 mm, 10 mm, 12 mm, 14 mm, 17 mm	USA	Eklind	KM5013613	147.20	110.40

6523

Channel 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



Overall Length	Minimum Capacity	Maximum Capacity	Order No.	Regular Price	SALE
9"	1 3/4"	3 1/2"	LB50209	37.54	30.30
12"	2-1/2"	3-3/4"	LB502012	51.11	42.48
12"	2 3/4"	4 1/4"	LB50212	48.70	39.28
15 1/2"	2 1/2"	5 1/2"	LB50215	58.45	47.07

† 30 Degree angled head

6556

Eklind Balldriver Standard & Metric Sets

- Standard & Metric-Long Arm
- Alloy steel- heat treated for optimum strength and ductility
- Sets come in plastic holder that firmly retains the keys in size marked holes
- Balldriver provides a 25° angle entry



Number of Pieces	Sizes Included	Order No.	Regular Price	SALE
9	1.5 mm, 2 mm, 2.5 mm, 3 mm, 4 mm, 5 mm, 6 mm, 8 mm, 10 mm	KM5013609	37.98	11.75
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"	KM5013213	45.60	14.00
22	.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, 1/2, 2.5, 3, 4, 5, 6, 8, & 10	KM5013222	89.10	53.46

6594

PRM PRO Pinch Bars

- Line-up pry bars are used for moving and adjusting metal or wood
- Tapered on one side and flat on the other



Overall Length	Order No.	Regular Price	SALE
14"	LC715031	13.86	11.89
18"	LC717794	15.40	13.53
20"	LC715032	18.10	15.15
24"	LC717795	20.03	16.71

6947

IRWIN VISE-GRIP "The Original" Locking Pliers

- Curved and straight jaws
- Wire cutters available
- Tremendous pressure applies when closed
- Guarded release trigger to protect against accidental release
- Hardened teeth to grip from any angle



Curved						
Overall Length	Jaw Capacity	Jaw Thickness	Wire Cutter	Order No.	Regular Price	SALE
4"	15/16"	1/4"	Yes	KX504WR	29.89	25.78
5"	1 1/8"	1/4"	Yes	KX505WR	41.76	32.86
7"	1 1/2"	5/16"	Yes	KX507WR	42.90	34.12
7"	1 5/8"	5/16"	-	KX507CR	42.90	34.12
10"	1 7/8"	3/8"	Yes	KX5010WR	43.64	35.29
10"	1 7/8"	3/8"	-	KX5010CR	43.71	35.35

Straight						
Overall Length	Jaw Capacity	Jaw Thickness	Wire Cutter	Order No.	Regular Price	SALE
7"	1 5/16"	5/16"	No	KX507R	42.90	34.12
10"	1 3/4"	7/16"	No	KX5010R	43.64	35.29

6796

LUTZ File Card

Sharp steel bristles dig and quickly remove filings from grooves of files to restore their clean cutting capacity



BrandName	Type	Order No.	Regular Price	SALE
Lutz	Heavy Duty File Card	FS5010	18.01	13.51

6851

PRM PRO Deadblow Hammers

- Non-marring, non-sparking
- Hot cast polyurethane construction
- Outlasts rawhide, rubber, lead and other plastic type heads by 10-20 times
- Shot filled canister provides dead blow action for sustained impact, maximum power and striking force



Head Weight	Head Diameter	Handle Length	Order No.	Regular Price	SALE
13 oz	1 1/4"	10"	KY4050013	50.18	35.63
21 oz	1 3/4"	11"	KY4050021	53.34	37.93
26 oz	2"	13"	KY4050026	58.70	41.68
45 oz	2 1/4"	14 1/2"	KY4050045	76.29	54.22
53 oz	2 3/4"	15"	KY4050053	106.68	75.85
5.5 lbs	2 3/4"	20"	KY4050088	145.91	103.75
9 lbs	2 3/4"	30"	KY4050144	202.76	144.18
10.5 lbs	3 1/4"	30"	KY4050168	277.77	197.46
12 lbs	3 1/4"	36"	KY4050192	315.29	224.10

6944

HAND TOOLS

PRM PRO 2 Way ERGO Torx T-Handle Drivers

- Two drive ends for multiple driving angles
- S2 modified steel through hardness for maximum durability
- Ergonomic dual handle
- Storage hook hole
- Satin chrome finish
- Lifetime warranty against mfg defect

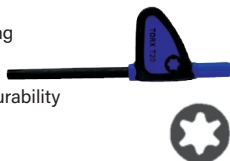


Torx Size	Blade Length	Order No.	Regular Price	SALE
T10	4"	KN7010010	9.55	6.41
T15	4"	KN7010015	10.12	6.86
T20	4"	KN7010020	10.12	6.86
T25	6"	KN7010025	11.17	7.55

6950

PRM PRO Torx® Flag Drivers

- Flag shape style wing with thumb stop
- Top spinner knob for easy control and smooth turning
- Flag handles molded on for permanent bond
- Exact fit machined tips
- S2 modified steel through hardness for maximum durability
- Lifetime warranty against mfg defect



Torx Size	Order No.	Regular Price	SALE
T6	KN7010306	5.15	3.86
T7	KN7010307	5.15	3.86
T8	KN7010308	5.15	3.86
T9	KN7010309	4.58	3.44
T10	KN7010310	4.58	3.44
T15	KN7010315	4.58	3.44
T20	KN7010320	4.58	3.44

6951

PROTO 11 Pc 1/4" and 3/8" Drive Torx® Bit Set

- T10 to T50 (full polish)
- 2 Bit holders
- Pouch

Note: Not for impact applications



Model No	Order No.	Regular Price	SALE
J5239P	KP4250875	73.42	54.05

7061

PROTO 18 Pc Small Ring Plier Set with Replaceable Tip

- Includes one internal and one external pliers
- Convenient blow-molded carrying case includes storage for spare rings
- Custom grip handles for added comfort
- Contains 16 interchangeable tips
- Covers ring range: external 1-1/2" - 3-3/4" internal 2-7/16" - 4"
- Spring loaded ratchet mechanism
- Pliers overall length 9-1/2"



Tip Diameter	Model No	Order No.	Regular Price	SALE
0.120"	J361	KP4230760	362.08	264.69

7082

PROTO 38 Pc. Insert - Power Bit Set

- Magnetic tray to help keep pieces in place
- Not for use on impact applications
- Contains: #1, #2, #3 phillips®, #1, #2 pozidrive, 4F-5R, 6F-8R, 8F-10R, 10F-12R, 12F-14R, 14F-16R slotted, T6, T7, T8, T9, T10, T15, T20, T25, T30, T40 torx, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16 socket head, #0, #1, #2, #3 square recess, 1/8, 5/32, 3/16 clutch, magnetic bit holder, power bit holder



Model No	Order No.	Regular Price	SALE
J61906	KP4250865	231.10	160.87

7155

PROTO Drive Extensions

Full Polish

- Extensions help provide access to fasteners in areas that might otherwise be difficult to reach



Drive Size	Overall Length	ManufacturerNo	Order No.	Regular Price	SALE
1/4"	2"	J4759	KP4240525	18.79	14.88
1/4"	3"	J4760	KP4240530	22.99	17.97
1/4"	6"	J4761	KP4240535	23.80	19.28
3/8"	3"	J5260	KP4240565	24.89	19.30
3/8"	6"	J5260-06	KP4240570	30.52	21.63
3/8"	8"	J5261	KP4240575	34.27	26.72
3/8"	12"	J5262	KP4240580	38.02	29.70
1/2"	2 1/2"	J5460	KP4240600	32.76	24.76
1/2"	5"	J5461	KP4240605	36.75	30.32
1/2"	10"	J5463	KP4240610	46.62	36.08
1/2"	20"	J5464	KP4240615	80.44	58.60

7240

WILLIAMS 10 Pc. Extractor Set

- Will remove broken screws, bolts, studs and pipes
- Will handle a range from 1/4" to 1-1/2"
- A space for the proper drill size has been molded in the case for your convenience



For Removing	Drive Size	Order No.	Regular Price	SALE
1/4" - 5/16", 3/8", 7/16", 1/2" - 9/16", 5/8", 3/4", 7/8", 1" - 1-1/8", 1-1/4" - 1-3/8" 1-1/2"	1/8", 3/16", 7/32", 5/16", 3/8", 15/32", 9/16", 21/32", 13/16", 1 1/16"	KP30EXS10	270.30	162.00

7518

WILLIAMS Adjustable Spanner Wrenches - Hook & Pin

- 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



Adjustable Hook Spanner Wrench						
Maximum Capacity	Overall Length	Pin Length	Pin Diameter	Order No.	Regular Price	SALE
2"	6 3/8"	-	-	KP30471	67.60	35.92
3"	8 1/8"	-	-	KP30472	76.62	40.72
4 3/4"	11 3/8"	-	-	KP30474	106.82	56.76
6 1/4"	12 1/8"	-	-	KP30474A	112.92	60.00
8 3/4"	13 3/4"	-	-	KP30474B	136.47	72.52

Adjustable Pin Spanner Wrench						
Maximum Capacity	Overall Length	Pin Length	Pin Diameter	Order No.	Regular Price	SALE
2"	6"	1/8"	1/8"	KP300471	71.13	37.79
2"	6 1/8"	5/32"	3/16"	KP300471A	71.13	37.79
3"	7 1/2"	3/16"	3/16"	KP300472	80.47	42.76
3"	7 1/2"	7/32"	1/4"	KP300472A	80.47	42.76
4 3/4"	10 1/2"	1/4"	1/4"	KP300474	110.73	58.84
6 1/4"	10 1/2"	1/4"	3/8"	KP300474A	118.76	63.10

7563

WILLIAMS® 4 Pc. Mini Pick & Hook Set**Bi-Mold Comfort Grip Handles**

- Bi-mold handles provide comfortable grip, reducing hand fatigue
- Use for scribing, alignment, o-ring removal, and parts cleaning
- Small size makes them ideal for hard to reach work surfaces
- **Contents:** straight pick, 45° bent tip pick, 90° bent tip pick, full semi-circular hook
- Lifetime warranty



Order No.	Regular Price	SALE
KP3040201	50.89	40.64

7549

WILLIAMS® Locking Pliers Sets**Features**

- Convenient one-hand release lever
- Heavy-duty jaw surfaces provide extra gripping power
- Satin chrome finish



Number of Pieces	Set Includes	Order No.	Regular Price	SALE
3	5" Curved Jaw Locking Pliers with Cutter, 7" Curved Jaw Locking Pliers with Cutter, 10" Curved Jaw Locking Pliers with Cutter	KP3023072	47.31	31.78
4	5" Curved Jaw Locking Pliers with Cutter, 10" Curved Jaw Locking Pliers with Cutter, 6" Long Nose with Wire Cutter, 9" Long Nose with Wire Cutter	KP3023074	64.02	42.75

7590

WILLIAMS® Ratchets

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



Drive Size	Overall Length	Head Style	Handle Type	COO	Order No.	Regular Price	SALE
1/4"	5"	Round, Pear, Flex Head, & Open Head	Smooth	Taiwan	KP3030001	41.96	28.47
3/4"	20"	Narrow Pear	Plain	China	KP30H51B	294.67	194.23
3/8"	9 3/4"	Narrow Pear	Smooth	USA	KP30B52EHFB	126.13	83.37

7598

STANLEY 12-in-1 Multi-Tool

- Stainless-steel construction
- High quality nylon holster
- Includes the following tools, Long nose pliers, Curve jaw pliers, Wire cutter, saw, Phillips screwdriver, Standard screwdrivers (1/4", 5/16", 1/8"), Small knife, Large knife, Bottle opener



Number of Functions	Overall Length	Model No	Order No.	Regular Price	SALE
12	6 1/2"	84-519K	KP433064	45.28	36.47

7682

STANLEY Folding Utility Knife

- One-handed open/close
- Tool-free blade changes
- Aluminum design for durability and light weight
- Stainless-steel belt clip for convenience
- Accepts standard utility and hook blades



Overall Length	Blade Length	Manufacturer No	Order No.	Regular Price	SALE
5 3/4"	2 7/16"	10-855	KP431950	31.89	23.40

7745

STANLEY 4 Pc. Bi-Material Pliers Set

- Pliers set designed for grasping, bending and cutting
- Slip-resistant bi-material handle for a comfortable grip
- Drop-forged steel is strong and durable
- Meets ANSI specifications

Set Includes:

- 8" Slip Joint
- 7" Diagonal
- 8" Linesman
- 8" Long Nose



Model No	Order No.	Regular Price	SALE
84-058	KP433026	79.49	58.57

7700

TITAN™ 148 Pc. Master Security Bit Set**Enormous selection of the most popular, and hard to find bits for many different applications**

- 1/4" Drive 1" socket adapter
- 3-1/2" Magnetic bit holder
- Quick release bit holder
- (13) 2" Bits: Pozzi drive #2, #3; square S2; torx T10-T40; phillips #1- #3
- (13) 3" Bits: SAE hex 3/16", 1/4"; slotted 1/4"; phillips #1- #3; square S1-S3
- (120) 1" Bits: pozzi 0-4; tri-wing 1-4; security star T10-T50; spline M5, M6, M8; phillips #00 - #4; spanner 4-10; slotted 2-8mm; metric hex 1.5-8mm; security torx T5-T45; SAE hex 1/16 -1/4"; security SAE hex 2-6mm; torx T5-T45; square #0 - #3; four wing 6-10; Clutch #1 - #3



Order No.	Regular Price	SALE
KP8216148	128.31	89.80

7882

* Available while supplies last

TITAN™ Folding Knife with Locking Jaw Wrench

- Folding knife with locking blade
- Blade length: 3"
- Jaw opening: 0.25" - 0.75"
- Stainless steel construction



Length Closed	Length Open	Order No.	Regular Price	SALE
6"	9"	KP8211110	53.13	42.43

7904

Available while supplies last

WORLD CLASS QUALITY Transfer Punch Set**With Indexed Stand 1/2" thru 1" by 64ths**

- 33 Punches
- Heat treated tempered steel
- Black oxide finish



Order No.	Regular Price	SALE
KH55NTP33	207.95	134.17

7915

WORLD CLASS QUALITY Transfer Punch Set**With Indexed Stand 3/32" thru 1/2" by 64ths Plus 17/32"**

- 28 Punches
- Heat treated tempered steel
- Black oxide finish

Consists of one (1) each of punch sizes in indexed stand



Order No.	Regular Price	SALE
KH55NTP	36.48	21.89

7913

HAND TOOLS

WILLIAMS Pipe Wrenches

Aluminum, Heavy Duty

- Scale on wrench indicates pipe diameter
- Aluminum pipe wrenches are approximately 40% lighter than cast iron
- Heavy duty construction for strength and durability



Pipe Wrench			
Sizes Included	Order No.	Regular Price	SALE
10"	KP3013502	53.79	40.34
12"	KP3013504	70.51	52.88

