

eclipse

TOOL & SUPPLY

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We also accept:    

GUHRING • SANDVIK COROMANT • IMCO • MASTER FLUID • HARVEY TOOL • HELICAL • MICRO 100
KURT MFG • EMUGE • DATA FLUTE • 5TH AXIS • MITSUBISHI • STARRETT • NORTON • ROYAL • YG1 • SCHUNK
BROWN & SHARPE • ALLIED MACHINE & ENGINEERING • FULLERTON • OEMETA

PRICING AVAILABLE APRIL 1, 2024 THROUGH JUNE 30, 2024

FEATURING



**HIGH
PERFORMANCE
5-FLUTE END
MILLS**

**10
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**799A BASIC
ELECTRONIC
CALIPERS**

**46
PAGE**



**Z3 XL ZIRCONIA
TRIMMABLE FLAP
DISCS WITH
BUILT IN HUB**

**25
PAGE**



HOT BUYS

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	11.31	9.95	BC7061061	11.31	9.95
3/8"	1/4"	2"	BC7061081	12.84	11.95	BC7061086	12.84	11.95
1/2"	1/4"	2"	BC7061106	15.65	13.95	BC7061111	15.65	13.95
5/8"	1/4"	2-1/4"	BC7061131	20.90	18.95	BC7061136	20.90	18.95
3/4"	1/2"	2-3/4"	BC7061156	30.51	26.95	BC7061161	30.51	26.95
1"	1/2"	2-3/4"	BC7061181	50.82	45.95	BC7061186	50.82	45.95
1-1/4"	1/2"	3"	BC7061206	99.43	88.95	BC7061211	99.43	88.95
1-1/2"	3/4"	3-1/2"	BC7061221	134.61	120.95	BC7061226	134.61	120.95

†Straight shank with tang drive.

23769

NOGA 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	24.34	16.95

10075

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	73.13	65.95

7785

NORTON Pocket Stones

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



Overall Length	Width	Thick-ness	Grade	Order No.	Regular Price	SALE
4"	3/4"	1/4"	Fine	MH6424153	17.53	14.95

475

MCR 7100 Cotton Jersey Glove

- ersey 9 oz.
- Clute pattern
- For general purpose work



Size	Material	Color	Order No.	Regular Price	SALE
Large	Cotton Jersey	Black	KB51BJ	1.21	0.95

30776

CRESCENT 150 Piece Mechanic's Tool Set

- Newly designed 72T Crescent quick release ratchet
- Carefully selected assortment of hand tools for most industrial, mechanical, and consumer applications
- Set includes 1/4", 3/8" drive tools with both SAE & Metric components, to tackle a wide range of projects
- Tools meet stringent new ANSI and ASME specifications and come with a full satisfaction guarantee
- Upgraded set includes a heavy-duty blow molded to keep your tools organized and secure
- Get incredible access from combination wrenches with narrow heads, adjustable wrenches and pliers, and a long-beam ratchets with small teardrop heads
- Blow molded case



Set Includes	Model no	Order No.	Regular Price	SALE
(1) 150 Pc 1/4 and 3/8 Dr 6 Pt SAE/Metric Professional Tool Set, 2 Ratchets 3 Extensions 51 Standard Sockets Spark Plug Socket 12 Combination Wrenches 24 Hex Keys 2 Pliers Adjustable Wrench 2 Screwdrivers Magnetic Bit Driver with 38 Bits Bit Adapter 12 Nutdriver Bits	CTK150	KW50CTK150	207.52	186.95

30766

DEWALT 4-1/2" Angle Grinder/Cutoff

- 2 Position handle, paddle switch with lock on button
- Dust Ejection System™
- One-Touch™ guard
- High efficiency motor
- Low-profile, jump-pot gear case
- Ergonomic body design
- Quick-Change™ wheel release



Spindle Size	Disc Diameter	Maximum RPM	Features	Order No.	Regular Price	SALE
5/8"-11	4 1/2"	11,000	Dust ejection system, paddle switch with lock on button, auto-off brushes, 2 position side handle, one-touch guard	PD20DWE402	137.75	123.95
5/8"-11	4 1/2"	12,000	One-Touch™ Guard, Low profile, jam-pot gear case, 2-position removable side handle, Quick-Change™ wheel release, Wrench	PD20DWE4120N	122.43	109.95

23066

CRESCENT Lufkin Shockforce Tapes

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



Measuring Tape						
Blade Length	Blade Width	Blade Color	Case Color	Order No.	Regular Price	SALE
8 m, 26'	1-3/16'	Black	Black	MZ50L1025CB02	29.86	26.95

Shockforce Nite Eye Dual Sided Tape Measure						
Blade Length	Blade Width	Blade Color	Case Color	Order No.	Regular Price	SALE
16'	1-3/16 in	Black Blade with Hi-Viz Green Markings	Black	MZ50L1116B02	29.86	23.95
25'	1-3/16 in	Black Blade with Hi-Viz Green Markings	Black	MZ50L1125B02	37.33	33.95
35'	1-3/16 in	Black Blade with Hi-Viz Green Markings	Black	MZ50L1135B02	47.78	42.95

Shockforce Dual Sided Tape Measure						
Blade Length	Blade Width	Blade Color	Case Color	Order No.	Regular Price	SALE
8 m	1-3/16 in	Black Blade with Hi-Viz Green Markings	Black	MZ50L1125CMEB02	37.33	29.95
5 m	1-3/16 in	Black Blade with Hi-Viz Green Markings	Black	MZ50L1116CMEB02	29.86	23.95
16'	1-3/16 in	Yellow Blade with Black Markings	Black	MZ50L1116E02	29.86	23.95
5 m	1-3/16 in	Yellow Blade with Black Markings	Black	MZ50L1116CME02	29.86	23.95
25'	1-3/16 in	Yellow Blade with Black Markings	Black	MZ50L1125E02	37.33	29.95
35'	1-3/16 in	Yellow Blade with Black Markings	Black	MZ50L1135E02	47.78	42.95
10 m	1-3/16 in	Yellow Blade with Black Markings	Black	MZ50L1135CME02	47.78	37.95
8 m	1-3/16 in	Yellow Blade with Black Markings	Black	MZ50L1125CME02	37.33	29.95

23742

PRO-CHECK 1/8" Steel Parallel Set

10 Pair Set

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



Order No.	Regular Price	SALE
NM55TPS11	85.67	59.95

4357

Eklind 22 Pc. Ball-Hex-L™ Set Fractional & Metric

- Sets come in plastic holder that firmly retains the keys in size marked holes
- Ball driver provides a 25° angle entry
- Heat treated steel
- Sizes: .050 - 3/8" & 1.5 - 10mm



Number of Pieces	Sizes Included	Order No.	Regular Price	SALE
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, 1.5, 2, 2.5, 3, 4, 5, 6, 8, & 10	KM5013222	57.52	51.95

23145

3M Heavy Duty Duct Tape

- Double-Thick Adhesive: Grips smooth, rough and uneven surfaces
- Tough, Reinforced Backing: The tight weave contributes to the strength, but Gorilla Tape can still be torn by hand.
- Rugged, Weather-Resistant Shell: Withstands moisture, UV rays and temperature changes



Width	Length	Thickness	Color	Order No.	Regular Price	SALE
1 in	30 ft	17 mil	Black	GR3266101	3.59	2.95
1.88 in	9 yd	17 mil	Camo	GR3210902	7.70	6.95
1.88 in	10 yd	17 mil	White	GR3210001	6.17	4.95
1.88 in	30 yd	17 mil	Silver	GR3273502	16.47	14.95
1.88 in	30 yd	17 mil	White	GR3225002	15.87	13.95
2.88 in	25 yd	17 mil	White	GR3225302	22.33	19.95

29593

Starrett Univerz® Portable Bands

With Starrett Bi-Metal Unique Technology

- Triple tempered M-42 cobalt high speed steel teeth with a fatigue resistant alloy steel backer
- Patented "Twin Tooth" design
- Faster cutting and longer tool life than ordinary blades



Teeth per Inch (TPI)	Length	Width (W)	Thickness (H)	Order No.	Regular Price	SALE
10	44-7/8"	1/2"	0.02"	FX83BM10	18.31	13.95
14	44-7/8"	1/2"	0.02"	FX83BM14	18.31	13.95
18	44-7/8"	1/2"	0.02"	FX83BM18	18.31	13.95
24	44-7/8"	1/2"	0.02"	FX83BM24	18.31	13.95
10/14 VT	44-7/8"	1/2"	0.02"	FX83BM1014	18.31	13.95
14/18 VT	44-7/8"	1/2"	0.02"	FX83BM1418	18.31	13.95

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

25065

CARBIDE

DORIAN TOOL Carbide Boring Bars

- Deep boring
- Carbide shank
- Alloy steel head- hardened to RC 40-44
- Focused coolant-thru delivery system
- Threaded end on 1/2" and larger bars



Connection Diameter Machine Side (DCONMS)	Overall Length (OAL)	Minimum Bore Diameter (DMIN)	Master Insert Identification (MIID)	Order No.	Regular Price	SALE
3/8"	6"	0.396"	CCMT2151	FL4559595	242.36	230.24
1/2"	5"	0.55"	CCMT2151	FL4559599	250.52	224.95
1/2"	8"	0.55"	CCMT2151	FL4559603	329.91	296.95
5/8"	6"	0.74"	CCMT3252	FL4559623	316.25	284.95
5/8"	10"	0.74"	CCMT3252	FL4559627	454.80	408.95
3/8"	6"	0.396"	CPMT2151	FL4559635	242.36	217.95
1/2"	8"	0.55"	CPMT2151	FL4559643	329.91	296.95
5/8"	6"	0.74"	CPMT2151	FL4559647	316.25	284.95
5/8"	6"	0.74"	CPMT3252	FL4559663	316.25	284.95
5/8"	10"	0.74"	CPMT3252	FL4559667	454.80	408.95
3/8"	6"	0.456"	TCMT2151	FL4559763	242.36	217.95
1/2"	5"	0.587"	TCMT2151	FL4559767	250.52	224.95
1/2"	8"	0.587"	TCMT2151	FL4559771	329.91	296.95
5/8"	10"	3/4"	TCMT2151	FL4559779	454.80	408.95
1"	8"	1.2"	CCMT3252	FL4559971	777.45	699.95
3/4"	7"	0.93"	TCMT3252	FL4560027	495.48	445.95
3/4"	10"	0.93"	TCMT3252	FL4560029	640.35	575.95

23085

TOOL FLO Flo-Lock Internal Bars

A-FLER/L

- Right hand shown
- Right hand holders (R) take left hand (L) inserts
- Left hand holders (L) take right hand (R) inserts



Product Name	Cutting Depth Maximum (CDX)	Minimum Bore Diameter (DMIN)	Overall Length (OAL)	Functional Width (WF)	Order No.	Regular Price	SALE
Int Threading Toolholder- A08-LO-CEL2-1/2" SH-8" OAL-LH	1/2"	0.73"	8"	0.437"	FG31009600	145.14	130.95
A08-FLER2	1/2"	0.73"	8"	0.437"	FG31009610	145.14	130.95
Int Threading Toolholder- A10-LO-CEL2-5/8" SH-10" OAL-LH	5/8"	1"	10"	1/2"	FG31009640	170.57	153.95
Int Threading Toolholder- A10-LO-CER2-5/8" SH-10" OAL-RH	5/8"	1"	10"	1/2"	FG31009650	170.57	153.95
Int Threading Toolholder- A12-LO-CEL2-3/4" SH-10" OAL-LH	3/4"	1-1/8"	10"	0.562"	FG31009680	207.38	186.95
Int Threading Toolholder- A12-LO-CER2-3/4" SH-10" OAL-RH	3/4"	1-1/8"	10"	0.562"	FG31009690	207.38	186.95
A16-FLEL2	1"	1-3/8"	12"	0.688"	FG31009750	270.52	242.95
Int Threading Toolholder- A16-LO-CEL3-1" SH-12" OAL-LH	1"	1-3/8"	12"	0.688"	FG31009760	270.52	242.95
A16-FLER2	1"	1-3/8"	12"	0.688"	FG31009770	270.52	242.95
Int Threading Toolholder- A16-LO-CER3-1" SH-12" OAL-RH	1"	1-3/8"	12"	0.688"	FG31009780	270.52	242.95
Int Threading Toolholder- 1-1/4" SH-14" OAL-LH	1-1/2"	1-3/4"	14"	7/8"	FG31009890	288.02	258.95
A24-FLER3	1-1/2"	2"	14"	1"	FG31010000	338.86	304.95
Int Threading Toolholder- A28-FLEL4 1-3/4" aSH-16" OAL-LH	1-3/4"	2-1/4"	14"	1-1/4"	FG31010100	372.17	334.95
A28-FLER3	1-3/4"	2-1/4"	14"	1-1/8"	FG31010110	372.16	334.95
Int Threading Toolholder- A28-FLER4 1-3/4" aSH-16" OAL-RH	1-3/4"	2-1/4"	14"	1-1/4"	FG31010120	372.16	334.95
A32-FLEL3	2"	2-1/2"	16"	1-1/4"	FG31010190	407.65	366.95
A32-FLEL4	2"	2-3/4"	16"	1.296"	FG31010200	407.65	366.95
A32-FLEL6 Internal Threading Toolholder	2"	2-3/4"	16"	1-3/8"	FG31010210	407.65	366.95
A32-FLER3	2"	2-1/2"	16"	1-1/4"	FG31010220	407.65	366.95
A32-FLER4	2"	2-3/4"	16"	1.296"	FG31010230	407.65	366.95
A32-FLER6	2"	2-3/4"	16"	1-3/8"	FG31010240	407.65	366.95

† "F" DIM. over sharp point of grooving insert

9489

TOOL FLO Grooving Tool Holders

FLER/L

- Right hand shown
- Right hand holders (R) take left hand inserts (L) inserts
- Left hand holders (L) take right hand (R) inserts



Product-Name	Shank Height (H)	Shank Width (B)	Overall Length (OAL)	Cutting Depth Maximum (CDX)	Functional Width (WF)	Order No.	Regular Price	SALE
FILEL-122B	3/4"	3/4"	4-1/2"	0.14"	1"	FG31024910	97.76	87.95
FILEL-123B	3/4"	3/4"	4-1/2"	0.21"	1-1/8"	FG31024920	97.76	87.95
FILEL-162C	1"	1"	5"	0.14"	1-1/4"	FG31024930	99.42	88.95
FILEL-163D	1"	1"	6"	0.21"	1-1/4"	FG31024940	99.42	88.95
FILEL-164D	1"	1"	6"	0.29"	1-3/8"	FG31024950	99.42	88.95
FILEL-203D	1-1/4"	1-1/4"	6"	0.21"	1-1/2"	FG31024960	109.31	97.95
FILEL-204D	1-1/4"	1-1/4"	6"	0.29"	1-5/8"	FG31024970	109.31	97.95
FILEL-205D	1-1/4"	1-1/4"	6"	0.29"	2"	FG31024980	109.31	97.95
FILEL-206D	1-1/4"	1-1/4"	6"	0.29"	1-5/8"	FG31024990	109.31	97.95
FLER-122B	3/4"	3/4"	4-1/2"	0.14"	1"	FG31025010	97.76	87.95
FLER-123B	3/4"	3/4"	4-1/2"	0.21"	1-1/8"	FG31025020	97.76	87.95
FLER-162C	1"	1"	5"	0.14"	1-1/4"	FG31025030	99.42	88.95
FLER-163D	1"	1"	6"	0.21"	1-1/4"	FG31025040	99.42	88.95
FLER-164D	1"	1"	6"	0.29"	1-3/8"	FG31025050	99.42	88.95
FLER-203D	1-1/4"	1-1/4"	6"	0.21"	1-1/2"	FG31025070	109.31	97.95
FLER-204D	1-1/4"	1-1/4"	6"	0.29"	1-5/8"	FG31025080	109.31	97.95
FLER-205D	1-1/4"	1-1/4"	6"	0.29"	2"	FG31025090	109.31	97.95
FLER-206D	1-1/4"	1-1/4"	6"	0.29"	1-5/8"	FG31025100	109.31	97.95
FLER-82V	1/2"	1/2"	3-1/2"	0.14"	3/4"	FG31025110	94.44	84.95

9491

TOOL FLO Flo-Lock External Holders

FLSR/L

- Right hand shown
- Right hand holders (R) take right hand inserts (R) inserts
- Left hand holders (L) take left hand (L) inserts



Product-Name	Shank Height (H)	Shank Width (B)	Overall Length (OAL)	Cutting Depth Maximum (CDX)	Functional Width (WF)	Order No.	Regular Price	SALE
FLSL-122B-3/4 3/4" SH Size - LH - Grooving Bar	3/4"	3/4"	4-1/2"	0.14"	1"	FG31037660	97.76	87.95
FLSL-123B-3/4 3/4" SH Size - LH - Grooving Bar	3/4"	3/4"	4-1/2"	0.21"	1"	FG31037670	97.76	87.95
FLSL-162C-1 1" SH Size - LH - Grooving Bar	1"	1"	5"	0.14"	1-1/4"	FG31037680	99.42	88.95
FLSL-163C	1"	1"	5"	0.21"	1-1/4"	FG31037690	99.42	88.95
FLSL-163D-1 1" SH Size - LH - Grooving Bar	1"	1"	6"	0.21"	1-1/4"	FG31037700	99.42	88.95
FLSL-164D-1 1" SH Size - LH - Grooving Bar	1"	1"	6"	0.29"	1-1/4"	FG31037710	99.42	88.95
FLSL-203D	1-1/4"	1-1/4"	6"	0.21"	1-1/2"	FG31037750	109.31	97.95
FLSL-204D	1-1/4"	1-1/4"	6"	0.29"	1-1/2"	FG31037760	109.31	97.95
FLSL-205D	1-1/4"	1-1/4"	6"	0.4"	1-1/2"	FG31037770	109.31	97.95
FLSL-62	3/8"	3/8"	2-1/2"	0.14"	0.562"	FG31037810	84.93	75.95
FLSL-82V	1/2"	1/2"	3-1/2"	0.14"	3/4"	FG31037820	94.44	84.95
FLSR-102B	5/8"	5/8"	4-1/2"	0.14"	1"	FG31037880	96.09	85.95
FLSR-122B-3/4 3/4" SH Size - RH - Grooving Bar	3/4"	3/4"	4-1/2"	0.14"	1"	FG31037890	96.09	85.95
FLSR-123B-3/4 3/4" SH Size - RH - Grooving Bar	3/4"	3/4"	4-1/2"	0.21"	1"	FG31037900	97.76	87.95
FLSR-162C-1 1" SH Size - RH - Grooving Bar	1"	1"	5"	0.14"	1-1/4"	FG31037910	99.42	88.95
FLSR-163C	1"	1"	5"	0.21"	1-1/4"	FG31037920	99.42	88.95
FLSR-163D-1 1" SH Size - RH - Grooving Bar	1"	1"	6"	0.21"	1-1/4"	FG31037930	99.42	88.95
FLSR-164D-1 1" SH Size - RH - Grooving Bar	1"	1"	6"	0.29"	1-1/4"	FG31037940	99.42	88.95
FLSR-203D	1-1/4"	1-1/4"	6"	0.21"	1-1/2"	FG31037990	109.31	97.95
FLSR-204D	1-1/4"	1-1/4"	6"	0.29"	1-1/2"	FG31038000	109.31	97.95
FLSR-205D	1-1/4"	1-1/4"	6"	0.4"	1-1/2"	FG31038010	109.31	97.95
FLSR-82V	1/2"	1/2"	3-1/2"	0.14"	3/4"	FG31038090	94.44	84.95

† "F" DIM. over sharp point of grooving insert

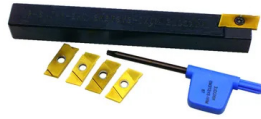
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CARBIDE

NIKOLE MINI-SYSTEMS™ Carbide Indexable Grooving & Cut Off Kit

Set Includes

- (1) Toolholder (1/2" sq. shank, 4-1/2" long)
- (5) Carbide inserts, grade C6-PV (TiN Coated) in widths, .035", .043", .051", .063", .073
- (1) Torx screw & Torx key
- (1) Fitted case



Order No.	Regular Price	SALE
FG4041340	197.52	177.95

22301

Indexable Carbide Turning Sets

- Sets include: 1 ea. same shank size AR, AL, BR, BL, & E.
- Note: Import sets do not include inserts



			Quality Import			Borite		
Shank Size (SS)	Overall Length (OAL)	Inscribed Circle Diameter (IC)	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
3/8" x 3/8"	2-1/2"	1/4"	FL5220290	103.62	82.95	GA52BICT6	179.22	160.95
1/2" x 1/2"	3-1/2"	3/8"	FL5220260	108.43	86.95	GA52BICT8	195.60	175.95
5/8" x 5/8"	4"	3/8"	FL5220300	113.30	90.95	GA52BICT10	220.01	197.95
3/4" x 3/4"	4-1/2"	3/8"	FL5220280	134.65	107.95	GA52BICT12	236.39	212.95
1" x 1"	6"	1/2"	FL5220270	201.94	161.95	GA52BICT16	269.14	241.95

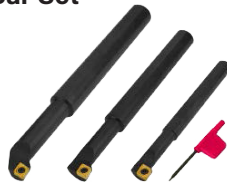
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Indexable Miniature Boring Bar Set

- 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	379.07	283.95

8744

Flo-Lock/Chip-Flo 60° Threading Inserts

FLT

Carbide Grades:

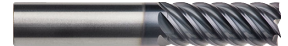
- AC3 - PVD TiAlN for 300 series stainless steel and other high temp alloy steel in pre-mium conditions
- AC50 - PVD TiAlN for standard steels and 400 series stainless steel
- GP50 - PVD TiN general purpose for standard steel



Product Name	Pitch TPI External (TPI Ext)	Pitch TPI Internal (TPI Int)	Corner Radius (RE)	Cutting Edge Length (L)	Insert Thickness (S)	Order No.	Regular Price	SALE
FLT-2L	-	-	0.003" 0.005"	0.2661	0.15"	FG31FLT2LA	21.26	18.95
FLT-2R	-	-	0.003" 0.005"	0.2661	0.15"	FG31FLT2RA	21.26	18.95
FLT-2R AC50C	8-36	-	0.003" 0.005"	0.2661"	0.15"	FG31038190	21.26	18.95
FLT-2L	-	-	0.003" 0.005"	0.2661	0.15"	FG315041	19.66	17.95
FLT-2R	-	-	0.003" 0.005"	0.2661	0.15"	FG315040	19.66	17.95
FLT-3L	-	-	0.005" 0.008"	0.3999	0.195"	FG31FLT3LA	22.06	19.95
FLT-3L	-	-	0.005" 0.008"	0.3999	0.195"	FG31FLT3L	22.06	19.95
FLT-3R	-	-	0.005" 0.008"	0.3999	0.195"	FG315042	20.47	17.95
FLT-3L	-	-	0.005" 0.008"	0.3999	0.195"	FG315043	20.47	17.95
FLT-3010R AC3R	6-18	-	0.009" 0.011	0.3999"	0.195"	FG31038250	24.10	21.95
FLT-3010R AC50C	6-18	-	0.009" 0.011	0.3999"	0.195"	FG31038260	24.10	21.95
FLT-3010R GP50C	6-18	-	0.009" 0.011	0.3999"	0.195"	FG31038280	22.55	19.95
FLT-4L	-	-	0.005" 0.008"	0.375	0.255"	FG31FLT4LAC50	27.58	24.95
FLT-4R	-	-	0.005" 0.008"	0.375	0.255"	FG31FLT4R	27.58	24.95
FLT-4R GP50E	4-20	-	0.005" 0.008"	0.6298"	0.255"	FG315047	25.42	22.95

9501

IMCO OMEGA® M725 & M726 Solid Carbide 5 & 6 Flute End Mills



For Hard Materials - Square End

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

Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Depth of Cut Maximum (APMX)	Overall Length (OAL)	Flute Count (NOF)	Order No.	Regular Price	SALE
1/8"	1/8"	1/2"	1-1/2"	5	DD4069052	34.19	30.95
1/8"	1/8"	1/4"	1-1/2"	5	DD4069050	33.58	29.95
3/16"	3/16"	5/16"	2"	5	DD4069054	39.73	35.95
3/16"	3/16"	9/16"	2"	5	DD4069056	40.61	36.95
1/4"	1/4"	3/4"	2-1/2"	6	DD4069058	53.29	47.95
1/4"	1/4"	1-1/4"	3"	6	DD4069061	65.05	58.95
3/8"	3/8"	7/8"	2-1/2"	6	DD4069070	84.32	75.95
3/8"	3/8"	1-1/4"	3"	6	DD4069073	105.64	94.95
3/8"	3/8"	2"	4"	6	DD4069076	133.25	119.95
1/2"	1/2"	1"	3"	6	DD4069079	122.61	109.95
1/2"	1/2"	1-1/4"	3"	6	DD4069083	127.22	113.95
1/2"	1/2"	1-5/8"	3-1/2"	6	DD4069087	160.94	144.95
5/8"	5/8"	1-3/8"	3-1/2"	6	DD4069099	221.43	198.95
3/4"	3/4"	1-5/8"	4"	6	DD4069111	354.95	318.95
3/4"	3/4"	2-5/8"	5"	6	DD4069115	438.36	394.95

22460

IMCO M924 Solid Carbide 4 Flute Corner Radius End Mills



POW*R*FEED Series M924 End Mills

IMCO's M924 is the second generation of the POW-R-FEED M9 series, designed for production environments.

Reinforced cutting edges give you even longer tool life in more demanding applications.