Pipe Wrench Set			
Sizes Included	Order No.	Regular Price	SALE
8", 12", 18"	KP3013542	223.32	139.00

25001

WILLIAMS Utility Knives

with Autoload Quick Blade

- Heavy duty .025" thick 2 notch blades
- Autoload knife features quick blade change and loading with no disassembly



Order No.	Regular Price	SALE
KP3040052	34.11	23.00

25009

PRM PRO Flat Hand

Files - Professional Grade

- Single cut on the edges and taper towards the top
- Flat files are double cut on both sides
- 100% warranty against manufactures defect
- Excellent for a "Hogging" or rapid stock removal
- Three cuts: Bastard for coarse filing, 2nd cut for moderate stock removal and Smooth for finishing



Overall Length	2nd Cut			Bastard			Smooth		
	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
4"	-	-	-	PR0410404	6.92	3.24	PR0410504	10.60	5.02
6"	PR0410306	8.29	3.97	PR0410406	7.94	3.76	PR0410506	9.59	4.49
8"	PR0410308	10.39	4.91	PR0410408	9.95	4.70	PR0410508	12.47	5.95
10"	PR0410310	13.92	6.58	PR0410410	13.19	6.27	PR0410510	16.59	7.84
12"	PR0410312	22.20	10.55	PR0410412	17.16	8.15	PR0410512	21.63	10.24
14"	PR0410314	23.94	11.39	PR0410414	27.90	13.27	PR0410514	33.53	15.88
16"	-	-	-	PR0410416	41.82	19.85	-	-	-

28645

STANLEY Fatmax® Open Mouth Tool Bag

- Central zipper allows for quick access and maximum visibility to contents when opened
- Injected polypropylene hard base extends life of bag by strengthening base and makes bag bottom water-resistant
- Rubber grip handle and padded shoulder strap for extra comfort
- Multiple easy access pockets and compartments for maximum organization



Height	Width	Length	Model No	Order No.	Regular Price	SALE
12"	10 3/8"	19"	518150M	KP438038	107.58	79.21

29405

wiha Soft Grip Side Drive Balldriver T-Handles

- Soft Grips for incredible comfort
- Chrome-V-Moly Super Tool Steel
- Industrial Black Finish Blades
- Ergonomic Shape For Max Power
- Ball and Hex Drive (based on size)



Hex Key			
Ball End Size	Order No.	Regular Price	SALE
5/64"	KN5433418	9.41	7.05
3/32"	KN5433420	9.41	7.05
7/64"	KN5433422	9.81	7.04
1/8"	KN5433424	9.81	7.04
9/64"	KN5433426	9.81	7.04

Dual Drive Ball End Hex			
Ball End Size	Order No.	Regular Price	SALE
5/32"	KN5433428	9.81	7.04
3/16"	KN5433430	11.00	8.07
7/32"	KN5433432	12.51	9.08
1/4"	KN5433433	14.44	10.09
5/16"	KN5433439	17.78	12.11
3/8"	KN5433440	24.69	17.28

7996

wiha Cushion Grip Equipment Screwdriver Sets

- Precision machined exact fit phillips tips
- Heavy duty hex blade of wiha crm-72 tool steel
- Through hardened for maximum durability
- Hard chromed finish, best wear & corrosion resistance
- Molded on cushion grips



Number of Pieces	Sizes Included	Order No.	Regular Price	SALE
8	Slotted: 3 mm, 4 mm, 5.5 mm, 6.5 mm, 8 mm, Phillips: #1, #2, #3	KN5430298	120.06	95.88
20	Slotted: 3, 4, 5.5, 6.5, 8 mm, Phillips: #0, #1, #2, Square: #1, #2, #3, Pozidriv: #1, #2, Torx: T6, T8, T10, T15, T20, T25, T30	KN5430299	254.41	190.81
5	Slotted: 5.5 mm, 6.5 mm, 8 mm, Phillips: #1, #2	KN5453390	155.15	108.61

22518

wiha TORX® & TorxPlus® Wing Handle Sets

- TORX: T6, T7, T8, T9, T10, T15, T20 & metal stand
- TORXPlus: IP6, IP7, IP8, IP9, IP10, IP15, IP20 & metal stand



KN5436592

KN5436590

Number of Pieces	Driver Style	Order No.	Regular Price	SALE
7	Torx	KN5436590	39.10	26.33

22522

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"



Order No.	Regular Price	SALE
KH50317	268.18	201.12

7673

Young Bros. Heavy Duty Combination Stamps Sets

- 36 Characters: 27 Letters (A-Z), 9 (Numbers)



Character Size	Square Size	Overall Length	Weight	Order No.	Regular Price	SALE
1/32"	1/4"	2 3/8"	2 lbs	KF5000363	349.78	262.78
1/16"	1/4"	2 3/8"	2 lbs	KF5001363	276.72	207.81
3/32"	5/16"	2 1/2"	3 lbs	KF5002363	276.72	207.81
1/8"	5/16"	2 1/2"	3 lbs	KF5003363	276.72	207.81
5/32"	3/8"	23/4"	4 lbs	KF5004363	311.53	234.24
3/16"	3/8"	2 3/4"	4 lbs	KF5005363	328.20	246.26
1/4"	7/16"	3"	6 lbs	KF5006363	378.15	283.65
5/16"	1/2"	3"	8 lbs	KF5007363	473.17	355.13
3/8"	9/16"	3 1/8"	11 lbs	KF5008363	543.20	406.84
1/2"	3/4"	3 3/4"	28 lbs	KF5009363	864.57	647.67

8077

NNOGA Double Burr

- Includes: Double burr, hand guard, 2 x N80 blades
- Simultaneously removes burrs from both sides of sheet metal
- Hand guard for safety
- Use one blade only for corners



Order No.	Regular Price	SALE
FN55DB1000	35.62	22.88

10075

NNOGA Ceramic Convexed Cera-Cut & Blades

- Ideal for all plastic materials, soft metals, surface scraping and parting line deflashing
- Blade can be replaced
- Includes: Cera-Cut handle and 250mm convexed radius blade



Included	Order No.	Regular Price	SALE
Cera-Cut Handle / 250 mm Convex Blade	FN55CR2000	53.03	42.45

10069

NNOGA Adjustable Scraper

- Ideal for scraping, trimming and deburring almost all materials
- Includes: 12mm anodized handle and T80 double ended triangular scraper



Application	Order No.	Regular Price	SALE
Scraping, Trimming, Deburring	FN55SC8000	30.69	24.58

10067

NNOGA 007

- Deburring, cleaning, finishing and countersinking
- Includes: RB handle, o-ring blade, RD16.5 RotoDrive countersink, EX18 External RotoDrive countersink, thread cleaner blade, S100 blade, S150 blade



Order No.	Regular Price	SALE
FN55007	91.99	73.58

10065

NNOGA 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	55.20	40.46

10093

NNOGA N Tele Set

- Deburr: steel, aluminum, plastic, brass and cast iron
- Includes: NogaGrip 3 handle, N holder, 5 Pcs. N1 blades, 5 Pcs. N2 blades



Order No.	Regular Price	SALE
FN55NG8300	27.87	20.90

10101

NNOGA S Tele Set

- Deburr: steel, aluminum, plastic, brass and cast iron
- Includes: NogaGrip, 3 handle, S holder, 5 Pcs. S10 blades, 5 Pcs., S20 blades



Order No.	Regular Price	SALE
FN55NG8350	33.28	24.96

10114

NNOGA Replacement Blades



Application	Blade Type	Shaviv Equivalent	Order No.	Regular Price	SALE
Steel, Aluminum, Plastic, Carbide	B10CO	None	FN55B10CO	3.98	2.73
Steel, Aluminum, Plastic	N1	B10	FN55N1	3.15	1.94
Steel, Aluminum, Plastic, Solid Carbide	N1C	B10C	FN55N1C	11.20	7.59
Steel, Aluminum, Plastic, Diamond Coated	N1D	None	FN55N1D	18.93	15.26
Steel, Aluminum, Plastic - Left Handed	N1LH	None	FN55N1LH	4.45	2.77
High Wear Materials, TiN Coated	N1TiN	B10P	FN55N1TiN	4.07	3.21
Brass, Cast Iron	N2	B20	FN55N2	3.15	2.16
Brass, Cast Iron	N2C	B20C	FN55N2C	11.21	7.58
Remove External & Internal Burrs	N3	B30	FN55N3	4.03	3.24
Inside Cross Holes and Back Side of Walls	N6	B60	FN55N6	6.06	4.31
Steel, Aluminum, Plastic	S10	E100	FN55S10	4.13	2.74
Stainless Steel	S100	None	FN55S100	4.79	3.24
Small Holes	S101	None	FN55S101	4.27	2.77
Small Holes - Left Handed	S101LH	None	FN55S101LH	5.01	3.23
Steel, Aluminum, Plastic, Diamond Coated	S10D	None	FN55S10D	19.47	13.03
Steel, Aluminum, Plastic - Left Handed	S10LH	None	FN55S10LH	5.70	3.87
High Wear Materials, TiN Coated	S10TiN	E100P	FN55S10TiN	5.18	4.18
Very Small Holes	S150	None	FN55S150	4.72	3.24
Very Small Holes, TiN Coated	S150-TiN	None	FN55BK3112	5.40	4.56
Brass, Cast Iron	S20	E200	FN55S20	4.52	2.76
Fine Point for Brass + Cast Iron	S202	None	FN55S202	4.72	3.24
Remove External & Internal Burrs	S30	E300	FN55S30	4.52	3.01
For Straight Edges	S35	E350	FN55S35	4.66	3.04
Inside Cross Holes and Back Side of Walls	S60	E600	FN55S60	6.41	4.34

10109

NNOGA 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	88.37	57.82

10120

Die Setter Bars

- A practical shop tool for quick separation of punch and die holder



Overall Length	Thickness	Order No.	Regular Price	SALE
18"	5/8"	KS517035	66.98	51.02
30"	3/4"	KS517037	93.09	69.94

23682

HAND TOOLS



Countersink, Holders and Blades



Included	Order No.	Regular Price	SALE
NogaGrip 3 Handle / C Holder / C20 Countersink Blade (20 mm)	FN55NG3100	50.04	40.04

22470



Brass Hammers

- Barrel type heads
- Polished hickory handles with non-slip grip



Head Weight	Order No.	Regular Price	SALE
1/2 lbs	KY51B1	104.26	70.11
1 lbs	KY51B2	116.75	78.15
2 lbs	KY51B4	158.46	100.51
3 lbs	KY51B5	275.24	158.28
4 lbs	KY51B6	329.46	196.00
5 lbs	KY51B7	400.33	233.61

23287

PRM PRO Dead Blow Hammers

- Steel shot inside head eliminates rebound, conserving energy of each blow
- High-impact poly jacket surrounds the all-steel handle* and head, preventing marring of surfaces
- Diamond textured handle for non-slip grip
- Made with lead-free and 3P phthalate-free materials
- Lifetime warranty against manufacture defects



Head Weight	Head Diameter	Head Length	Overall Length	Order No.	Regular Price	SALE
1LB	1-7/16	3-5/8	11-3/4	PR0210100	36.60	26.07
1.5LB	1-7/8	3-5/8	12	PR0210150	42.70	30.25
2LB	2	4	13	PR0210200	48.80	34.42
2.5LB	2-1/4	4-1/4	14-1/2	PR0210250	56.57	39.65
3LB	2-1/2	4-5/8	15	PR0210300	41.45	29.20
3.5LB	2-5/8	5	15-1/2	PR0210350	44.49	31.29
6LB	3-5/8	6	36-1/2	PR0210600	148.46	104.43
10LB	4	8	36-7/8	PR0211000	197.92	138.90

* 6 lbs and 10 lbs have yellow fiberglass handle

22449



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
- Size of abrasive part: 2"L x 3/4"W - 5-7/8" OAL



Grade	Order No.	Regular Price	SALE
Coarse	FT65EZELC	17.63	14.13
Fine	FT65EZELF	11.74	9.32
Medium	FT65EZELM	14.68	11.75

23132



Bar Clamps

- Handle and jaws engineered for strength and lightweight
- High carbon, heat treated steel bar
- Soft, pliable pads protect fine finishes
- Quick release trigger
- KX5000546 is a Mini Bar Clamp



Maximum Opening	Throat Depth	Reach	Order No.	Regular Price	SALE
6"	3 1/4"	7 1/2"-20 5/8"	KX5000546	31.53	20.46
6"	3 1/4"	7 1/2"-14 5/8"	KX50506QC	54.68	35.57
12"	3 1/4"	7 1/2"-26 5/8"	KX50512QC	63.50	41.29
18"	3 1/4"	7 1/2"-32 5/8"	KX50518QC	71.11	46.18
24"	3 1/4"	7 1/2"-44 5/8"	KX50524QC	78.02	50.72
36"	3 1/4"	7 1/2"-58 5/8"	KX50536QC	92.44	60.08

23449



NG Handles & S & N Holders



FN55EL01003

FN55EL02003

FN55NG1000
FN55NG2000
FN55NG3000

For Use With	Type	Order No.	Regular Price	SALE
N Blades	N Blade Holder	FN55EL01003	10.57	6.84
S Blades	S Blade Holder	FN55EL02003	10.57	6.84
S Blades	NG-1 Handle	FN55NG1000	13.19	10.87
N Blades	NG-2 Handle	FN55NG2000	13.52	10.85
All Blade Holders	NG-3 Handle	FN55NG3000	13.52	10.85

24075



Reversible Countersinks

- RC1000 - very fine tool for deburring both back side and front side of holes. Unique 2 pairs of cutting edges. Cuts in both clockwise and anti clockwise directions.
- RC2000 - similar to RC1000 only larger
- RC2200 - similar to RC2000 only larger



Included	Order No.	Regular Price	SALE
Steel Handle / R1 Blade	FN55RC1000	45.47	33.32
Steel Handle / R2 Blade	FN55RC2000	45.47	33.32
Steel Handle / R3 Blade	FN55RC2200	54.12	39.66
Set of all 3	FN55RC3300	145.07	106.32

24089



72 Pc. Tools Bits Set

Features:

- S2 material for higher torque, optimum durability and performance
- All parts are engineered and produced according to ANSI standard
- The set also includes a magnetic bit holder allowing for quick change of driving bits
- Folding case design is compact and robust with pivoting dual bit holders that allow for easy and quick access to the accessories
- Industrial case is made from a highly durable, plastic material



Set Includes	Order No.	Regular Price	SALE
Bits included: Hex, Phillips, Square, Slotted, Pozzi-Drive, Torx+, Nut Drivers, Magnetic Holder, Cones in 1 & 2" lengths	KP3024900	137.73	91.04

24984



Shockforce Tapes

- Every Shockforce and Shockforce Nite Eye is made to last and has a two-sided, 14-foot stand-out blade and diamond-abrasive coated and hook to help you measure faster.