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

Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Usable Length (LU)	Overall Length (OAL)	Corner Radius (RE) - 0.015"			Corner Radius (RE) - 0.03"			Corner Radius (RE) - 0.06"		
				Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
1/8"	1/8"	1/2"	1-1/2"	DD4167499	36.10	31.95	-	-	-	-	-	-
3/16"	3/16"	9/16"	2"	DD4167511	48.46	43.95	-	-	-	-	-	-
1/4"	1/4"	3/4"	2-1/2"	DD4167525	54.66	48.95	DD4167526	54.66	48.95	-	-	-
1/4"	1/4"	1-1/4"	3"	DD4167531	64.48	57.95	DD4167532	64.48	57.95	-	-	-
1/4"	1/4"	1-3/4"	4"	DD4167547	76.78	68.95	DD4167548	76.78	68.95	-	-	-
5/16"	5/16"	13/16"	2-1/2"	DD4167099	68.06	60.95	DD4167100	68.06	60.95	-	-	-
3/8"	3/8"	1-1/4"	3"	DD4167133	103.55	92.95	DD4167134	103.55	92.95	-	-	-
3/8"	3/8"	2"	4"	DD4167165	127.70	114.95	DD4167166	127.70	114.95	-	-	-
1/2"	1/2"	5/8"	2-1/2"	-	-	-	DD4167206	125.45	112.95	-	-	-
1/2"	1/2"	1"	3"	-	-	-	DD4167215	127.17	113.95	-	-	-
1/2"	1/2"	1-1/4"	3"	DD4167214	127.17	113.95	DD4167216	127.17	113.95	DD4167216	127.17	113.95
1/2"	1/2"	1-1/4"	3"	DD4167223	131.93	118.95	DD4167224	131.93	118.95	DD4167225	131.93	118.95
5/8"	5/8"	3/4"	3"	-	-	-	DD4167278	200.49	179.95	-	-	-
5/8"	5/8"	1-3/8"	3-1/2"	-	-	-	DD4167288	207.74	186.95	DD4167289	207.74	186.95
5/8"	5/8"	2-1/8"	4"	-	-	-	DD4167298	249.33	223.95	DD4167299	249.33	223.95
3/4"	3/4"	1-5/8"	4"	-	-	-	DD4167358	348.82	313.95	DD4167359	348.82	313.95
3/4"	3/4"	2-3/8"	5"	-	-	-	DD4167368	398.49	358.95	-	-	-
1"	1"	1-3/4"	4"	-	-	-	DD4167408	551.74	496.95	DD4167409	551.74	496.95

29977

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



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

Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Depth of Cut Maximum (APMX)	Overall Length (OAL)	Corner Radius (RE) - 0.03"			Corner Radius (RE) - 0.06"			Corner Radius (RE) - 1/8"					
				Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE			
3/16"	3/16"	3/8"	2"	DD4463478	59.08	52.95	-	-	-	-	-	DD4463476	54.51	48.95	
3/16"	3/16"	9/16"	2"	DD4463481	60.78	54.95	-	-	-	-	-	DD4463479	56.20	50.95	
3/16"	3/16"	3/4"	2-1/2"	DD4463484	77.37	69.95	-	-	-	-	-	DD4463482	72.77	64.95	
1/4"	1/4"	1/2"	2"	DD4463487	68.41	61.95	DD4463488	72.73	64.95	-	-	DD4463485	63.79	56.95	
1/4"	1/4"	3/4"	2-1/2"	DD4463491	73.50	65.95	DD4463492	77.81	69.95	-	-	DD4463489	68.85	61.95	
1/4"	1/4"	1"	3"	DD4463495	91.55	81.95	DD4463496	95.86	85.95	-	-	DD4463493	86.92	77.95	
3/8"	3/8"	3/4"	2-1/2"	DD4463499	98.21	87.95	DD4463500	102.46	91.95	-	-	DD4463497	93.40	83.95	
3/8"	3/8"	15/16"	2-1/2"	DD4463504	99.57	89.95	DD4463505	103.88	92.95	-	-	DD4463502	94.76	84.95	
3/8"	3/8"	1-1/8"	3"	DD4463509	110.01	99.95	DD4463510	115.34	103.95	-	-	DD4463507	106.22	95.95	
3/8"	3/8"	1-1/2"	3-1/2"	DD4463514	139.67	125.95	DD4463515	143.98	129.95	-	-	DD4463512	134.88	120.95	
1/2"	1/2"	1"	3"	DD4463517	146.61	131.95	DD4463518	150.91	135.95	DD4463520	160.18	143.95	DD4463516	141.64	126.95
1/2"	1/2"	1-1/4"	3-1/4"	DD4463215	162.65	145.95	DD4463216	167.18	149.95	DD4463218	176.93	158.95	DD4463214	157.41	141.95
1/2"	1/2"	1-1/2"	3-1/2"	DD4463527	164.22	147.95	DD4463528	168.52	151.95	DD4463530	177.80	159.95	DD4463526	159.25	142.95
1/2"	1/2"	1-3/4"	4"	DD4463220	183.89	165.95	-	-	-	DD4463238	197.49	177.95	DD4463219	178.72	160.95
1/2"	1/2"	2"	4"	DD4463537	192.80	173.95	DD4463538	197.11	176.95	DD4463540	206.38	185.95	DD4463536	187.82	168.95
1/2"	1/2"	2-1/4"	4"	DD4463542	212.77	190.95	DD4463543	217.09	194.95	DD4463545	226.36	203.95	DD4463541	207.74	186.95
5/8"	5/8"	1-1/4"	3-1/2"	DD4463547	272.71	244.95	DD4463548	277.63	249.95	DD4463550	288.26	258.95	DD4463546	266.93	239.95
5/8"	5/8"	1-9/16"	4"	DD4463242	300.46	269.95	DD4463244	305.48	274.95	DD4463247	316.03	283.95	DD4463240	294.86	264.95
5/8"	5/8"	1-7/8"	4"	DD4463559	304.43	273.95	DD4463560	309.29	277.95	DD4463562	319.93	287.95	DD4463558	298.52	268.95
5/8"	5/8"	2-3/16"	4-1/2"	DD4463258	349.78	314.95	DD4463262	354.48	318.95	DD4463264	365.26	328.95	DD4463259	343.81	308.95
5/8"	5/8"	2-1/2"	5"	DD4463569	395.83	355.95	DD4463570	400.46	359.95	DD4463571	410.57	369.95	DD4463568	390.22	350.95
3/4"	3/4"	1-1/2"	4"	DD4463573	377.75	339.95	DD4463574	382.61	343.95	DD4463575	393.10	353.95	DD4463572	371.79	334.95
3/4"	3/4"	1-7/8"	4-1/2"	DD4463270	435.36	391.95	DD4463271	440.81	396.95	DD4463275	452.53	406.95	DD4463269	427.97	384.95
3/4"	3/4"	2-1/4"	5"	DD4463586	465.08	418.95	DD4463587	470.07	422.95	DD4463589	480.89	432.95	DD4463585	466.46	419.95
3/4"	3/4"	2-5/8"	5"	DD4463593	483.95	435.95	DD4463594	488.87	439.95	DD4463596	499.63	449.95	DD4463592	477.74	429.95
3/4"	3/4"	3"	6"	DD4463598	561.47	504.95	DD4463599	566.29	509.95	DD4463600	576.74	518.95	DD4463597	555.48	499.95

9795

CUTTING TOOLS



Double Cut Carbide Burrs



- Rapid stock removal in tough applications
- Design reduces the pulling action, reduces the size of chips, ensures rapid stock removal

Cylinder						
Style	Cutting Diameter (DC)	Overall Length (OAL)	Connection Diameter Machine Side (DCONMS)	Order No.	Regular Price	SALE
SA1	1/4"	2	1/4"	FP6041250027	20.01	17.95
SA3	3/8"	2-3/4	1/4"	FP6041375027	28.24	24.95
SA5	1/2"	3	1/4"	FP6041500027	43.72	38.95
SA41	1/16"	1-1/2	1/8"	FP6069000027	13.25	11.95
SA43	1/8"	1-1/2	1/8"	FP6069010027	12.01	10.95
SA42	3/32"	1-1/2	1/8"	FP6069020027	13.25	11.95

Cylindrical End Cut						
Style	Cutting Diameter (DC)	Overall Length (OAL)	Connection Diameter Machine Side (DCONMS)	Order No.	Regular Price	SALE
SB1	1/4"	2	1/4"	FP6041250027E	23.99	21.95
SB3	3/8"	2-3/4	1/4"	FP6041375027E	33.92	30.95
SB5	1/2"	3	1/4"	FP6041500027E	52.54	46.95

Cylindrical Radius End						
Style	Cutting Diameter (DC)	Overall Length (OAL)	Connection Diameter Machine Side (DCONMS)	Order No.	Regular Price	SALE
SC1	1/4"	2	1/4"	FP6042250027	23.92	20.95
SC3	3/8"	2-3/4	1/4"	FP6042375027	31.25	27.95
SC5	1/2"	3	1/4"	FP6042500027	49.20	43.95
SC42	1/8"	1-1/2	1/8"	FP6069030027	11.66	9.95
SC41	3/32"	1-1/2	1/8"	FP6069040027	13.25	11.95

Ball Nose						
Style	Cutting Diameter (DC)	Overall Length (OAL)	Connection Diameter Machine Side (DCONMS)	Order No.	Regular Price	SALE
SD1	1/4"	2	1/4"	FP6043250027	22.08	19.95
SD3	3/8"	2-5/16	1/4"	FP6043375027	25.72	22.95
SD5	1/2"	2-7/16	1/4"	FP6043500027	35.34	31.95
SD41	3/32"	1-1/2	1/8"	FP6069045027	12.79	11.95
SD42	1/8"	1-1/2	1/8"	FP6069050027	11.66	9.95

Taper Radius End						
Style	Cutting Diameter (DC)	Overall Length (OAL)	Connection Diameter Machine Side (DCONMS)	Order No.	Regular Price	SALE
SL1	1/4"	2	1/4"	FP6048250027	27.13	23.95
SL3	3/8"	3-3/16	1/4"	FP6048375027	39.91	35.95
SL4	1/2"	3-1/4	1/4"	FP6048500027	48.60	43.95

23756

PRO-CUT Single Flute Countersinks

High Speed Steel 60°, 82° & 90°

Cutting Diameter (DC)	Overall Length (OAL)	60 Degrees			82 Degrees			90 Degrees		
		Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
3/16"	1-1/2"	BC52RF360	5.52	3.95	BC52RF382	5.52	3.95	BC52RF390	5.48	3.95
1/4"	2"	BC52RF460	5.88	3.95	BC52RF482	5.88	3.95	BC52RF490	5.88	3.95
5/16"	2"	BC52RF560	6.08	4.60	BC52RF582	6.08	4.60	BC52RF590	6.08	4.60
3/8"	2"	BC52RF660	6.62	4.95	BC52RF682	6.62	4.95	BC52RF690	6.62	4.95
1/2"	2"	BC52RF860	8.64	5.95	BC52RF882	8.64	5.95	BC52RF890	8.64	5.95
5/8"	2-1/2"	BC52RF1060	11.82	8.95	BC52RF1082	11.82	8.95	BC52RF1090	11.82	8.95
3/4"	2-3/4"	BC52RF1260	16.03	11.95	BC52RF1282	16.03	11.95	BC52RF1290	16.03	11.95
7/8"	2-3/4"	BC52RF1460	25.94	18.95	BC52RF1482	26.20	19.95	BC52RF1490	26.20	19.95
1"	2-3/4"	BC52RF1660	28.13	20.95	BC52RF1682	28.13	20.95	BC52RF1690	28.13	20.95
1-1/4"	3"	BC52RF2060	42.78	31.95	BC52RF2082	42.78	31.95	BC52RF2090	42.78	31.95
1-1/2"	3-3/8"	BC52RF2460	66.62	49.95	BC52RF2482	67.24	49.95	BC52RF2490	67.24	49.95
2"	3-3/4"	BC52RF3260	109.07	81.95	BC52RF3282	110.10	82.95	BC52RF3290	110.10	82.95

24491

Severance Carbide Inside Deburring Cutters

Shear Tooth Design

- For general purpose light deburring applications
- Multi-flute design is self piloting
- May be reground many times
- One tool can deburr many different hole diameters
- Large variety of shanks available
- Noses all come to a point
- Furnished in 60° and 90° angles
- The sectional shear-tooth pattern on these cutters is intended for deburring only
- For heavy chamfering, use chatterless countersinks
- 3/32 thru 1/4" are solid carbide and double end, 5/16 thru 1" are solid carbide heads brazed to hardened alloy precision ground shanks and single end



Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Overall Length (OAL)	90 Degrees			60 Degrees		
			Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
3/32"	3/32"	1-1/2"	BC5420680	14.50	12.95	BC5420620	14.50	12.95
1/8"	1/8"	1-1/2"	BC5422249	18.89	16.95	BC5422250	18.89	16.95
3/16"	3/16"	2"	BC5420682	27.99	24.95	BC5420622	27.99	24.95
1/4"	1/4"	2"	BC5422412	35.66	31.95	BC5422411	35.66	31.95
5/16"	1/4"	2-1/4"	BC5420688	36.44	32.95	BC5420628	36.44	32.95
3/8"	1/4"	2-1/4"	BC5420689	38.93	34.95	BC5420629	38.93	34.95
1/2"	1/4"	2-1/4"	BC5420693	41.22	36.95	BC5420633	41.22	36.95
1/2"	3/8"	2-1/8"	BC5420694	41.22	36.95	BC5420634	41.22	36.95
5/8"	1/4"	2-3/8"	BC5420699	45.64	40.95	BC5420639	45.64	40.95
5/8"	3/8"	2-3/8"	BC5420700	45.64	40.95	BC5420640	45.64	40.95
3/4"	1/2"	2-11/16"	BC5420704	76.70	68.95	BC5420644	76.70	68.95
1"	1/2"	2-13/16"	BC5420710	153.43	137.95	BC5420650	153.43	137.95

10572

KEO 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	9.73	8.95
#1	1/8"	1-1/4"	AV4110100	6.79	5.95
#2	3/16"	1-7/8"	AV4110200	7.09	5.95
#3	1/4"	2"	AV4110300	6.90	5.95
#4	5/16"	2-1/8"	AV4110400	7.61	6.95
#4.5	3/8"	2-1/2"	AV4114500	10.51	8.95
#5	7/16"	2-3/4"	AV4110500	12.09	10.95
#6	1/2"	3"	AV4110600	18.17	15.95
#7	5/8"	3-1/4"	AV4110700	27.55	24.95
#8	3/4"	3-1/2"	AV4110800	37.85	33.95
#9	7/8"	3-5/8"	AV4110900	68.68	61.95
#10	1"	3-3/4"	AV4111000	90.17	80.95

22469

No. 70 Metric Set

Our most popular metric broach set, 4 broaches & 13 bushings = 26 combinations



Bushings	Style	Order No.	Regular Price	SALE
12 14 15 16 18 19 20 22 24 25 26 28 30	B C	FB5044498	719.25	646.95

9727

Countersink, Holders and Blades



Included	Order No.	Regular Price	SALE
NogaGrip 3 Handle / C Holder / C20 Countersink Blade (20 mm)	FN55NG3100	34.23	23.95

22470

Replacement Blades



Product Name	Blade Type	Shaviv Equivalent	Order No.	Regular Price	SALE
Deburring Blade, for Steel, Plastic and Aluminum	B10CO	None	FN55B10CO	2.72	1.95
Deburring Blade-TiN Coated, HSS-HD, for Very Small Holes	S150-TiN	None	FN55BK3112	3.71	2.50
N1 Right-Handed HSS Deburring Swivel Blade Deburring Blade for Steel, Plastic and Aluminum	N1	B10	FN55N1	2.12	0.95
Deburring Blade, for Steel, Plastic and Aluminum	N1C	B10C	FN55N1C	7.66	4.95
Deburring Blade, for Steel, Plastic and Aluminum	N1D	None	FN55N1D	12.96	8.95
Deburring Blade, left handed, for Steel, Plastic and Aluminum	N1LH	None	FN55N1LH	3.00	1.95
Deburring Blade, for High Wear Materials	N1TiN	B10P	FN55N1TiN	2.79	1.95
Deburring Blade, for Brass and Cast Iron	N2	B20	FN55N2	2.13	0.95
Deburring Blade, for Brass and Cast Iron	N2C	B20C	FN55N2C	7.67	4.95
Deburring Blade, to Remove External & Internal Burrs	N3	B30	FN55N3	2.74	1.95
Deburring Blade, for Inside Cross Holes & Back	N6	B60	FN55N6	4.14	2.95
Deburring Blade, for Steel, Aluminum and Plastic	S10	E100	FN55S10	2.81	1.95
NOGA S100 COBALT HD BLADE	S100	None	FN55S100	3.25	1.95
Deburring Blade, HSS-HD, for Small Holes	S101	None	FN55S101	2.88	1.95
Deburring Blade, left handed, for Small Holes	S101LH	None	FN55S101LH	3.42	1.95
Deburring Blade, left handed, for Steel, Aluminum and Plastic	S10D	None	FN55S10D	13.32	8.95
Deburring Blade, left handed, for Steel, Aluminum and Plastic	S10LH	None	FN55S10LH	3.85	2.50
NOGA S10TiN HD BLADE TiN	S10TiN	E100P	FN55S10TiN	3.56	1.95
NOGA S150 HEAVY DUTY	S150	None	FN55S150	3.21	1.95
Deburring Blade, HSS-HD, for Brass and Cast Iron	S20	E200	FN55S20	3.05	1.95
Deburring Blade, for Fine Point for Brass & Cast Iron	S202	None	FN55S202	3.21	1.95
Deburring Blade, for Removing External & Internal Burrs	S30	E300	FN55S30	3.08	1.95
Deburring Blade, HSS-HD, for Straight Edges	S35	E350	FN55S35	3.15	1.95
Deburring Blade, for Inside Cross Hole & Back	S60	E600	FN55S60	4.36	2.95

24088

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	60.39	41.95

10120

Ceramic Convexed Cera-Cut

- 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



Order No.	Regular Price	SALE
FN55CR2000	36.26	24.95

24068

Multi-Purpose 007 Deburring Kit

Kit Contains: Thread cleaner blade, "O" ring grooves blade, RotoDrive countersink, external RotoDrive countersink, fine tip S150 blade, 1/2" hex, aluminum handle.



Order No.	Regular Price	SALE
FN55007	62.88	43.95

24082

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

Range	Included	Type	Order No.	Regular Price	SALE
3-5.5 mm	Steel Handle / R1 Blade	Mini-Reversible Set	FN55RC1000	31.09	21.95
5-10 mm	Steel Handle / R2 Blade	Medium-Reversible Set	FN55RC2000	31.09	21.95
10-22 mm	Steel Handle / R3 Blade	Large-Reversible Set	FN55RC2200	36.98	25.95
3.5 - 22 mm	Set of all 3	Mini, Medium, Large	FN55RC3300	99.14	68.95

24089

NG Handles & S & N Holders



For Use With	Type	Order No.	Regular Price	SALE
N Blades	N Blade Holder	FN55EL01003	7.21	4.95
S Blades	S Blade Holder	FN55EL02003	7.21	4.95
S Blades	NG-1 Handle	FN55NG1000	9.01	5.95
N Blades	NG-2 Handle	FN55NG2000	9.25	5.95
All Blade Holders	NG-3 Handle	FN55NG3000	9.25	5.95

24075

INTERNAL TOOL

Specializing in Carbide Mill & Tapping Tools

Carbide Internal Threading Tools

- Solid micrograin carbide
- For threading all types of material
- No tip radius
- All shanks have lockdown flat for faster setups
- Minimum Bore +.000-.005



Connection Diameter Machine Side (DCONMS)	Overall Length (OAL)	Minimum Bore Diameter (DMIN)	Overhang Minimum (OHN)	Cutting Length	Order No.	Regular Price	SALE
1/8"	2"	0.06"	0.15"	0.02"	GE97301340	27.50	24.95
1/8"	2"	0.06"	0.2"	0.02"	GE97301345	27.50	24.95
1/8"	2"	0.06"	0.3"	0.02"	GE97301350	27.50	24.95
1/8"	2"	0.08"	0.4"	0.02"	GE97301352	27.50	24.95
1/8"	2"	0.08"	1/2"	0.02"	GE97301353	27.50	24.95
1/8"	2"	0.09"	0.2"	0.025"	GE97301355	27.50	24.95
1/8"	2"	0.09"	0.3"	0.025"	GE97301360	27.50	24.95
1/8"	2"	0.09"	0.4"	0.025"	GE97301365	27.50	24.95
1/8"	2"	0.12"	0.3"	0.03"	GE97301370	30.41	26.95
1/8"	2"	0.12"	0.4"	0.03"	GE97301375	30.41	26.95
1/8"	2"	0.12"	1/2"	0.03"	GE97301380	30.41	26.95
3/16"	2-1/2"	0.14"	0.3"	0.035"	GE97301385	30.41	26.95
3/16"	2-1/2"	0.14"	0.4"	0.035"	GE97301390	30.41	26.95
3/16"	2-1/2"	0.14"	1/2"	0.035"	GE97301395	30.41	26.95
3/16"	2-1/2"	0.16"	0.4"	0.04"	GE97301396	30.41	26.95
3/16"	2-1/2"	0.16"	1/2"	0.04"	GE97301397	30.41	26.95
3/16"	2-1/2"	0.16"	3/4"	0.04"	GE97301398	30.41	26.95
3/16"	2-1/2"	0.16"	1"	0.04"	GE97301399	30.41	26.95
1/4"	2-1/2"	0.18"	0.35"	0.04"	GE97301400	32.65	28.95
1/4"	2-1/2"	0.18"	1/2"	0.04"	GE97301405	32.65	28.95
1/4"	2-1/2"	0.18"	3/4"	0.04"	GE97301410	32.65	28.95
1/4"	2-1/2"	0.18"	1"	0.04"	GE97301415	32.65	28.95
1/4"	2-1/2"	0.2"	0.4"	0.045"	GE97301420	32.65	28.95
1/4"	2-1/2"	0.2"	0.6"	0.045"	GE97301425	32.65	28.95
1/4"	2-1/2"	0.2"	3/4"	0.045"	GE97301430	32.65	28.95
1/4"	2-1/2"	0.2"	1"	0.045"	GE97301435	32.65	28.95
5/16"	2-1/2"	0.23"	0.4"	0.055"	GE97301440	40.97	36.95
5/16"	2-1/2"	0.23"	0.6"	0.055"	GE97301445	40.97	36.95
5/16"	2-1/2"	0.23"	3/4"	0.055"	GE97301450	40.97	36.95
5/16"	2-1/2"	0.23"	1"	0.055"	GE97301455	40.97	36.95
5/16"	2-1/2"	0.23"	1-1/2"	0.055"	GE97301460	40.97	36.95
5/16"	2-1/2"	0.29"	1/2"	0.07"	GE97301465	40.97	36.95
5/16"	2-1/2"	0.29"	3/4"	0.07"	GE97301470	40.97	36.95
5/16"	2-1/2"	0.29"	1"	0.07"	GE97301475	40.97	36.95
5/16"	2-1/2"	0.29"	1-1/4"	0.07"	GE97301480	40.97	36.95
5/16"	2-1/2"	0.29"	1-1/2"	0.07"	GE97301482	40.97	36.95
5/16"	2-1/2"	0.29"	1-3/4"	0.07"	GE97301485	40.97	36.95
3/8"	2-1/2"	0.32"	1/2"	0.075"	GE97301490	53.37	47.95
3/8"	2-1/2"	0.32"	3/4"	0.075"	GE97301495	53.37	47.95
3/8"	2-1/2"	0.32"	1"	0.075"	GE97301500	53.37	47.95
3/8"	2-1/2"	0.32"	1-1/4"	0.075"	GE97301505	53.37	47.95
3/8"	2-1/2"	0.32"	1-1/2"	0.075"	GE97301507	53.37	47.95
3/8"	2-1/2"	0.32"	1.8"	0.075"	GE97301510	53.37	47.95
3/8"	2-1/2"	0.36"	1/2"	0.085"	GE97301515	53.37	47.95
3/8"	2-1/2"	0.36"	3/4"	0.085"	GE97301520	53.37	47.95
3/8"	2-1/2"	0.36"	1"	0.085"	GE97301525	53.37	47.95
3/8"	2-1/2"	0.36"	1-1/4"	0.085"	GE97301530	53.37	47.95
3/8"	2-1/2"	0.36"	1-1/2"	0.085"	GE97301532	53.37	47.95
3/8"	2-1/2"	0.36"	1.8"	0.085"	GE97301535	53.37	47.95
1/2"	3"	0.49"	3/4"	0.12"	GE97301540	74.04	66.95
1/2"	3"	0.49"	1"	0.12"	GE97301542	74.04	66.95
1/2"	3"	0.49"	1-1/2"	0.12"	GE97301545	74.04	66.95
1/2"	3"	0.49"	2"	0.12"	GE97301550	74.04	66.95

30129

CUTTING TOOLS

Solid Carbide High Performance, 4-Flute, Variable Index, Center Cutting, Square, Single End, AP/Max Coated, End Mills for Ferrous Materials



• Style #CEM-V-4R-TA

Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Overall Length (OAL)	Depth of Cut Maximum (APMX)	Flute Count (NOF)	Order No.	Regular Price	SALE
1/8"	1/8"	1-1/2"	1/4"	4	CE60C80001	40.33	31.95
1/8"	1/8"	1-1/2"	3/8"	4	CE60C80003	39.67	31.95
1/8"	1/8"	1-1/2"	1/2"	4	CE60C80005	41.60	32.95
3/16"	3/16"	2"	3/8"	4	CE60C80007	41.95	33.95
3/16"	3/16"	2"	7/16"	4	CE60C80009	45.41	35.95
3/16"	3/16"	2-1/2"	3/4"	4	CE60C80011	55.76	44.95
1/4"	1/4"	2"	1/2"	4	CE60C80013	51.29	40.95
1/4"	1/4"	2-1/2"	3/4"	4	CE60C80015	62.85	49.95
1/4"	1/4"	3"	1-1/8"	4	CE60C80018	69.00	54.95
1/4"	1/4"	3"	1-1/4"	4	CE60C80020	75.53	59.95
5/16"	5/16"	2"	1/2"	4	CE60C80021	77.56	61.95
5/16"	5/16"	2-1/2"	13/16"	4	CE60C80023	83.62	66.95
5/16"	5/16"	3"	1-1/4"	4	CE60C80025	93.03	73.95
3/8"	3/8"	2"	5/8"	4	CE60C80027	85.30	67.95
3/8"	3/8"	2-1/2"	7/8"	4	CE60C80029	91.89	73.95
3/8"	3/8"	3"	1-1/8"	4	CE60C80031	114.60	91.95
3/8"	3/8"	4"	2"	4	CE60C80033	135.25	107.95
7/16"	7/16"	2-1/2"	5/8"	4	CE60C80035	117.76	93.95
7/16"	7/16"	3"	1"	4	CE60C80037	128.44	102.95
7/16"	7/16"	4"	2"	4	CE60C80039	141.54	112.95
1/2"	1/2"	2-1/2"	5/8"	4	CE60C80040	135.58	107.95
1/2"	1/2"	3"	1"	4	CE60C80043	143.31	114.95
1/2"	1/2"	3"	1-1/4"	4	CE60C80048	132.49	105.95
1/2"	1/2"	4"	2"	4	CE60C80054	179.23	142.95
5/8"	5/8"	3"	3/4"	4	CE60C80059	209.30	166.95
5/8"	5/8"	3-1/2"	1-1/4"	4	CE60C80061	234.05	186.95
5/8"	5/8"	5"	2-1/4"	4	CE60C80066	318.33	254.95
3/4"	3/4"	3"	1"	4	CE60C80072	314.18	250.95
3/4"	3/4"	4"	1-1/2"	4	CE60C80074	331.64	264.95
3/4"	3/4"	5"	2-1/4"	4	CE60C80079	463.46	370.95
1"	1"	4"	1-1/2"	4	CE60C80084	561.41	448.95
1"	1"	5"	2-1/4"	4	CE60C80089	686.48	548.95
1"	1"	6"	3"	4	CE60C80094	710.37	567.95

29536

Cobalt, Heavy Duty, 4-Flute, Center Cutting, Square, Single End, TiCN Coated End Mills



• Style #HGC-4C-TC

Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Overall Length (OAL)	Depth of Cut Maximum (APMX)	Flute Count (NOF)	Order No.	Regular Price	SALE
1/4"	3/8"	3-1/16"	1-1/4"	4	CE60C32673	50.83	40.95
1/4"	3/8"	3-9/16"	1-3/4"	4	CE60C32718	57.70	45.95
9/32"	3/8"	3-1/8"	1-3/8"	4	CE60C32674	49.91	39.95
5/16"	3/8"	3-1/8"	1-3/8"	4	CE60C32675	53.67	42.95
5/16"	3/8"	3-3/4"	2"	4	CE60C32720	64.29	50.95
3/8"	3/8"	3-1/4"	1-1/2"	4	CE60C32677	50.20	39.95
3/8"	3/8"	4-1/4"	2-1/2"	4	CE60C32722	67.38	53.95
7/16"	3/8"	3-3/4"	1-3/4"	4	CE60C32679	64.34	50.95
1/2"	1/2"	3-1/4"	1-1/4"	6	CE60C32634	59.72	47.95
1/2"	1/2"	3-1/4"	1-1/4"	4	CE60C32633	53.97	42.95
5/8"	5/8"	3-3/4"	1-5/8"	4	CE60C32635	106.62	84.95
5/8"	5/8"	4-5/8"	2-1/2"	4	CE60C32682	144.86	115.95
3/4"	3/4"	3-7/8"	1-5/8"	4	CE60C32637	136.32	106.95
3/4"	3/4"	6-1/4"	4"	4	CE60C32728	219.70	175.95
7/8"	7/8"	5-3/4"	3-1/2"	4	CE60C32685	174.14	138.95
1/2"	1/2"	4"	2"	4	CE60C32681	70.54	55.95
1"	1"	4-1/2"	2"	4	CE60C32639	183.35	146.95
1"	1"	6-1/2"	4"	4	CE60C32687	286.93	229.95

29531

Solid Carbide, High Performance, 5-Flute, Variable Index, Center Cutting, Square, Single End, AP/Max Coated, End Mills for Ferrous Materials