Measuring Tape					Order No.	Regular Price	SALE
Blade Length	Blade Width	Blade Color	Case Color				
8 m, 26'	1-3/16"	Black	Black		MZ50L1025CB02	39.31	29.48

Shockforce Nite Eye Dual Sided Tape Measure					Order No.	Regular Price	SALE
Blade Length	Blade Width	Blade Color	Case Color				
16'	1-3/16 in	Black Blade with Hi-Viz Green Markings	Black		MZ50L1116B02	43.43	34.70
25'	1-3/16 in	Black Blade with Hi-Viz Green Markings	Black		MZ50L1125B02	54.29	43.42
35'	1-3/16 in	Black Blade with Hi-Viz Green Markings	Black		MZ50L1135B02	69.49	55.58

Shockforce Dual Sided Tape Measure					Order No.	Regular Price	SALE
Blade Length	Blade Width	Blade Color	Case Color				
8 m	1-3/16 in	Black Blade with Hi-Viz Green Markings	Black		MZ50L1125CMEB02	61.34	49.05
5 m	1-3/16 in	Black Blade with Hi-Viz Green Markings	Black		MZ50L1116CMEB02	49.07	39.20
16'	1-3/16 in	Yellow Blade with Black Markings	Black		MZ50L111602	49.07	39.20
5 m	1-3/16 in	Yellow Blade with Black Markings	Black		MZ50L1116CME02	49.07	39.20
25'	1-3/16 in	Yellow Blade with Black Markings	Black		MZ50L112502	54.29	43.42
35'	1-3/16 in	Yellow Blade with Black Markings	Black		MZ50L113502	78.53	62.81
10 m	1-3/16 in	Yellow Blade with Black Markings	Black		MZ50L1135CME02	78.53	62.81
8 m	1-3/16 in	Yellow Blade with Black Markings	Black		MZ50L1125CME02	61.34	49.05

23742

wiha Cushion Grip Screwdrivers TORX® Drivers

- 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



Tip Size	Order No.	Regular Price	SALE
T6	KN5436266	9.53	6.67
T7	KN5436268	9.27	6.49
T8	KN5436270	9.27	6.49
T9	KN5436272	10.31	7.22
T10	KN5436274	10.37	7.26
T15	KN5436276	11.18	7.83
T20	KN5436278	11.49	8.04
T25	KN5436280	13.66	9.56

25525

Crescent Wiss Shears & Scissors**Easy Snip Utility Shears**

- Quality 420 stainless steel blade
- Cushion grip handle
- Thumb latch for secure storage
- Lightweight
- Wire cutting notch in lower blade

Heavy Duty Industrial Shears

- Hot drop forged polished blades, made of quality cutlery steel
- Black handles

Electrician's Scissors

- Double stripping notch for 19 gauge (.035) and 23 gauge (.022) wire
- Hot drop forged solid steel & nickel plated
- Scrapper and file on back edge of blade



LA50WEZSNIP

LA5020
LA5022

LA50175E5

Overall Length	Blade Length	Type	Order No.	Regular Price	SALE
8 1/2"	4"	Easy Snip Shears	LA50WEZSNIP	34.41	26.84
10 1/2"	4 3/4"	Heavy Duty Industrial Shears	LA5020	98.32	76.69
12 1/2"	6"	Heavy Duty Industrial Shears	LA5022	113.07	88.19

25564

Crescent 9" Linesman Compound Action Cutting Plier

- Compound leverage design that increases cutting power
- Chrome vanadium steel for increased durability
- Co-molded grips for added comfort
- Induction hardened edges for long cutting life



Overall Length	Order No.	Regular Price	SALE
8"	KW50PS5429C	42.71	29.90

6584

Nicholson File Handles

- Interchangeable cushion inserts, designed to fit most popular files
- Available in standard or ergonomic



Shape	Order No.	Regular Price	SALE
Ergonomic	FR5021474H	13.59	10.19

6903

PRM PRO 5 Pc. Universal Utility File Set with Ergo Handles

- Set contains a well-rounded collection of general-purpose files
- Includes: 8" & 10" Mill Bastard, 10" Half-Rnd Bastard, 8" Mill Smooth, 6" Slim 2nd Cut
- Ergonomic Handles for comfort and safety
- Sturdy pouch that protects and organize file placement
- PRM Pro files are made for industrial use



Order No.	Regular Price	SALE
PR0450005	113.92	73.91

28815

PRM PRO 9 Pc. Maintenance File Set with Ergo Handles

- Set contains a complete file collection for the professional maintenance person
- Includes: 10" & 12" Mill Bastard, 8" & 10" Flat Bastard, 8" & 10" Half-Rnd Bastard, 10" Round Bastard, 6" Slim 2nd cut, & 6" xx Slim
- Sturdy pouch that protects and organize file placement
- PRM Pro files are made for industrial use



Order No.	Regular Price	SALE
PR0450009	207.94	134.91

28818

MAYHEW Punch & Chisel Sets

- Pin Punch Set - 45RC: 5 punches, 1/8, 5/32, 3/16, 1/4, 5/16"
- Cold Chisel Set - 15RC: 1/4, 5/16, 3/8, 1/2, 5/8, 3/4"

Punch & Chisel Set - 14RC

- 3/8" Center punch
- 1/8, 5/32, 3/16 & 7/32" Solid punches
- 1/8, 5/32, 13/64 & 3/16" Pin punches
- 7/16, 5/8, 3/4 & 7/8" Solid chisels
- 3/8" Prick punch



KS5045RC



KS5015RC

All Sets Feature:

- High-grade S-2 steel for superior tensile strength and toughness
- Full shank heat treating
- Black oxide finish
- Supplied in vinyl pouch
- Lifetime warranty



KS5014RC

Number of Pieces	Type	Sizes Included	Case	Model No	Order No.	Regular Price	SALE
5	Pin Punch Set	1/8 x 4-3/4, 5/32 x 5, 3/16 x 5-1/4, 1/4 x 5-3/4, 5/16 x 6	Vinyl Pouch	-	KS5045RC	60.79	45.77
6	Chisel Set	1/4" x 5", 5/16" x 5", 3/8" x 5 1/2", 1/2" x 6", 5/8" x 6 1/2", 3/4" x 7"	Vinyl Pouch	60560	KS5015RC	106.61	78.82
14	Punch & Chisel Set	1/4" x 5", 3/8" x 5 1/2", 1/2" x 6", 5/8" x 6 1/2", 3/4" x 7"	Vinyl Pouch	14RC	KS5014RC	210.50	155.54

30676

WORLD CLASS QUALITY 5 Pc. CBN Needle File Set†

- For finishing harder materials such as cast iron, nickel, etc. with RC50 or higher
- Available in medium grit only



Diamond Length	Overall Length	Grade	Order No.	Regular Price	SALE
3"	5 1/2"	Medium	FT605BFM	217.66	141.53

†Sets consist of 1 ea. of the shapes as indicated above

184

MEASURING TOOLS



Co-Axial Centering Indicators

For Quick Centering on Milling and Boring Set-UP

Using the Table X and Y Controls, move the workpiece until the indicator needle is stationary. Use in vertical or horizontal milling operations. Quickly changes from internal to external. **Features:**

- Operates at any angle
- Dial remains stationary while spindle rotates
- Internal or external diameters
- Set includes internal feeler, external feeler, retaining arm and case
- Capacity: ID 5/32 to 4-1/4" Dia.; OD - 0 to 4-1/4" Dia.



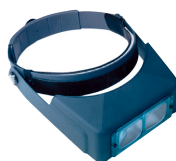
Order No.	Regular Price	SALE
NB72801	788.86	646.87

3341

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



		Magnifying Visor			Replacement Lens		
Magnification	Focal Distance	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
1.5X	20	JZ50DA2	114.62	91.70	JZ50LP2	74.76	59.77
1.75X	14	JZ50DA3	114.62	91.70	JZ50LP3	74.76	59.77
2X	10	JZ50DA4	114.62	91.70	JZ50LP4	74.76	59.77
2.5X	8	JZ50DA5	114.62	91.70	JZ50LP5	74.76	59.77
2.75X	6	JZ50DA7	124.17	99.32	JZ50LP7	85.07	68.00
3.5X	4	JZ50DA10	125.98	100.80	JZ50LP10	86.33	69.10

3433



Master Surface Roughness

Comparator

30 specimens from 2 to 500 micro finish with graph which correlates CLA, AA and RA values plus ISO "N" scale

- (3) spec. flat lapping
- (3) spec. reaming
- (6) spec. grinding
- (6) spec. horizontal milling
- (6) spec. vertical milling
- (6) spec. turning
- Wallet Style Case.

This scale conforms to SAE and Military

Specifications for visual and tactile inspections

Order No.	Regular Price	SALE
NB6216008	273.18	204.89

3488

Mitutoyo 1" Travel AGD 2 Dial Indicator

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



Order No.	Regular Price	SALE
MT802416S	203.84	177.34

4078



Long Range Dial Calipers

- .100" Per revolution
- .001" Dial graduations
- Covered rack
- Depth rod
- Hardened stainless steel rack
- Supplied in shop-hardened case



Measuring Range	Order No.	Regular Price	SALE
0-18"	NA5552008018	430.91	323.81
0-24"	NA5552008024	827.15	621.01

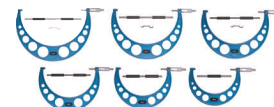
3667



Micrometer Sets

0 - 6", 0 - 8", or 0 - 12"

- Hammetone 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"	-	NA5552215006	656.59	492.65
0-12"	52-215-012-1	NA5552215012	1,990.51	1600.00
6" - 12"	52-215-612-1	NA5552215612	1,313.17	1,116.28

3517



Electronic Indicators

- Direct inch/metric conversion
- 1"/25mm Travel
- Auto off feature
- 2-1/4" Dial face
- Lugback and 3/8" stem diameter
- Resolution .0005"/0.01mm
- Tolerance indicators
- Absolute/incremental reading
- Floating zero
- Carbide tipped point



Total Range	Order No.	Regular Price	SALE
0-1" / 0-25mm	NA5554520250	478.67	382.37
0-1" / 0-25MM	NA5554520255	173.56	138.75
0 - 1" / 0 - 25mm	NA5554520260	199.51	159.24

3654



X-TEST Test Indicators

Twice the range of most indicators!

Now available in HORIZONTAL & VERTICAL!

- .060" Range
- Dial reading: 0-15-0
- Jeweled movement
- Revolution counter
- East-to-read tilted dial
- Automatic reversal
- Swivel arc: 210°
- .080" Tungsten carbide point
- Includes two dovetail stems
- Furnished in molded case



		Horizontal			Vertical		
Graduation	Dial Face Diameter	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
0.0005"	10"	NA5552562002	210.95	179.62	-	-	-
0.0005"	1 1/2"	NA5552562001	210.95	179.59	NA5552562004	231.00	184.80
0.0001"	10"	NA5552562003	344.37	258.44	-	-	-

3770

Starrett® Thickness Gage or Feeler Stock**In 12" and 304mm Lengths**

- Convenient 12" lengths, 1/2" wide
- 32 Thicknesses meet all requirements
- Rounded ends - no ragged edges
- Made of finest tempered steel
- Each piece marked with thickness and in individual envelope
- With convenient 3/16" hole punched in end for hanging up
- Popular priced



Blade Length - 12"			
Thickness	Order No.	Regular Price	SALE
0.001"	MV7052837	11.06	9.74
0.0015"	MV7052838	7.56	6.60
0.002"	MV7052839	7.14	6.23
0.0025"	MV7052840	7.14	6.23
0.003"	MV7052841	7.14	6.23
0.004"	MV7052842	5.46	4.78
0.005"	MV7052843	5.88	5.16
0.006"	MV7052844	5.46	4.78
0.007"	MV7052845	6.02	5.25
0.008"	MV7052846	5.74	5.06
0.009"	MV7052847	5.32	4.65
0.010"	MV7052848	5.32	4.65
0.011"	MV7052849	6.30	5.49
0.012"	MV7052850	6.30	5.49
0.013"	MV7052851	5.74	5.02
0.014"	MV7052852	5.74	5.02
0.015"	MV7052853	6.30	5.49
0.016"	MV7052854	6.30	5.49
0.017"	MV7052855	6.30	5.49
0.018"	MV7052856	6.30	5.49
0.019"	MV7052857	6.30	5.49
0.020"	MV7052858	6.30	5.49
0.021"	MV7052859	6.30	5.49
0.022"	MV7052860	6.30	5.49
0.023"	MV7052861	6.30	5.49
0.024"	MV7052862	6.30	5.51
0.025"	MV7052863	6.58	5.78
0.026"	MV7052864	6.30	5.51
0.027"	MV7052865	6.86	5.97
0.028"	MV7052866	6.86	5.97
0.029"	MV7052867	6.86	5.97
0.030"	MV7052868	6.58	5.78

Packed 12 pieces of a size in a box; Each piece in individual envelope.

1701

Fowler® Shockproof Dial Calipers with Thumb Roll

- 4-Way measuring
- Solid stainless steel construction
- Silky smooth movement throughout
- .100"/2mm Range per revolution
- .001"/0.02mm Reading dial face
- Tough shockproof design
- Supplied in shop-hardened case



Measuring Range	Order No.	Regular Price	SALE
0-6"	NA5552008706	151.41	121.01
0-6"	NA5552008707	151.41	120.98
0-8"	NA5552008708	294.49	235.54
0-12"	NA5552008712	397.43	356.17

3708

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



Style	Shank	Tip Diameter	End Type	Order No.	Regular Price	SALE
Edge	3/8"	0.200"	Single End	MV7053062	55.30	51.90
Edge/Center	1/2"	0.200" x Point	Double End	MV7053063	65.80	61.05
Edge	10 mm	6 mm	Single End	MV7056041	54.60	50.90

5028

Fowler® 0 - 1" Pocket Depth Gage

- Same features as above except 1"/25mm range



Order No.	Regular Price	SALE
NA5554225500	48.24	35.51

3794

Fowler® XTRA-VALUE^{Plus} Electronic Caliper

- Direct inch/metric/fraction conversion
- .0005" / 0.01mm / 1/128" Resolution
- Dust, water and oil resistant to IP54 standards making it great for shop environments
- Heavy-duty frame
- Floating zero
- 14 x 52mm Display
- Combined thumbrest and thumbroll for fine adjustment
- Includes spare battery and fitted case



Order No.	Regular Price	SALE
NA5554103006	145.87	125.00

3785

Fowler® Electronic Calipers

- Stainless steel frame
- Large easy-to-read display
- Resolution: .0005"/0.01mm
- Direct inch/metric conversion
- Absolute/incremental measurement
- 4 way measuring
- Complete in case



Measuring Range	Order No.	Regular Price	SALE
0-6" / 0-150 mm	NA55541011501	80.95	68.29
0-8" / 0-200 mm	NA5554101200	211.78	169.42
0-12" / 0-300 mm	NA55541013001	204.40	168.05
0-6" / 0-150 mm	NA55541016001	111.44	83.58
0-12" / 0-300 mm	NA55541019001	243.96	207.37

3791

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"