• Style #CEM-V2-5R-TA



Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Overall Length (OAL)	Depth of Cut Maximum (APMX)	Flute Count (NOF)	Order No.	Regular Price	SALE
3/16"	3/16"	2"	3/8"	5	CE60C80525	35.46	27.95
3/16"	3/16"	2"	7/16"	5	CE60C80527	49.98	39.95
3/16"	3/16"	2-1/2"	3/4"	5	CE60C80529	52.40	41.95
1/4"	1/4"	2"	1/2"	5	CE60C80531	48.62	38.95
1/4"	1/4"	2-1/2"	3/4"	5	CE60C80533	66.06	52.95
1/4"	1/4"	3"	1-1/4"	5	CE60C80537	82.44	65.95
5/16"	5/16"	2"	1/2"	5	CE60C80538	73.76	58.95
5/16"	5/16"	2-1/2"	13/16"	5	CE60C80540	74.19	58.95
5/16"	5/16"	3"	1-1/4"	5	CE60C80542	83.76	66.95
3/8"	3/8"	2"	5/8"	5	CE60C80545	81.31	64.95
3/8"	3/8"	2-1/2"	7/8"	5	CE60C80547	85.53	67.95
3/8"	3/8"	3"	1-1/8"	5	CE60C80549	115.75	92.95
3/8"	3/8"	4"	2"	5	CE60C80551	118.73	94.95
7/16"	7/16"	2-1/2"	5/8"	5	CE60C80553	109.62	87.95
7/16"	7/16"	3"	1"	5	CE60C80555	123.46	98.95
7/16"	7/16"	4"	2"	5	CE60C80557	144.56	115.95
1/2"	1/2"	2-1/2"	5/8"	5	CE60C80558	110.89	88.95
1/2"	1/2"	3"	1-1/4"	5	CE60C80560	120.95	96.95
1/2"	1/2"	3"	1"	5	CE60C80565	137.51	109.95
1/2"	1/2"	4"	2"	5	CE60C80571	174.89	139.95
5/8"	5/8"	3"	3/4"	5	CE60C80576	207.83	165.95
5/8"	5/8"	3-1/2"	1-1/4"	5	CE60C80578	221.40	176.95
5/8"	5/8"	5"	2-1/4"	5	CE60C80583	322.36	257.95
3/4"	3/4"	3"	1"	5	CE60C80588	264.96	211.95
3/4"	3/4"	4"	1-1/2"	5	CE60C80590	321.58	256.95
3/4"	3/4"	5"	2-1/4"	5	CE60C80595	412.68	329.95
1"	1"	4"	1-1/2"	5	CE60C80600	519.11	414.95
1"	1"	5"	2-1/4"	5	CE60C80605	625.26	499.95
1"	1"	6"	3"	5	CE60C80610	822.26	657.95

29538

HSS, General Purpose, 4-Flute, Center Cutting, Square, Single End, TiCN Coated End Mills

• Style #HG-4C-TC



Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Overall Length (OAL)	Depth of Cut Maximum (APMX)	Flute Count (NOF)	Order No.	Regular Price	SALE
1/8"	3/8"	2-5/16"	3/8"	4	CE60C33240	45.79	36.95
5/32"	3/8"	2-3/8"	1/2"	4	CE60C33242	46.31	36.95
3/16"	3/8"	2-3/8"	1/2"	4	CE60C33244	41.74	32.95
3/16"	3/8"	3-1/16"	1-1/4"	4	CE60C33406	45.71	36.95
3/16"	3/8"	3-9/16"	1-3/4"	4	CE60C33457	50.68	40.95
7/32"	3/8"	2-7/16"	5/8"	4	CE60C33246	42.30	33.95
7/32"	3/8"	3-1/16"	1-1/4"	4	CE60C33407	53.77	42.95
1/4"	3/8"	2-7/16"	5/8"	4	CE60C33248	42.30	33.95
1/4"	3/8"	3-1/16"	1-1/4"	4	CE60C33408	54.19	42.95
17/64"	3/8"	2-1/2"	3/4"	4	CE60C33249	47.75	37.95
5/16"	3/8"	2-1/2"	3/4"	4	CE60C33252	42.97	33.95
5/16"	3/8"	3-1/8"	1-3/8"	4	CE60C33410	58.12	45.95
21/64"	3/8"	2-1/2"	3/4"	4	CE60C33253	47.29	37.95
11/32"	3/8"	3-1/4"	1-1/2"	4	CE60C33411	53.21	42.95
23/64"	3/8"	2-1/2"	3/4"	4	CE60C33255	45.92	36.95
3/8"	3/8"	4-1/4"	2-1/2"	4	CE60C33463	70.84	56.95
13/32"	3/8"	2-11/16"	1"	4	CE60C33258	60.13	47.95
27/64"	3/8"	2-11/16"	1"	4	CE60C33259	73.93	58.95
7/16"	3/8"	2-11/16"	1"	4	CE60C33260	65.13	51.95
7/16"	1/2"	3-3/4"	1-3/4"	4	CE60C33414	67.63	53.95
15/32"	1/2"	3-1/4"	1-1/4"	4	CE60C33262	66.52	52.95
1/2"	3/8"	2-11/16"	1"	4	CE60C33264	60.20	47.95
1/2"	1/2"	3-1/4"	1-1/4"	4	CE60C33265	58.48	46.95
1/2"	1/2"	4"	2"	4	CE60C33416	76.38	60.95
17/32"	1/2"	3-3/8"	1-3/8"	4	CE60C33266	106.79	84.95
9/16"	1/2"	3-3/8"	1-3/8"	4	CE60C33267	117.05	93.95
5/8"	1/2"	3-3/8"	1-3/8"	4	CE60C33269	105.64	84.95
5/8"	5/8"	3-3/4"	1-5/8"	4	CE60C33270	103.68	82.95
21/32"	5/8"	3-3/4"	1-5/8"	4	CE60C33271	120.63	96.95
11/16"	5/8"	3-3/4"	1-5/8"	4	CE60C33273	120.63	96.95
3/4"	1/2"	3-5/8"	1-5/8"	4	CE60C33275	127.28	101.95
3/4"	3/4"	3-7/8"	1-5/8"	4	CE60C33277	123.55	98.95
3/4"	3/4"	5-1/4"	3"	4	CE60C33418	159.76	127.95
3/4"	3/4"	6-1/4"	4"	4	CE60C33469	197.43	157.95
7/8"	7/8"	4-1/8"	1-7/8"	4	CE60C33283	158.51	126.95
1"	3/4"	4-1/8"	1-7/8"	4	CE60C33288	185.34	147.95
1"	1"	4-1/2"	2"	4	CE60C33290	185.34	147.95

29532

Cobalt, Heavy Duty, 2-Flute, Center Cutting, Square, Single End, Bright, End Mills

• Style #HGC-2



Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Overall Length (OAL)	Depth of Cut Maximum (APMX)	Flute Count (NOF)	Order No.	Regular Price	SALE
1/8"	1/8"	2-5/8"	3/4"	2	CE60C75127	26.38	20.95
3/8"	3/8"	2-3/4"	1"	2	CE60C75128	36.72	28.95
3/8"	3/8"	3-1/4"	1-1/2"	2	CE60C75129	41.32	32.95
1/2"	1/2"	2-11/16"	3/16"	2	CE60C75130	35.94	28.95
1/2"	1/2"	3-1/2"	1-1/2"	2	CE60C75131	45.72	36.95
1/2"	1/2"	4"	2"	2	CE60C75132	50.11	39.95
5/8"	5/8"	3-3/8"	1-1/8"	2	CE60C75134	69.26	54.95
3/4"	3/4"	3-5/8"	1-5/16"	2	CE60C75135	79.66	63.95
7/8"	7/8"	4"	1-1/2"	2	CE60C75158	117.08	93.95
7/8"	7/8"	4-1/8"	1-1/2"	2			

CLEVELAND Cobalt, Heavy Duty, 4-Flute, Center Cutting, Square, Single End, Bright, End Mills

• Style #HGC-4C



Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Overall Length (OAL)	Depth of Cut Maximum (APMX)	Flute Count (NOF)	Order No.	Regular Price	SALE
1/4"	3/8"	3-9/16"	1-3/4"	4	CE60C32691	50.43	39.95
9/32"	3/8"	3-1/8"	1-3/8"	4	CE60C32647	43.57	34.95
5/16"	3/8"	3-1/8"	1-3/8"	4	CE60C32648	44.98	35.95
5/16"	3/8"	3-3/4"	2"	4	CE60C32693	55.16	43.95
3/8"	3/8"	3-1/4"	1-1/2"	4	CE60C42857	42.60	33.95
3/8"	3/8"	4-1/4"	2-1/2"	4	CE60C42913	57.40	45.95
7/16"	3/8"	3-3/4"	1-3/4"	4	CE60C32651	55.16	43.95
1/2"	1/2"	4"	2"	4	CE60C42861	59.36	46.95
5/8"	5/8"	3-3/4"	1-5/8"	4	CE60C42703	91.14	72.95
5/8"	5/8"	4-5/8"	2-1/2"	4	CE60C42864	137.42	109.95
3/4"	3/4"	3-7/8"	1-5/8"	4	CE60C42707	115.92	92.95
3/4"	3/4"	6-1/4"	4"	4	CE60C42924	187.23	149.95
7/8"	7/8"	5-3/4"	3-1/2"	4	CE60C32653	146.48	116.95
1"	1"	4-1/2"	2"	4	CE60C42715	156.85	124.95
1"	1"	6-1/2"	4"	4	CE60C42876	255.87	204.95
1-1/2"	1-1/4"	10-1/2"	8"	4	CE60C32698	714.71	571.95
1-1/2"	1-1/4"	10-1/2"	8"	6	CE60C32699	778.68	622.95

29540

CLEVELAND Cobalt, Heavy Duty, 2-Flute, Center Cutting, Square, Single End, TiN Coated, End Mills

• Style #HGC-2-TN



Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Overall Length (OAL)	Depth of Cut Maximum (APMX)	Flute Count (NOF)	Order No.	Regular Price	SALE
1/8"	1/8"	2-5/8"	3/4"	2	CE60C75137	29.53	23.95
3/8"	3/8"	2-3/4"	1"	2	CE60C75138	41.14	32.95
3/8"	3/8"	3-1/4"	1-1/2"	2	CE60C75139	46.29	36.95
1/2"	1/2"	2-11/16"	3/16"	2	CE60C75140	40.26	31.95
1/2"	1/2"	3-1/2"	1-1/2"	2	CE60C75141	51.18	40.95
1/2"	1/2"	4"	2"	2	CE60C75142	56.12	44.95
9/16"	9/16"	3-3/8"	1-1/8"	2	CE60C75143	80.50	63.95
5/8"	5/8"	3-3/8"	1-1/8"	2	CE60C75144	77.58	61.95
3/4"	3/4"	3-5/8"	1-5/16"	2	CE60C75145	89.21	70.95
7/8"	7/8"	4"	1-1/2"	2	CE60C75167	131.13	104.95
7/8"	7/8"	4-1/8"	1-1/2"	2	CE60C75168	133.39	106.95
1"	1"	4"	1-1/2"	2	CE60C75169	149.84	119.95
1"	1"	4-1/8"	1-1/2"	2	CE60C75170	150.43	119.95
1"	1"	5-1/2"	3"	2	CE60C75172	202.87	161.95

29863

CLEVELAND Solid Carbide, High Performance, 3-Flute Center Cutting, Square, Single End, ZrN Coated, End Mills for Aluminum Materials

• Style #CEM-AM3-ZN



Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Overall Length (OAL)	Depth of Cut Maximum (APMX)	Flute Count (NOF)	Order No.	Regular Price	SALE
1/8"	1/8"	1-1/2"	3/8"	3	CE60C72341	33.36	26.95
3/16"	3/16"	2"	5/16"	3	CE60C72342	39.90	31.95
3/16"	3/16"	2"	9/16"	3	CE60C72343	43.74	34.95
1/4"	1/4"	2-1/2"	3/4"	3	CE60C72345	56.08	44.95
5/16"	5/16"	3-1/2"	1-1/4"	3	CE60C72349	89.73	71.95
3/8"	3/8"	2"	1/2"	3	CE60C72351	62.37	49.95
3/8"	3/8"	2-1/2"	1"	3	CE60C72352	78.69	62.95
3/8"	3/8"	3-1/2"	1-1/2"	3	CE60C72353	102.84	81.95
1/2"	1/2"	2-1/2"	5/8"	3	CE60C72358	113.08	89.95
1/2"	1/2"	3"	1-1/4"	3	CE60C72359	139.24	110.95
1/2"	1/2"	4"	2"	3	CE60C72360	153.61	122.95
5/8"	5/8"	5"	2-1/2"	3	CE60C72364	313.91	250.95
3/4"	3/4"	3"	1"	3	CE60C72366	287.72	229.95
3/4"	3/4"	4"	5/8"	3	CE60C72367	338.75	270.95

29864

HSS M GP 2 Flute Long Extended Length Single End Mills High Speed Steel - Center Cutting



Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Depth of Cut Maximum (APMX)	Overall Length (OAL)	Order No.	Regular Price	SALE
1/4"	3/8"	5/8"	3-1/16"	MT2343751	38.40	34.95
5/16"	3/8"	3/4"	3-5/16"	MT2343752	30.11	26.95
3/8"	3/8"	3/4"	3-5/16"	MT2343753	31.85	28.95
1/2"	1/2"	1"	4"	MT2343754	47.50	42.95

10015

HSS M GP 2 Flute Long Single End Mills High Speed Steel - Center Cutting



Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Depth of Cut Maximum (APMX)	Overall Length (OAL)	Order No.	Regular Price	SALE
3/8"	3/8"	1-1/2"	3-1/4"	MT2344601	26.85	23.95
1/2"	1/2"	2"	4"	MT2344602	36.60	32.95
5/8"	5/8"	2"	4-1/8"	MT2344603	47.90	42.95
3/4"	3/4"	2-1/4"	4-1/2"	MT2344604	69.46	62.95
1"	1"	3"	5-1/2"	MT2344606	144.16	129.95

10016

MORSE CUTTING TOOLS 2 Flute Single End Mills

High Speed Steel - Center Cutting



- 2 Flute end mills provide increased chip capacity and are recommended for slots, keyways and pockets
- Center cutting end allows for plunge cutting like a drill into solid material

Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Overall Length (OAL)	Usable Length (LU)	Order No.	Regular Price	SALE
1/8"	3/8"	2-5/16"	3/8"	MT2343651	18.37	16.95
3/16"	3/8"	2-5/16"	7/16"	MT2343652	21.64	18.95
1/4"	3/8"	2-5/16"	1/2"	MT2343653	32.53	28.95
5/16"	3/8"	2-5/16"	9/16"	MT2343654	22.16	19.95
3/8"	3/8"	2-5/16"	9/16"	MT2343655	32.53	28.95
7/16"	3/8"	2-1/2"	13/16"	MT2343656	29.71	26.95
1/2"	1/2"	3"	1"	MT2343658	28.08	24.95
9/16"	1/2"	3-1/8"	1-1/8"	MT2343659	41.96	37.95
5/8"	5/8"	3-7/16"	1-5/16"	MT2343661	38.84	34.95
3/4"	3/4"	3-9/16"	1-5/16"	MT2343666	47.17	41.95
7/8"	3/4"	3-3/4"	1-1/2"	MT2343670	60.84	54.95
1"	3/4"	3-3/4"	1-1/2"	MT2343676	86.60	77.95
2"	1-1/4"	4-1/2"	1-5/8"	MT2343690	266.63	239.95
1-1/8"	3/4"	3-7/8"	1-1/2"	MT2343720	89.48	80.95
1-1/4"	3/4"	3-7/8"	1-1/2"	MT2343721	97.70	87.95
1-3/8"	3/4"	3-7/8"	1-1/2"	MT2343722	117.98	105.95
1-1/2"	3/4"	3-7/8"	1-1/2"	MT2343723	125.79	112.95
1-3/4"	3/4"	3-7/8"	1-1/2"	MT2343724	149.98	134.95

23974

MORSE CUTTING TOOLS Cobalt Coarse Pitch Center Cut Roughing

End Mills M42 8% Cobalt - Bright Finish or TiN Coated



- Cobalt offers increased wear and heat resistance for abrasive and difficult materials
- Center cutting end allows for plunge cutting like a drill into solid material
- Coarse pitch is recommended for a wide variety of materials of soft to medium hardness

Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Usable Length (LU)	Overall Length (OAL)	Flute Count (NOF)	Uncoated			TiN		
					Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
1/2"	1/2"	1-1/4"	3-1/4"	4	CV3244910	56.08	49.95	CV3244921	87.38	78.95
1/2"	1/2"	2"	4"	4	CV3244943	74.43	66.95	CV3244952	98.83	88.95
5/8"	5/8"	1-5/8"	3-3/4"	4	CV3244911	92.26	82.95	CV3244922	113.52	101.95
5/8"	5/8"	2-1/2"	4-5/8"	4	CV3244944	103.72	92.95	CV3244953	142.66	127.95
3/4"	3/4"	1-5/8"	3-7/8"	4	CV3244912	114.73	102.95	CV3244923	137.01	122.95
3/4"	3/4"	3"	5-1/4"	4	CV3244945	162.58	145.95	CV3244954	175.91	157.95
7/8"	3/4"	1-7/8"	4-1/8"	5	CV3244913	158.99	142.95	CV3244924	193.11	173.95
1"	1"	2"	4-1/2"	5	CV3244914	189.98	170.95	CV3244925	214.60	192.95
1"	1"	3"	5-1/2"	5	CV3244946	223.42	200.95	CV3244955	256.47	230.95

23978

CUTTING TOOLS

SOLID MASTER Solid Carbide 4 Flute Single End Mills

30° Helix - Center Cutting

- These 4-flute end mills with a greater core thickness offer increased tool strength and reduced tool deflection
- 4-Flute mills also reduce chip load per tooth for the milling of tougher materials, greater wear resistance and improved surface finish
- Center cutting end allows for plunge cutting into solid material
- **Tolerances:** Sizes to 1/4" +.000 - .002 9/32 to 1" +.000 - .003"



Regular									
Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Usable Length (LU)	Overall Length (OAL)	Uncoated			AITIN		
				Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
1/64"	1/8"	3/64"	1-1/2"	MT3257901	29.58	26.95	MT3290696	40.99	36.95
1/32"	1/8"	1/8"	1-1/2"	MT3257902	17.54	15.95	MT3290697	22.30	19.95
3/64"	1/8"	1/8"	1-1/2"	MT3257903	17.54	15.95	MT3290698	21.70	19.95
1/16"	1/8"	3/16"	1-1/2"	MT3257904	13.12	11.95	MT3290776	17.04	14.95
5/64"	1/8"	3/16"	1-1/2"	MT3257905	13.78	11.95	MT3290777	17.66	15.95
3/32"	1/8"	3/8"	1-1/2"	MT3257906	12.54	10.95	-	-	-
7/64"	1/8"	3/8"	1-1/2"	MT3257907	13.74	11.95	MT3290779	18.36	16.95
1/8"	1/8"	1/2"	1-1/2"	MT3257908	11.68	8.95	MT3290780	16.46	14.95
9/64"	3/16"	9/16"	2"	MT3257909	19.10	16.95	MT3290781	24.23	21.95
5/32"	3/16"	9/16"	2"	MT3257910	18.36	16.95	MT3290782	23.84	20.95
11/64"	3/16"	5/8"	2"	MT3257911	18.90	16.95	MT3290783	24.23	21.95
3/16"	3/16"	5/8"	2"	MT3257912	17.82	15.95	MT3290784	22.43	19.95
13/64"	1/4"	5/8"	2-1/2"	MT3257913	25.62	22.95	MT3290785	33.62	29.95
7/32"	1/4"	5/8"	2-1/2"	MT3257914	24.50	21.95	MT3290786	33.35	29.95
15/64"	1/4"	3/4"	2-1/2"	MT3257915	26.09	22.95	MT3290815	47.71	42.95
17/32"	9/16"	1-1/4"	3-1/2"	MT3257935	150.62	135.95	MT3290859	203.18	182.95
1/4"	1/4"	3/4"	2-1/2"	MT3257916	23.25	20.95	MT3290788	31.75	28.95
1/4"	1/4"	7/8"	2-1/2"	MT3257917	22.67	19.95	MT3290633	30.16	26.95
17/64"	5/16"	3/4"	2-1/2"	MT3257917	36.49	32.95	MT3290816	55.51	49.95
19/32"	5/8"	1-1/4"	3-1/2"	MT3257937	136.32	122.95	MT3290890	156.51	140.95
9/32"	5/16"	3/4"	2-1/2"	MT3257918	35.48	31.95	MT3290790	47.09	41.95
19/64"	5/16"	13/16"	2-1/2"	MT3257919	36.26	32.95	MT3290817	52.95	47.95
5/16"	5/16"	13/16"	2-1/2"	MT3257920	33.08	29.95	MT3290792	44.88	39.95
5/16"	5/16"	1"	2-1/2"	MT3257921	32.11	28.95	MT3290634	41.85	37.95
21/64"	3/8"	1"	2-1/2"	MT3257921	53.61	47.95	MT3290818	69.41	61.95
23/64"	3/8"	1"	2-1/2"	MT3257923	51.75	46.95	MT3290850	67.54	60.95
3/8"	3/8"	7/8"	2-1/2"	-	-	-	MT3290796	52.13	46.95
3/8"	3/8"	1"	2-1/2"	MT3257924	40.07	35.95	-	-	-
3/8"	3/8"	1-1/8"	2-1/2"	MT3257923	38.36	34.95	MT3290635	47.43	42.95
31/64"	1/2"	1"	3"	MT3257931	82.41	73.95	MT3290856	101.01	90.95
33/64"	9/16"	1-1/4"	3-1/2"	MT3257934	108.68	97.95	MT3290858	126.90	115.95
41/64"	3/4"	1-1/2"	4"	MT3257938	189.03	169.95	MT3290891	213.30	191.95
25/64"	7/16"	1"	2-3/4"	MT3257919	71.32	63.95	MT3290851	87.38	78.95
13/32"	7/16"	1"	2-3/4"	MT3257926	68.48	61.95	MT3290852	84.74	75.95
27/64"	7/16"	1"	2-3/4"	MT3257927	71.62	63.95	MT3290853	90.80	81.95
7/16"	7/16"	7/8"	2-3/4"	-	-	-	MT3290800	70.88	63.95
7/16"	7/16"	1"	2-3/4"	MT3257928	55.66	49.95	-	-	-
29/64"	1/2"	1"	3"	MT3257929	82.41	73.95	MT3290854	101.01	90.95
1/2"	1/2"	1"	3"	MT3257932	71.32	63.95	MT3290804	85.45	76.95
1/2"	1/2"	1-1/4"	3"	MT3257933	69.68	62.95	MT3290857	90.29	80.95
9/16"	9/16"	1-1/4"	3-1/2"	MT3257936	111.34	99.95	MT3290805	140.76	126.95
5/8"	5/8"	1-1/4"	3-1/2"	MT3257940	127.57	114.95	MT3290806	154.58	138.95
5/8"	5/8"	1-3/8"	3-1/2"	MT3257965	119.61	107.95	MT3290636	144.61	129.95
21/32"	3/4"	1-1/2"	4"	MT3257939	189.03	169.95	MT3290892	213.30	191.95
11/16"	3/4"	1-1/2"	4"	MT3257944	206.45	185.95	MT3290807	242.08	217.95
11/32"	3/8"	1"	2-1/2"	MT3257922	45.65	40.95	MT3290819	56.91	50.95
47/64"	3/4"	1-1/2"	4"	MT3257941	189.03	169.95	MT3290893	213.30	191.95
3/4"	3/4"	1-1/2"	4"	MT3257948	197.21	176.95	MT3290808	226.83	203.95
3/4"	3/4"	1-5/8"	4"	MT3257966	181.21	162.95	MT3290637	211.34	189.95
13/16"	7/8"	1-1/2"	4"	MT3257942	278.00	249.95	MT3290894	304.30	273.95
7/8"	7/8"	1-1/2"	4"	MT3257956	279.89	251.95	MT3290809	374.26	336.95
15/16"	1"	1-1/2"	4"	MT3257943	327.98	294.95	MT3290895	363.36	326.95
15/32"	1/2"	1"	3"	MT3257930	83.42	74.95	MT3290855	101.01	90.95
1"	1"	1-1/2"	4"	MT3257964	317.47	285.95	MT3290810	372.67	334.95
1"	1"	1-3/4"	4"	MT3257967	295.07	265.95	MT3290638	346.24	311.95
1-1/4"	1-1/4"	2"	4-1/2"	MT3257945	616.85	554.95	MT3290896	681.58	612.95

Stub									
Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Usable Length (LU)	Overall Length (OAL)	Uncoated			AITIN		
				Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
1/32"	1/8"	1/16"	1-1/2"	-	-	-	MT3292862	20.84	18.95
3/64"	1/8"	3/32"	1-1/2"	MT3257088	17.93	15.95	MT3292863	20.25	17.95
1/16"	1/8"	1/8"	1-1/2"	MT3257040	14.13	12.95	MT3292815	19.10	16.95
5/64"	1/8"	1/8"	1-1/2"	-	-	-	MT3291045	17.01	14.95
5/64"	1/8"	1/8"	1-1/2"	MT3256589	12.57	10.95	-	-	-
3/32"	1/8"	3/16"	1-1/2"	MT3257041	14.13	12.95	MT3292816	19.10	16.95
7/64"	1/8"	7/32"	1-1/2"	-	-	-	MT3291046	26.88	23.95
7/64"	1/8"	7/32"	1-1/2"	MT3256590	14.21	12.95	-	-	-
1/8"	1/8"	1/4"	1-1/2"	MT3257042	12.86	11.95	MT3292817	17.01	14.95
9/64"	3/16"	9/32"	2"	-	-	-	MT3291047	35.76	31.95
9/64"	3/16"	9/32"	2"	MT3256591	29.27	26.95	-	-	-
5/32"	3/16"	5/16"	2"	MT3257043	19.23	16.95	MT3292818	23.61	20.95
11/64"	3/16"	5/16"	2"	-	-	-	MT3291048	23.61	20.95
11/64"	3/16"	5/16"	2"	MT3256592	19.26	16.95	-	-	-
3/16"	3/16"	3/8"	2"	MT3257044	17.98	15.95	MT3292819	23.01	20.95
13/64"	1/4"	3/8"	2"	-	-	-	MT3291049	31.33	27.95

Stub									
Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Usable Length (LU)	Overall Length (OAL)	Uncoated			AITIN		
				Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
13/64"	1/4"	3/8"	2"	MT3256593	24.88	21.95	-	-	-
7/32"	1/4"	7/16"	2"	MT3257045	24.88	21.95	MT3292820	31.33	27.95
15/64"	1/4"	7/16"	2"	-	-	-	MT3291080	31.33	27.95
15/64"	1/4"	7/16"	2"	MT3256594	24.88	21.95	-	-	-
1/4"	1/4"	1/2"	2"	MT3257046	22.42	19.95	MT3292821	31.34	27.95
9/32"	5/16"	1/2"	2"	-	-	-	MT3291081	38.84	34.95
9/32"	5/16"	1/2"	2"	MT3256595	28.73	25.95	-	-	-
5/16"	5/16"	1/2"	2"	MT3257047	33.91	30.95	MT3292822	44.32	39.95
3/8"	3/8"	5/8"	2"	MT3257048	39.32	34.95	MT3292823	51.09	45.95
7/16"	7/16"	5/8"	2-1/2"	MT3257049	56.12	50.95	MT3292824	70.43	62.95
1/2"	1/2"	5/8"	2-1/2"	MT3257050	72.58	64.95	MT3292825	89.75	80.95
5/8"	5/8"	3/4"	3"	MT3257051	153.59	137.95	MT3292826	164.27	147.95
3/4"	3/4"	1"	3"	MT3257052	182.47	163.95	MT3292827	225.22	202.95
11/64"	1/8"	1/16"	1-1/2"	MT3257087	18.55	16.95	-	-	-
1"	1"	1"	3"	-	-	-	MT3291082	322.95	290.95
1"	1"	1"	3"	MT3256596	287.55	258.95	-	-	-