Horizontal Inch regular model							
Graduation	Total Range	Contact Length	Dial Size	Model No	Order No.	Regular Price	SALE
0.0001"	.016"	11/16"	1-1/2"	312B-3	MV4041680	680.68	558.16
0.0001"	.016"	11/16"	1"	312B-4	MV4041681	699.90	573.92
0.001"	.060"	11/16"	1"	312B-20	MV4041682	568.57	466.23
0.0005"	.060"	11/16"	1-1/2"	312B-1	MV4042775	552.55	442.04
0.0005"	.060"	11/16"	1"	312B-2	MV4086150	552.55	453.09

Inch Perpendicular model							
Graduation	Total Range	Contact Length	Dial Size	Model No	Order No.	Regular Price	SALE
0.0005"	.060"	11/16"	1-1/2"	312B-1V	MV4041685	590.99	484.61
0.0005"	.060"	11/16"	1"	312B-2V	MV4041686	589.39	483.30

3964

WORLD CLASS QUALITY 6 Pc. Hardness Testing Files

- Six specially shaped files, each with a nonslip grip, color-coded handle
- The Rockwell value is printed on each handle and the files range from HRc 40 through HRc 65
- Complete with storage case



Order No.	Regular Price	SALE
NR50FHC6	193.23	135.28

3884

WORLD CLASS QUALITY 6" Dial Caliper

- Graduation .001"
- Shockproof dial
- Stainless steel
- Supplied with certification



Model No	Measuring Range	Order No.	Regular Price	SALE
1311-12	0 - 12"	SZ2013112	266.31	218.37
1311-6	0-6"	SZ2013116	119.60	95.68
1311-8	0 - 8"	SZ2013118	158.55	130.01

3939

MEASURING TOOLS

Mitutoyo Radius Gage Sets

- Gages are stainless steel with no-glare satin finish
- Each gage is marked and have five different gaging surfaces for convex and concave radii
- All sets furnished in protective case



Number of Pieces	Minimum Radius	Maximum Radius	Order No.	Regular Price	SALE
25	1/64"	1/2"	MT80186-901	278.10	250.29
26	0.010"	0.500"	MT80186-906	281.01	252.91

4205

Mitutoyo Digimatic Calipers

Non-SPC Output with Absolute Encoder

- Zero-setting of the display position (incremental mode)
- Large LCD digits
- .0005" / 0.01mm Resolution
- Scale contamination detection function

Specifications:Function: ORIGIN Setting ZERO/ABS, ON/OFF - Inch/Metric

Measuring Range	Order No.	Regular Price	SALE
0-6" / 0-150 mm	MT80500-196-30	267.90	233.07
0-8" / 0-200 mm	MT80500-197-30	385.84	335.68
0-12" / 0-300 mm	MT80500-193-30	774.59	619.67

4126

Mitutoyo Coolant Proof Micrometers

Series 293 - with Dust/Water Protection Conforming to IP65 Level

- IP65 protection level, enabling use in environments exposed to cutting oil, etc-**note:** anti-corrosion treatment is required after use
- .00005"/0.001mm Resolution
- Carbide tipped measuring faces
- Uses SR44 battery (included)
- Auto power ON/OFF function
- Standard included on sizes over 1"/25mm
- Supplied in fitted case
- Replacement battery order number is KA56357BP3

Min. Measurement	Max. Measurement	Thimble Type	Type	Accuracy	Order No.	Regular Price	SALE
2" / 50.8 mm	3" / 76.2 mm	Ratchet	With SPC	±0.00005"	MT80293-332-30	599.87	509.89
0"	1" / 25.4 mm	Friction	With SPC	±0.00005"	MT80293-335-30	412.05	350.24
1"	2"	Friction	With SPC	±0.00005"	MT80293-336-30	484.85	412.12
0"	1" / 25.4 mm	Ratchet	No SPC	±0.00005"	MT80293-344-30	378.56	329.35
1"	2"	Ratchet	No SPC	±0.00005"	MT80293-345-30	416.42	362.29
2" / 50.8 mm	3" / 76.2 mm	Ratchet	No SPC	±0.00005"	MT80293-346-30	546.00	475.02
0"	1" / 25.4 mm	Ratchet		±0.0001"	MT80293-347-30	589.68	513.02
3" / 76.2 mm	4" / 101.6 mm	Friction		±0.00005"	MT80293-348-30	378.56	329.35

4157

Mitutoyo Series 1 Dial Indicators

.250" Total Range

- .001" Graduation
- .100" Range per revolution
- 1-5/8" Diameter face
- Vertically mounted lug on center back
- Ball type contact point

Dial Reading	Order No.	Regular Price	SALE
0-50-0	MT801411S	199.47	169.55

4212

Mitutoyo Test Indicator with Ruby Stylus

Specifications:

- Graduation: .0005"
- Measuring range: .03"
- Accuracy: ±.0005"
- Measuring force: .07165" or less
- Contact point diameter: .79"
- Stem diameter: 3/8"
- Wear characteristic improved by 50%
- Non magnetic and non conductive material enables use in EDM operations

Order No.	Regular Price	SALE
MT80513-472-10E	248.98	211.63

4228



Dial Gage Holders with Power On/Off Magnetic Base

- Top clamp holds 3/8" stem and dovetail
- Fine adjustment
- Central locking mechanism with spring loaded bearing
- NOGA dial gage holder is 3-dimensional
- Most powerful on/off magnetic base



Bottom Arm Length	Top Arm Length	Pull Force	Style	Order No.	Regular Price	SALE
4.33"	3.98"	176 lbf	Standard	FN60DG10533	223.24	165.91
4.33"	3.98"	176 lbf	Standard	FN60DG61003	208.67	154.17
12.8"	9.50"	290 lbf	Super Long	FN60MA61003	427.00	317.65
5.26"	5.24"	176 lbf	Long	FN60MG10533	263.39	196.47
5.26"	5.24"	176 lbf	Long	FN60MG61003	262.02	193.57
6.43"	4.45"	180 lbf	Extra Long	FN60MG71003	291.13	217.19

4265



Magnetic Base Indicator Holder

Model NF6160

- New double fine adjustment - Bottom: unique single direction; Top: universal swivel clamp
- Powerful ON/OFF magnetic base with 70 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 56mm
- Top arm measures 51mm
- Indicator NOT included



Order No.	Regular Price	SALE
FN60NF6160	199.33	148.42

4281



1/4" Precision Parallel Set

- 9 Pairs - 1/4" thick, 6" long
- 2 Pc. Each: 3/4, 7/8, 1, 1-1/8, 1-1/4, 1-3/8, 1-1/2, 1-5/8 & 1-3/4"
- Accuracy ±.0002
- Made of high grade tool steel
- Hardened and precision ground



Order No.	Regular Price	SALE
NM55TPS9	235.56	128.98

4351



PREMIUM 12" Combination Square

Protractor Head

- Precision cast & ground
- Protractor head moves 180° in both directions
- 1 Year Warranty



Order No.	Regular Price	SALE
PC23PH12	71.46	43.83

4365



PREMIUM 0-16" IP54 Origin

Mini Depth Gage

- Absolute encoding technology - memorize
- Origin zero position
- Includes 5 interchangeable depth rods, 1, 2, 3, 4 and 5", to extend the measuring depth to 16"
- 3-Reading functions: inch, metric & fractional
- Use as an indicator or depth gage
- Resolution: 0.0005" / .01mm / 1/128" indicator
- Travel: 1" Resolution: 0.0005" / .01mm / 1/128"
- Indicator travel: 1"
- 1 Year Warranty



Order No.	Regular Price	SALE
PC20EDG016IMFAB	81.12	60.84

4344

PROCHECK 12" Telescoping Gages

- Measure inside diameter
- Long handles for extra depth applications
- Spring loaded plunger expands within the bore
- Knurled clamp



Minimum Measurement	Maximum Measurement	Order No.	Regular Price	SALE
5/16"	1/2"	PC24TSG1P12	24.21	15.54
1/2"	3/4"	PC24TSG2P12	24.21	15.54
3/4"	1 1/4"	PC24TSG3P12	24.21	15.54
1 1/4"	2 1/8"	PC24TSG4P12	32.35	20.76
2 1/8"	3 1/2"	PC24TSG5P12	32.33	20.75
3 1/2"	6"	PC24TSG6P12	32.31	20.73

4368

PROCHECK Tri-Block Sets**Premium 1-2-3 Block Set:**

- Tolerance .0001" - .0003"
- Fitted plastic case

Economy Tri Blocks:

- Hardened 55 to 62 Hrc
- Tolerance .0003" to .0005" (0.005mm to 0.010mm for metric blocks)



Economy Tri Block					
Overall Width	Overall Length	Overall Height	Order No.	Regular Price	SALE
1"	2"	3"	NM52E123	33.60	21.56
25 mm	50 mm	75 mm	NM52E25M	56.57	36.30
2"	4"	6"	NM52PR246	338.42	217.18

Tri Block Set					
Overall Width	Overall Length	Overall Height	Order No.	Regular Price	SALE
1"	2"	3"	NM52PR123	77.15	49.51

4371

PROCHECK PREMIUM 2 Pc. Combination Square Set

- Cast & ground square
- Hardened and tempered satin chrome ruler
- Graduated in 8ths, 16ths, 32nds and 64ths
- Protractor moves 180° in both directions
- Square / miter head features a level vial and a hardened scribe tool
- Fitted case included
- 1 Year Warranty

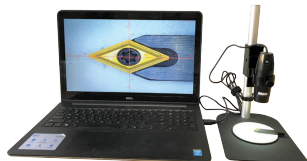


Order No.	Regular Price	SALE
PC23CS1224	86.55	52.19

4374

PROCHECK 200X Digital Microscope with Stand

- Magnification 10x - 200x @ 17" monitor full screen view
- Optical format: 1/3" CMOS Sensor (4:3)
- Field of View: Min: 2.5mm x 1.9mm @ 17mm working distance (200x), Max: 100mm x 75mm @ 300mm working distance (10x)
- Image sensor: 2.0 Mega Pixels
- Video Capture Resolution 1600 x 1200, 1280 x 960, 640 x 480
- Color: 24 bit RGB or YUV or MJPG
- Lens: High precision microscope lens
- Focus Range: Manual from 8mm to 300mm
- White balance: Auto
- Exposue Time: Auto
- Light Source: Integrated adjustable LED illumination
- Length: 122mm
- Diameter: 36mm
- Output: USB streaming video
- Power supply: from USB
- Software included
- Microscope stand included
- 1 Year Warranty



Order No.	Regular Price	SALE
PC22DM200S	564.68	389.70

4376

PROCHECK 5 Pc. Wiggler Sets

- For accurately locating working points on drill presses, lathes, milling and other machines
- Set consists of snap in holder, needle point attachment, ball contact attachment, disc contact attachment and offset indicator holder
- Supplied in plastic pouch



BrandName	Order No.	Regular Price	SALE
Procheck	NE60WCFS	17.12	12.84

4391

PROCHECK 36 Pc. Millionths Space Block Set

3/4" Diameter with 1/4-28 ID thread, ground, hardened and lapped. 4 Connecting screws included to form any length desired. Accuracy: ±.0002"

Consists of the following sizes:

- 9 Blocks - .101" thru .109" by .001"
- 15 Blocks - .050" thru .190" by .010"
- 9 Blocks - .200" thru 1.000" by .100"
- 1 Block - .0625"
- 1 Block - .125"
- 1 Block - 1.000"



Order No.	Regular Price	SALE
NF80PRI	114.00	70.87

4385

PROCHECK 5/16"-6" Telescoping Gage Sets

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



Style	Order No.	Regular Price	SALE
Economy	NN40290100	46.37	28.31

4392

PROCHECK ABSOLUTE Digital Height Gages

- Large easy to read LCD display
- Absolute technology that memorizes origin zero
- Resolution .0005" / 0.01mm
- Accuracy .0015"
- Indication variability .0005" / 0.01mm
- Connect and interactive with Procheck absolute digital indicators
- Optional USB data kit (PC26DCBL5PIN) available
- Compatible with optional wireless adaptor (PC26WTD1ABS)
- 1 Year Warranty



Total Range	Order No.	Regular Price	SALE
0 - 12" / 0 - 300mm	PC20HG012E	814.59	650.48
0 - 24" / 0 - 600mm	PC20HG024E	1,235.82	986.84

4425

PROCHECK 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	25.06	21.02

4452

PROCHECK Axial Support with Dovetail - 3/8" Shank

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



Order No.	Regular Price	SALE
PC21AS38DT	33.50	20.84

4453

MEASURING TOOLS

PRO-CHECK Bore Gage Setting Sets

- Accurately set any bore gage up to 6" in diameter to an accuracy of .0001" **Set includes:**
- Base anvil: 2.750" x .80" x .80"
- Adjustable anvil: 2.375" x .375" (two each)
- Internal capacity: 6"/150mm
- Depth capacity: 1"/25mm
- Centralizer capacity width: 2.625"/66.7mm
- Quick-release holder for fast adjustment



For Use With	Order No.	Regular Price	SALE
Base anvil: 2.750" x 0.80", Adjustable anvil: 2.375" x 0.375" (two each)	PC24BGSMI	891.44	539.09
Base anvil: 2.750" x 0.80", Adjustable anvil: 2.375" x 0.375" (two each)	PC24BGSM	972.44	588.10

4463

PRO-CHECK Central Lock Universal Clamp & Indicator Set

- Anodized universal clamp
- Easy grip and lock
- Protective padded case
- 1 Year Warranty
- 5/32" and 3/8" diameter posts with dovetail clamp
- Test indicator with .030" range and .0005" graduations



Order No.	Regular Price	SALE
PC21UC35K	142.77	86.66

4495

PRO-CHECK Combination Square Blades - 4R

- Hardened and tempered satin chrome ruler
- Graduated in 8ths, 16ths, 32nds and 64ths



Blade Size	Order No.	Regular Price	SALE
12"	PC23B124C	29.64	17.76
18"	PC23B184C	36.41	21.84
24"	PC23B244C	50.54	30.30

4507

PRO-CHECK Economy Jackscrew Set

- For leveling and adjusting machinery
- Easily fits into tight locations
- Total screw travel: 1"
- Minimum height: 2-3/8"
- Maximum body diameter is 1-1/4"
- Interchangeable parts have ringed shoulders and recesses for perfect alignment
- Set includes body, pivoting screw pad, conical screw-point, 2" body extension, 1" body extension, Vee cap, knife edge cap and wrench, shop hardened case
- Black oxide finish



Order No.	Regular Price	SALE
PC24JS7PS	65.84	52.49

4568

PRO-CHECK Magnetic Bases & Electronic Indicator Sets

- 0-1" Digital indicator
- Resolution: .0005"/0.01mm
- Magnetic base with fine adjustment
- Protective case
- 1 Year Warranty



Order No.	Regular Price	SALE
PC20MBFA15EK	140.55	85.62
PC20MBFL15EK	173.84	105.47

4598

PRO-CHECK Magnetic Bases

- Accepts all AGD dial indicators
- Permanent magnet (110 lb pull)
- On/off lever releases magnet
- Horizontal and vertical positioning capability
- Chrome rods and column
- V-Grooved base for mounting on cylindrical parts
- Accepts lug back groups 1, 2, 3 and 4
- Base size 2.36"L x 1.90"W x 2.00"H



Description	Order No.	Regular Price	SALE
Standard	PC21300	43.41	31.60
Fine Adjustment	PC21340	50.06	36.37

4569

PRO-CHECK PREMIUM Electronic Calipers

- 3-Way measurement
- Inch/metric conversion
- Hardened stainless steel jaws and depth rod
- Floating zero for comparative measurements
- No SPC output
- Certificate of Inspection included
- 1 Year Warranty



Measuring Range	Order No.	Regular Price	SALE
0-6"/150mm	PC20EDC6	126.52	78.68
0-8"/200mm	PC20EDC8	140.03	86.41
0-12"/300mm	PC20EDC12	233.53	143.17

4572

PRO-CHECK LED 10X Optical Comparator

With 9 Reticles

- LED lighted scale magnifier with 9 reticles
- 7 Ultra bright LEDs
- Distortion free with 10X high resolution
- View area: 1-1/4"
- Recticle diameter: 34mm
- Includes fitted case
- 1 Year Warranty



Order No.	Regular Price	SALE
PC22L10XLED9PCS	246.33	149.35

4661

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
- 1 Year Warranty



Order No.	Regular Price	SALE
PC22L10XLED	162.69	129.62

4664

Fowler 5 Pc. Technical Measuring Set

Set consists of 1 of each:

- 6" Divider
- 6" Inside caliper
- 6" Outside caliper
- 6" Inch/metric pocket rule
- 5" Vernier caliper



Order No.	Regular Price	SALE
NE60TMS001	19.64	13.72

4393

PRO-CHECK Magnetic Base with Stage Adaptor

- Universal magnetic base
- Stage adaptor
- Swivel range: 210°
- Protective case included
- 1 Year Warranty



Order No.	Regular Price	SALE
PC21UMB1	52.96	32.34

4689

PRO-CHECK Magnetic Indicator Holders

- Rugged magnetic holder for indicators
- Assures fast accurate work in facing, boring, turning, etc.
- NL80TMB2 shown
- Indicator NOT included



Description	Order No.	Regular Price	SALE
Universal with Ball Socket & Fine Adjustment	NL80TMB1	36.33	22.07
Universal Base Only	NL80TMB2	33.11	19.90

4694

PRO-CHECK Caliper Anvil Attachment

- Converts micrometer anvil attachments for use on 4", 6" or 8" calipers



Order No.	Regular Price	SALE
NB75Z9050	43.36	27.11

4707

PRO-CHECK Micrometer Stand

- Provides a desirable measuring position and angle for inside and outside micrometers and many other instruments



Order No.	Regular Price	SALE
NB64247000	44.34	35.41

4713

PRO-CHECK Quadruple V-Blocks

- Made from seasoned closed grained cast iron
- Universal V-block consisting of four different sized grooves
- Supplied in pairs



Overall Width	Overall Height	Overall Length	Capacity	Order No.	Regular Price	SALE
1 3/8"	3 3/4"	2 3/4"	3/4", 1 3/16", 1 9/16", 2"	NG54QVB1	95.55	57.38
1 3/16"	4"	4"	3/4", 1 3/16", 1 9/16", 2"	NG54QVB2	105.22	73.67
1 3/8"	4 3/4"	4 3/4"	1 3/16", 1 9/16", 2", 3 3/8"	NG54QVB3	146.45	102.48
2 3/8"	4 3/4"	4 3/4"	1 3/16", 1 9/16", 2", 2 3/8"	NG54QVB4	241.22	168.85

4771

PRO-CHECK Quill Clamp & Indicator Set

- Heavy-duty quill clamp with CNC machined body
- Red anodized finish
- Test indicator with .030" range and .0005" graduations
- 5/32" and 3/8" diameter posts with dovetail clamp
- Protective padded case
- 1 Year Warranty



Order No.	Regular Price	SALE
PC21Q35K	184.44	148.48

4773

PRO-CHECK Premium Quill Clamp Indicator Holder

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



Order No.	Regular Price	SALE
PC21QC1	97.51	77.86

4775

PRO-CHECK Round Bar Center Finder

- Accurately and quickly locates center on round workpiece
- For execution, place the tool in drill chuck or collet and line up pointer with the line scribed on the shaft
- 3/8" Shank diameter
- 4-1/8" Overall length



Order No.	Regular Price	SALE
NE60RBCF38	15.33	9.94

4790

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	14.88	9.08

4792

PRO-CHECK Small Hole Gage Set**1/8"-1/2" Range**

- Range: .125 - .500"
- Knurled knob for size adjustment
- Gaging surface fully hardened for long life
- Extra long for gaging deep & shallow holes
- Hole size obtained by measuring over contact points with micrometer
- Case included



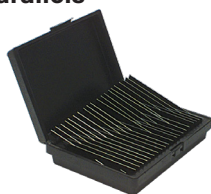
Order No.	Regular Price	SALE
NN40290200	40.00	25.67

4802

MEASURING TOOLS

PR+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	131.10	116.09

4849

PR+CHECK Screw Pitch Gages



Number of Leaves	Pitch Range	Order No.	Regular Price	SALE
30	4"-40"	NE60SP30	7.83	6.28
51	4"-84"	NE60SP51	22.95	15.81

4796

PR+CHECK PREMIUM Stainless Steel Dial Calipers

- Covered rack for longer caliper life, keeps chips out
- Measuring face hardened stainless, ground and lapped
- Satin-chrome finish
- Complete with fitted case
- Certificate of Inspection included
- 1 Year Warranty



Measuring Range	Graduation	Order No.	Regular Price	SALE
0-6"	0.001"	PC21CDC6	115.98	72.24
0-6"	0.001"	PC21CDC6B	115.98	72.24
0-6"	0.001"	PC21CDC6CJ	210.62	131.50
0-6"	0.001"	PC21CDC6EM	123.07	81.19
0-150 mm	0.02 mm	PC21CDC6M1	123.07	81.19
0-6"/0-150mm	0.001" / 0.02 mm	PC21CDC6M2	163.32	106.99
0-8"	0.001"	PC21CDC8	116.77	76.04
0-12"	0.001"	PC21CDC12	169.09	110.86

†PC21CDC6EM Metric on scale only

4812

PR+CHECK Universal Magnetic Base

- 132 Lbs. of magnet pull
- Unique 3 dimensional central locking mechanism is used to easily set up gages into required position
- Includes fine adjustment feature
- Will accept all dovetail and AGD stem indicators

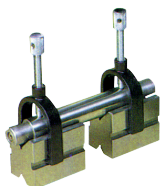


Order No.	Regular Price	SALE
NL80TMBUM	118.58	71.19

4867

PR+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



Overall Width	Overall Height	Overall Length	Order No.	Regular Price	SALE
1 5/8"	1 3/4"	2 3/4"	NG52NVB150	66.91	41.22

4872

PR+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" bushing and 5/32" Dovetail stem
- Supplied in convenient case with slot for test indicator
- 1 Year Warranty



Order No.	Regular Price	SALE
PC21TIAKT1	98.63	78.76

4829

PR+CHECK Universal Test Indicator Dovetail Stem

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



Order No.	Regular Price	SALE
PC21DTS532	37.98	22.93

4869

Starrett Angle Meter-AM2

- Sturdy high-impact plastic
- Scale readings from 0° to 90° in any quadrant
- Measures any angle for pitch or slope
- Pitch/angle calculator finds rise, run, angle, pitch on 12" or rafter lumber lengths



Order No.	Regular Price	SALE
MV8036080	42.59	31.74

4981

Starrett Machinist Levels

- Main vials are ground and graduated and adjustable to a positive setting
- V-groove running the length of the level base
- Cross test vial (except 4" model)
- Main level vials have graduations that are approximately 80-90 seconds or .005"/foot(0.42mm/meter)



Without Certification				
Model No	Length	Order No.	Regular Price	SALE
98-4	4"	MV7050440	222.60	175.95
98-6	6"	MV7050441	268.80	212.50
98-8	8"	MV7050442	330.40	260.95
98-18	18"	MV7050445	768.60	606.90
98Z-18	18"	MV7050446	978.60	772.65

Model No	Length	Order No.	Regular Price	SALE
98-12W/SLC	12"	MV7066934	562.80	470.70
98-6W/SLC	6"	MV7066935	334.60	279.90

Furnished without a case unless otherwise ordered packed one in a box.

5078

Starrett Magnetic Base

660 Global Series

- Magnetic base indicator holder with triple-jointed arm
- Small, powerful magnetic base, with 70 lbs. holding force
- Three adjustable pivots controlled by a single knob for fast, easy indicator positioning



Order No.	Regular Price	SALE
MV7068621	243.60	192.12

5079

Starrett® Tubular Inside Micrometers

- 3/8" Diameter rods
- Interchangeable anvils
- Hardened and ground anvils
- Handle
- Complete with carrying case
- .001" Graduation



Measuring Range	Accuracy	Graduation	Order No.	Regular Price	SALE
1-1/2"-8"	0.0001"	0.001"	MV7053050	648.20	555.44
1-1/2"-12"	0.0001"	0.001"	MV7053052	778.40	666.25
4"-24"	0.0001"	0.001"	MV7053054	1008.00	861.48
4"-32"	0.0001"	0.001"	MV7053055	1,117.20	954.78
4"-40"	0.0001"	0.001"	MV7053056	1,215.20	1,038.02

4961

Starrett® 567 Series Telescoping Gage Sets

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



Number of Pieces	Minimum Measurement	Maximum Measurement	Order No.	Regular Price	SALE
4	5/16" / 8.0 mm	2 1/8" / 54.0 mm	MV7052616	274.40	237.11
6	5/16" / 8.0 mm	6" / 150.0 mm	MV7052617	467.60	402.67

5150

Starrett® Magnetic Bases**657 Series****Fixed Post Indicator Holder Features:**

- Large 1-15/16 x 1-5/8 x 1-7/8" base
- 3 Precision ground magnetic contact surfaces
- V-Step holds base to arbors, shafts & chucks
- Push button on/off switch

Flex-O-Post Indicator Holder

- All features above plus flex arm for difficult positioning



Model No	Order No.	Regular Price	SALE
657AA	MV7052743	392.00	309.16
657T	MV7052760	530.60	437.22

5083

Starrett® Measure Stix™ Steel Measuring Tapes**Adhesive Backing**

- Mount on work benches, saw tables, drafting tables, etc.



Blade Width	Blade Length	Order No.	Regular Price	SALE
1/2"	4'	MV8063168	17.83	10.08
1/2"	4'	MV8063171	19.02	10.75
1/2"	12'	MV8063170	26.33	14.80
3/4"	6'	MV8063169	21.92	12.36

5086

GENERAL 5 Pc. Center Punch Set

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



Order No.	Regular Price	SALE
NE50SPC74	32.94	26.12

6647

Starrett® 5 Pc. Wiggler Set**5828HZ Model**

- Furnished with offset indicator holder and new chuck design to hold all attachments
- Four attachments adapt the tool to countless applications and are snapped in chuck without removing collet nut
- Using offset indicator holder D, the mechanic can sweep holes or OD's for checking run-out or concentricity, establish center distances, check straightness or alignment of flat surfaces
- With point A, working centers can be accurately located



Order No.	Regular Price	SALE
MV7053064	128.80	114.34

5164

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	95.20	82.77

7785

BAUSCH+LOMB Pre-Moistened Lens**Cleaning Tissues**

- Non-silicone based, anti-fog, anti-static, individually packaged tissues treated with special surfactants clean all glass and plastic lenses
- 100 Tissues per box



Order No.	Regular Price	SALE
KA408574GM	23.95	22.47

22761

Starrett® Plain Tap Wrenches

- For holding taps, drills, reamers and small tools to be turned by hand
- Body is centered for use on lathe centers or drilling machines to start tap straight
- Jaws heat treated to withstand hard use
- All wrenches have sliding handle
- Bodies are longer on 2nd one listed for each size which permits work at depths which cannot be reached with shorter wrenches



Size	Right Hand Thread Length	Order No.	Regular Price	SALE
1/16" to 3/16"	2"	MV7050427	74.20	62.10
1/16" to 3/16"	6"	MV7050430	112.00	88.40
7/32" to 7/16"	2-1/2"	MV7050428	79.80	67.50
7/32" to 7/16"	10"	MV7050431	141.40	112.20
1/4" to 1/2"	3-1/2"	MV7050429	102.20	85.50
1/4" to 1/2"	13"	MV7050432	155.40	123.25

25071

PRO-CHECK Illuminated Magnifier

- Handy magnifier with 5X and 10X power lens and light



Order No.	Regular Price	SALE
PC223061	15.30	10.25

29744

MEASURING TOOLS

PROCHECK Economy Depth Micrometers

- Precision ground base
- Satin-chrome finish
- Ratchet thimble
- Fitted case and adjusting wrench
- .001" Graduation
- Bottom change rod



Measuring Range	Base Length	Order No.	Regular Price	SALE
0-4"	2 1/2"	NB60DM042	151.00	119.26
0-6"	4"	NB60DM064	141.76	111.97

28699

Fowler XTRA-VALUE Plus Electronic Caliper

Features:

- Range: 0 - 12"/0 - 150mm
- Accuracy: $\pm 0.0015"/0.02\text{mm}$
- Resolution: $0.0005"/0.01\text{mm}$
- Inch/Metric/Fraction reading: $0.0005"/0.01\text{mm}/1/128"$
- Dust, water and oil resistant to IP54 standards making it great for shop environments
- Heavy Duty frame for extra rigidity and wear
- Super large, easy to read 14 x 52mm display
- Combined thumbrest and thumbroll for fine adjustment



Order No.	Regular Price	SALE
NA55541030120	224.39	201.95

29364

PROCHECK Z-Axis Setter with Magnetic Base

- Establish "0" reference point with built in indicator
- Positioning accuracy and repeatability $.0004"/0.01\text{mm}$
- 1.45"/37mm Square



Order No.	Regular Price	SALE
PC21ZAS4CNCM	380.86	230.81

29758

FLUKE T6-1000 Electrical Tester

The Fluke T6-1000 Electrical Tester with FieldSense™ technology lets you quickly, safely take True rms voltage and current measurements without test leads.