Long									
Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Usable Length (LU)	Overall Length (OAL)	Uncoated			AITIN		
				Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
1/8"	1/8"	3/4"	2-1/4"	MT3258138	18.43	16.95	MT3290840	26.48	23.95
5/32"	3/16"	3/4"	2-1/2"	MT3258142	24.15	21.95	-	-	-
5/32"	3/16"	3/4"	2-1/2"	-	-	-	MT3290963	31.23	27.95
3/16"	3/16"	3/4"	2-1/2"	MT3258139	25.35	22.95	MT3290841	41.58	36.95
1/4"	1/4"	1-1/8"	3"	MT3258141	30.51	26.95	MT3290842	44.14	39.95
5/16"	5/16"	1-1/8"	3"	MT3258150	40.61	36.95	MT3290843	54.93	48.95
3/8"	3/8"	1-1/8"	3"	MT3258154	47.71	42.95	MT3290844	66.18	59.95
7/16"	7/16"	2"	4"	MT3258158	90.76	81.95	MT3290845	122.60	109.95
1/2"	1/2"	2"	4"	MT3258162	102.37	91.95	MT3290846	119.88	107.95
5/8"	5/8"	2-1/4"	5"	MT3258170	190.96	171.95	MT3290847	235.21	211.95
3/4"	3/4"	2-1/4"	5"	MT3258178	258.85	232.95	MT3290848	295.53	265.95
1"	1"	2-1/4"	5"	MT3258194	435.33	391.95	MT3290849	501.63	450.95

Extra Long									
Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Usable Length (LU)	Overall Length (OAL)	Uncoated			AITIN		
				Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
1/8"	1/8"	1"	3"	MT3258508	24.53	21.95	MT3290880	26.90	23.95
3/16"	3/16"	1-1/8"	3"	MT3258512	29.42	25.95	MT3290881	33.35	29.95
1/4"	1/4"	1-1/2"	4"	MT3258516	39.63	35.95	MT3290882	47.67	42.95
5/16"	5/16"	1-5/8"	4"	MT3258520	55.28	49.95	MT3290883	64.17	57.95
5/32"	3/16"	1-1/8"	3"	MT3257946	29.83	26.95	MT3290993	38.32	33.95
3/8"	3/8"	1-3/4"	4"	MT3258524	76.01	67.95	MT3290884	88.32	78.95
3/8"	3/8"	1"	4"	MT3257952	59.70	53.95	MT3290998	70.21	62.95
7/16"	7/16"	3"	6"	MT3258528	130.55	116.95	MT3290885	159.93	143.95
1/2"	1/2"								



M-42 8% Cobalt, 4-Flute Single End Mills

- M42 8% cobalt - center cutting
- Multi-flute end mills offer higher feed rates, improved surface finish and greater core strength for reduced tool deflection
- Center cutting end permits plunge cutting like a drill into solid material
- Increase wear and heat resistance
- For milling abrasive and difficult materials



Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Overall Length (OAL)	Usable Length (LU)	Order No.	Regular Price	SALE
1/8"	3/8"	2-5/16"	3/8"	MT2544426	20.24	17.95
3/16"	3/8"	2-3/8"	1/2"	MT2544427	20.00	17.95
1/4"	3/8"	2-7/16"	5/8"	MT2544428	26.21	23.95
5/16"	3/8"	2-1/2"	3/4"	MT2544429	21.50	18.95
3/8"	3/8"	2-1/2"	3/4"	MT2544430	22.80	20.95
1/2"	1/2"	3-1/4"	1-1/4"	MT2544431	38.89	34.95
5/8"	5/8"	3-3/4"	1-5/8"	MT2544432	62.17	55.95
3/4"	3/4"	3-7/8"	1-5/8"	MT2544434	79.37	70.95
1"	1"	4-1/2"	2"	MT2544436	127.03	113.95
1-1/4"	1-1/4"	4-1/2"	2"	MT2544438	187.15	167.95
1-1/2"	1-1/4"	4-1/2"	2"	MT2544440	227.00	203.95

23996

A Brand® AE-BD-H High Performance Carbide Ball Nose End Mills

Stub Length - 2 Flute

- List 8410
- Inch
- DUOREY Coating



Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Depth of Cut Maximum (APMX)	Overall Length (OAL)	Order No.	Regular Price	SALE
1/32"	1/4"	0.031"	1-1/2"	TP4684100023	64.23	57.95
1/16"	1/4"	0.063"	1-1/2"	TP4684100123	64.23	57.95
3/32"	1/4"	0.094"	1-1/2"	TP4684100223	64.23	57.95
1/8"	1/4"	1/8"	2"	TP4684100323	64.23	57.95
3/16"	1/4"	0.188"	2-1/2"	TP4684100423	67.90	60.95
1/4"	1/4"	1/4"	3"	TP4684100523	67.90	60.95
5/16"	5/16"	5/16"	3-1/2"	TP4684100623	102.64	91.95
3/8"	3/8"	3/8"	3-1/2"	TP4684100723	118.72	106.95
1/2"	1/2"	1/2"	4"	TP4684100823	173.13	155.95

29329

A Brand® - AE-VMS Advanced Performance Anti-Vibration Carbide End Mills

Square End - Multiple Lengths - Fractional Sizes

- List 8200
- Variable Helix
- Center Cutting
- Duarise Coating



Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Depth of Cut Maximum (APMX)	Flute Count (NOF)	Overall Length (OAL)	Order No.	Regular Price	SALE
3/16"	3/16"	7/16"	4	2"	TP4682000021	30.55	26.95
5/16"	5/16"	13/16"	4	2-1/2"	TP4682000421	53.01	47.95
3/8"	3/8"	1/2"	4	2-1/2"	TP4682000621	63.12	56.95
7/16"	7/16"	1"	4	2-3/4"	TP4682001021	86.39	77.95
1/2"	1/2"	1"	4	3"	TP4682001421	97.84	87.95
1/2"	1/2"	1-1/4"	4	3-1/2"	TP4682001621	100.99	90.95
5/8"	5/8"	3/4"	4	3"	TP4682001821	185.54	166.95
5/8"	5/8"	1-5/8"	4	5"	TP4682002221	222.04	199.95
3/4"	3/4"	7/8"	4	3-1/2"	TP4682002421	239.28	214.95
3/4"	3/4"	1-1/2"	4	4"	TP4682002621	267.67	240.95
3/4"	3/4"	1-5/8"	4	4"	TP4682002821	279.81	251.95
1"	1"	1-1/2"	4	4"	TP4682003021	404.53	363.95
1"	1"	2"	4	5"	TP4682003221	429.86	386.95
1"	1"	2-1/2"	4	5"	TP4682003421	457.25	411.95
5/64"	1/8"	0.117"	4	2"	TP4682004421	23.65	20.95
3/32"	1/8"	9/64"	4	2"	TP4682004621	23.65	20.95
7/64"	1/8"	0.164"	4	2"	TP4682004821	23.82	20.95
1/8"	1/8"	3/16"	4	2"	TP4682005021	22.95	20.95
9/64"	3/16"	0.211"	4	2"	TP4682005221	33.15	29.95
5/32"	3/16"	15/64"	4	2"	TP4682005421	27.89	24.95

29316

A Brand® - AE-VMS Advanced Performance Anti-Vibration Carbide End Mills

Square End - Multiple Lengths - Metric Sizes

- List 8205
- Variable Helix
- Center Cutting
- Duarise Coating



Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Depth of Cut Maximum (APMX)	Flute Count (NOF)	Overall Length (OAL)	Order No.	Regular Price	SALE
3mm	6mm	8mm	4	60mm	TP468555830	49.58	44.95
4mm	6mm	11mm	4	60mm	TP468555840	45.11	40.95
5mm	6mm	13mm	4	60mm	TP468555850	45.52	40.95
6mm	6mm	13mm	4	60mm	TP468555860	42.88	38.95
8mm	8mm	19mm	4	70mm	TP468555880	51.30	45.95
10mm	10mm	22mm	4	80mm	TP468555900	72.88	65.95
12mm	12mm	26mm	4	90mm	TP468555920	106.46	95.95
16mm	16mm	32mm	4	100mm	TP468555960	205.81	184.95
20 mm	20 mm	40 mm	4	110 mm	TP468556000	268.68	241.95
25 mm	25 mm	50 mm	4	120 mm	TP468556010	429.67	386.95

29317

A Brand® AE-VMSS Advanced Performance Anti-Vibration Carbide End Mills

Square End - Stub Length - Metric

- List 8206
- Variable Helix
- Center Cutting
- Duarise Coating



Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Depth of Cut Maximum (APMX)	Flute Count (NOF)	Overall Length (OAL)	Order No.	Regular Price	SALE
3 mm	6 mm	4.5 mm	4	45 mm	TP468556430	49.58	44.95
4 mm	6 mm	6 mm	4	45 mm	TP468556440	45.11	40.95
5 mm	6 mm	7.5 mm	4	45 mm	TP468556450	43.39	38.95
6 mm	6 mm	9 mm	4	45 mm	TP468556460	40.97	36.95
8 mm	8 mm	12 mm	4	60 mm	TP468556480	48.78	43.95
10 mm	10 mm	15 mm	4	70 mm	TP468556500	66.61	59.95
12 mm	12 mm	18 mm	4	75 mm	TP468556520	101.39	90.95

29323

A Brand® AE-BD-H High Performance Carbide Ball Nose End Mills

Stub Length - 2 Flute - Metric Sizes

- List 8510
- For High Hardness Steels
- DUOREY Coating



Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Depth of Cut Maximum (APMX)	Overall Length (OAL)	Order No.	Regular Price	SALE
1 mm	4 mm	0.8 mm	50 mm	TP463042001	42.54	37.95
1.5 mm	4 mm	1.2 mm	50 mm	TP463042002	51.27	45.95
2 mm	6 mm	1.6 mm	50 mm	TP463042003	38.80	34.95
3 mm	6 mm	2.4 mm	60 mm	TP463042004	46.33	41.95
4 mm	4 mm	3.4 mm	60 mm	TP463042005	52.57	46.95
4 mm	6 mm	3.4 mm	70 mm	TP463042006	52.57	46.95
5 mm	6 mm	4.2 mm	80 mm	TP463042008	62.03	55.95
6 mm	6 mm	9 mm	90 mm	TP463042010	64.41	57.95
8 mm	8 mm	12 mm	100 mm	TP463042012	96.70	86.95
10 mm	10 mm	15 mm	100 mm	TP463042014	120.99	108.95
12 mm	12 mm	18 mm	110 mm	TP463042016	173.06	155.95
0.2 mm	4 mm	0.16 mm	40 mm	TP4685100023	69.94	62.95
0.8 mm	4 mm	0.6 mm	40 mm	TP4685100123	46.28	41.95
1.4 mm	4 mm	1.1 mm	50 mm	TP4685100223	82.60	73.95
2.5 mm	4 mm	2 mm	50 mm	TP4685100323	64.47	57.95

29331

CUTTING TOOLS



Solid Carbide Dovetail Cutters

- Solid Micrograin Carbide
- Available uncoated or AlTiN
- Head Diameter +.000-.010

Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Overall Length (OAL)	Number of Teeth	Angle	Uncoated			AlTiN		
					Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
1/8"	1/8"	2"	3	60 Degrees	GE97861095	52.32	46.95	GE97861095C	54.21	48.95
3/16"	3/16"	2-1/2"	3	60 Degrees	GE97861100	58.98	52.95	GE97861100C	61.50	54.95
1/4"	1/4"	2-1/2"	4	60 Degrees	GE97861105	62.79	56.95	GE97861105C	67.85	60.95
5/16"	0.312"	2-1/2"	4	60 Degrees	GE97861107	65.66	58.95	GE97861107C	75.10	67.95
3/8"	3/8"	2-1/2"	5	60 Degrees	GE97861110	67.56	60.95	GE97861110C	73.20	65.95
1/2"	1/2"	3"	6	60 Degrees	GE97861115	83.02	74.95	GE97861115C	93.08	83.95
5/8"	5/8"	3-1/2"	6	60 Degrees	GE97861117	108.17	96.95	GE97861117C	122.66	109.95
3/4"	3/4"	4"	6	60 Degrees	GE97861118	145.34	130.95	GE97861118C	157.98	141.95

30137

A Brand® AE-BD-H High Performance Carbide Ball

Nose End Mills

Regular Length - 4 Flute - Fractional Sizes

- List 8430
- For High Hardness Steels
- DUOREY Coating

Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Depth of Cut Maximum (APMX)	Overall Length (OAL)	Order No.	Regular Price	SALE
1/8"	1/8"	1/8"	2"	TP4684300023	84.15	75.95
3/16"	3/16"	0.188"	2-1/2"	TP4684300123	88.96	79.95
1/4"	1/4"	1/4"	3-1/2"	TP4684300223	88.96	79.95
5/16"	5/16"	5/16"	4"	TP4684300323	134.46	120.95
3/8"	3/8"	3/8"	4"	TP4684300423	155.54	139.95
1/2"	1/2"	1/2"	4-3/8"	TP4684300523	226.80	203.95

29330

A Brand® AE-BM-H High Performance Carbide Ball

Nose End Mills

Regular Length - 4 Flute - Metric Sizes

- List 8530
- For High Hardness Steels
- DUOREY Coating

Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Depth of Cut Maximum (APMX)	Overall Length (OAL)	Order No.	Regular Price	SALE
2 mm	6 mm	2 mm	50 mm	TP468549602	83.63	74.95
3 mm	6 mm	3 mm	50 mm	TP468549603	74.27	66.95
4 mm	6 mm	4 mm	60 mm	TP468549604	74.27	66.95
5 mm	6 mm	5 mm	60 mm	TP468549605	92.15	82.95
6 mm	6 mm	9 mm	60 mm	TP468549606	92.15	82.95
8 mm	8 mm	12 mm	70 mm	TP468549608	108.79	97.95
10 mm	10 mm	15 mm	80 mm	TP468549610	139.41	124.95
12 mm	12 mm	18 mm	90 mm	TP468549612	172.20	154.95
1 mm	4 mm	2 mm	50 mm	TP4685300023	96.22	86.95
1.5 mm	4 mm	3 mm	50 mm	TP4685300123	89.94	80.95
2.5 mm	6 mm	5 mm	60 mm	TP4685300223	83.81	74.95

29332



A Brand® - ADO-SUS High Performance

Carbide Drills

For Stainless Steel

- List 5210
- 5XD
- Coolant-Through
- WXL Coating
- 140° Point Angle

Drill Bit Size / Cutting Diameter (DC)	Decimal Equivalent	Connection Diameter Machine Side (DCONMS)	Usable Length (LU)	Overall Length (OAL)	Order No.	Regular Price	SALE
2 mm	-	3 mm	18 mm	70 mm	TP348667200	104.75	93.95
2.1 mm	-	3 mm	19 mm	70 mm	TP348667210	104.75	93.95
2.2 mm	-	3 mm	20 mm	70 mm	TP348667220	104.75	93.95
2.3 mm	-	3 mm	21 mm	70 mm	TP348667230	104.75	93.95
3/32"	0.0938"	3 mm	22 mm	70 mm	TP34521009312	104.75	93.95
2.4 mm	-	3 mm	22 mm	70 mm	TP348667240	104.75	93.95
2.5 mm	-	3 mm	23 mm	70 mm	TP348667250	104.75	93.95
2.6 mm	-	3 mm	24 mm	78 mm	TP348667260	104.75	93.95
2.7 mm	-	3 mm	25 mm	78 mm	TP348667270	104.75	93.95
2.76 mm	-	3 mm	25 mm	78 mm	TP348667276	104.75	93.95
2.78 mm	-	3 mm	26 mm	78 mm	TP348667278	104.75	93.95
2.8 mm	-	3 mm	26 mm	78 mm	TP348667280	104.75	93.95
2.9 mm	-	3 mm	27 mm	78 mm	TP348667290	104.75	93.95
3 mm	-	3 mm	27 mm	78 mm	TP348667300	104.75	93.95
3.1 mm	-	4 mm	28 mm	86 mm	TP348667310	108.43	97.95
3.15 mm	-	4 mm	29 mm	86 mm	TP348667315	108.43	97.95
1/8"	0.125"	1/8"	29 mm	86 mm	TP34521012512	108.43	97.95
3.2 mm	-	4 mm	29 mm	86 mm	TP348667320	108.43	97.95
3.25 mm	-	4 mm	29 mm	86 mm	TP348667325	108.43	97.95
3.3 mm	-	4 mm	30 mm	86 mm	TP348667330	108.43	97.95
3.4 mm	-	4 mm	31 mm	86 mm	TP348667340	108.43	97.95
3.5 mm	-	4 mm	32 mm	86 mm	TP348667350	108.43	97.95
3.6 mm	-	4 mm	33 mm	86 mm	TP348667360	109.58	98.95
3.66 mm	-	4 mm	33 mm	86 mm	TP348667366	109.58	98.95
3.68 mm	-	4 mm	34 mm	86 mm	TP348667368	109.58	98.95
3.7 mm	-	4 mm	34 mm	86 mm	TP348667370	109.58	98.95
3.75 mm	-	4 mm	34 mm	86 mm	TP348667375	109.58	98.95
3.8 mm	-	4 mm	35 mm	86 mm	TP348667380	109.58	98.95
3.9 mm	-	4 mm	36 mm	86 mm	TP348667390	109.58	98.95
5/32"	0.1563"	4 mm	36 mm	86 mm	TP34521015612	109.58	98.95
4 mm	-	4 mm	36 mm	86 mm	TP348667400	109.58	98.95
#20	-	6 mm	37 mm	95 mm	TP34521016112	112.51	100.95
4.1 mm	-	5 mm	37 mm	95 mm	TP348667410	112.51	100.95
4.1 mm	-	6 mm	37 mm	95 mm	TP348667410	112.51	100.95
4.2 mm	-	5 mm	38 mm	95 mm	TP348667420	112.51	100.95
4.2 mm	-	6 mm	38 mm	95 mm	TP348667420	112.51	100.95
4.3 mm	-	5 mm	39 mm	95 mm	TP348667430	112.51	100.95
4.3 mm	-	6 mm	39 mm	95 mm	TP348667430	112.51	100.95
11/64"	0.1719"	3/16"	40 mm	95 mm	TP34521017112	112.51	100.95
4.4 mm	-	5 mm	40 mm	95 mm	TP348667440	112.51	100.95
4.4 mm	-	6 mm	40 mm	95 mm	TP348667440	112.51	100.95
4.5 mm	-	5 mm	41 mm	95 mm	TP348667450	112.51	100.95
4.5 mm	-	6 mm	41 mm	95 mm	TP348667450	112.51	100.95
4.6 mm	-	5 mm	42 mm	95 mm	TP348667460	115.04	103.95
4.6 mm	-	6 mm	42 mm	95 mm	TP348667460	115.04	103.95
4.62 mm	-	5 mm	42 mm	95 mm	TP348667462	115.04	103.95
4.64 mm	-	5 mm	42 mm	95 mm	TP348667464	115.04	103.95
4.7 mm	-	5 mm	43 mm	95 mm	TP348667470	115.04	103.95
4.7 mm	-	6 mm	43 mm	95 mm	TP348667470	115.04	103.95
3/16"	0.1875"	3/16"	44 mm	95 mm	TP34521018712	115.04	103.95
4.8 mm	-	5 mm	44 mm	95 mm	TP348667480	115.04	103.95
4.8 mm	-	6 mm	44 mm	95 mm	TP348667480	115.04	103.95
4.85 mm	-	6 mm	44 mm	95 mm	TP348667485	115.04	103.95
4.9 mm	-	5 mm	45 mm	95 mm	TP348667490	115.04	103.95
4.9 mm	-	6 mm	45 mm	95 mm	TP348667490	115.04	103.95
5 mm	-	5 mm	45 mm	95 mm	TP348667500	115.04	103.95
5 mm	-	6 mm	45 mm	95 mm	TP348667500	115.04	103.95
5.1 mm	-	6 mm	41 mm	100 mm	TP348667510	121.82	109.95
13/64"	0.2031"	1/4"	42 mm	100 mm	TP34521020312	121.82	109.95
5.2 mm	-	6 mm	42 mm	100 mm	TP348667520	121.82	109.95
5.25 mm	-	6 mm	42 mm	100 mm	TP348667525	121.82	109.95
5.3 mm	-	6 mm	43 mm	100 mm	TP348667530	121.82	109.95
5.4 mm	-	6 mm	44 mm	100 mm	TP348667540	121.82	109.95
#3	-	6 mm	44 mm	100 mm	TP34521021312	121.82	109.95
5.5 mm	-	6 mm	44 mm	100 mm	TP348667550	121.82	109.95
5.52 mm	-	6 mm	45 mm	100 mm	TP348667552	128.62	115.95
5.54 mm	-	6 mm	45 mm	100 mm	TP348667554	128.62	115.95
7/32"	0.2188"	1/4"	45 mm	100 mm	TP34521021812	128.62	115.95
5.6 mm	-	6 mm	45 mm	100 mm	TP348667560	128.62	115.95
5.7 mm	-	6 mm	46 mm	100 mm	TP348667570	128.62	115.95
5.8 mm	-	6 mm	47 mm	100 mm	TP348667580	128.62	115.95
5.9 mm	-	6 mm	48 mm	100 mm	TP348667590	128.62	115.95
15/64"	0.2344"	1/4"	48 mm	100 mm	TP34521023412	128.62	115.95
6 mm	-	6 mm	48 mm	100 mm	TP348667600	128.62	115.95
6.1 mm	-	7 mm	49 mm	109 mm	TP348667610	128.62	115.95
6.1 mm	-	8 mm	49 mm	109 mm	TP348667610	128.62	115.95
6.2 mm	-	7 mm	50 mm	109 mm	TP348667620	128.62	115.95
6.2 mm	-	8 mm	50 mm	109 mm	TP348667620	128.62	115.95
6.25 mm	-	7 mm	50 mm	109 mm	TP348667625	128.62	115.95
6.3 mm	-	7 mm	51 mm	109 mm	TP348667630	128.62	115.95
6.3 mm	-	8 mm	51 mm	109 mm	TP348667630	128.62	115.95
1/4"	0.25"	1/4"	52 mm	109 mm	TP348667635	128.62	115.95
6.4 mm	-	7 mm	52 mm	109 mm	TP348667640	128.62	115.95
6.4 mm	-	8 mm	52 mm	109 mm	TP348667640	128.62	115.95
6.5 mm	-	7 mm	52 mm	109 mm	TP348667650	128.62	115.95
6.5 mm	-	8 mm	52 mm	109 mm	TP348667650	128.62	115.95
F	-	8 mm	53 mm	109 mm	TP34521025712	136.29	122.95
6.6 mm	-	7 mm	53 mm	109 mm	TP348667660	136.29	122.95

Drill Bit Size / Cutting Diameter (DC)	Decimal Equivalent	Connection Diameter Machine Side (DCONMS)	Usable Length (LU)	Overall Length (OAL)	Order No.	Regular Price	SALE
6.6 mm	-	8 mm	53 mm	109 mm	TP348682660	136.29	122.95
6.7 mm	-	7 mm	54 mm	109 mm	TP348687670	136.29	122.95
6.7 mm	-	8 mm	54 mm	109 mm	TP348682670	136.29	122.95
17/64"	0.2656"	5/16"	55 mm	109 mm	TP34521026512	136.29	122.95
6.75 mm	-	7 mm	54 mm	109 mm	TP348687675	136.29	122.95
6.8 mm	-	7 mm	55 mm	109 mm	TP348687680	136.29	122.95
6.8 mm	-	8 mm	55 mm	109 mm	TP348682680	136.29	122.95
6.9 mm	-	7 mm	56 mm	109 mm	TP348687690	136.29	122.95
6.9 mm	-	8 mm	56 mm	109 mm	TP348682690	136.29	122.95
7 mm	-	7 mm	56 mm	109 mm	TP348687700	151.46	135.95
7 mm	-	8 mm	56 mm	109 mm	TP348682700	151.46	135.95
7.1 mm	-	8 mm	57 mm	118 mm	TP348687710	159.97	143.95
[9/32"]	0.2813"	5/16"	58 mm	118 mm	TP34521028112	159.97	143.95
7.2 mm	-	8 mm	58 mm	118 mm	TP348687720	159.97	143.95
7.25 mm	-	8 mm	58 mm	118 mm	TP348687725	159.97	143.95
7.3 mm	-	8 mm	59 mm	118 mm	TP348687730	159.97	143.95
7.36 mm	-	8 mm	59 mm	118 mm	TP348687736	159.97	143.95
7.38 mm	-	8 mm	60 mm	118 mm	TP348687738	159.97	143.95
7.4 mm	-	8 mm	60 mm	118 mm	TP348687740	159.97	143.95
7.5 mm	-	8 mm	60 mm	118 mm	TP348687750	159.97	143.95
7.52 mm	-	8 mm	61 mm	118 mm	TP348687752	159.97	143.95
19/64"	0.2969"	5/16"	60 mm	118 mm	TP34521029612	169.15	151.95
7.54 mm	-	8 mm	61 mm	118 mm	TP348687754	169.15	151.95
7.6 mm	-	8 mm	61 mm	118 mm	TP348687760	169.15	151.95
7.7 mm	-	8 mm	62 mm	118 mm	TP348687770	169.15	151.95
7.75 mm	-	8 mm	62 mm	118 mm	TP348687775	169.15	151.95
7.8 mm	-	8 mm	63 mm	118 mm	TP348687780	169.15	151.95
7.9 mm	-	8 mm	64 mm	118 mm	TP348687790	169.15	151.95
5/16"	0.3125"	5/16"	64 mm	118 mm	TP34521031212	169.15	151.95
8 mm	-	8 mm	64 mm	118 mm	TP348687800	169.15	151.95
8.1 mm	-	9 mm	65 mm	128 mm	TP348687810	186.18	167.95
8.1 mm	-	10 mm	65 mm	128 mm	TP348682810	186.18	167.95
8.2 mm	-	9 mm	66 mm	128 mm	TP348687820	186.18	167.95
8.2 mm	-	10 mm	66 mm	128 mm	TP348682820	186.18	167.95
8.25 mm	-	9 mm	66 mm	128 mm	TP348687825	186.18	167.95
8.3 mm	-	9 mm	67 mm	128 mm	TP348687830	186.18	167.95
8.3 mm	-	10 mm	67 mm	128 mm	TP348682830	186.18	167.95
21/64"	0.3281"	3/8"	67 mm	128 mm	TP34521032812	186.18	167.95
8.4 mm	-	9 mm	68 mm	128 mm	TP348687840	186.18	167.95
8.4 mm	-	10 mm	68 mm	128 mm	TP348682840	186.18	167.95
Q	-	10 mm	68 mm	128 mm	TP34521033212	186.18	167.95
8.5 mm	-	9 mm	68 mm	128 mm	TP348687850	186.18	167.95
8.5 mm	-	10 mm	68 mm	128 mm	TP348682850	186.18	167.95
8.6 mm	-	9 mm	69 mm	128 mm	TP348687860	194.26	174.95
8.6 mm	-	10 mm	69 mm	128 mm	TP348682860	194.26	174.95
8.7 mm	-	9 mm	70 mm	128 mm	TP348687870	194.26	174.95
8.7 mm	-	10 mm	70 mm	128 mm	TP348682870	194.26	174.95
11/32"	0.3438"	3/8"	70 mm	128 mm	TP34521034312	194.26	174.95
8.75 mm	-	9 mm	70 mm	128 mm	TP348687875	194.26	174.95
8.8 mm	-	9 mm	71 mm	128 mm	TP348687880	194.26	174.95
8.8 mm	-	10 mm	71 mm	128 mm	TP348682880	194.26	174.95
8.9 mm	-	9 mm	72 mm	128 mm	TP348687890	194.26	174.95
8.9 mm	-	10 mm	72 mm	128 mm	TP348682890	194.26	174.95
9 mm	-	9 mm	72 mm	128 mm	TP348687900	194.26	174.95
9 mm	-	10 mm	72 mm	128 mm	TP348682900	194.26	174.95
9.1 mm	-	10 mm	73 mm	136 mm	TP348687910	203.83	182.95
23/64"	0.3594"	3/8"	73 mm	136 mm	TP34521035912	203.83	182.95
9.2 mm	-	10 mm	74 mm	136 mm	TP348687920	203.83	182.95
9.24 mm	-	10 mm	74 mm	136 mm	TP348687924	203.83	182.95
9.25 mm	-	10 mm	74 mm	136 mm	TP348687925	203.83	182.95
9.26 mm	-	10 mm	75 mm	136 mm	TP348687926	203.83	182.95
9.3 mm	-	10 mm	75 mm	136 mm	TP348687930	203.83	182.95
9.36 mm	-	10 mm	75 mm	136 mm	TP348687936	203.83	182.95
9.38 mm	-	10 mm	76 mm	136 mm	TP348687938	203.83	182.95
9.4 mm	-	10 mm	76 mm	136 mm	TP348687940	203.83	182.95
9.5 mm	-	10 mm	76 mm	136 mm	TP348687950	203.83	182.95
9.52 mm	-	10 mm	77 mm	136 mm	TP348687952	222.34	199.95
3/8"	0.375"	3/8"	76 mm	136 mm	TP34521037512	222.34	199.95
9.54 mm	-	10 mm	77 mm	136 mm	TP348687954	222.34	199.95
9.6 mm	-	10 mm	77 mm	136 mm	TP348687960	222.34	199.95
9.7 mm	-	10 mm	78 mm	136 mm	TP348687970	222.34	199.95
9.75 mm	-	10 mm	78 mm	136 mm	TP348687975	222.34	199.95
9.8 mm	-	10 mm	79 mm	136 mm	TP348687980	222.34	199.95
9.9 mm	-	10 mm	80 mm	136 mm	TP348687990	222.34	199.95
25/64"	0.3906"	7/16"	80 mm	136 mm	TP34521039012	222.34	199.95
10 mm	-	10 mm	80 mm	136 mm	TP348688000	222.34	199.95
10.1 mm	-	11 mm	81 mm	146 mm	TP348688010	238.80	214.95
10.1 mm	-	12 mm	81 mm	146 mm	TP348688012	238.80	214.95
10.2 mm	-	11 mm	82 mm	146 mm	TP348688020	238.80	214.95
10.2 mm	-	12 mm	82 mm	146 mm	TP348688022	238.80	214.95
10.25 mm	-	11 mm	82 mm	146 mm	TP348688025	238.80	214.95
10.3 mm	-	11 mm	83 mm	146 mm	TP348688030	238.80	214.95
10.3 mm	-	12 mm	83 mm	146 mm	TP348688032	238.80	214.95
13/32"	0.4063"	7/16"	83 mm	146 mm	TP34521040612	238.80	214.95
10.4 mm	-	11 mm	84 mm	146 mm	TP348688040	238.80	214.95
10.4 mm	-	12 mm	84 mm	146 mm	TP348688042	238.80	214.95
10.5 mm	-	11 mm	84 mm	146 mm	TP348688050	238.80	214.95
10.5 mm	-	12 mm	84 mm	146 mm	TP348688052	238.80	214.95
10.6 mm	-	11 mm	85 mm	146 mm	TP348688060	246.43	221.95
10.6 mm	-	12 mm	85 mm	146 mm	TP348688062	246.43	221.95
10.7 mm	-	11 mm	86 mm	146 mm	TP348688070	246.43	221.95
10.7 mm	-	12 mm	86 mm	146 mm	TP348688072	246.43	221.95
27/64"	0.4219"	7/16"	86 mm	146 mm	TP34521042112	246.43	221.95
10.75 mm	-	11 mm	86 mm	146 mm	TP348688075	246.43	221.95
10.8 mm	-	11 mm	87 mm	146 mm	TP348688080	246.43	221.95
10.8 mm	-	12 mm	87 mm	146 mm	TP348688082	246.43	221.95
10.9 mm	-	11 mm	88 mm	146 mm	TP348688090	246.43	221.95
10.9 mm	-	12 mm	88 mm	146 mm	TP348688092	246.43	221.95
11 mm	-	11 mm	88 mm	146 mm	TP348688100	246.43	221.95
11 mm	-	12 mm	88 mm	146 mm	TP348688102	246.43	221.95