- Measure voltage with or without test leads
- Be safer: measure voltage to 1000V through the open fork, without test leads
- Be faster: no need to open covers or remove wire nuts - simultaneously measure voltage and current
- Be everywhere: widest open fork in the industry, measure 4/0 wires up to 200 A

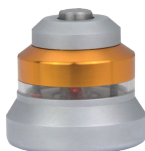


Order No.	Regular Price	SALE
FL0713155	576.79	515.58

29896

PROCHECK Electronic Z Indicator

- Axial Preset Gage
- Red lamp with light up when touched
- Use vertical or horizontally
- 13.5mm Magnet Base diameter
- .56mm Probe Face diameter



Order No.	Regular Price	SALE
PC20EZAP2M	478.13	291.51

30243

PROCHECK PREMIUM Procheck AGD Dial Indicators - Certified

- Flat Back, 1/4" Lug Back and fitted case
- Adjustable Limit Pointers for easy Go / No-Go reading
- Revolution Counter
- Certificate of Inspection Included, Standard ASME B89.1.10M-2001
- 1 Year Warranty



Type	Indicator Style	Total Range	Dial Color	Dial Size	Graduation	Description	Order No.	Regular Price	SALE
Dial Indicator	AGD 2	1/2"	Black	2-1/4"	0.001"	Certified	PC21DI2121BC	71.31	42.60
Dial Indicator	AGD 2	1"	Black	2-1/4"	0.001"	Certified	PC21DI2011BC	71.31	42.60
Dial Indicator	AGD 2	1"	White	2-1/4"	0.001"	Certified	PC21DI2011WC	71.31	42.60
Dial Indicator	AGD 2	1"	White	2-1/4"	0.0005"	Certified	PC21DI2015WC	79.56	47.51
Dial Indicator	AGD 2	2"	Black	2-1/4"	0.001"	Certified	PC21DI2021BC	146.36	87.41
Dial Indicator	AGD 2	2"	White	2-1/4"	0.001"	Certified	PC21DI2021WC	146.36	87.41
Dial Indicator	AGD 2	1/2"	White	2-1/4"	0.001"	Certified	PC21DI2121WC	71.31	42.60

30766

PROCHECK PREMIUM Procheck Electronic Indicators - Certified

- Flat Back, 1/4" Lug Back and fitted case
- Super large LCD display for easy reading
- Certificate of Inspection Included, Standard ASME B89.1.10M-2001
- 1 Year Warranty



Total Range	Resolution	Description	Order No.	Regular Price	SALE
1"	0.0005"	Certified	PC20EI0112505C	142.20	86.36
1/2"	0.0005"	Certified	PC20EI0512505C	140.73	85.07

30767

PROCHECK PREMIUM Procheck Dial Indicators - Certified

- Flat Back, 1/4" Lug Back and fitted case
- Adjustable Limit Pointers for easy Go / No-Go reading
- Revolution Counter
- Certificate of Inspection Included, Standard ASME B89.1.10M-2001
- 1 Year Warranty



Indicator Style	Total Range	Dial Color	Dial Reading	Dial Size	Graduation	Description	Order No.	Regular Price	SALE
AGD 2	5 mm	White	-	58 mm	0.01 mm	Certified	PC21DI5805MM1C	99.55	61.85
AGD 2	10 mm	White	0-100	2-1/4"	0.01 mm	Certified	PC21DI210MM1C	99.55	61.85
AGD 2	25 mm	White	0-100	2-1/4"	0.01 mm	Certified	PC21DI225MM1C	157.52	96.68

30768

PROCHECK Refractometers

- Lightweight aluminum construction
- Ergonomic, comfortable & easy operation
- Anti-slip, rugged body with durable & hygienic grip
- Translucent viewing colored background
- Hard plastic portable carrying case with sampler included
- Comfortable eyepiece for easy viewing
- Available in 0-10 & 0-32 Brix scale
- Lifetime warranty against manufacturer defects
- Features auto temperature compensation (ATC) for shops with varying temperatures



Brix Scale	Order No.	Regular Price	SALE
0-10%	NZ6040000	126.18	75.23

8522

MATERIAL HANDLING

Prices effective **July 1** through **September 30 2025**

HMD Medium Duty Acetylene Outfit

- Includes one-piece encapsulated seats for longer service life, and a 7 year warranty
- Features twin-tube, silver-brazed connections for safety and durability when welding, brazing, cutting or heating with acetylene
- Brazed triangular stainless steel tubes makes it light in weight while providing exceptional strenght and rigidity



Includes	ManufacturerNo	Order No.	Regular Price	SALE
Goggles, Striker, 20' x 1/4" Hose, Insulated Tool Bag	4400366	HR7010120	631.61	505.29

2665

Alloy 5356 (MIG)

- Very good all purpose wire
- Most widely used of all aluminum fillers metals
- Sold by the pound per spool



Wire Size	Container Size	ManufacturerNo	Order No.	Regular Price	SALE
0.0300"	1 lbs.	05356E1	HR7120430	32.59	27.42
0.0350"	1 lbs.	05356F1	HR7120440	23.30	17.44
0.0350"	16 lbs.	05356F6	HR7120450	20.87	17.43
3/64"	1 lbs.	535621	HR7120460	22.44	18.70
3/64"	16 lbs.	535627	HR7120470	19.50	16.19

2659

Price Per Pound

7018 Mild Steel Electrodes

- Sold by the pound
- High deposition electrode for low and medium carbon steels
- It is an efficient iron powder, low hydrogen electrode with excellent mechanical properties, crack resistance, and X-ray quality welds
- This electrode offers a quiet, stable low penetration spatter-free arc



Diameter	Length	Container Type	ManufacturerNo	Order No.	Regular Price	SALE
3/32"	14"	5 Lb Package	7018505	HR7120240	7.27	6.53
1/8"	14"	5 Lb Package	7018605	HR7120250	6.99	6.27
5/32"	12"	5 Lb Package	7018705	HR7120260	6.99	6.27
3/32"	12"	10 Lb Package	70185010	HR7120270	6.99	6.27

2656

Vertil Drum Bung Nut Wrenches

- Open and close drum bungs or plugs for optimal results
- Multi-purpose features are ideal for maximum efficiency
- Unit is universal meaning it fits all types of drum plugs and bungs
- Durable wrenches will eliminate the need for extra tools



Material	Style	Order No.	Regular Price	SALE
Cast Aluminum	Non-Sparking	RV54BNWA	24.49	21.00
Cast Steel	Standard	RV54BNWIXW	46.12	39.00

†Available while supplies last

5564

Economy Shelf Bins for 12", 18" & 24" Deep Shelving or Automated Storage & Retrieval Units

- Molded of durable industrial grade polymers years of service
- Special built-in hanglock allows easy access to the entire bin
- Wide label holder molded in
- Available in: (B) blue, (R) red, (S) stone, (Y) yellow - specify bin color when ordering
- Purolator dimensional weight shipping rates apply

Optional Shelf Bin DividersSold in package quantity of 24 only

								Yellow			Red			Blue		
Outside Length	Outside Width	Outside Height	Inside Length	Inside Width	Inside Height	Standard Pack	Use Dividers	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
11 5/8"	2 3/4"	4"	10 1/4"	1 5/8"	4"	24	-	SD5030110Y	5.59	2.87	SD5030110R	5.59	2.87	SD5030110B	5.59	2.87
11 5/8"	4 1/8"	4"	10 1/4"	3"	4"	24	SD50-40120	SD5030120Y	6.34	3.08	SD5030120R	6.34	3.08	SD5030120B	6.34	3.08
11 5/8"	6 5/8"	4"	10 1/4"	5 1/2"	4"	12	SD50-40130	SD5030130Y	9.70	5.17	SD5030130R	9.70	5.17	SD5030130B	9.70	5.17
17 7/8"	6 5/8"	4"	16 1/2"	5 1/2"	4"	12	SD50-40130	SD5030138Y	12.08	6.22	SD5030138R	12.08	6.22	SD5030138B	12.08	6.22
17 7/8"	8 3/8"	4"	16 1/2"	7 1/8"	4"	12	SD50-40150	SD5030158Y	16.52	8.31	SD5030158R	16.52	8.31	SD5030158B	16.52	8.31

22707

301AR/CD Shielding Gas Kit

- Kit includes 10 feet of 3/16" ID approved hose with inert fittings
- Features the Harris time proven 301 flowgauge regulators to give precise control of the most common welding shield gases up to 60 SCFH



Fuel Type	Flow Capacity	Max Inlet PSIG	Outlet Connection	ManufacturerNo	Order No.	Regular Price	SALE
Ar + Mixes	60	3000	5/8-18 RH (F)	4400229	HR7010100	260.39	202.24

2651

KENNEDY Ultimate Organizer

- High impact polystyrene
- Color: black
- Two trays per package, 10 compartments per tray
- Tray size: 16"W x 11"D x 1-1/4"H



Order No.	Regular Price	SALE
RX5582223	96.54	91.39

5435

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
- Ships Purolator



Height	Order No.	Regular Price	SALE
18"-22"	RZ454000	246.40	175.52

5484

Vertil Drum Faucets

#VDFT:

- Handle padlock hole keep unwanted users out
- Unique design offers graduated dispensing speed
- Ring around bottom allows attachment of hose
- Hook in front of faucet holds pails and buckets

#JDFT:

- Spout ring allows easy attachment of hose
- Unique design offers graduated dispensing speed
- Faucet front hook conveniently hold pails and buckets
- Padlockable handle restricts access to unwanted individuals



Material	Order No.	Regular Price	SALE
Polyethylene	RV54VDFT	11.33	10.00

5568



MATERIAL HANDLING



6011 Mild Steel Electrodes

- Versatile, deep penetrating steel electrode with smooth, stable arc characteristics
- Used for the welding of mild steels, galvanized and some low alloy steels
- The coating produces a forceful, spray-type arc, resulting in deep, penetrating welds
- Sold by the pound



Diameter	Length	Container Type	ManufacturerNo	Order No.	Regular Price	SALE
3/32"	12"	5 Lb Package	6011505	HR7120100	7.27	5.82
3/32"	12"	10 Lb Package	60115010	HR7120130	6.99	5.59
1/8"	14"	5 Lb Package	6011605	HR7120110	6.99	5.59
1/8"	14"	10 Lb Package	60116010	HR7120140	6.37	5.10
5/32"	12"	5 Lb Package	6011705	HR7120120	6.99	5.59
5/32"	14"	10 Lb Package	60117010	HR7120150	6.37	5.10

2652



CNC Tool Cart

- Constructed of prime 12 gauge steel for rugged heavy duty use
- New outrigger design for improved stability, easier maneuverability for a safe, smooth tool ride
- Heavy duty, extra smooth rolling casters load rated to 1600 lbs for long caster life, with locking caster mechanism
- Cart size 45-1/4 x 17-1/2 x 40"
- Ships by truck



Taper Size	Tool Capacity	Weight	Order No.	Regular Price	SALE
40	90	132 lbs	AP5323940	1,216.01	1000.00
50	52	132 lbs	AP5323950	1,216.01	1,061.43
HSK 63A	52	132 lbs	AP5323970	1,418.07	1100.00
HSK 100A	52	132 lbs	AP5323980	1,418.07	1100.00

5383

PRM PRO 20" All Purpose Tool Bag

- Made from heavy duty water repellent polyester
- For easy storage of welding helmet, welding jacket, tools and gloves
- Closed top with zip
- Includes padded handle and detachable shoulder strap



Length	Width	Height	Order No.	Regular Price	SALE
20"	11"	13"	LC700001	68.26	51.81

5461



355-2 Compensated Shielding Gas Kit

- Designed to control argon and/or argon CO₂ mix shielding gases
- Supplied with a 3/16" x 10' approved inert gas hose

Fuel Type	Flow Capacity	Max Inlet PSIG	Outlet Connection	ManufacturerNo	Order No.	Regular Price	SALE
Ar + Mixes	60	3,000	5/8-18 RH (F)	4400235	HR7010110	356.85	277.17

2662



6013 Mild Steel Electrodes

- General purpose electrode for mild steel which produces a smooth, quiet, medium penetrating arc that is readily maintained with minimal spatter loss
- This quick freezing slag gives optimum performance in vertical down welding
- Ideally suited for general purpose welding, even with small AC power sources having low open-circuit voltage
- Sold by the pound



Diameter	Container Type	ManufacturerNo	Order No.	Regular Price	SALE
5/32"	5 Lb Package	6013705	HR7120170	6.99	5.59
3/32"	10 Lb Package	60135010	HR7120180	6.99	5.59
1/8"	10 Lb Package	60136010	HR7120190	6.37	5.10

2653

PRM PRO Mechanics Shop Stool Seat

- 14" Seat adjusts from 15-3/4" to 20"
- Cushion seat swivels 360°
- 2-1/2" diameter nonmarring nylon casters
- 300 lb maximum seat capacity
- Limited lifetime warranty
- Ships Purolator



5480

Order No.	Regular Price	SALE
RZ453000	103.60	63.84

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
- Ships Purolator



5481

Height	Order No.	Regular Price	SALE
29"	RZ456000	98.00	60.39

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	Width	Height	Order No.	Regular Price	SALE
18"	9"	11"	LC707697	53.35	42.60
24"	9"	12"	LC707699	59.47	47.49

5482



WORKHOLDING

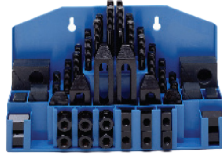
Prices effective **July 1** through **September 30 2025**

TECO 52 Pc. Machinist Clamping Set

For 5/8" Table Slot with 1/2" -13 T-Nuts & Studs

Set Contains:

- 4 Coupling nuts
- 6 Flange nuts
- 6 T-slot nuts
- 24 Studs, 4 each: 3, 4, 5, 6, 7 & 8" long
- 6 Step blocks
- 6 Serrated end clamps
- 1 All plastic holder



Order No.	Regular Price	SALE
SG6012625CKUS	238.00	190.05

25209



Forged Adjustable Clamps

- Standard brass heel plate protects the machine table
- Material: 1137 Forged Steel, heat Treated
- Finish: Black Oxide
- One Piece Construction
- Compensates for clamping height changes within their clamping ranges
- Versatile Clamping Height The swivel bushing is permanently mounted in the clamp which alleviates lost or missing parts



Bolt Size	Clamping Range	Clamp Width	Clamp Thickness	Heel to Center	Maximum Torque	Clamping Force	Order No.	Regular Price	SALE
1/2"	0-2"	1 3/4"	1 1/2"	2 1/2"	90 ft/lbs	6,800 lbs	SG6619101	78.74	66.93
5/8"	0-2 3/8"	2"	1 5/8"	3"	180 ft/lbs	10,600 lbs	SG6619102	98.14	83.42
3/4"	0-2 3/4"	2 1/2"	1 3/4"	3 3/4"	300 ft/lbs	16,000 lbs	SG6619103	148.96	126.62
7/8"	0-3 1/2"	3"	2 3/8"	4 1/4"	500 ft/lbs	21,800 lbs	SG6619104	220.63	187.54

1256



DX Series Crossover™ Vises

- Hardened vise bed/jaw plates
- Semi-hard steel screw
- 80,000 psi ductile iron body, nut and movable jaw
- Accepts sine keys for alignment (not included)
- Chip evacuation straight through the body
- Screw support held in place with snap rings
- GrooveLock® jaw plate and workstop included
- New brush seal design makes it easier to replace
- Includes chip guard
- Bolts & locates on 40mm, 50mm and 2" grid patterns
- Powder coat paint is long lasting and durable
- Lifetime Iron Clad Warranty
- DX Crossover™ vises are a combination of AngLock®, Pull-Type and 4 bolt stationary jaw design.



Model No	Jaw Width	Jaw Opening Capacity	Base Length	Base Width	Base Height	Weight	Order No.	Regular Price	SALE
DX4	4"	6.5"	12.5"	4.962"	2.250"	30 lbs	HT80DX4	1,061.20	902.02

1296

KANTWIST Standard "T" Handle Style Clamps

- Multi-purpose clamp that combines the best features of an ordinary "C" clamp and parallel clamps
- Free floating jaws adjusts to unparallel surfaces
- Copper plated jaws and screws are ideal for welding
- Built in "V" blocks is perfect for holding round stock
- Cantilever action provides 4:1 ratio



Maximum Opening Capacity	Open Throat Depth	Closed Throat Depth	Load Capacity	Order No.	Regular Price	SALE
1"	3/8"	1/2"	350 lbs	SE64401	32.54	25.10
2"	1 1/8"	1 1/4"	800 lbs	SE64405	45.30	34.03
3"	1 1/4"	1 3/4"	1500 lbs	SE64410	74.18	56.08
9"	3 3/8"	5 1/4"	2500 lbs	SE64430	197.22	147.95
12"	12"	7"	6000 lbs	SE64440	344.46	258.98

23592



Pocket Tools & Retrievers - Flexible/Bendable Shaft



915RM



921

BrandName	Diameter	Holding Capacity	Length	Description	Order No.	Price	SALE
Proto	1"	-	13 1/2"	Spring loaded plunger actuates jaws at the end of flexible casing.	KP4270295	31.78	23.84
Proto	1"	-	23 1/2"	Spring loaded plunger actuates jaws at the end of flexible casing.	KP4270300	36.48	27.36
General	1/4"	2 lbs	32"	Flex-O-Stiff magnetic pick-up tool designed with flexible retriever arm.	NE50384N	22.08	16.56
Mag-Mate	3/8"	3 lbs	18"	Flexible dual purpose, bend shaft to permanent position or remove wire to snake into position	NE70928S	47.95	35.96
Mag-Mate	1/2"	8 lbs	21"	Flexible retriever with fixed head and nonslip solvent-resistant comfort grip	NE70921	32.70	24.53

1374

RAPIDHOLD® Low Profile Drill Press Vises

- Designed for drilling, tapping and reaming operations
- Base has four 1/2" shoulder slots for quick, easy positioning on drill press tables
- Moveable jaw is flat and the fixed jaw has a vertical and horizontal v-groove cut
- Replaceable jaws

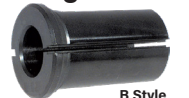


Jaw Width	Jaw Opening Capacity	Jaw Height	Weight	Order No.	Regular Price	SALE
3"	3"	1 1/8"	10 lbs	HT968461	74.10	46.04
4"	4"	1 1/2"	15 lbs	HT968462	101.32	62.95
6"	6"	2"	34 lbs	HT968464	230.57	143.17

1550

RAPIDHOLD® Toolholder CNC Bushings

- **B Style Tool Holder Bushing:** Split style, shorter length, clamp on flat; bushing collapses to hold tool
- Clearance holes to clamp directly on the tool
- Used to adapt drills, boring bars, and other tools



B Style

Shank Size (SS)	Holding Diameter	Order No.	Price	SALE
1"	1/2"	RH2180115	67.48	43.88
1"	5/8"	RH2180116	67.48	43.88
1"	3/4"	RH2180117	67.48	43.88
1-1/4"	3/8"	RH2180118	67.48	43.88
1-1/4"	1/2"	RH2180119	67.48	43.88
1-1/4"	5/8"	RH2180120	67.48	43.88
1-1/4"	3/4"	RH2180121	67.48	43.88
1-1/4"	7/8"	RH2180122	67.48	43.88
1-1/4"	1"	RH2180123	67.48	43.88
1-1/2"	3/8"	RH2180124	74.97	48.68
1-1/2"	1/2"	RH2180125	74.97	48.68
1-1/2"	5/8"	RH2180126	74.97	48.68
1-1/2"	3/4"	RH2180127	74.97	48.68
1-1/2"	1"	RH2180129	74.97	48.68
1-1/2"	7/8"	RH2180128	74.97	48.68
1-1/2"	1-1/4"	RH2180130	74.97	48.68
1-3/4"	1/2"	RH2180131	78.74	51.20
1-3/4"	5/8"	RH2180132	78.74	51.20
1-3/4"	3/4"	RH2180133	78.74	51.20
1-3/4"	7/8"	RH2180134	78.74	51.20
1-3/4"	1"	RH2180135	78.74	51.20
1-3/4"	1-1/4"	RH2180136	78.74	51.20
1-3/4"	1-1/2"	RH2180137	78.74	51.20
2"	1/2"	RH2180138	93.73	60.91
2"	5/8"	RH2180139	93.73	60.91
2"	3/4"	RH2180140	93.73	60.91
2"	7/8"	RH2180141	93.73	60.91
2"	1"	RH2180142	93.73	60.91
2"	1-1/4"	RH2180143	93.73	60.91
2"	1-1/2"	RH2180144	93.73	60.91
2"	1-3/4"	RH2180145	93.73	60.91
2-1/2"	1/2"	RH2180146	112.48	73.13
2-1/2"	5/8"	RH2180147	112.48	73.13
2-1/2"	3/4"	RH2180148	112.48	73.13
2-1/2"	7/8"	RH2180149	112.48	73.13
2-1/2"	1"	RH2180150	112.48	73.13
2-1/2"	1-1/4"	RH2180151	112.48	73.13
2-1/2"	1-1/2"	RH2180152	112.48	73.13
2-1/2"	1-3/4"	RH2180153	112.48	73.13
2-1/2"	2"	RH2180154	112.48	73.13
2-1/2"	2-1/4"	RH2180155	112.48	73.13

1571

EXXO 4 Pc. Demolition Set

- 4 Pc. set consists of 12" and 18" plastic handle pry bars, 15" utility flat bar and 24" wrecking bar.
- Versatile set for industrial, automotive, workshop and construction.



Order No.	Regular Price	SALE
HY50P064	45.06	36.06

6619

WORKHOLDING

KLEIN TOOLS Wireless Jobsite Speaker

- Connects wirelessly via Bluetooth or a wired auxiliary input
- 32.8-foot (10 m) connectivity range (in open space)
- 10-Hour battery life
- Drop protected up to 6.6-foot (2 m)
- Powerful rear magnet holds speaker to metal surfaces (panels, ducts, etc.)
- 1/4-20 threaded mount on bottom allows attachment to any standard tripod
- Rated IP45 water/dust resistant
- Able to answer calls hands-free with the built-in speakerphone
- Includes 1/8-Inch (3.5 mm) stereo auxiliary cable and micro USB-to-standard USB charging cable



Type	Wattage	Color	Manufacturer No	Order No.	Regular Price	SALE
Wireless	5 W	Orange, Black, Gray	AEPJST	KP6040000	86.40	64.77

28842

TECO Step Blocks Steel

- Larger sizes have chamfered holes for ease of use
- Blocks work in conjunction with serrated end clamps
- Two halves = One Block



Overall Length	Clamp Width	Order No.	Regular Price	SALE
1-1/16"	1"	SG5040102	11.30	8.42
1-39/64"	1"	SG5040103	15.96	12.77
3-3/4"	1"	SG5040104	43.72	30.60
2-17/32"	1-1/2"	SG5040105	27.44	21.95
3-3/4"	1-1/2"	SG5040106	54.29	43.43
5-21/64"	1-1/2"	SG5040107	97.90	78.32
2-17/32"	2"	SG5040108	45.54	36.43
3-3/4"	2"	SG5040109	69.16	55.33

1795

TECHNIKS BT40 ER Style Collet Holders

- Balanced to 25,000 RPM at G2.5 tolerance
- They are individually lab tested for accuracy and balance and come with their individual performance report
- Techniks holders achieve 0.0001" or less T.I.R. as measured from the taper to the collet pocket



Connection Size (CSI)	Head Diameter	Protruding Length (LPR)	Order No.	Price	SALE
ER16	1.11"	70 mm	TE1216151	266.77	200.08
ER16	1.11"	100 mm	TE1216153	266.77	200.08
ER16	1.11"	125 mm	TE1216155	292.73	219.55
ER16	1.11"	150 mm	TE1216157	301.38	226.04
ER16	1.11"	180 mm	TE1216158	333.10	249.83
ER20	1.34"	70 mm	TE1216159	266.77	200.08
ER20	1.34"	100 mm	TE1216162	266.77	200.08
ER20	1.34"	135 mm	TE1216165	275.42	206.57
ER20	1.34"	150 mm	TE1216167	305.70	229.28
ER25	1.57"	70 mm	TE1216169	275.42	206.57
ER25	1.57"	100 mm	TE1216171	223.51	167.63
ER25	1.57"	150 mm	TE1216175	311.47	233.60
ER32	1.97"	70 mm	TE1216177	266.77	200.08
ER32	1.97"	100 mm	TE1216179	286.96	215.22
ER32	1.97"	150 mm	TE1216181	305.70	229.28
ER40	2.49"	80 mm	TE1216183	305.70	229.28
ER40	2.49"	100 mm	TE1216185	305.70	229.28
ER40	2.49"	150 mm	TE1216189	340.31	255.23

1809

MITEE-BITE PRODUCTS COMPANY ID Expansion™ Clamps

- Low profile
- Ideal for secondary operations on lathe parts
- Easily machined to size on lathe or mill
- Excellent for palletized setups
- Allows more parts per workcube or fixture plates
- Clamp body made of mild steel for machineability
- Tighten with hex key or hydraulic pull cylinders

The ID Xpansion™ Clamp is the ideal way to hold multiple parts on an inside diameter for machining on your VMC or HMC. These machineable clamps are produced in 10 sizes and can hold internal diameters from .160 to 4.050.

Model No	Overall Height	Flange Thickness	Minimum Diameter	Thread Size	Holding Force	Order No.	Regular Price	SALE
31000	0.420"	0.120"	0.160"	#2-56	250 lbs	SG7031000	61.95	52.66
31050	0.860"	0.230"	0.280"	#8-32	950 lbs	SG7031050	61.95	50.90
31100	0.980"	0.230"	0.480"	1/4"-20	1,900 lbs	SG7031100	61.95	52.66
31150	0.980"	0.230"	0.530"	5/16"-18	2,500 lbs	SG7031150	66.03	55.13
31200	1.130"	0.250"	0.710"	3/8"-16	4,500 lbs	SG7031200	85.76	72.90
31250	1.250"	0.250"	0.900"	1/2"-13	5,900 lbs	SG7031250	105.71	89.85
31300	1.560"	0.310"	1.150"	5/8"-11	10,000 lbs	SG7031300	135.48	115.16
31350	1.560"	0.310"	1.150"	5/8"-11	10,000 lbs	SG7031350	148.66	126.36
31400	1.790"	0.310"	1.150"	5/8"-11	10,000 lbs	SG7031400	256.11	235.62
31450	1.790"	0.310"	1.150"	5/8"-11	10,000 lbs	SG7031450	359.27	330.53

22364

TECHNIKS BT40 V-Flange End Mill Holders

- Precision machined to an Industry Leading H5 standard I.D. hole tolerance
- Balanced to 15,000 RPM to save spindle bearing life and the Taper is ground to AT3 standard for maximum spindle contact
- Each holder is lab certified with an individual report to ensure quality

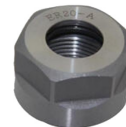


Connection Diameter Workpiece Side (DCONWS)	Nose Length	Protruding Length (LPR)	Order No.	Price	SALE
1/8"	0.68"	2.500"	TE121714018	190.34	148.47
1/4"	0.78"	2.500"	TE121714014	190.34	148.47
1/4"	0.78"	4"	TE1217140144	240.81	187.83
5/16"	0.88"	2.500"	TE1217140516	190.34	148.47
3/8"	1"	2.500"	TE121714038	190.34	148.47
7/16"	1.12"	2.500"	TE1217140716	190.34	148.47
1/2"	1.25"	2.500"	TE121714012	190.34	148.47
1/2"	1.25"	2.500"	TE121714012F	328.78	256.45
1/2"	1.25"	4"	TE1217140124	240.81	187.83
5/8"	1.5"	2.500"	TE121714058	190.34	148.47
3/4"	1.75"	2.500"	TE121714034	190.34	148.47
1 1/4"	2.5"	3.560"	TE1217140114	256.68	200.21
1 1/2"	2.5"	3.560"	TE1217140112	256.68	192.51

1810

HOLDING M SYSTEMS ER Holder Clamping Nuts

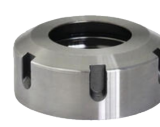
- List No. 1025



A Nut



Mini Nut



UM Nut

Collet Size	Style	Connection Thread Nominal Size Machine Side (THSZMS)	Diameter Lock Nut (DLN)	Lock Nut Height (HLN)	Order No.	Regular Price	SALE
ER11	A Nut	M14 x 0.75	19 mm	11.3 mm	MX1326623	16.01	15.20
ER16	A Nut	M22 x 1.5	28 mm	17.5 mm	MX1326624	16.01	15.20
ER20	A Nut	M25 x 1.5	34 mm	19 mm	MX1326625	17.39	16.50
ER8	Mini Nut	M10 x 0.75	12 mm	10 mm	MX1326626	26.65	25.30
ER11	Mini Nut	M13 x 0.75	16 mm	12 mm	MX1326627	16.01	15.20
ER20	Mini Nut	M24 x 1	28 mm	19 mm	MX1326629	17.39	16.50
ER32	UM Nut	M40 x 1.5	50 mm	22.5 mm	MX1326621	21.37	20.30
ER16	UM Nut	M22 x 1.5	32 mm	17 mm	MX1326618	16.01	9.61
ER20	UM Nut	M25 x 1.5	35 mm	19 mm	MX1326619	16.01	9.61
ER25	UM Nut	M32 x 1.5	42 mm	20 mm	MX1326620	18.64	17.70
ER40	UM Nut	M50 x 1.5	63 mm	25.5 mm	MX1326622	24.01	22.80

30119

RAPIDHOLD® Straight Shank ER Collet Holders

- Produced according to AT3 specifications
- Tools are made of a high quality alloy steel
- Collet seat taper T.I.R. greater than 0.0002"
- Through the spindle coolant capability
- Dynamically balanced to G6.5 @ 15,000 RPM
- Collet chucks supplied w/ depth set screws, balanced tools are supplied w/ QA certificate



Shank Size (SS) - 1"					
Connection Size (CSI)	Body Diameter (BD)	Body Length (LB)	Order No.	Regular Price	SALE
ER20	1.38"	1.42"	RH2226203R	109.66	65.82
ER25	1.66"	1.57"	RH2226204R	109.65	65.82
ER32	1.97"	2.03"	RH2226207R	109.66	65.82
ER40	2.49"	2.56"	RH2226208R	92.79	55.68
ER40	2.49"	2.56"	RH2226209R	109.65	65.82