Drill Bit Size / Cutting Diameter (DC)	Decimal Equivalent	Connection Diameter Machine Side (DCONMS)	Usable Length (LU)	Overall Length (OAL)	Order No.	Regular Price	SALE
11.1 mm	-	12 mm	89 mm	156 mm	TP348688110	255.62	229.95
7/16"	0.4375"	7/16"	89 mm	156 mm	TP34521043812	255.62	229.95
11.2 mm	-	12 mm	90 mm	156 mm	TP348688120	255.62	229.95
11.22 mm	-	12 mm	90 mm	156 mm	TP348688122	255.62	229.95
11.24 mm	-	12 mm	90 mm	156 mm	TP348688124	255.62	229.95
11.3 mm	-	12 mm	91 mm	156 mm	TP348688130	255.62	229.95
11.36 mm	-	12 mm	91 mm	156 mm	TP348688136	255.62	229.95
11.38 mm	-	12 mm	92 mm	156 mm	TP348688138	255.62	229.95
11.4 mm	-	12 mm	92 mm	156 mm	TP348688140	255.62	229.95
11.5 mm	-	12 mm	92 mm	156 mm	TP348688150	275.23	247.95
29/64"	0.4531"	1/2"	92 mm	156 mm	TP34521045312	285.09	256.95
11.6 mm	-	12 mm	93 mm	156 mm	TP348688160	285.09	256.95
11.7 mm	-	12 mm	94 mm	156 mm	TP348688170	285.09	256.95
11.8 mm	-	12 mm	95 mm	156 mm	TP348688180	285.09	256.95
11.9 mm	-	12 mm	96 mm	156 mm	TP348688190	285.09	256.95
12 mm	-	12 mm	96 mm	156 mm	TP348688200	285.09	256.95
12.1 mm	-	13 mm	97 mm	167 mm	TP348688210	285.09	256.95
12.1 mm	-	14 mm	97 mm	167 mm	TP348688212	285.09	256.95
12.2 mm	-	13 mm	98 mm	167 mm	TP348688220	285.09	256.95
12.2 mm	-	14 mm	98 mm	167 mm	TP348688222	285.09	256.95
12.3 mm	-	13 mm	99 mm	167 mm	TP348688230	285.09	256.95
12.3 mm	-	14 mm	99 mm	167 mm	TP348688232	285.09	256.95
31/64"	0.4844"	1/2"	99 mm	167 mm	TP34521048512	285.09	256.95
12.4 mm	-	13 mm	100 mm	167 mm	TP348688240	285.09	256.95
12.4 mm	-	14 mm	100 mm	167 mm	TP348688242	285.09	256.95
12.5 mm	-	13 mm	100 mm	167 mm	TP348688250	285.09	256.95
12.5 mm	-	14 mm	100 mm	167 mm	TP348688252	285.09	256.95
12.6 mm	-	13 mm	101 mm	167 mm	TP348688260	294.91	264.95
12.6 mm	-	14 mm	101 mm	167 mm	TP348688262	294.91	264.95
1/2"	0.5"	1/2"	102 mm	167 mm	TP34521050012	294.91	264.95
12.7 mm	-	13 mm	102 mm	167 mm	TP348688270	294.91	264.95
12.75 mm	-	13 mm	103 mm	167 mm	TP348688275	294.91	264.95
12.8 mm	-	13 mm	103 mm	167 mm	TP348688280	294.91	264.95
12.8 mm	-	14 mm	103 mm	167 mm	TP348688282	294.91	264.95
12.9 mm	-	13 mm	104 mm	167 mm	TP348688290	294.91	264.95
12.9 mm	-	14 mm	104 mm	167 mm	TP348688292	294.91	264.95
13 mm	-	13 mm	104 mm	167 mm	TP348688300	294.91	264.95
13 mm	-	14 mm	104 mm	167 mm	TP348688302	294.91	264.95
13.1 mm	-	14 mm	105 mm	176 mm	TP348688310	294.91	264.95
13.2 mm	-	14 mm	106 mm	176 mm	TP348688320	294.9	

CUTTING TOOLS

CLEVELAND Solid Carbide High Performance Ball Nose End Mills



4-Flute • Variable Index • Center Cutting • AP/Max Coated • for Ferrous Materials • Single End

• Style #CEM-V-4B-TA

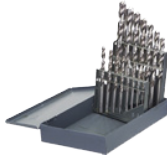
Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Overall Length (OAL)	Depth of Cut Maximum (APMX)	Flute Count (NOF)	Order No.	Regular Price	SALE
1/8"	1/8"	1-1/2"	3/8"	4	CE60C80108	48.36	38.95
3/16"	3/16"	2"	7/16"	4	CE60C80109	62.64	49.95
1/4"	1/4"	2-1/2"	3/4"	4	CE60C80110	76.08	60.95
5/16"	5/16"	2-1/2"	13/16"	4	CE60C80111	88.76	70.95
3/8"	3/8"	2-1/2"	7/8"	4	CE60C80112	109.08	86.95
7/16"	7/16"	3"	1"	4	CE60C80113	139.47	111.95
1/2"	1/2"	2-1/2"	5/8"	4	CE60C80114	140.99	112.95
1/2"	1/2"	3"	1"	4	CE60C80115	148.19	118.95
5/8"	5/8"	3-1/2"	1-1/4"	4	CE60C80116	238.75	190.95
3/4"	3/4"	4"	1-1/2"	4	CE60C80117	348.14	278.95
1"	1"	5"	2-1/4"	4	CE60C80118	653.68	522.95

29537

HSS M GP 135° Heavy Duty Split Point Cobalt

Jobber Drill Sets

- Complete with index
- Drills ground from solid



Quantity	Diameter Range	Coating	Morse Cutting Tools			Chicago-Latrobe		
			Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
15	1/16" to 1/2"	Bright	MT1218167	200.77	120.50	-	-	-
29	1/16" to 1/2"	Straw-Gold Oxide	-	-	-	CH1057850	486.16	364.95
29	1/16" to 1/2"	Bright	MT1218166	383.82	230.30	-	-	-

9608

EXOTAP® A-TAP® Spiral Flute Taps

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



Thread Diameter Size (TDZ)	Threads per Inch (TPI)	Thread Tolerance Class (TCTR)	Overall Length (OAL)	Flute Count (NOF)	Order No.	Regular Price	SALE
#4	40	H2	2.2"	2	TP531650500108	33.93	30.95
#6	32	H3	2.2"	2	TP531650500508	27.76	24.95
#8	32	H3	2.48"	2	TP531650500808	27.76	24.95
#10	24	H3	2-3/4"	2	TP531650501108	28.60	25.95
#10	32	H2	2-3/4"	2	TP531650501208	28.40	25.95
#10	32	H2	2-3/4"	2	TP531650501308	28.40	25.95
1/4"	20	H5	3.14"	2	TP531650501608	31.19	27.95
1/4"	20	H3	3.14"	2	TP531650501708	31.19	27.95
1/4"	28	H4	3.14"	2	TP531650501808	31.19	27.95
1/4"	28	H3	3.14"	2	TP531650501908	31.19	27.95
5/16"	18	H5	3.54"	3	TP531650502008	34.63	30.95
5/16"	18	H3	3.54"	3	TP531650502108	34.63	30.95
5/16"	24	H4	3.54"	3	TP531650502208	34.63	30.95
5/16"	24	H3	3.54"	3	TP531650502308	34.63	30.95
3/8"	16	H5	3.93"	3	TP531650502408	38.50	34.95
3/8"	16	H3	3.93"	3	TP531650502508	38.50	34.95
3/8"	24	H4	3.54"	3	TP531650502608	38.50	34.95
3/8"	24	H3	3.54"	3	TP531650502708	38.50	34.95
7/16"	14	H5	3.93"	3	TP531650502808	47.69	42.95
7/16"	14	H3	3.93"	3	TP531650502908	47.69	42.95
7/16"	20	H5	3.93"	3	TP531650503008	47.69	42.95
7/16"	20	H3	3.93"	3	TP531650503108	47.69	42.95
1/2"	13	H5	4.33"	3	TP531650503208	55.93	49.95
1/2"	13	H3	4.33"	3	TP531650503308	55.93	49.95
1/2"	20	H3	3.93"	3	TP531650503508	55.93	49.95
9/16"	12	H3	4.33"	3	TP531650503708	94.04	84.95
9/16"	18	H5	3.93"	3	TP531650503808	94.04	84.95
9/16"	18	H3	3.93"	3	TP531650503908	94.04	84.95
5/8"	11	H5	4.33"	3	TP531650504008	106.37	95.95
5/8"	11	H3	4.33"	3	TP531650504108	106.37	95.95
5/8"	18	H5	3.93"	3	TP531650504208	106.37	95.95
5/8"	18	H3	3.93"	3	TP531650504308	106.37	95.95
3/4"	10	H5	4.92"	4	TP531650504408	135.94	121.95
3/4"	10	H3	4.92"	4	TP531650504508	135.94	121.95
3/4"	16	H5	4.33"	4	TP531650504608	142.75	127.95
3/4"	16	H3	4.33"	4	TP531650504708	142.75	127.95
7/8"	9	H6	5.51"	4	TP531650504808	190.66	171.95
7/8"	9	H4	5.51"	4	TP531650504908	190.66	171.95
1"	8	H6	6.29"	4	TP531650505208	236.53	212.95
1"	8	H4	6.29"	4	TP531650505308	236.53	212.95

22477

HSS M GP General Purpose Hand Taps - Fractional Sizes



Ground Thread • High Speed Steel

Thread Diameter Size (TDZ)	Threads per Inch (TPI)	Thread Tolerance Class (TCTR)	Flute Count (NOF)	Morse Cutting Tools, Taper			Morse Cutting Tools, Plug			Morse Cutting Tools, Bottoming		
				Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
1/4"	20	H3	2	-	-	-	MT3732405	9.01	7.95	MT3732603	9.43	7.95
1/4"	20	H3	3	-	-	-	MT3732406	9.01	7.95	MT3732604	8.47	6.95
1/4"	20	H5	3	-	-	-	MT3732408	8.34	6.95	MT3732606	8.47	6.95
1/4"	20	H1	4	MT3732301	8.72	7.95	MT3732402	9.17	7.95	MT3732601	9.60	8.95
1/4"	20	H2	4	MT3732302	8.72	7.95	MT3732404	8.72	7.95	MT3732602	8.72	7.95
1/4"	20	H3	4	MT3732303	7.09	5.95	MT3732407	7.09	5.95	MT3732605	7.09	5.95
1/4"	20	H5	4	-	-	-	MT3732409	8.72	7.95	-	-	-
1/4"	28	H3	2	-	-	-	MT3732412	8.92	7.95	MT3732609	9.01	7.95
1/4"	28	H3	3	-	-	-	MT3732413	9.01	7.95	MT3732610	9.01	7.95
1/4"	28	H1	4	-	-	-	MT3732410	8.72	7.95	MT3732607	8.72	7.95
1/4"	28	H2	4	-	-	-	MT3732411	8.72	7.95	MT3732608	9.17	7.95
1/4"	28	H3	4	MT3732304	7.30	5.95	MT3732414	7.30	5.95	MT3732611	7.30	5.95
1/4"	28	H4	4	-	-	-	MT3732415	6.66	5.95	MT3732612	7.30	5.95
5/16"	18	H3	2	-	-	-	-	-	-	MT3732615	11.43	8.95
5/16"	18	H3	3	-	-	-	MT3732420	10.47	8.95	MT3732616	10.01	8.95
5/16"	18	H2	4	-	-	-	MT3732418	10.14	8.95	MT3732614	10.14	8.95
5/16"	18	H3	4	MT3732305	9.01	7.95	MT3732421	9.01	7.95	MT3732617	9.01	7.95
5/16"	18	H5	4	-	-	-	MT3732422	10.14	8.95	MT3732618	10.14	8.95
5/16"	24	H3	3	-	-	-	MT3732425	9.22	7.95	MT3732620	10.47	8.95
5/16"	24	H2	4	-	-	-	MT3732424	10.14	8.95	-	-	-
5/16"	24	H3	4	MT3732306	9.01	7.95	MT3732426	9.01	7.95	MT3732621	9.01	7.95
5/16"	24	H4	4	-	-	-	MT3732427	9.01	7.95	-	-	-
3/8"	16	H1	4	-	-	-	MT3732429	11.48	9.95	-	-	-
3/8"	16	H2	4	-	-	-	MT3732430	11.48	9.95	MT3732624	11.48	9.95
3/8"	16	H3	3	-	-	-	MT3732431	11.22	9.95	MT3732625	11.22	9.95
3/8"	16	H3	4	MT3732307	10.14	8.95	MT3732432	10.14	8.95	MT3732626	10.14	8.95
3/8"	16	H5	4	-	-	-	MT3732434	11.02	9.95	MT3732627	11.48	9.95
3/8"	24	H3	3	-	-	-	MT3732437	12.84	11.95	MT3732630	12.84	11.95
3/8"	24	H1	4	-	-	-	MT3732435	11.02	9.95	-	-	-
3/8"	24	H2	4	-	-	-	MT3732436	11.48	9.95	MT3732629	11.48	9.95
3/8"	24	H3	4	MT3732308	10.14	8.95	MT3732438	10.14	8.95	MT3732631	10.14	8.95
3/8"	24	H4	4	-	-	-	MT3732439	10.14	8.95	-	-	-
7/16"	14	H3	3	-	-	-	MT3732440	18.65	16.95	-	-	-
7/16"	14	H3	4	MT3732309	16.32	14.95	MT3732441	16.32	14.95	MT3732633	16.32	14.95
7/16"	14	H5	4	-	-	-	MT3732442	17.93	15.95	MT3732634	19.07	16.95
7/16"	20	H3	3	-	-	-	MT3732443	18.65	16.95	-	-	-
7/16"	20	H3	4	MT3732310	17.39	15.95	MT3732444	17.39	15.95	MT3732635	17.39	15.95
7/16"	20	H5	4	-	-	-	MT3732445	19.07	16.95	MT3732636	19.07	16.95
1/2"	13	H1	4	-	-	-	MT3732446	22.15	19.95	-	-	-
1/2"	13	H3	4	MT3732311	18.30	15.95	MT3732449	18.30	15.95	MT3732640	18.30	15.95
1/2"	13	H5	4	-	-	-	MT3732450	22.43	19.95	MT3732641	22.62	19.95
1/2"	13	H3	3	-	-	-	MT3732448	22.15	19.95	MT3732639	22.15	19.95
1/2"	20	H1	4	-	-	-	MT3732451	22.43	19.95	MT3732642	21.60	18.95
1/2"	20	H3	4	MT3732312	20.86	18.95	MT3732453	20.86	18.95	MT3732643	20.86	18.95
1/2"	20	H5	4	-	-	-	MT3732454	22.43	19.95	-	-	-
9/16"	12	H3	4	MT3732313	30.74	27.95	MT3732455	30.74	27.95	MT3732644	30.74	27.95
9/16"	12	H5	4	-	-	-	MT3732456	31.36	27.95	-	-	-
9/16"	18	H2	4	-	-	-	MT3732457	33.59	29.95	-	-	-
9/16"	18	H3	4	MT3732314	30.74	27.95	MT3732458	30.74	27.95	MT3732645	30.74	27.95
9/16"	18	H5	4	-	-	-	MT3732459	33.59	29.95	-	-	-
5/8"	11	H2	4	-	-	-	MT3732460	37.08	32.95	-	-	-
5/8"	11	H3	4	MT3732315	37.08	32.95	MT3732461	37.08	32.95	MT3732647	37.08	

FLUIDS

CRC Greases

Extreme Pressure Moly-Graph Multi-Purpose Grease:

- Improves metal finish, reduces wear, increases parts life, reduces down-time and increases relubrication intervals
- Contains rust and oxidation inhibitors and extreme pressure additives



Extreme Pressure Sta-Plex Premium Red Grease: LR50SL3310 LR50SL3330

- An NLGI grade lithium complex premium grease
- Provides superior rust protection and oxidation resistance
- Tackiness additive prevents grease from slinging-off bearings at high RPMs

Lithium General Purpose Grease:

- Economical general purpose grease designed for light duty applications
- Highly water resistant
- Will not break down or run out
- NLGI #2 Lithium-12 based

Type	Container Size	Order No.	Regular Price	SALE
Extreme Pressure	14 oz	LR50SL3190	14.75	12.95
Multi Purpose	14 oz	LR50SL3310	8.11	6.95
Extreme Pressure	14 oz	LR50SL3330	10.38	8.95

8176

Mobil Mobilgrease Lubricating Grease XHP 222 NLGI Grade - 2, Thickener Type Li-Complex

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

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



Container Size	Order No.	Regular Price	SALE
13.7 oz	LK45121929	7.21	5.95
35 lb	LK45XHP22235	286.42	257.95

23197

Accu-Lube LB-6800

- Aluminum sawing lubricant
- Designed for aluminum extruders
- Non-staining and easily burns off during post heat treat processes
- Environmentally safe, biodegradable and non-toxic



Container Size	Order No.	Regular Price	SALE
1 gallon	LK60LB6800	179.75	161.95
55 gallon	LK60LB6855	9,710.12	8,738.95

†All 55 Gallon Drums FOB Factory

8272

CROWN Cutting Oil

- Provides maximum lubricity for ferrous and non-ferrous machining
- Reduces downtime and increases tool life
- Protects tools and machined parts against rust and other corrosion.



Container Size	Order No.	Regular Price	SALE
16 oz	LP507020	9.56	7.95

8221

Monroe Fluid Technology Cool-Tool II® Cutting Tapping Fluid

- Excellent performance on: aluminum, inconel, titanium, stainless steel, certain plastics
- Not to be mixed with water



Container Size	Order No.	Regular Price	SALE
4 oz	LK5003004	5.15	3.95
16 oz	LK5003017	22.74	19.95
1 pint	LK5003016	15.37	13.95
1 gallon	LK5003102	92.19	82.95
5 gallon	LK5003050	286.68	257.95
50 gallon	LK5003500	2,353.55	2,117.95

All 50 Gallon Drums FOB Factory

8502

Mobil Rarus 427 Series Compressor Oil

- A line of premium performance ashless air compressor oils designed to lower maintenance costs, improve valve performance, reduce the wear of rings & cylinders, and reduce deposits of sludge in discharge lines
- Has excellent water separability, improves filter life and is very effective in the protection of rust & corrosion
- Reciprocating air compressor crankcases and cylinders
- Rotary screw compressors
- Compressors used in stationary and mobile applications
- Rotary vane compressors
- ISO Viscosity Grade: 100



Container Size	HAZCode	Order No.	Regular Price	SALE
1 gallon	58	LK454271	47.01	41.95

8499

BLASTER PB B'laster

- Breaks free rusted joints and frozen parts by removing surface tension
- Powerful penetrating catalyst
- Non-evaporating lubricant
- Protects against further rust and corrosion



Container Size	Order No.	Regular Price	SALE
12 oz	LR711PB16	11.29	9.95
16 oz	LR7116PB	10.90	9.95
1 gallon	LR71128PB	71.65	63.95

8165

AIKANAKI OIL SKIMMERS Li'l Blue Skimmer™

- Continuous duty fan cooled motor
- Both sides of belt wiped for better efficiency
- Engineered polymer base and housing
- Removable trough for easy cleaning
- Compact; use almost anywhere even through a 2" diameter bung hole
- Spring loaded stabilizer bar



Reach	Removal Rate	Maximum Temperature	Order No.	Regular Price	SALE
8"	1 gph	140° F	NY45SLB08	478.79	430.95
12"	1 gph	140° F	NY45SLB12	478.79	430.95
18"	1 gph	140° F	NY45SLB18	478.79	430.95
24"	1 gph	140° F	NY45SLB24	478.79	430.95

8106

Little GIANT® Small Submersible Pumps

- Small, submersible, epoxy-encapsulated pumps for commercial and industrial use
- Applications include air conditioners, machine tools, and many other applications where liquid must be transferred or re-circulated
- 2EN pump is permanently lubricated



NX50PE1



NX502EN

Pump Capacity	Shut Off	Order No.	Regular Price	SALE
300 gph	11.8 feet	NX502EN	260.37	233.95
170 gph	7 feet	NX50PE1	158.40	142.95

23718

LOCTITE® 242 Removable Threadlocker

- Well suited for fasteners between 1/4" to 3/4" diameter (6 to 20mm)
- Provides controlled lubricity for accurate clamp loads when applied to threaded components before assembly
- Allows parts and components to be separated using hand tools
- One component acrylic adhesive requires no mixing
- Positive fluorescence under UV light



Container Size	Order No.	Regular Price	SALE
10 ml	LM5024221	22.67	19.95
50 ml	LM5024231	63.06	56.95

23724

CRC® Hydroforce® Glass Cleaner

- Cuts through dirt, dust, fingerprints and haze deposits
- Provides streak-free glass cleaning even on delicate glass surfaces
- Biodegradable, ready to use
- For use on glass, fiberglass, mirrors, stainless steel, polished metals, plastic, chrome & linoleum



Size	Order No.	Regular Price	SALE
18 oz	LR5014412	6.57	5.95

† Aerosol can

22881

LPS® TriFree Brake Cleaner

- Heavy-duty performance
- Instant degreasing action, no residue
- Improves brake performance
- Does not contain chlorinated solvents
- Helps stop disc brake squeal
- Fast evaporation, powerful jet spray
- Compliant to California VOC regulations



Size	Order No.	Regular Price	SALE
15 oz	LJ6003620	24.84	21.95

23672

PRIMPRO® 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
16 oz	PR0310020	46.48	41.95
1 quart	PR0310030	89.10	79.95
1 gallon	PR0310040	325.10	292.95

while supplies last

24323

DYKEM® BRITE-MARK Paint Markers

- General purpose marker that writes on almost any surface and features a precision tip for clear, distinct markings
- Quick drying, oil based paint withstands indoor and outdoor conditions
- Makes permanent bright marks on metal, rubber, plastic, glass, concrete, stone, vinyl and more
- Valve action mechanism prevents paint in barrel from drying with the cap is left off
- Drying time: 25-35 seconds



Color	Order No.	Regular Price	SALE
Blue	LL6084001	4.87	3.95
Black	LL6084002	4.87	3.95
White	LL6084003	4.87	3.95
Yellow	LL6084004	4.87	3.95
Orange	LL6084005	4.87	3.95
Red	LL6084006	4.87	3.95
Green	LL6084007	4.87	3.95

23340

WELDING

Flame Retardant Cotton Jackets

- Cotton fabric is processed and treated to be permanently flame retardant, and maintaining it for as many as 50 home washings or 25 commercial washings
- Cooler, lighter, economical solution for light exposure to sparks and spatter
- Weldmite™ 9 oz. FR cotton
- Snap front and wrist closure
- Relaxed full cut fit
- Large inside pocket
- Black anodized non-reflective snaps
- Leather reinforced snaps



Size	Chest Size	Length	Green			Black		
			Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
Medium	44"-46"	30"	RT581030M	26.88	23.95	RT581160M	40.27	35.95
Large	48"-50"	30"	RT581030L	26.88	23.95	RT581160L	40.27	35.95
X-Large	52"-54"	30"	RT581030X	26.88	23.95	RT581160X	40.27	35.95
2X-Large	56"-58"	30"	RT5810302X	27.81	24.95	RT5811602X	41.72	37.95

3137

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	6.12	4.95
3/32"	12"	10 Lb Package	60115010	HR7120130	5.79	4.95
1/8"	14"	5 Lb Package	6011605	HR7120110	5.79	4.95
1/8"	14"	10 Lb Package	60116010	HR7120140	5.42	4.95
5/32"	12"	5 Lb Package	6011705	HR7120120	5.79	4.95
5/32"	14"	10 Lb Package	60117010	HR7120150	5.42	4.95

2652

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	5.23	3.95
3/32"	10 Lb Package	60135010	HR7120180	5.23	4.70
1/8"	10 Lb Package	60136010	HR7120190	4.88	3.95

2653

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	211.61	189.95

2662

PRM PRO Mig Guns

- 4 Pin trigger connector



Wire Size	Cable Length	Series	Current	Order No.	Regular Price	SALE
0.0300" - 0.0350"	10'	Miller®	135 Amp	WE10135103035M	148.48	133.95
0.0300" - 0.0350"	10'	Tweco®	135 Amp	WE10135103035T	140.72	126.95
0.0300" - 0.0350"	15'	Miller®	250 Amp	WE10250153035M	248.68	223.95
0.0350" - 0.0450"	15'	Tweco®	250 Amp	WE10250153545T	248.68	223.95
0.0350" - 0.0450"	15'	Miller®	400 Amp	WE10400153545M	322.69	289.95
0.0350" - 0.0450"	15'	Tweco®	400 Amp	WE10400153545T	322.69	289.95

2900

SOLDER-IT INCORPORATED Cordless Pro-150 Automatic Ignition Soldering Kit

- 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 & containers fuel for up to 120 minutes of use



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.

Order No.	Regular Price	SALE
RT52PRO150K	112.48	100.95

3105

PRM PRO 17 Series Tig Torch Packages

- 150 Amp Air-cooled
- Available in two lengths, 12.5' & 25'
- * Includes flex head and power cable



Length	Includes	Order No.	Regular Price	SALE
12.5'	Power Cable, Torch, Handle, Back Cap	WE1017FV12R	119.93	107.95
25'	Power Cable, Torch, Handle, Back Cap	WE1017FV25R	143.01	128.95
25'	Power Cable, Torch, Handle, Back Cap	WE1017V25R	135.71	121.95

2901

PRM PRO 20 Series Tig Torch Packages

- 250 Amp Water-cooled



Type	Length	Includes	Order No.	Regular Price	SALE
Torch Package	12.5'	Gas & Water Hose, Power Cable, Torch, Handle, Back Cap	WE102012R	146.92	131.95
Torch Package	25'	Gas & Water Hose, Power Cable, Torch, Handle, Back Cap	WE102025	109.22	97.95
Torch Package	25'	Gas & Water Hose, Power Cable, Torch, Handle, Back Cap	WE102025R	208.38	187.95
Flex Torch Package	25'	Gas & Water Hose, Power Cable, Torch, Handle, Back Cap	WE1020F25R	209.13	187.95

2903

Fiberglass Welding Blankets

Toughguard 18 oz. Fiberglass

- Resists heat up to 1000°
- Effective protection in light to medium duty applications
- Blankets are grommeted on all four sides
- Also used as a heat stress blanket in heat treating applications



Width	Length	Color	Order No.	Regular Price	SALE
-	6 feet	Tan	RT5837246	40.89	36.95
-	8 feet	Tan	RT5837286	41.92	37.95
-	10 feet	Tan	RT5837208	82.40	73.95

3135

LINCOLN ELECTRIC Bloodshot Welding Helmet Kit

- Rugged yet lightweight auto-darkening welding helmet in an eye-catching Bloodshot graphic pattern
- Super fast 1/25,000 switch time
- Helmet has 9-13 variable shades
- Kit comes with a pair of welding gloves, a welding magnet, a flat soapstone holder with 3 additional stones, a wire welding brush, and a chipping hammer



Window Style	Color	View Width	View Height	Order No.	Regular Price	SALE
Variable/Auto Darkening	Red/Black	3.82"	1-3/4"	LE01KH978	150.03	134.95

Sale pricing subject to change by mfg as of printing

29136

TITAN Auto Darkening Welding Helmet

- Durable, light weight nylon material
- Protects against UV and infrared radiation in variable shades from DIN9 to DIN1
- Lens automatically darkens when arc is struck and returns to normal when welding stops
- Powered by solar cells with battery back-up
- 3.85" x 1.70" Viewing area
- Switching time: Light to Dark 0.000033 seconds



Color	Order No.	Regular Price	SALE
Red	KP8241260	156.88	140.95

3180

TITAN Solar Powered Auto Darkening Welding Helmet

- Graphics: Pin-up girl
- Durable, light weight material is corrosion resistant and flame retardant
- Lens automatically darkens when arc is struck and returns to normal when welding stops
- Powered by solar cells with 2 built in 3V lithium battery back-up
- 3.86" x 2.17" Viewing area
- Special turnover headband mechanism allows for greater comfort and reduces fatigue



Order No.	Regular Price	SALE
KP8241288	175.60	157.95

25287

TITAN Solar Powered Auto Darkening Welding Helmet

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



KP8241265

KP8241266

Helmet Graphics	Order No.	Regular Price	SALE
Eagle/Flag	KP8241265	175.60	157.95
Flames	KP8241266	175.60	157.95

28646

RPB Z-Link+ & Z-Link Respirator Kits for Welding & Grinding

The RPB® Z-Link® is the most versatile respirator on the market serving the widest spectrum of industries and applications from welding and grinding, to chemical handling. With countless customizations you can wear it your way. Add, change, or remove features as you choose including five visor types, five cape types, fully adjustable head suspension with five points of adjustment, adjustable airflow, and four additional optional accessories.

- Visor lifter to easily raise and lower the welding visor with large opening.
- Z-Link + for Welding/Grinding & Z-Link for Grinding only
- For extended periods of grinding the visor is easily removed at the hinge points.
- Fixed jaw ensures secure cape attachment.
- Replaceable impact lens and removable ADF lens.
- Anti-fog and scratch resistant ANSI Z87+ visors
- Zytec® Material



RS01Z1315

RS01Z1245

RS011601812

RS01Z1310

Includes	ManufacturerNo	Order No.	Regular Price	SALE
Z-Link Kit - FR Face Seal & C40	16-015-11	RS01Z1245	1089.15	979.95
Z-Link Kit - Face Seal & PX5	16-018-12	RS011601812	1725.18	1552.95
Z-Link+ Kit - FR Face Seal & PX5	16-078-11-FR	RS01Z1310	2209.11	1987.95
Z-Link+ Kit - FR Cape & PX5	16-078-21-FR	RS01Z1315	2222.17	1999.95

29978

IRWIN VISE-GRIP Welding Clamp

- U-shaped jaws provide enhanced visibility and more working space
- Holds work in proper alignment •For use in welding applications or for holding awkward shapes in place
- Turn screw to adjust pressure and fit work. Stays adjusted for repetitive use
- Constructed of high-grade heat-treated alloy steel for maximum toughness and durability
- Classic trigger release designed to provide maximum locking force



Length	Jaw Width	Throat Depth	Order No.	Regular Price	SALE
9"	2 3/4"	1 5/8"	KX509R	34.64	30.95

6810

POWER TOOLS

DEWALT 20V MAX 1/2 Gallon Wet/Dry Portable Vac Kit

- Gore™ HEPA wet/dry filter traps 99.97% of dust at 0.3 microns
- 1/2 gallon tank with heavy-duty latch
- Heavy-duty rubber hose provides durability and flexibility
- Runs off of 20V MAX DeWalt battery packs
- Dual clean-up modes allow for debris removal with either the front utility nozzle or extendable rubber hose
- Washable filter; Tap or water rinse to clean
- Large on/off switch
- DCB204 Battery
- DCB115 Charger



Horsepower	Sealed Pressure	Voltage	Weight	Order No.	Regular Price	SALE
0.3 hp	24.59"	20 V	7.75 lbs	PD20DCV517M1	322.60	289.95

2555

LENOX Speed Slot Hole Saws

- Unique tooth shape evenly distributes cutting force over a wider area of the tooth
- Patented variable tooth set and height ensure that each tooth works independently, with super efficiency
- Virtually indestructible



Model No	Cutting Diameter	Arbor Style	Order No.	Regular Price	SALE
10L	5/8"	1L 4L 5L	FX9030010	10.96	9.95
11L	11/16"	1L 4L 5L	FX9030011	10.96	9.95
12L	3/4"	1L 4L 5L	FX9030012	10.96	9.95
13L	13/16"	1L 4L 5L	FX9030013	10.96	9.95
14L	7/8"	1L 4L 5L	FX9030014	10.96	9.95
15L	15/16"	1L 4L 5L	FX9030015	10.96	9.95
16L	1"	1L 4L 5L	FX9030016	11.79	10.95
17L	1-1/16"	1L 4L 5L	FX9030017	11.79	10.95
18L	1-1/8"	1L 4L 5L	FX9030018	11.79	10.95
19L	1-3/16"	1L 4L 5L	FX9030019	11.79	10.95
20L	1-1/4"	2L 3L 6L	FX9030020	11.79	10.95
21L	1-5/16"	2L 3L 6L	FX9030021	11.79	10.95
22L	1-3/8"	2L 3L 6L	FX9030022	12.64	10.95
23L	1-7/16"	2L 3L 6L	FX9030023	12.64	10.95
24L	1-1/2"	2L 3L 6L 7L	FX9030024	12.64	10.95
25L	1-9/16"	2L 3L 6L 7L	FX9030025	12.64	10.95
26L	1-5/8"	2L 3L 6L 7L	FX9030026	12.64	10.95
27L	1-11/16"	2L 3L 6L 7L	FX9030027	12.64	10.95
28L	1-3/4"	2L 3L 6L 7L	FX9030028	15.60	13.95
29L	1-13/16"	2L 3L 6L 7L	FX9030029	15.60	13.95
30L	1-7/8"	2L 3L 6L 7L	FX9030030	15.60	13.95
32L	2"	2L 3L 6L 7L	FX9030032	15.60	13.95
33L	2-1/16"	2L 3L 6L 7L	FX9030033	18.99	16.95
34L	2-1/8"	2L 3L 6L 7L	FX9030034	18.99	16.95
36L	2-1/4"	2L 3L 6L 7L	FX9030036	18.99	16.95
38L	2-3/8"	2L 3L 6L 7L	FX9030038	18.99	16.95
40L	2-1/2"	2L 3L 6L 7L	FX9030040	20.25	17.95
41L	2-9/16"	2L 3L 6L 7L	FX9030041	20.25	17.95
42L	2-5/8"	2L 3L 6L 7L	FX9030042	20.25	17.95
43L	2-11/16"	2L 3L 6L 7L	FX9030043	20.25	17.95
44L	2-3/4"	2L 3L 6L 7L	FX9030044	20.25	17.95
46L	2-7/8"	2L 3L 6L 7L	FX9030046	20.25	17.95
48L	3"	2L 3L 6L 7L	FX9030048	21.07	18.95
50L	3-1/8"	2L 3L 6L 7L	FX9030050	21.50	18.95
54L	3-3/8"	2L 3L 6L 7L	FX9030054	21.50	18.95
56L	3-1/2"	2L 3L 6L 7L	FX9030056	21.50	18.95
58L	3-5/8"	2L 3L 6L 7L	FX9030058	24.85	21.95
60L	3-3/4"	2L 3L 6L 7L	FX9030060	29.52	26.95
62L	3-7/8"	2L 3L 6L 7L	FX9030062	30.82	27.95
64L	4"	2L 3L 6L 7L	FX9030064	31.64	27.95
66L	4-1/8"	2L 3L 6L 7L	FX9030066	34.62	30.95
68L	4-1/4"	2L 3L 6L 7L	FX9030068	45.17	40.95
72L	4-1/2"	2L 3L 6L 7L	FX9030072	62.07	55.95
74L	4-5/8"	2L 3L 6L 7L	FX9030074	66.27	59.95
76L	4-3/4"	2L 3L 6L 7L	FX9030076	69.24	61.95
70L	4-3/8"	2L 3L 6L 7L	FX9030070	54.45	48.95
80L	5"	2L 3L 6L 7L	FX9030080	73.87	65.95
88L	5-1/2"	2L 3L 6L 7L	FX9030088	76.01	67.95
96L	6"	2L 3L 6L 7L	FX9030096	77.72	69.95

2270

COBBLE Pedestal Spring Rewind Reels

- Sturdy single pedestal reel with space saving design facilitates workplace organization
- Guide arm adjusts to wall, floor, vehicle and overhead positions
- Solid one piece, heavy gauge 1/4" steel base and support post for maximum stability
- 1" Solid steel axle and lubricated precision bearings for smooth rotation



EZ-Coil

Spring Driven

EZ-Coil						
Hose ID	Hose Length	Width	Length	Height	Order No.	Regular Price SALE
1/4"	25 Feet	17-1/8"	18-5/8"	7"	LT55EZPLP125	369.77 332.95
3/8"	25 Feet	13-1/2"	14-7/8"	8-1/2"	LT55EZPLP325	395.52 355.95
3/8"	50 Feet	13-1/2"	14-7/4"	8-1/2"	LT55EZPLP350	515.00 463.95
1/2"	50 Feet	15-1/4"	16-1/2"	6"	LT55EZPLP450	570.62 513.95

Spring Driven						
Hose ID	Hose Length	Width	Length	Height	Order No.	Regular Price SALE
1/4"	25 Feet	19-1/2"	21-1/4"	10-1/4"	LT55PLP125	285.31 256.95
3/8"	25 Feet	19-1/2"	21-1/4"	8-1/4"	LT55PLP325	311.06 279.95
3/8"	50 Feet	24"	25-1/2"	9-3/8"	LT55PLP350	430.54 386.95
1/2"	50 Feet	19-1/2"	21-1/4"	9-3/8"	LT55PLP450	486.16 437.95

2073

BAHCO Portable Bandsaw Blades

Bi-Metal M-42 Wavy Tooth

- M42 material ensures longer life on all materials
- 44-7/8 Length
- Wavy tooth design provides smoother cutting and better harmonics
- 5-Pack sleeve provides better efficiencies, saves time, improves productivity (priced each sold in multiples of 5)



Width (W)	Thickness (H)	Teeth per Inch (TPI)	Order No.	Regular Price	SALE
1/2"	0.02"	10 W	FX848230319	10.92	9.95
1/2"	0.02"	14 W	FX848230326	11.12	9.95
1/2"	0.02"	18 W	FX848230333	10.92	9.95
1/2"	0.02"	10/14 VT	FX848230357	11.18	9.95
1/2"	0.02"	14/18 VT	FX848230364	11.12	9.95

2327

DEWALT 5 IN. 20V MAX XR® ANGLE GRINDER WITH KICKBACK BRAKE

- Brushless motor requires no brush changes
- Kickback Brake engages when a pinch, stall, or bind-u... will shut off includes E-CLUTCH® / OVERLOAD PROTECTION



- POWER-LOSS RESET® - The On/OFF trigger switch has a no-volt release function
- Two stage trigger requires two actions to activate tool
- Paddle Switch
- Tool only... battery and charger sold separately
- Includes: Side Handle, Hex Key, Inner and outer flange, 4.5 in. type 27 guard

Spindle Size	Voltage	Disc Diameter	Model No	Order No.	Regular Price	SALE
5/8"-11	20 V	5"	DCG413FB	PD20DCG413FB	470.07	422.95

30735

DEWALT 4.5 IN. 20V MAX XR® PADDLE SWITCH SMALL ANGLE GRINDER KIT

- Brushless motor that elongates motor life and requires no time changing out worn brushes
- Brake stops wheel in 2 seconds or less on average
- Kickback Brake engages maximum force to stop the wheel when there is a pinch, stall, or bind-up to reduce kickback, and will shut off for further protection.... Features E-Switch Protection™
- Two stage trigger requires two actions to activate tool
- PINCLUDES: Grinder, Side Handle, Hex Key, Inner and outer flange, 4.5 in. type 27 guard, 6.0 AH DCB206 Batteries Qty 2, Charger DCB115, Kitbag



Spindle Size	Model No	Order No.	Regular Price	SALE
5/8"-11	DCG413R2	PD20DCG413R2	577.83	519.95

30736

DEWALT FLEXVOLT® 60V MAX* BRUSHLESS 4-1/2 IN. - 6 IN. CORDLESS GRINDER

- 13 Amp motor equivalent power 9000 rpm no-load speed for applications with 6 in. grinder wheels
- Brake engages when trigger is released with stopping speeds of 1.5 seconds
- E-CLUTCH® activates in less than a tenth of a second when a pinch/stall is detected, shutting down the motor up to 30% more power vs the DCG414 Grinder
- Tool Only.... battery and charger sold separately
- Spindle lock
- Includes: DCG418 60V MAX* Brushless 4-1/2 in. - 6 in. Cordless Grinder, (1) Wrench, (2) Flanges, Side Handle, (1) 4-1/2 in. (115mm) Type 27 Guard, (1) 6 in. (150mm) Type 27 Guard



Spindle Size	Voltage	Maximum RPM	Type of Power	Order No.	Regular Price	SALE
5/8"-11	60 V	9,000	Cordless	PD20DCG418B	348.85	313.95

30737

Chicago Pneumatic Air Powered Die Grinders

- Mini angle grinder compact
- Lightweight design
- 90° angle head allows flexibility in confined areas



Type	Maximum RPM	Average Air Consumption	Air Inlet Size	Collet/Chuck	Exhaust Type	Order No.	Regular Price	SALE
Right Angle	22,500	11 CFM	1/4" NPT	1/4" 6 mm	Front	PF50CP875	157.65	109.95

22943

DYNABRAGE 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	982.66	883.95

2149

PRM PRO Air Die Grinders

- Lever throttle for positive speed control
- Rear exhaust
- Rec. air pressure @ 90 PSI
- Collet size: 1/4"
- Collet wrenches included



Type	Features and Benefits	Maximum RPM	Average Air Consumption	Air Inlet Size	Order No.	Regular Price	SALE
Right Angle	Lever throttle for positive speed control, complete with collet wrenches	20,000	4 CFM	1/4" NPT	PJ60SM522	68.39	61.95
Straight	All ball bearing construction, lever throttle for positive speed control, complete with collet wrenches	22,000	4 CFM	1/4" NPT	PJ60DG1	40.38	35.95
Straight	Extended heavy duty spindle, lever type throttle	22,000	16 CFM	1/4" NPT	PJ60RG38A	118.04	105.95

22669

SILOUX 1HP Str Die Grinder

- Lockoff lever and twist throttle. Front or rear exhaust. Built-in speed control.



Collet/Chuck	Horse-power	Maximum RPM	Exhaust Type	Air Inlet Size	Average Air Consumption	Manufacturer No	Order No.	Regular Price	SALE
1/4"	1 hp	25,000	Front	1/4" NPT	30 CFM	SDG10S25F	ST3716620	402.42	361.95

30607

SILOUX 0.3HP Right Angle Die Grinder

- Lockoff Lever. Rear Exhaust. Built-in Speed Control
- Power: 0.3 hp (022 kW) - 1hp (0.75 W)
- Speed: 12,000 rpm - 23,000 rpm
- Collet Size: 1/4" & 6 mm



Collet/Chuck	Horse-power	Maximum RPM	Exhaust Type	Air Inlet Size	Average Air Consumption	Overall Length	Manufacturer No	Order No.	Regular Price	SALE
1/4"	0.3 hp	12,000	Rear	1/4" NPT	11 CFM	5-5/8"	SAG03S12	ST3713070	522.31	469.95

30610

DEWALT 20V MAX* XR® BRUSHLESS CORDLESS 3-SPEED OSCILLATING MULTI-TOOL

- The 3-speed selector allows users to choose their speed setting based on application
- Brushless motor delivers up to 57% more runtime over brushed
- Dual-Grip variable-speed trigger gives users ultimate speed and application control
- Universal accessory adapter for use with most oscillating tool accessory brands
- Quick-Change accessory system allows blades and attachments to be changed quickly without wrenches
- Bright LED illuminates dark work surfaces for accurate cutting
- Tool only.... battery and charger sold separately
- Includes: DCS356 20V MAX* XR® Brushless Cordless Oscillating Multi-Tool, Wood with Nails Blade, Fast-Cut Wood Blade, Universal Accessory Adaptor



Type	Model No	Order No.	Regular Price	SALE
Oscillating	DCS356B	PD20DCS356B	220.34	197.95

30740

DYNABRAGE 5" Dynorbital-Spirit™ Non Vacuum Random Orbital Sander

Model 59020

- Incorporates the latest engineering and manufacturing technology to create the lightest sander on the market today
- New 3-1/2" low profile design, improves control and offers greater operator visibility
- Easily replaceable drop-in motor

Specifications:

- Weight: 1.4 lbs, 75 dB(A)
- .25 HP @ 12,00 RPM
- 3/16" Diameter orbit
- Includes perfectly balanced weight-mated pad - the ultimate in swirl-free finishes



Disc Diameter	Type of Power	Air Inlet Size	Maximum RPM	Horse-power	Model No	Order No.	Regular Price	SALE
5"	Pneumatic	1/4" NPT	12,000	0.25 hp	59020	PF3359020	328.23	294.95

2180

PRM PRO 5" Air Powered High-Speed Sander

- Industrial quality standard
- Dependable long-life cycle
- Comes with sanding pad sizes 3", 4-1/2" & 5-1/2"
- Contoured trigger throttle for steady control
- Solid well-designed construction



Maximum RPM	Air Inlet Size	Spindle Thread	Average Air Consumption	Order No.	Regular Price	SALE
18,000	1/4" NPT	7/16"-20	17 CFM	PJ707600	51.80	46.95

30910

SILOUX 0.25HP 5 Pad Orbital Sander

- Built-in Speed Control. Ergonomic 24-Position Indexable Grip. 3/32" (3 mm), 3/16" (5 mm) & 3/8" (10 mm) Orbit Diameters.



Type	Spindle Thread	Disc Diameter	Air Inlet Size	Average Air Consumption	Maximum RPM	Manufacturer No	Order No.	Regular Price	SALE
Air	5/16"-24	5"	1/4" NPT	13 CFM	12,000	RO2512-50SNP	ST3712790	355.97	319.95

30608

POWER TOOLS



Long Series Air Guns

- 1/4" NPT inlet
- Maximum operating pressure 120 PSI
- Ideal for reaching inaccessible or difficult to reach locations
- Meets OSHA standards
- UPS dimensional weight shipping rates apply
- **Blo-Hard Safety Air Gun - Model 900LJ** compact, thumb lever operated air gun fits comfortably in the palm of the hand
- **Long John® Safety Air Gun - Model 75LJ** venturi tip increases thrust & limits static pressure to less than 30 psi when tip is blocked
- **Whisper Jet® Air Gun - Model 80LJ** operates 6-20 dB quieter than conventional air guns

Blo-Hard Air Blow Gun



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"	LW5575LJ6	36.21	32.95	LW5580LJ6	38.95	34.95	LW55900LJ6	31.60	27.95
12"	LW5575LJ12	37.96	33.95	LW5580LJ12	40.71	36.95	LW55900LJ12	33.01	29.95
18"	LW5575LJ18	39.73	35.95	LW5580LJ18	42.47	37.95	LW55900LJ18	34.41	30.95
24"	LW5575LJ24	41.49	36.95	LW5580LJ24	44.22	38.95	LW55900LJ24	35.82	31.95
36"	LW5575LJ36	45.00	40.95	LW5580LJ36	47.74	42.95	LW55900LJ36	38.64	34.95
48"	LW5575LJ48	48.52	43.95	LW5580LJ48	51.25	45.95	LW55900LJ48	41.45	36.95
60"	LW5575LJ60	52.04	46.95	LW5580LJ60	54.78	48.95	LW55900LJ60	44.25	39.95
72"	LW5575LJ72	55.55	49.95	LW5580LJ72	58.29	51.95	LW55900LJ72	47.06	41.95

AIRCAT® Chicago Pneumatic PRM PRO JET Air Powered Angle Impact Wrenches - 1/2" Drive



Brand-Name	Drive	Features	Average Air Consumption	Air Inlet Size	Order No.	Regular Price	SALE
AirCat	1/2"	Pistol Grip Handle, Impact Twin Clutch, Reversible	8 CFM	1/4" NPT	PF541150	440.39	395.95
AirCat	1/2"	Hard hitting twin hammer mechanism, 725 ft-lb max. Torque. Designed for tire shops to operate up to 125 psi air pressure. Improved design ergonomic grip provides maximum operating comfort. Cross bolt style forward/reverse with built-in regulator. Triple heat treated alloy steel hammers, hammer cage & anvil. Reliable throttle design with tease trigger	8.00 CFM	1/4" NPT	PF541460XL	258.35	232.95
PRM Pro	1/2"	Fully reversible, complete torque control, vinyl cover for protection of housing, rocking dog clutch, 9-piece impact socket set, 1/2" U-joint, 5" extension, 228 ft/lbs of torque @ 90 PSI	15.00 CFM	1/4" NPT	PJ6018500S2	128.99	115.95
PRM Pro	1/2"	Fully reversible, complete torque control, vinyl cover for protection of housing, rocking dog clutch, 229 ft/lbs of torque @ 90 PSI	15.00 CFM	1/4" NPT	PJ707225	66.32	59.95
PRM Pro	1/2"	Easy access reversing switch, urethane nose cover to protect housing, up to 5/8" bolt capacity, 279 ft/lbs of torque @ 90 PSI	23.00 CFM	1/4" NPT	PJ707250	128.51	115.95
Chicago Pneumatic	1/2"	CP pioneered rocking dog clutch, friction type of socket retainer, working torque range of 360-595 ft/lbs	6.25 CFM	1/4" NPT	PF-50CP6500RSR	571.16	513.95
Chicago Pneumatic	1/2"	Dyna-Pact oil bath clutch, one hand push button forward/reverse, 4 power settings in forward and ultimate power in reverse, handle exhaust with 360 air inlet, comfort contoured handle grip	3.75 CFM	1/4" NPT	PF50CP734H	406.08	283.95
Chicago Pneumatic	1/2"	CP patented clutch, one hand reverse button with 4 power settings, ring socket retainer, working torque range of 50-450 ft/lbs	5.50 CFM	1/4" NPT	PF50CP749	534.12	373.95
Chicago Pneumatic	1/2"	Steel clutch housing, twin dog clutch, 4 forward power settings plus max reverse power, ergonomic grip, 625 max torque ft/lbs	25.40 CFM	1/4" NPT	PF50CP8252	381.83	343.95
Chicago Pneumatic	1/2"	Steel clutch housing, ring type of socket retainer, rugged 3 piece construction, working torque range of 25-320 ft/lbs	13.00 CFM	1/4" NPT	PF50CP9541	439.26	394.95
Chicago Pneumatic	1/2"	Pin clutch in oil bath, steel clutch housing, pin type socket retainer rugged 3 piece construction, working torque range of 25-320 ft/lbs	13.00 CFM	1/4" NPT	PF50CP9542	439.26	394.95
AirCat	1/2"	Refined design twin hammer increases blow frequency and blow efficiency, 800 ft-lb max. torque, very fast throw development, 9,000 RPM free speed provides fast run-down, six position power management switch in back cap provides, great balance & handling comfort, brushed aluminum housing finish	8 CFM	1/4" NPT	PF541450	327.77	294.95
JET	1/2"	Pinless hammer impact mechanism conveys power to the anvil, lightweight aluminum construction, one-hand forward/reverse button	4 CFM	1/4" NPT	PJ80505102	132.86	128.99
JET	1/2"	Twin Hammer impact mechanism, compact design, ergonomically designed grip, lightweight aluminum construction, 960 ft/lbs maximum break away torque	5 CFM	1/4" NPT	PJ80505107	165.82	161.99
Sioux Tool	1/2"	High power to weight ratio. forged aluminum anvil housing. One hand forward/reverse operation. Working torque 100-625 ft/lbs. Maximum torque 780 ft/lbs. Bolt capacity 5/8" Blows per minute 1200, 9400 RPM.	4 CFM	1/4" NPT	ST3712350	557.64	501.95
Universal Tool	1/2"	Twin hammer, 800 ft/lb max torque, built in power management and reverse/forward switch, triple heat treated alloy steel hammer, anvil and cage	7.3 CFM	1/4" NPT	PF52UT8160R	664.47	597.95



Safety and Blind Hole Air Guns

- Ergonomic pistol grip and trigger eliminates hand fatigue
- 1/4" NPT inlet
- Maximum operating pressure 120 PSI
- Meets OSHA standards



Tip Type	Features	Model No	Order No.	Regular Price	SALE
Blind Hole	Delivers a high velocity jet of air into deep crevices & blind holes (down to 1/8" dia.) to flush out chips and dirt	74BH006Z	LW5574BH	36.40	32.95
Jet Guard	Safety air shield protects workers from hazardous chip fly-back	74SK	LW5574SK	33.55	29.95
Conical	Unique nozzle design reduces noise levels 6-20 dB less than conventional air guns	80WJ	LW5580WJ	33.07	29.95

SIoux 1HP 1/2 Pistol Grip Drill

- Design for high volume industrial production
- Advanced motor and clutch holds-up in the toughest working environments
- Chuck capacity of 1/2-inch and has free speed of 2600-rpm
- Ergonomic Rubber Grip offers increased operator comfort
- Power: 0.4 hp (0.30kW) - 1 hp (0.75kW)
- Speed Range 300 rpm - 23,000 rpm
- Chuck Capacity: 1/4" (6mm) - 1/2" (13mm)