22223

WORLD CLASS QUALITY All Steel Bench Vises with Swivel Base

- Unbreakable all steel body
- Permanent pipe jaws and anvil
- 360° Swivel base with locks

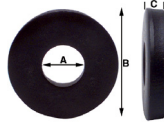


Jaw Width	Jaw Height	Jaw Opening Capacity	Weight	Order No.	Regular Price	SALE
4"	2 1/4"	4"	17.00 lbs	HZ60SV4	191.54	148.36
5"	2 5/8"	5"	24.00 lbs	HZ60SV5	268.42	207.92
6"	3"	6"	32.00 lbs	HZ60SV6	316.53	245.19

22717

Case Hardened Spacing Washers

- A thick flat washer used for spacing applications
- Low carbon steel
- Black oxide

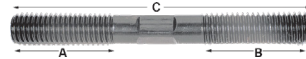


Bolt Size	Inside Diameter	Outside Diameter	Thickness	Order No.	Regular Price	SALE
1/4"	9/32"	25/32"	3/16"	NB80Z9200U	1.69	1.27
5/16"	11/32"	53/64"	3/16"	NB80Z9201U	2.74	2.06
3/8"	13/32"	11/16"	3/16"	NB80Z9202U	2.32	1.74
7/16"	15/32"	1 1/4"	3/16"	NB80Z9203U	3.70	2.78
1/2"	17/32"	1 3/16"	3/16"	NB80Z9204U	3.42	2.57
5/8"	21/32"	1 7/16"	3/16"	NB80Z9205U	3.74	2.81
3/4"	25/32"	1 11/16"	1/4"	NB80Z9206U	6.82	5.12
7/8"	29/32"	1 53/64"	1/4"	NB80Z9207U	12.98	9.74
1"	1 1/32"	2 1/16"	9/32"	NB80Z9208U	1914	14.36

996

TECO Equal Thread Length Driver Studs - Inch

- Tensile 125,000 PSI
- Yield 100,000 PSI
- Black Oxide finish
- Medium carbon steel



Thread Size	Thread Length A	Thread Length B	Overall Length	Order No.	Price	SALE
3/8"-16	3/4"	3/4"	2"	SG5040502	3.23	2.43
3/8"-16	1"	1"	2 1/2"	SG5040503	3.23	2.43
3/8"-16	1"	1"	3"	SG5040504	3.23	2.43
3/8"-16	1 1/4"	1 1/4"	3 1/2"	SG5040505	3.23	2.43
3/8"-16	1 1/4"	1 1/4"	4"	SG5040506	3.54	2.43
1/2"-13	3/4"	3/4"	2"	SG5040702	3.60	2.54
1/2"-13	1"	1"	2 1/2"	SG5040703	3.58	2.43
1/2"-13	1"	1"	3"	SG5040704	3.60	2.54
1/2"-13	1 1/2"	1 1/2"	4"	SG5040706	3.78	2.84
1/2"-13	1 1/2"	1 1/2"	5"	SG5040708	3.93	2.84
1/2"-13	1 1/2"	1 1/2"	6"	SG5040710	4.20	3.14
5/8"-11	1"	1"	3"	SG5040804	4.41	3.25
5/8"-11	1 1/4"	1 1/4"	3 1/2"	SG5040805	4.90	3.34
5/8"-11	1 5/8"	1 5/8"	4"	SG5040806	4.70	3.34
5/8"-11	1 3/4"	1 3/4"	4 1/2"	SG5040807	5.18	3.65
5/8"-11	1 3/4"	1 3/4"	5"	SG5040808	5.38	3.85
5/8"-11	1 3/4"	1 3/4"	5 1/2"	SG5040809	5.45	3.86
5/8"-11	1 3/4"	1 3/4"	6"	SG5040810	5.74	4.17
5/8"-11	1 3/4"	1 3/4"	6 1/2"	SG5040811	6.22	4.37
5/8"-11	1 3/4"	1 3/4"	7"	SG5040812	6.34	4.56
5/8"-11	1 3/4"	1 3/4"	7 1/2"	SG5040813	7.04	4.87
5/8"-11	1 3/4"	1 3/4"	8"	SG5040814	7.00	4.87
5/8"-11	1 3/4"	1 3/4"	9"	SG5040815	11.82	8.43
5/8"-11	1 3/4"	1 3/4"	10"	SG5040816	12.80	9.44
5/8"-11	1 3/4"	1 3/4"	12"	SG5040817	14.14	10.35
5/8"-11	1 3/4"	1 3/4"	14"	SG5040818	16.45	11.97
5/8"-11	1 3/4"	1 3/4"	16"	SG5040819	18.83	13.70
5/8"-11	1 3/4"	1 3/4"	18"	SG5040820	20.72	15.12

† Items Do Not Have Flats on Studs

25231

TECO Flange Nuts

- Designed to equalize thred loads
- Black oxide
- Case hardened
- 12L14 Material



Thread Size	Flange Diameter	Overall Height	Washer Thickness	Width Across Flats	Order No.	Regular Price	SALE
1/4"-20	5/8"	5/16"	3/32"	1/2"	SG5041601	4.16	2.94
5/16"-18	3/4"	3/8"	1/8"	9/16"	SG5041602	4.41	3.05
3/8"-16	7/8"	1/2"	1/8"	1 1/16"	SG5041603	4.58	3.24
7/16"-14	1"	9/16"	5/32"	3/4"	SG5041604	5.29	3.97
1/2"-13	1 1/8"	1 1/16"	3/16"	7/8"	SG5041605	5.29	3.66
5/8"-11	1 3/8"	1 3/16"	3/16"	1 1/16"	SG5041606	7.14	4.97
3/4"-10	1 5/8"	1"	1/4"	1 1/4"	SG5041607	9.90	6.90
7/8"-9	1 3/4"	1 1/8"	1/4"	1 7/16"	SG5041608	13.76	9.64
1"-8	2"	1 1/4"	1/4"	1 5/8"	SG5041609	15.96	11.16
1 1/4"-7	2 1/2"	1 1/4"	1/4"	1 13/16"	SG5041611	32.76	24.57

1766

KURT WORKHOLDING Parallel Keepers 6" & 8"

- Place your parallels in the vise against the jaws
- Take the Parallel Keeper, squeeze them together and place them inside the parallels
- Release the Parallel Keeper, they will push against the parallels, holding them against the hard jaws of the vise

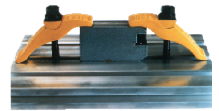


For Use With	Order No.	Regular Price	SALE
All 6" Vises	HT80KPS6000	133.00	106.40

23654

Rite Hite Self Positioning Hold Down Clamps

- Use on any machine with a T slot
- Instant adjustment up to 5"
- Assorted stud sizes 3/8" to 1"
- Swivel rocker attached to base



Thread Size	Length	Width	Thickness	Maximum Height	Clamp Force	Holding Capacity	Weight	Order No.	Regular Price	SALE
1"	11 1/8"	2 7/8"	3 5/16"	5"	-	65,000 lbs	12.00 lbs	SG751000L	179.45	142.66
1"	9"	2 7/8"	3 5/16"	3"	-	8,000 lbs	10.00 lbs	SG751001S	173.76	138.11
3/8"	3 1/2"	1 1/8"	1 3/32"	1 1/4"	-	10,000 lbs	0.50 lbs	SG75375L	42.66	33.93
3/8"	3"	1 1/8"	1 3/32"	1"	-	14,000 lbs	0.50 lbs	SG75376S	39.82	31.67
1/2"	5 3/4"	1 7/16"	1 13/32"	2 1/2"	-	12,800 lbs	1.40 lbs	SG75500L	58.82	46.71
1/2"	4 1/4"	1 3/8"	1 13/32"	1 3/4"	-	16,800 lbs	1.00 lbs	SG75501S	54.03	42.91
5/8"	6 3/4"	1 7/8"	1 11/2"	3 1/2"	-	18,000 lbs	2.50 lbs	SG75625L	71.10	56.54
5/8"	5 1/2"	1 7/8"	1 11/2"	2 3/4"	-	24,000 lbs	2.00 lbs	SG75626S	68.27	54.26
3/4"	9"	2 1/8"	2 3/8"	5"	-	24,000 lbs	4.75 lbs	SG75750L	99.68	79.20
3/4"	7"	2.00"	2 3/8"	3 1/2"	-	35,000 lbs	4.00 lbs	SG75751S	96.84	76.94

22786

SQ Series Regular Duty "L" Clamps

- Easy to use, just slide moveable arm into position and tighten screw spindle
- Instant clamping at any opening
- Save 90% of clamping time versus the ordinary "C" Clamp



Maximum Opening	Throat Depth	Clamping Pressure	Order No.	Regular Price	SALE
12"	4 3/4"	2,660 lbs	SG75SQ12	153.20	125.62
20"	4 3/4"	2,660 lbs	SG75SQ20	219.52	180.01
6"	4 3/4"	1330 lbs	SG75SQ4	74.20	60.84
8"	4 3/4"	2,660 lbs	SG75SQ8	130.44	106.96

22787

RAPIDHOLD 5C Collet Sets

- Made of High Grade Steel
- Hardened and Precision Ground
- Thread: Internal 1.041"-24, External 1.242"-20
- .0005" T.I.R

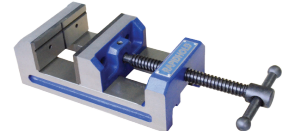


Diameter Range	Quantity	Number Included Stands	Opening Shape	Order No.	Regular Price	SALE
1/16" - 11/8"	18	1	Round	GP872308218	503.72	303.05
1/16" - 11/8"	35	1	Round	GP872308235	983.30	589.98
1/16" - 11/8"	69	1	Round	GP872308269	1,885.46	1,131.28

24553

RAPIDHOLD 4" & 6" Drill Press Vise

- Versatile vises machined on four sides
- May be used on base, either side or end
- Made of high grade gray iron and are precision ground
- Ground steel jaw plates are removable



Model No	Jaw Opening Capacity	Jaw Width	Jaw Depth	Weight	Order No.	Regular Price	SALE
7406	4"	4"	1 1/2"	9 lbs	HT967406	92.12	88.74
7407	6"	6"	2"	24 lbs	HT967407	231.83	226.63

1530

Safety Shield Chip Hook-R

- New safety orange shielded chip puller
- 5" Diameter shield
- 1" Diameter handle, 4-1/2" long
- 1/4" USA steel rod, 1-1/2" hook with 60° point standard



Hook Length	Order No.	Regular Price	SALE
18"	HF70SCH18	28.43	27.00
24"	HF70SCH24	33.56	31.50
30"	HF70SCH30	35.83	33.50

1157

PRM PRO Universal Socket Toolset

- Perfect universal tool bit & socket set for unlimited applications
- Bits and socket made from chrome vanadium S2 Steel - S2 steel is stronger and longer lasting
- Universal socket has 40 spring adapted pins that auto-forms around fastener head or nut, ranging from 7- to 19mm or 9/32 to 11/16 standard
- Universal socket great helper for irregular shaped fastener bolts and nuts.
- Bits include: Pozi-drive, Phillips, slotted, hex, torx-star style, hex, and square.
- Set includes: 15pcs bits: PZ2 PH2 PH3 SL5 SL6 H3 H4 H5 SQ1 SQ2 T10 T15 T20 T25 T30, CRV universal socket with 40cr pins (grip-range 7-19mm, 9/32-11/16), 2" extension & reversible Ratchet."



Order No.	Regular Price	SALE
TL0510018	28.77	21.58

30963

PROCHECK Tapered Bore Gages

- 1 to 15mm Range
- Handy gage for measuring cylindrical bores, bearing work and for gaging slots
- Made from matte finished stainless steel
- Clearly etched graduations for precise measurement



BrandName	Order No.	Regular Price	SALE
Procheck	NE60MGB0359	12.95	9.71

5186

KLEIN TOOLS Tradesman Pro™ Backpack

- 39 different-sized pockets for tools, parts and gear
- Reflective shoulder straps with extra padding and handle
- Tall interior pockets for long screwdrivers
- Upper pockets holds safety glasses, cell phones, etc
- Zipper pocket for small parts and tools
- Exterior tape thong and tape measure holder
- Fully-molded bottom protects from the elements



Number of Pockets	Width	Length	Height	Color	ManufacturerNo	Order No.	Regular Price	SALE
39	7"	14 1/2"	20"	Black, Reflective Gray, Green Accents	55597	KP6012785	281.49	211.12
39	7"	14 1/2"	20"	Camo	55421BP14CAMO	KP6012910	243.75	190.13

28930

KLEIN TOOLS Canvas Tool Buckets

- 5109SLR**
 - Load rated: 150-pounds (68 kg)
 - Web strap extends down the side of the bucket
 - Heavy duty plastic bottom with drain holes
- 5104S**
 - Load rated for 100-pounds (45.4 kg)
 - Web handle extends down the sides of the bucket for added strength
 - Made of heavy-duty No. 4 canvas
 - High-density polyethylene top ring for strength and chemical resistance
 - Leather reinforced bottom
 - Inside pocket measures 8-Inch x 8-Inch (203 x 203 mm)



KP6012865

- 5104FR**
 - Made of flame-resistant No. 4 canvas
 - Load rated for 100-pounds (45 kg)
 - Durable leather-reinforced handle extends down the sides of the bucket for added strength
 - Stitched and riveted with a double-reinforced bottom for durability
 - Meets the performance requirement of NFPA -701



KP6012850

- 5104CLRFR**
 - Made of flame-resistant No. 4 canvas
 - Extended canvas top zips closed for overhead lifting
 - Load rated for 100-pounds (45 kg)
 - Stitched and riveted with a double-reinforced bottom for durability
 - Drop-forged steel locking carabiner for added safety
 - Meets the performance requirement of NFPA -701



KP6012840

- 5104CLR22**
 - Load rated 150-pounds (68 kg)
 - Top of bucket zips closed
 - 14-inch (356 mm) diameter accommodates standard 5-gallon (18.93 L) bucket
 - Body constructed of heavy-duty No. 1 canvas
 - Web strap extends down the side of the bucket
 - Leather reinforced bottom extends 3-Inch (76 mm) up the side
 - Durable steel rim

Width	Length	Height	Color	ManufacturerNo	Order No.	Regular Price	SALE
12"	15"	15"	Natural	5109SLR	KP6012865	137.26	107.06
12"	17"	17"	Natural	5104S	KP6012855	208.39	162.54
12"	17"	17"	Black	5104FR	KP6012850	242.30	188.99
12"	17"	17"	Black	5104CLRFR	KP6012845	338.92	264.36
14"	22"	22"	Off-White	5104CLR22	KP6012840	311.70	243.13

28934

Prices Effective July 1 through September 30, 2025

Not all items exactly as pictured. Not responsible for typographical errors. We reserve the right to limit quantities. Items available while supplies last. Promotional pricing does not include tariffs