Chuck Style	Drill Capacity	Exhaust Type	Air Inlet Size	Chuck Size	ManufacturerNo	Order No.	Regular Price	SALE
Keyed	1/2"	Handle	1/4" NPT	1/2"	SDR10P26N4	ST3717380	487.19	437.95

DEWALT 20V MAX 1/2" IMPACT WRENCH

- Dual LEDs help illuminate the work surface
- Variable-speed dial allows the user to match speed of the router to the application
- Depth adjustment ring allows for fast and easy height adjustments
- Soft start motor with full-time electronic feedback allows the motor to maintain speed during cuts
- Electronic brake slows the motor down faster after the unit is shut off
- Tool only.... battery and charger not included
- Router Motor, Fixed Base, Instruction Manual, Wrench



Drive	Maximum RPM	Battery and Charger	Model No	Order No.	Regular Price	SALE
1/2"	0-2,300	Not Included	DCF880B	PD20DCF880B	214.16	192.95

DEWALT 20V MAX XR® HIGH TORQUE IMPACT WRENCH

- Up to 700 ft-lbs of max torque and 1200 ft-lbs of max breakaway torque
- Compact design of 8-13/16 in. in length
- Multi-speed control for a variety of applications (0-400/1,200/1,900 rpm)
- 1/2 in. Anvil with detent pin
- LED with 20-second delay for increased visibility
- 3 LEDs with 20-second delay after trigger release, provide visibility without shadows
- Tool only (batteries and charger sold separately)



Drive	Maximum RPM	Model No	Order No.	Regular Price	SALE
1/2"	400 / 1,200 / 1,900	DCF899B	PD20DCF899B	348.85	313.95

DEWALT FLEXVOLT® 60V MAX* BRUSHLESS 7-1/4 IN. CIRCULAR SAW

- Up to 47% more power vs the DCS575
- Maximum cut depth of 2-9/16 in. at a 90° bevel
- Maximum bevel capacity of 57° with bevel stops at 22.5° and 45°
- Electric brake stops the blade after the trigger is released
- Integrated LED for increased visibility and cut accuracy
- Integrated rafter hook for quick and easy storage
- Tool only.....battery and charger sold separately
- Includes: (1) DCS578 60V MAX* Brushless 7-1/2 in. Cordless Circular Saw, (1) Blade, (1) Blade Wren



Model No	Order No.	Regular Price	SALE
DCS578B	PD20DCS578B	350.76	315.95

DEWALT FLEXVOLT® 60V MAX* BRUSHLESS 7-1/4 IN. CORDLESS CIRCULAR SAW WITH BRAKE KIT

- Up to 47% more power vs the DCS575**
- Uses a 7-1/4 in. circular saw blade and features a maximum cut depth of 2-9/16 in. at a 90° bevel
- Maximum bevel capacity of 57° with bevel stops at 22.5° and 45°
- Electric brake stops the blade after the trigger is released
- Integrated LED for increased visibility and cut accuracy
- Integrated rafter hook for quick and easy storage
- 2-batteries and charger included
- (1) DCS578 60V MAX* Brushless 7-1/2 in. Cordless Circular Saw, (1) Blade, (1) Blade Wrench, (1) Charger, (2) DCB609 FLEXVOLT® 9.0Ah Battery (1) Kit Bag



Model No	Order No.	Regular Price	SALE
DCS578X2	PD20DCS578X2	697.88	627.95

30742

DEWALT FLEXVOLT® 60V MAX* 7-1/4" BRUSHLESS CORDLESS RECIPROCATING SAW

- **FASTER CUTTING:** Powerful brushless motor delivers 5,500 RPM for faster cutting... UP TO 77% MORE POWER** when paired with FLEXVOLT® batteries
- **ELECTRIC BRAKE** stops the blade after the trigger is released
- **INCREASED VISIBILITY:** Bright LED increases visibility and cut accuracy
- **EASY STORAGE:** Integrated rafter hook for quick and easy storage
- **Tool Connect™ Chip Ready:** Chip pocket accepts Tool Connect™ Chip DCE042 and connects with Tool Connect™ Site Manager app for easy asset management on the jobsite. (DCE042 sold separately)
- **COMPATIBLE** with all DEWALT® 20V MAX* and FLEXVOLT® Batteries
- **MINIMIZES DUST:** Optional dust port allows connection to a dust extractor to minimize dust during cutting (DWE575DC Dust Port sold separately)
- Tool only.....battery and charger sold separately
- Includes: (1) DCS573 20V MAX* 7-1/4 in. Brushless Cordless Circular Saw, (1) DWA171424 Saw Blade, (1) Blade Change Wrench



Model No	Order No.	Regular Price	SALE
DCS573B	PD20DCS573B	352.05	316.95

30743

DEWALT FLEXVOLT® 60V MAX* BRUSHLESS CORDLESS RECIPROCATING SAW

- Power of corded with the freedom of cordless
- 0 - 3000 spm and 1-1/8 in. stroke length for fast and efficient cutting
- Keyless lever-action blade clamp for quick and easy blade changes
- Variable-speed trigger allows user to instantly control speed
- Pivoting shoe provides leverage for different applications
- LED helps illuminate dark jobsite work areas
- Tool only.... battery and charger sold separately
- Includes: (1) DCS389 60V MAX* Brushless Cordless Reciprocating Saw, (1) Blade



Strokes per Minute	Model No	Order No.	Regular Price	SALE
3,000 SPM	DCS389B	PD20DCS389B	367.59	330.95

30745

DEWALT 20V MAX* BRUSHLESS DRYWALL SCREWGUN & CUT-OUT TOOL COMBO KIT (2.0AH)

- Screwgun with 4,400 rpm brushless motor provides corded performance without the cord
- Both tools have DEWALT built motors that deliver maximum run-time
- Screwgun is balanced and ergonomic - comparable to the DW272 DEWALT corded screwgun
- Cut-out tool provides a durable dust sealed switch to protect the life of the tool and 26,000 rpm
- Both tools have bright LEDs to provide greater visibility
- Includes: (1) DCF620 20V MAX* XR® Li-Ion Brushless Drywall Screwgun - Tool, (1) DCS551 20V MAX* XR Li-Ion Cordless Cut-out Tool, (2) DCB203: 20V MAX* Compact Li-Ion Batteries (2.0 Ah), (1) DCB112 - Multi-voltage charger



Type	Model No	Order No.	Regular Price	SALE
Screwgun & Cut-Out Tool Combo Kit	DCG263D2	PD20DCK263D2	437.78	393.95

30738

DEWALT 20V MAX* CORDLESS BRUSHLESS XR® DRYWALL SCREWGUN & IMPACT DRIVER KIT (4.0AH)

- Built brushless motor in both units that delivers maximum run time
- XR® Li-Ion batteries with fuel gauge provide 33% more capacity over standard packs
- Impact driver has compact and lightweight designed to fit into tight areas
- Screwgun has up to 4,400 rpm provides greater speed, a better balanced and ergonomic than DW272 corded screwgun
- Impact driver has one-handed loading 1/4" hex chuck accepts 1" bit-tips
- Belt hook included on both units for portability as well as LEDs for increased visibility
- 3-speed settings on impact driver for optimized application versatility
- Precision drive in speed 1 for precision applications and added control
- Includes: DCF620 20V MAX* XR® Drywall Screwgun, DCF887 20V MAX* XR® 1/4" 3-Speed Impact Driver, (2) DCB204 20V MAX* XR 4.0AH Battery Pack, Charger, Contractor Bag, (2) Belt Clips



Type	Model No	Order No.	Regular Price	SALE
Screwgun & Impact Wrench Kit	DCK267M2	PD20DCK267M2	540.29	485.95

30739

DREMEL® Rotary Tool Kit Model 3000-1/24

- Variable speed 5,000-32,000 RPM
- EZ Twist™ nose cap with wrench for fast accessory changes
- Cool-running ball bearing construction for smooth and quiet operation
- Replaceable motor brushes extend tool life
- Can be used with all Dremel rotary tool accessories and most attachments
- 2 Year warranty



Order No.	Regular Price	SALE
PH503000124	128.06	114.95

2108

DREMEL® High Performance Rotary Tool Kit Model 4000-2/30

- The Dremel 4000 variable speed rotary tool offers the highest performance and most versatility of all Dremel rotary tools-increased motor strength plus electronic feedback circuitry enables consistent performance at all speed levels
- Uses all existing Dremel accessories and attachments plus high performance attachments to complete the widest range of projects
- Slim, ergonomic body provides a 360° grip zone
- Circle cutter/straight edge guide
- Sanding/grinding guide
- Storage case
- Includes 30 genuine Dremel accessories
- Quick start book



Order No.	Regular Price	SALE
PH504000230	157.10	140.95

2109

DEWALT 20V MAX* XR® BRUSHLESS CORDLESS COMPACT ROUTER

- Dual LEDs help illuminate the work surface
- Variable-speed dial allows the user to match speed of the router to the application
- Depth adjustment ring allows for fast and easy height adjustments
- Soft start motor with full-time electronic feedback allows the motor to maintain speed during cuts
- Electronic brake slows the motor down faster after the unit is shut off
- Tool only.... battery and charger not included
- Router Motor, Fixed Base, Instruction Manual, Wrench



Model No	Order No.	Regular Price	SALE
DCW600B	PD20DCW600B	278.70	250.95

30750

Superior Glove



Contender™ Knit Cut-Resistant Gloves

- Advanced composite yarn provides 360 cut protection
- 7-gauge composite filament fiber wrapped in aramid
- Unique spinning process helps cut and abrasion resistance stay consistent over entire surface for the lifespan of the glove
- Excellent comfort, dexterity and fit in a seamless string knit
- Latex free



Size	Cut Rating	ManufacturerNo	Order No.	Regular Price	SALE
Medium	ANSI A6	SPGRK/M	SG021160	8.12	6.95
Large	ANSI A6	SPGRK/L	SG021165	8.12	6.95
X-Large	ANSI A6	SPGRK/XL	SG021170	8.12	6.95

30679



TenActiv™ Composite Knit Cut-Resistant Gloves with Polyurethane Palms

- TenActiv™ glove features fine 13-gauge lint-free continuous filament yarn that is stronger than steel on an equal-weight basis
- Snug fitting, breathable, flexible, and ergonomically shaped
- Black polyurethane palm coating offers excellent dexterity and tactile sensitivity at the same time providing comfort and grip



Size	Cut Rating	ManufacturerNo	Order No.	Regular Price	SALE
Medium	ANSI A3	S13TAFGPU8	SG021705	6.31	5.95
Large	ANSI A3	S13TAFGPU9	SG021710	6.31	5.95
XL	ANSI A3	S13TAGPUE10	SG021715	5.28	4.95

30681



TenActiv™ Composite Filament Fiber Cut-Resistant Knit with Black Polyurethane Palms

- Lint-free, continuous filament yarn that is stronger than steel on an equal-weight basis
- High-strength composite filament fiber prevents yarn from poking through the hand or causing itchiness
- Low-shedding polyurethane palm coating provides great grip and excellent tactile feel
- The black glove body is designed to hide dirt to save you money on laundering costs over time



Size	Cut Rating	ManufacturerNo	Order No.	Regular Price	SALE
Medium	ANSI A4	STAGBPU-8	SG021720	6.95	5.95
Large	ANSI A4	STAGBPU-9	SG021725	6.95	5.95
X-Large	ANSI A4	STAGBPU-10	SG021730	6.95	5.95

30683



Endura® Cut-Resistant Arc Flash Goat-Grain Driver Glove

- Soft and lightweight driver-style, goat grain leather glove is fully lined with a blended Kevlar/composite filament fiber for ANSI level A4 cut protection
- We've used a cut-and-sewn knit for optimal fit and eliminate bunching in areas like the thumb
- Goatskin has high-tensile strength and abrasion-resistant properties and is often referred to as nature's strongest leather
- The cut-and-sewn liner dons much more easily than a seamless knit, since it is tailored to the hand
- Keystone thumb provides extra durability
- Arc flash testing placed these gloves at level 3, with an Arc Thermal Performance Value (ATPV) of 36 cal/cm²



Size	Cut Rating	ManufacturerNo	Order No.	Regular Price	SALE
Medium	ANSI A4	378GKGEM	SG021455	18.67	16.95
Large	ANSI A4	378GKGEL	SG021460	18.67	16.95
X-Large	ANSI A4	378GKGEXL	SG021465	18.67	16.95
2X-Large	ANSI A4	378GKGEXXL	SG021470	18.67	16.95

Note: these gloves are designed for spark and flame resistance, not thermal contact

30684



Emerald CX Leather Palm 7ga. Kevlar-Steel Cut Resistant Glove

- ANSI Level 5 puncture resistant split-cowhide leather palm & on robust 7ga. Kevlar-steel composite high ANSI A6 cut knit shell.
- ANSI Level 3 heat protection, good for a variety of jobs.
- Kevlar sewn leather wraps around to the sides of thumb & fingers to help prevent seam failure. Available in size X-Small to 2X-Small.



Size	Material	Color	Cut Rating	Order No.	Regular Price	SALE
Medium	Blended Para-Aramid	Green	ANSI A6	SG021440	22.02	19.95
Large	Blended Para-Aramid	Green	ANSI A6	SG021445	22.02	19.95
X-Large	Blended Para-Aramid	Green	ANSI A6	SG021450	22.02	19.95

30705



Endura Kevlar Lined Goatskin Deluxe Cut Resistant Drivers Glove

- Deluxe Kevlar lined drivers style glove with ANSI A4 cut rating, & HRC Arc Flash Level 3 (36 cal.) rating.
- Multi-purpose glove for welding, grinding, rigging, and metal work. Inset keystone thumb, backhand wrist elastic, & no-bunch liner for a better fit.
- Available in sizes X-Small thru 3X-Large.
- Also available Thinsulate lines winter model, #378GKGLT.



Size	Material	Color	Cut Rating	Order No.	Regular Price	SALE
Medium	Leather	White	ANSI A4	SG021495	29.23	25.95
Large	Leather	White	ANSI A4	SG021500	29.23	25.95
X-Large	Leather	White	ANSI A4	SG021505	27.17	23.95
2X-Large	Leather	White	ANSI A4	SG021510	29.23	25.95

30706



Tenactiv Micropore Nitrile Palm Coated HPPE Blend Cut Resistant Glove

- Extreme A6 cut resistant cool HPPE-Steel blended shell. Polyurethane palm coating for good grip and excellent tactile feel. Nitrile reinforced thumbcrotch for enhanced durability.
- Available in sizes 2X-Small thru 3X-Large.



Size	Material	Color	Cut Rating	Order No.	Regular Price	SALE
Large	TenActiv Blend	Grey	ANSI A6	SG021740	10.56	9.95
X-Large	TenActiv Blend	Grey	ANSI A6	SG021745	10.56	9.95

30707



Cutban™ Cut-Resistant Tapered Sleeves

- Single-layer high-tenacity/composite filament fiber sleeves are tough and durable
- Tapered knit at both ends
- Elasticized STAYz-UP™ biceps combined with thumbholes, hold sleeves in place and eliminate sliding
- Fully washable
- Available in 18 and 22" lengths



Length	Cut Rating	ManufacturerNo	Order No.	Regular Price	SALE
18"	ANSI A5	KPGIT18TH	SG023010	11.98	10.95
22"	ANSI A5	KPGIT22TH	SG023015	13.65	11.95

30702

Black String Knit Glove with Foam Nitrile Palm

- Composite filament fiber blend.....ANSI cut-level A2
- Foam nitrile palm coating for better grip
- High abrasion resistance (ANSI level-3 along with great comfort and dexterity)
- These gloves are treated with Ultra-Fresh to achieve 99.9% antimicrobial status
- Priced pair sold min 12 pcs



Size	Cut Rating	ManufacturerNo	Order No.	Regular Price	SALE
Medium	ANSI A2	S13NGFN-8	SG0263760	8.89	7.95
Large	ANSI A2	S13NGFN-9	SG0263770	8.89	7.95
X-Large	ANSI A2	S13NGFN-10	SG0263780	8.89	7.95

30798

Dexterity® Flexible, nitrile-dipped gloves w/strong steady grip

- Foam nitrile acts like a sponge to give you a strong, steady grip in light oil
- ANSI Level 4 abrasion resistant and ANSI Level 2 puncture resistant
- Polyester seamless-knit shell is fast-drying and moisture-wicking
- Uncoated back of the hand for cool comfort and flexibility



Size	Material	ManufacturerNo	Order No.	Regular Price	SALE
Small	Poly Blend	S13BFNT-7	SG021315	3.24	2.95
Medium	Poly Blend	S13BFNT-8	SG021320	3.24	2.95
Large	Poly Blend	S13BFNT-9	SG021325	3.24	2.95
X-Large	Poly Blend	S13BFNT-10	SG021330	3.24	2.95

30802

Superior Glove Dexterity® Fine-gauge nylon gloves for use with adhesive material

- PVC palms resist glue, caulking materials, and other adhesives.
- PVC coating is foamed for increased wet/oily grip
- ANSI Level 3 abrasion resistant and ANSI Level 2 puncture resistant
- Barehanded feel for ultimate dexterity
- Silicone-free and optimized for the automotive industry
- Fine-gauge nylon provides touch sensitivity
- Easy to launder



Size	Material	ManufacturerNo	Order No.	Regular Price	SALE
Small	Nylon	S13BPVC-7	SG0262040	4.46	3.95
Medium	Nylon	S13BPVC-8	SG0262050	4.46	3.95
Large	Nylon	S13BPVC-9	SG0262060	4.46	3.95
X-Large	Nylon	S13BPVC-10	SG0262070	4.46	3.95

30803

Contender™ 360° Multi-Purpose Glove

- 360° ANSI Level A4 cut protection
- Composite filament fiber is securely covered with high-strength fibers for added durability
- Unique spinning process provides consistent cut and abrasion resistance over entire glove surface
- Superior comfort, dexterity and fit in a seamless string knit
- Crafted with latex-free materials to reduce the occurrence of allergic reactions



Size	Cut Rating	ManufacturerNo	Order No.	Regular Price	SALE
X-Small	ANSI A4	SPGC/XS	SG0270340	6.18	5.60
Small	ANSI A4	SPGC/S	SG0270350	6.18	5.60
Medium	ANSI A4	SPGC/M	SG0270360	6.18	5.60
Large	ANSI A4	SPGC/L	SG0270370	6.18	5.60
X-Large	ANSI A4	SPGC/XL	SG0270380	6.18	5.60

30808

Contender™ Highly cut resistant glove w/ enhanced grip

- DuPont™ Kevlar® blended yarn provides 360° ANSI Level A6 cut resistance
- Seamless knit provides superior comfort, dexterity and fit
- PVC dots provide a strong, steady grip without inhibiting range of motion
- Double-sided dotting ambidextrous design increase the gloves' lifespan
- Crafted with latex-free materials to reduce the occurrence of allergic reactions
- ASSEMBLY, GLASS HANDLING, MATERIAL HANDLING, SHEET METAL HANDLING



Size	Cut Rating	ManufacturerNo	Order No.	Regular Price	SALE
Small	ANSI A6	SPGRK2D/S	SG0270660	9.53	8.95
Medium	ANSI A6	SPGRK2D/M	SG0270670	9.53	8.95
Large	ANSI A6	SPGRK2D/L	SG0270680	9.53	8.95
X-Large	ANSI A6	SPGRK2D/XL	SG0270690	9.53	8.95
2X-Large	ANSI A6	SPGRK2D/XX	SG0270700	9.53	8.95

30809

Contender™ 18" Cut-resistant sleeves w/spark, heat and flame resistance protection

- Double-layer para-aramid provides heat-resistance and ANSI Level A3 cut protection
- Made with soft knit fabric
- 18" Sleeves provide a snug fit that conforms to your arm for stay-in-place comfort
- Strong resistance to sparks, flames, and heat
- Crafted with latex-free materials to limit the risk of allergic reactions
- Available with or without thumbholes



SG0255270



SG0255280

Style	Size	Cut Rating	ManufacturerNo	Order No.	Regular Price	SALE
without thumbhole	Large	ANSI A3	KAWC18	SG0255270	10.18	8.95
with thumbhole	Large	ANSI A3	KAWC18TH	SG0255280	11.07	9.95

30810

Endura® Stick/Arc welding gloves

- Select split cowhide for comfortable yet rugged service
- Continuous one-piece backs, leather welting in all vulnerable seams
- Full semi-sock thermal-knit cotton lining for comfort and added heat protection
- ANSI Level 2 heat protection
- Sewing thread is made with Kevlar® fiber for added seam integrity
- MIG WELDING, TIG WELDING



Size	Material	ManufacturerNo	Order No.	Regular Price	SALE
Large	Leather	505BU	SG0254180	14.94	12.95

30812

Cool Grip® 360°cut protection w/heat resistance and added forearm protection

- DuPont™ Kevlar® and carbon fiber blend is impervious to heat and flames
- 360° ANSI Level A5 cut protection and ANSI Level 5 heat resistance.
- Heat protection up to 320°C / 608°F
- Glove-within-a-glove design with a 100% wool knit terry liner traps air in for excellent protection against thermal contact
- Heat protection features do not compromise dexterity and comfort
- 4" gauntlet cuffs for extra forearm protection
- To limit the risk of allergic reactions, these gloves are crafted with latex-free materials



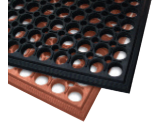
Size	Cut Rating	ManufacturerNo	Order No.	Regular Price	SALE
Small	ANSI A5	SKX-W4/S	SG0269520	59.10	52.95
Medium	ANSI A5	SKX-W4/M	SG0269530	59.10	52.95
Large	ANSI A5	SKX-W4/L	SG0269540	59.10	52.95
X-Large	ANSI A5	SKX-W4/XL	SG0269550	59.10	52.95

30813

PLANT & SAFETY

PRM PRO 1/2" Drainage Mats

- Molded beveled edges to increase safety and reduce tripping
- Lighter weight for easier handling and cleaning
- Cushion support reduces fatigue and helps prevent accidents
- Grit coating enhances traction



		Red, Grease Proof			Black, Grease Resistant			Black, Grease Resistant, Grit Coating - Yes		
Width	Length	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
3 feet	5 feet	RV6610070	70.85	63.95	RV6610065	54.17	48.95	RV6610090	88.34	79.95
3 feet	10 feet	RV6610040	191.46	171.95	RV6610035	163.36	146.95	RV6610075	201.26	180.95
3 feet	15 feet	RV6610050	380.39	341.95	RV6610045	326.75	293.95	RV6610080	299.71	269.95
3 feet	20 feet	RV6610060	527.57	474.95	RV6610055	435.66	391.95	RV6610085	398.14	357.95

24269

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



Knee Pads 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

Back Support			
Size	Order No.	Regular Price	SALE
Medium	LF65100M	33.77	29.95
Large	LF65100L	33.77	29.95
X-Large	LF65100XL	33.77	29.95
2X-Large	LF65100XXL	33.77	29.95

Knee Pads			
Size	Order No.	Regular Price	SALE
One Size	LF65350	68.23	60.95

23179

Wrist, Elbow, and Knee Supports

ProFlex® 300 Round Cap Knee Pads

- Rounded cap allows for swiveling and pivoting
- 840D nylon fabric
- Wicked™ treated
- 1/2" EVA padding
- Woven elastic straps
- Velcro or buckle closure



Wrist Support

Knee Pads

Elbow Support

ProFlex® 500 Elbow Support

- Durable construction for tough environments
- Provides wide base of support
- Effective relief from pain and discomfort

ProFlex® 4000 Wrist Support

- Fully-adjustable for an exact fit
- Patented open-center stay™ reduces pressure on the median nerve
- Anti microbial interior fabric
- Sold individually; specify left or right

Knee Pads				
Size	Hand	Order No.	Regular Price	SALE
One Size	-	LF65300B	35.96	31.95
One Size	-	LF65300V	33.99	30.95

Wrist Support				
Size	Hand	Order No.	Regular Price	SALE
Large	Left	LF654000LL	18.84	16.95
Medium	Left	LF654000LM	18.84	16.95
Large	Right	LF654000RL	18.84	16.95
Medium	Right	LF654000RM	18.84	16.95

Elbow Support				
Size	Hand	Order No.	Regular Price	SALE
Large	-	LF65500L	15.95	13.95
Medium	-	LF65500M	15.95	13.95
X-Large	-	LF65500XL	15.95	13.95

23185

3M 3M™ BX™ Protective Eyewear with Readers

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



Lens Color	Frame Color	Magnification	Order No.	Regular Price	SALE
Clear	Silver	1.5x	KB3511374	19.06	17.20
Clear	Silver	2.0x	KB3511375	19.06	16.95
Clear	Silver	2.5x	KB3511376	19.06	16.95

2391

bolle SAFETY COBRA

- 180° Panoramic vision
- Pouch included to store glasses
- Black and grey frames
- HD: High-def for sharp clear view
- CSP: Brown lens, wearers' eyes can be seen by others



Lens Color	Lens Coating	Type	Order No.	Regular Price	SALE
Clear	Anti-Fog & Scratch Resistant	Indoor	BO1540037	15.20	13.95
Smoke	Anti-Fog & Scratch Resistant	Outdoor	BO1540038	16.48	14.95
HD	Anti-Reflective & Scratch	Indoor	BO1540040	15.67	13.95
Contrast	Anti-Fog & Scratch Resistant	Indoor	BO1540041	15.67	13.95
ESP-Mirror	Anti-Water Repl & Scratch	Indoor/Outdoor	BO1540042	15.67	13.95
Twilight	Anti-Fog & Scratch Resistant	Outdoor	BO1540112	13.65	11.95
CSP Lt. Brn	Anti-Fog & Scratch Resistant	Indoor/Outdoor	BO1540291	16.42	14.95

*CSP Tilting front with pivoting temples

22801

bolle SAFETY 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	15.74	13.95
Brown	Black & Grey	BO1540209	16.50	14.95
Twilight	Black & Grey	BO1540225	15.74	13.95
Clear	Yellow & Black	BO1540243	15.74	13.95
Smoke	Yellow & Black	BO1540244	15.74	13.95
Brown	Yellow & Black	BO1540245	16.50	14.95
Clear	Blue & Green	BO1540256	17.71	15.95
Smoke	Blue & Green	BO1540257	15.74	13.95
Clear	Black & Phosphorus Green	BO1540292	17.24	15.50
Brown	Grey	BO1540294	16.50	14.95
Clear	Black & Red	BO1541080	16.96	14.95

2506

bolle SAFETY SILIUM

- Metal frame
- 160% Flex temples
- Non-slip TIPGRIP™ temples
- Adjustable non-slip pads
- Anti-static



Lens Color	Frame Color	Order No.	Regular Price	SALE
Clear	Silver Metal	BO1540073	17.70	15.95
Smoke	Silver Metal	BO1540074	19.20	16.95

2507

MCR 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	2.21	1.95
Clear	Scratch Resistant	Clear	KB85BK110	2.37	1.95
Clear	Anti-Fog & Scratch Resistant	Clear	KB85BK110AF	3.22	2.95
Gray	Scratch Resistant	Gray	KB85BK112	2.37	1.95
Light Blue	Scratch Resistant	Light Blue	KB85BK113	3.02	2.70
Mirrored	Scratch Resistant	Clear	KB85BK119	3.02	2.70

2529



Fuselage™ Foam Padded with Interchangeable Strap

- Flame resistant soft foam padding forms a seal to keep out dust and airborne particles
- Comes with both temples AND elastic headband strap
- Temples and strap snap in or out and easily converts from a safety glass to a dust goggle and back
- Bayonet nylon temples with rubber tips for a secure fit
- 8 Base curve lens
- Meets ANSI Z87.1+



PP1017440



PP1017470

Lens Color	Lens Coating	Frame Color	Order No.	Regular Price	SALE
Clear	Anti-Scratch / Anti-Fog	Black/Grey	PP1017440	10.93	9.95
Clear	Anti-Scratch / FogLess 3Sixty	Black/Grey	PP1017470	15.47	13.95

29816



Rimless Safety Glasses with Black Temple, Clear Lens, Foam Padding and Anti-Scratch / Anti-Fog Coating

- Foam padding design forms a seal to keep out dust and airborne particles
- Lightweight, rimless design provides all day user comfort
- Thin, flexible temples provide a secure fit without uncomfortable pressure points
- 9.5 Base curve lens
- Meets ANSI Z87.1+



Lens Color	Lens Coating	Frame Color	Order No.	Regular Price	SALE
Clear	Anti-Scratch / Anti-Fog	Black	PP1017710	5.01	4.50

29824



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

Avante

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

V2 Reader

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



Style - Avante



Style - V2 Reader Magnifiers

Style - Avante				
Lens Color	Magnification	Order No.	Regular Price	SALE
Silver Mirror	None	KB54SB4570D	8.87	7.95
Amber	None	KB54SB4530D	6.92	5.95
Blue Mirror	None	KB54SB4575D	8.87	7.95

Style - V2 Reader Magnifiers				
Lens Color	Magnification	Order No.	Regular Price	SALE
Clear	1.0x	KB54SB1810R10	13.19	11.95
Clear	1.5x	KB54SB1810R15	13.19	11.95
Clear	2.0x	KB54SB1810R20	13.19	11.95
Clear	2.5x	KB54SB1810R25	13.19	11.95
Clear	3.0x	KB54SB1810R30	13.19	11.95

24



ACCURIST® Safety Glasses

- Sporty design for on and off the job
- Inner foam padding is flame resistant
- Built-in rubber nose piece
- Durable frame features dual-injected straightback temples
- Anti-fog lenses
- Scratch resistant polycarbonate lens provides 99% UVA/B/C protection



Lens Color	Frame Color	Order No.	Regular Price	SALE
Clear	Black	KB54SB8710DTP	15.13	13.95
Clear	Red/Black	KB54SBR8710DTP	15.42	13.95

24519



Hypershock™

- Delivers the ultimate combination of high-performance protection and aggressive sport inspired styling
- The full frame design offers high impact protection, with streamlined padded temples and a molded nosepiece for a secure, comfortable fit



Clear



Matte Black

Lens Color	Lens Coating	Frame Color	Order No.	Regular Price	SALE
Gray	Anti-Fog	Black	LF50S2941XP	17.55	15.95
Reflect 50	Scratch Resistant	Matte Black	LF50S2943	17.55	15.95
Blue Mirror	Scratch Resistant	Matte Black	LF50S2945	17.55	15.95
Espresso	Polarized	Matte Black	LF50S2949	64.50	57.95
Clear	Anti-Fog	Clear	LF50S2970XP	17.28	15.95

2691



Lens Cleaning

Towelettes

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



KB54LC100



KB54LC20

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	KB54LC100	11.93	10.95
Lens Cleaning Station	KB54LC20	24.95	21.95

30901



Disposable Face Screen

- Ready-to-use packaging
- Anti-Fog & Blue Protective Coating
- Adapted to Prescription Classes
- 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	16.23	14.95

PRICE PER EACH MASK

29584



1200 Leather gloves wing thumb

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



Size	Order No.	Regular Price	SALE
Large	KB511200L	4.43	3.95
X-Large	KB511200XL	4.76	3.95

30906

PLANT & SAFETY

SHOWA Atlas 451

- Quick drying
- Excellent wet & dry grip
- Breathable
- Good mechanical resistance
- Insulated, high warmth
- Ergonomic design
- Coating: natural rubber
- Liner: polyester/cotton/acrylic
- Color: light gray/gray palm



Size	Order No.	Regular Price	SALE
Small	SG2502730	5.07	4.60
Medium	SG2502735	5.07	4.60
Large	SG2502740	5.07	4.60
X-Large	SG2502745	5.07	4.60

30844

SHOWA 381

- Oil-resistant coating
- Exceptional grip in all conditions
- Maximum tactility and dexterity
- Extended-cuff for added protection
- Mimics the curvature of a human hand to reduce fatigue
- **Coating:** foam nitrile
- **Liner:** microfiber, nylon, 13-gauge
- **Color:** gray/black palm



Size	Order No.	Regular Price	SALE
Small	SG2502320	5.52	4.95
Medium	SG2502325	5.52	4.95
Large	SG2502330	5.52	4.95
X-Large	SG2502335	5.52	4.95

30893

WLL Y9289 FlexTech™ Synthetic Knit Shell with Full NBR Coating and Nitrile Palm

Light weight synthetic knit shell with double coating Sandy nitrile coated palm and fingertips affords excellent gripping Full NBR coating provides an extra layer of protection against liquids Offers great flexibility and dexterity Water resistant



Size	Abrasion Rating	Puncture Rating	Cut Rating	Order No.	Regular Price	SALE
X-Small	-	-	ANSI A1	LW0110790	5.01	4.50
Small	-	-	ANSI A1	LW0110795	5.01	4.50
Medium	-	-	ANSI A1	LW0110800	5.01	4.50
Large	-	-	ANSI A1	LW0110805	5.01	4.50
X-Large	-	-	ANSI A1	LW0110810	5.01	4.50
2X-Large	-	-	ANSI A1	LW0110815	5.01	4.50

30675

Chill-Its® 6700 Bandana/Headband & 6710 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



Color	Bandana			Cooling Triangle Hat		
	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
Camo	LF656700C	3.09	2.80	LF656710C	7.23	6.50
Navy Western	LF656700N	3.09	2.80	-	-	-
Red Western	LF656700R	3.09	2.80	LF656710R	7.23	6.50
Stars & Stripes	LF656700SS	3.09	2.80	LF656710SS	7.23	6.50
Navy Western	-	-	-	LF656710B	7.23	6.50

23162

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	0.18	0.17
33 dB	200	KB3511033	0.33	0.28
29 dB	100	KB351110	0.39	0.31
33 dB	200	KB3512063	0.16	0.15

Price Per Each Sold By Box

22583

36

3M 3M™ Peltor™ Optime™ 105 Series, Behind-the-Head

- Recommended for noise levels up to 105 dBA
- Designed with wide, softly padded headband and stainless steel headband wires
- Liquid and foam filled cushions for a better seal and low surface pressure



Noise Reduction Rating	Order No.	Regular Price	SALE
29 dB	KB35H10B	41.20	37.10

2403

PYRAMEX Disposable Earplugs

- Taper fit made of polyurethane material
- Plug gently expands and self adjusts to all size ear canals
- NRR: 31dB
- Priced per box



KB54DP1000 KB54DP1001

Style	Standard Pack	Order No.	Regular Price	SALE
Disposable / Uncorded	200	KB54DP1000	38.54	34.95
Disposable / Corded	100	KB54DP1001	38.54	34.95

*All styles meet ANSI S3.19 Specifications

24522

PRM PRO Universal Safety Vest

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



Order No.	Regular Price	SALE
KB38SV8099	4.91	3.95

2957

3M Disposable Respirators

Particulate Respirator 8511, N95

- Intended applications include grinding, sanding, sweeping, and other dusty/hot operations
- Features the Cool Flow™ exhalation valve with adjustable M-nose clip for custom fit and secure seal



Particulate Respirator 8247, R95, with Nuisance Level Organic Vapor Relief.

- Designed to help provide comfortable protection against certain oil and non-oil based particles including those present with nuisance levels of organic vapors, such as solvents, degreasers, and resins

Particulate Respirator 8210, N95

- Adjustable nose clip
- Nose foam pad
- Great for grinding, bagging, sanding, sweeping and other dusty operations

Order No.	Regular Price	SALE
KB35464573	1.31	1.20
KB35543438	3.10	2.95
KB358247	5.34	4.95

22582

OILDRI Resorb Granular Absorbent

- Made from 100% recycled paper products
- Absorb oil, grease, coolants, lubricants, paint, water and more
- 100% Incinerable product reduces disposal costs
- Maintains hardness and does not break down into a mushy mess like traditional cellulose absorbents



Container Size	Order No.	Regular Price	SALE
-	LD60L92889G65	20.58	18.95

EAGLE Cigarette Butt Receptacle

- Excellent for designated smoking areas
- Practical container for cigarette, cigar butts and matches
- Promotes safety and good housekeeping
- Quickly extinguish burning butts
- 1-3/4" OD spout



2895

Capacity	Diameter	Height	Weight	Order No.	Regular Price	SALE
5 gallon	12 1/2"	32"	7 lbs	LC501205	108.91	97.95

23133

OILDRI Spill Kits

- Be prepared with a spill control plan that can be implemented with absorbent products readily available, either to use in case of an emergency, or to control daily leaks and spills that may occur



Includes	Order No.	Regular Price	SALE
4 Universal Socks (48" Length), 1 Universal Sock (120" Length), 2 Universal Pillows, 10 Universal Bonded Pads, 3 Disposal Bags with Ties, Emergency Response Guide Book	LD60L90410	335.35	301.95
12 Haz Mat Socks (48" Length), 6 Haz Mat Pillows, 75 Yellow Haz Mat Bonded Pads, Protective Gloves, Goggles, 6 Disposal Bags with Ties, Emergency Response Guide Book	LD60L90765	1,089.88	980.95
6 Haz Mat Sock (48" Length), 7 Haz Mat Pillows, 20 Yellow Haz Mat Bonded Pads, Protective Gloves, Light Stick, 3 Disposal Bags with Ties, Emergency Response Guide Book	LD60L90894	359.31	322.95
20 Universal Socks (48" Length), 6 Universal Pillows, 75 Universal Bonded Pads, 6 Disposal Bags with Ties, Emergency Response Guide Book	LD60L90965	960.14	863.95
2 Universal Socks, 15 Universal Perf. Pads, 1 Pair Protective Gloves, 1 Disposal Bag with Tie	LD60L90435	64.67	57.95

24217

Legacy Heavy Duty Barrel Pump

- Two-piece telescoping suction tube fits 30 to 55 gallon drums
- Pump delivers a full ten ounces of fluid per stroke
- Rugged epoxy finish pump assembly
- Discharge spout thread fits all garden hose fittings
- Complete with a standard bung adapter, tough all steel foot valve and piston valve
- For oil based material only
- Weight: 7 lbs.



Type	Weight	Order No.	Regular Price	SALE
Heavy Duty Barrel Pump	7 lbs	LX55L3000	59.62	53.95

5436

CCI Polar/Solar® Outdoor Cold Weather Extension Cords

- Rugged T*Prene insulation provides superior resistance to abrasion, ozone, oil, grease and chemicals
- Reinforced blades help prevent accidental bending or breaking
- Heavy-duty strain relief protects electrical connections resulting in longer cord life
- Outer jacket is flame retardant and water resistant
- Power indicator light in the female receptacle to show that the power is onUL Listed & CSA Certified outdoor use cord set
- Meets OSHA requirements for outdoor use



Heavy								
Length	Gauge	Current	Color	Number of Outlets	Voltage	Order No.	Regular Price	SALE
25'	14/3	15 A	Yellow	1	125 V	KD6001487	41.20	36.95
50'	12/3	15 A	Yellow	1	125 V	KD6001688	94.74	84.95
50'	14/3	15 A	Yellow	1	125 V	KD6001488	67.96	60.95
100'	14/3	13 A	Yellow	1	125 V	KD6001489	155.50	139.95

Extra Heavy								
Length	Gauge	Current	Color	Number of Outlets	Voltage	Order No.	Regular Price	SALE
25'	12/3	15 A	Yellow	1	125 V	KD6001687	60.83	54.95
100'	12/3	15 A	Yellow	1	125 V	KD6001689	216.43	194.95

2521

Koehler BrightStar Freakin' Beacon™ Flasher

- 5 COLORS: Red, Blue, Amber, White and Green
- Green color runs 36 hrs. on steady, 144 hrs. on flash.
- Blue color runs 48 hrs. on steady, 192 hrs. on flash.
- Red, Amber, White colors run on 65 hrs. on steady, 200 hrs. on flash.
- Uses 2 AAA batteries (not included)
- Class I, Div 1
- Waterproof IP67
- 3M Dual Lock included
- Light visible from 1000+ feet
- Drop rated to 2 meters
- Optional helmet band for metal, plastic and spring clips
- Limited Lifetime warranty
- LENGTH: 2.7" WIDTH: 2.6" HEIGHT: 1.5"



29870

LED Color	Lumens Range	Battery Size	Metal Clasp			Plastic Spring			Plastic Solid			Magnet		
			Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
Amber	25/strobe	AAA	KN0171000A	49.43	43.95	KN0171010A	49.43	43.95	KN0171020A	49.43	43.95	KN0171030A	49.43	43.95
Blue	25/strobe	AAA	KN0171000B	49.43	43.95	KN0171010B	49.43	43.95	KN0171020B	49.43	43.95	KN0171030B	49.43	43.95
Green	25/strobe	AAA	KN0171000G	49.43	43.95	KN0171010G	49.43	43.95	KN0171020G	49.43	43.95	KN0171030G	49.43	43.95
Red	25/strobe	AAA	KN0171000R	49.43	43.95	KN0171010R	49.43	43.95	KN0171020R	49.43	43.95	KN0171030R	49.43	43.95
White	25/strobe	AAA	KN0171000W	49.43	43.95	KN0171010W	49.43	43.95	KN0171020W	49.43	43.95	KN0171030W	49.43	43.95

29684

Energizer Alkaline Batteries

- 10 Year shelf life
- Bulk or blister pack
- Mercury free
- Sold per pack



Energizer Max Blister Packed Alkaline				
Battery Size	Number of Batteries	Order No.	Regular Price	SALE
AA	4	KA56E91BP4	8.01	6.95
AAA	4	KA56E92BP4	8.01	6.95
D	4	KA56E95BP4	19.30	16.95
AAAA	2	KA56E96BP2	4.37	3.95

Energizer Industrial Packed Alkaline				
Battery Size	Number of Batteries	Order No.	Regular Price	SALE
9V	12	KA56EN2212	29.17	25.95
AA	4	KA56EN914	2.47	1.95
C	12	KA56EN9312	14.83	12.95

23159

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	0.92	0.68
AA	24	4133352148	DU0310050	0.92	0.68
C	12	4133311440	DU0310070	2.17	2.04
D	12	4133311340	DU0310090	2.59	2.44
9V	12	4133352748	DU0310200	3.85	3.64

PROCELL INTENSE					
Battery Size	Number of Batteries	ManufacturerNo	Order No.	Regular Price	SALE
AA	24	4133303437	DU0350000	1.06	0.79
AAA	24	4133303715	DU0350005	1.09	0.95
C	12	4133303423	DU0350050	2.53	2.39
D	12	4133303424	DU0350070	2.85	2.69
9V	12	4133303716	DU0350080	3.88	3.65

PROCELL Lithium Coin/Cell					
Battery Size	Number of Batteries	ManufacturerNo	Order No.	Regular Price	SALE
3V	5	4133303459	DU0310405	10.16	8.95
3V	5	4133303458	DU0310410	10.16	8.95
3V	5	4133303457	DU0310415	10.16	8.95

PROCELL High Power Lithium					
Battery Size	Number of Batteries	ManufacturerNo	Order No.	Regular Price	SALE
3V	12	4133300438	DU0310420	5.68	5.35
3V	12	4133303456	DU0310425	5.68	5.35

WEILER Coarse Sweeping

- Non-absorbent - oil resistant - wash easily
- Wet or dry sweeping
- Lacquered hardwood block
- Two threaded handle holes



Overall Length	Trim Length	Bristle Material	Order No.	Regular Price	SALE
18"	3 1/4"	Synthetic Fill/Oil Resistant	LD5325238	16.09	10.50
24"	3 1/4"	Synthetic Fill/Oil Resistant	LD5325239	23.63	15.40
24"	3"	Tampico Fiber	LD5342135	41.15	26.70

Handles Sold Separately

3209

WEILER Garage Brush

- Stiff Palmyra fiber is highly recommended for wet or dry sweeping on rough concrete or wood floors
- Lacquered hardwood block
- Two threaded handle holes



Overall Length	Trim Length	Bristle Material	Order No.	Regular Price	SALE
24"	4"	Palmyra	LD5342023	22.62	14.70

Handles Sold Separately

3212

WEILER Perma Sweep™ Brooms

- These rugged Perma-Sweeps™ have 2-3 times the life of ordinary sweeps
- Tough synthetic block will not split, crack, or warp
- The synthetic fill is chemical and solvent resistant
- Wet or dry application



Overall Length	Style	Bristle Color	Trim Length	Push Broom Head			Push Broom Head with Handle		
				Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
18"	Fine	Green	3"	LD5342163	19.85	12.90	LD53GR18H	24.70	15.95
18"	Heavy	Maroon	3"	LD5342167	19.85	12.90	LD53MA18H	31.35	19.95
18"	Medium	Yellow	3"	LD5342165	19.85	12.90	LD53YE18H	24.70	15.95
24"	Fine	Green	3"	LD5342164	27.54	17.90	LD53GR24H	28.94	18.95
24"	Heavy	Maroon	3"	LD5342168	27.54	17.90	LD53MA24H	24.70	15.95
24"	Medium	Yellow	3"	LD5342166	27.54	17.95	LD53YE24H	31.35	19.95

3215

WEILER Upright Brooms

- Fiber brooms are for rough surfaces and corn brooms are for smooth
- Both can be used in wet or dry applications



Trim Length	Bristle Material	Order No.	Regular Price	SALE
7 1/2"	Plastic	LD5344305	16.25	10.60
10"	Palmyra	LD5344007	32.34	20.95
15"	Corn Fiber	LD5344009	20.21	12.95
18"	Corn Fiber	LD5344008	18.33	11.95

3218

WEILER Fine Sweeping

- Lacquered hardwood block
- Two threaded handle hold
- For sweeping smooth surfaces, tile, wood, linoleum and smooth concrete



Overall Length	Trim Length	Bristle Material	Order No.	Regular Price	SALE
24"	3"	Tampico Fiber	LD5342002	53.69	34.95
24"	3"	Synthetic	LD5342042	27.49	17.95

Handles Sold Separately

3222

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	9.84	5.95
Oil Resistant Water Resistant Hand	2 1/2"	Black	8"	LD5325252	7.84	4.95
Oil Resistant Water Resistant	2 1/2"	Orange	9"	LD5342213	10.54	6.95

3210

WEILER Industrial Scrub Brushes



Overall Length	Bristle Size	Bristle Material	Order No.	Regular Price	SALE
8"	2"	Tampico	LD5025262	6.05	3.95
20"	2"	Tampico	LD5025263	8.63	5.70

3213

WEILER Truck Wash Brush

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



Brush Length	Brush Width	Bristle Size	Bristle Material	Order No.	Regular Price	SALE
9 1/2"	2 3/4"	3"	Polystyrene	LD5344510	23.76	14.95

3220

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	23.36	14.95

29260



Right Choice™

the Right Choice for YOU!

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	70.22	41.95

28733

Right Choice® 2-Ply Bath Tissue

- Individually wrapped
- Ideal for tight spaces and small use requirements
- 2-Ply embossing provides superior softness and absorbency
- Fits in universal dispensers



Style	Width	Diameter	Core Diameter	Number of Plies	Roll Length	Sheets per Roll	Number of Rolls	Order No.	Regular Price	SALE
Standard	4"	4.25"	1.75"	2	100'	400	96	RC0110165	102.89	60.95
Standard	4.5"	4"	1.5"	2	145.8'	500	96	RC0110170	114.72	67.95
Jumbo	3.25"	8"	3.5"	2	700'	-	12	RC0110180	61.80	36.95
Jumbo	3.3"	8.75"	3.25"	2	1000'	-	12	RC0110175	80.40	48.80

28724



RIGHT PRODUCTS. ✓

RIGHT QUALITY. ✓

RIGHT VALUE. ✓

RIGHT CHOICE. ✓

Kimberly-Clark Professional WYPALL X80™ De-

- signed to feel like cloth and work even better
- Our thickest and strongest wiper
- Absorbs faster than rags and shop towels



Container Type	Length	Width	Sheets Per Package	Weight	Order No.	Regular Price	SALE
Pop Up Box	16.8"	9.1"	80	12.4 lbs	LM5505930	28.53	25.95
Brag Box	16.8"	12 1/2"	160	6.3 lbs	LM5541041	56.16	50.95
Jumbo Roll	13.4"	12 1/2"	475	14.0 lbs	LM5541043	123.46	110.95

2737

WEILER Floor Brush Handles

- Lacquered hardwood
- Standard threads



Length	Tip Material	Order No.	Regular Price	SALE
5 feet	Wood	LD5344018	7.99	4.95
5 feet	Steel	LD5344300	8.56	5.65
5 feet	Vinyl	LD5344301	9.60	5.95

3211

MATERIAL HANDLING

National Public SEATING Corp.

Kangaroo Stool

- Heavy duty 1-1/4" thick polyurethane seat with waterfall edge
- 10" of Kangaroo pneumatic height adjustment from 22"-32"
- Swivels 360° for unlimited functionality
- Integrated under seat spring system allows for control of backrest tilt
- Footrest adjusts 12" up or down for comfort
- Convenient backrest handhold for maneuverability
- Comes with casters and slides
- 300 Lb. weight capacity



5460

PRM PRO Adjustable Shop Stool with Backrest

- Matte black powder coat finish
- Padded 14" vinyl seat features a backrest for comfort
- Backrest adjusts and can be removed when desired
- Stool rotates 360°
- Seat height adjusts from 29" to 33" easily with just one hand
- Load capacity 300 lbs
- Limited lifetime warranty against manufacturer defects
- Ships UPS



5465

Height	Order No.	Regular Price	SALE
38"-43"	RZ457000	124.00	111.95

Save while supplies last

PRM PRO Mechanic's Roller Seat with Drawer

- Hard-wearing steel frame
- Comfortable foam-cushioned seat holds up to 300 lbs
- Seat sits 14" off the ground
- Handy sliding drawer (ball-bearing slide)
- 2-1/2" roll smoothly swivel casters
- Sturdy high-impact pan keeps tools and parts close at hand
- Limited lifetime warranty



5475

Height	Weight	Order No.	Regular Price	SALE
29"	14.3 lbs	RZ455000	71.00	63.95

Ships via UPS

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 UPS



5481

Height	Order No.	Regular Price	SALE
29"	RZ456000	70.00	62.95

Economy Shelf Bins

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

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



Outside Length	Outside Width	Outside Height	Yellow			Red			Blue		
			Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
11 5/8"	2 3/4"	4"	SD5030110Y	3.99	2.95	SD5030110R	3.99	2.95	SD5030110B	3.99	2.95
11 5/8"	4 1/8"	4"	SD5030120Y	4.53	3.95	SD5030120R	4.53	3.95	SD5030120B	4.53	3.95
11 5/8"	6 5/8"	4"	SD5030130Y	6.93	5.95	SD5030130R	6.93	5.95	SD5030130B	6.93	5.95
17 7/8"	6 5/8"	4"	SD5030138Y	8.63	7.95	SD5030138R	8.63	7.95	SD5030138B	8.63	7.95
17 7/8"	8 3/8"	4"	SD5030158Y	11.80	10.95	SD5030158R	11.80	10.95	SD5030158B	11.80	10.95

22707

Huot CNC Security Cart

- Clear polycarbonate doors allow for easy at-a-glance tool identification
- Comes with 2 sets of doors to secure both sides
- Doors are keyed alike for easy operation and security
- Shelves can be adjusted in 7 different mounting positions
- Side tray allows for optional tool changing vise or collect racks
- Large open tray area for utility transport
- Size: 41 x 35 x 20"



Taper Size	Tool Capacity	Order No.	Regular Price	SALE
30	48	AP5316930	992.47	892.95
40	48	AP5316940	992.47	892.95
HSK 50A	36	AP5316950	992.47	892.95
HSK 63A	48	AP5316970	992.47	892.95
HSK 100A	36	AP5316980	992.47	892.95

Ships by common carrier

5361

Super Scoot by Huot 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	765.95	688.95
50	52	132 lbs	AP5323950	765.95	688.95
HSK 63A	52	132 lbs	AP5323970	893.22	803.95
HSK 100A	52	132 lbs	AP5323980	893.22	803.95

Ships by Common Carrier

5383

RAPIDHOLD CNC Tool Carts

- Solid side panel construction
- Durable nylon inserts
- Baked on epoxy finish
- 4" x 1-1/2" casters rated at 1,000 lbs (2 swivel & 2 locking)
- 30"L x 15"W x 35"H



Taper Size	Tool Capacity	Weight	Order No.	Regular Price	SALE
40	24	52 lbs	RX8076302	407.76	366.95
50	15	52 lbs	RX8076304	444.45	399.95
HSK 63A	24	52 lbs	RX8076306	510.24	458.95

5508

LiftAll 2" Wide General Duty Ratchet

Assemblies

- Ultimate strength 5000 lbs
- Working load limit rounded to 1600 lbs
- 2" Wide yellow webbing with bright orange stripe one side
- 10" web length on fixed end



Length	Style	Order No.	Regular Price	SALE
27 feet	Ratchet Hook Buckle	SE8560501	82.48	73.95
27 feet	Ratchet Hook Buckle	SE8560507	110.53	108.95
30 feet	Ratchet Hook Buckle	SE8560502	85.68	76.95
30 feet	Ratchet Hook Buckle	SE8560508	113.72	101.95

23703

Drop-side Plastic Poly-Truck

- Heavy-duty molded plastic body
- All-welded steel angle-iron frame
- Casters welded to frame in a corner pattern
- Notch on one side 59" x 12"



Load Capacity	Overall Length	Overall Width	Overall Height	Color	Volume Capacity	Order No.	Regular Price	SALE
1000 lbs	71"	43"	42"	Gray	315 gallons	BH0210030	597.40	537.95
1000 lbs	70"	55"	49"	Gray	360 gallons	BH0210045	669.50	602.95

29949

Ships FOB from Mfg.

Plastic Poly Trucks

- Heavy-duty molded plastic body
- All-welded steel angle-iron frame
- Casters welded to frame in a corner pattern
- Load capacity 400-1000 lbs.



Volume Capacity	Load Capacity	Overall Length	Overall Width	Overall Height	Color	Order No.	Regular Price	SALE
30 gallons	400 lbs	32-3/4"	21-1/4"	19-3/4"	Gray	BH0210004	215.61	193.95
41 gallons	400 lbs	32-1/4"	23-1/4"	24"	Gray	BH0210006	185.40	166.95
51 gallons	400 lbs	37"	24-1/2"	23-3/4"	Gray	BH0210007	195.70	175.95
57 gallons	400 lbs	36-1/4"	24-1/4"	27"	Gray	BH0210008	216.30	194.95
73 gallons	600 lbs	38-1/4"	29-1/4"	31"	Gray	BH0210010	226.60	203.95
84 gallons	600 lbs	38"	28-1/4"	34-1/4"	Gray	BH0210012	236.90	212.95
115 gallons	600 lbs	43-3/4"	31-3/4"	35"	Gray	BH0210014	252.35	226.95
125 gallons	800 lbs	45"	31"	36"	Gray	BH0210016	257.50	231.95
145 gallons	800 lbs	46-1/4"	34"	37-3/4"	Gray	BH0210018	278.10	249.95
151 gallons	800 lbs	46"	34"	39"	Gray	BH0210020	303.85	272.95
320 gallons	1000 lbs	71"	47-1/2"	36-3/4"	Gray	BH0210040	597.40	537.95

29954

Ships FOB from Mfg.

DURHAM MFG Flammable Safety Cabinets

- Sturdy all welded double wall steel construction
- Self closing door
- Fusible link provided - melts to activate self close at 165 degrees
- 2" wide louvers support shelves, adjustable on 4" centers
- 2" Deep leak proof sump
- 2" Bunged air vents with flame arrestors on each side of the cabinet allows for ventilation



Width	Depth	Height	Number of Shelves	Weight	Order No.	Regular Price	SALE
17 3/8"	18 1/8"	22 1/8"	1	146 lbs	SB551004M50	665.38	598.95
17 3/8"	18 1/8"	23 11/40"	1	110 lbs	SB551004S50	691.11	621.95
23"	18"	41"	1	159 lbs	SB551012M50	696.90	626.95
23"	18"	41"	1	167 lbs	SB551012S50	753.18	677.95
34"	34"	65"	2	509 lbs	SB551060M50	1885.81	1696.95
34"	34"	65 3/8"	2	533 lbs	SB551060S50	2048.07	1842.95
42 1/8"	18 1/8"	18 1/8"	1	146 lbs	SB551012MH50	880.63	792.95
43"	18"	44"	1	285 lbs	SB551030M50	1112.77	1000.95
43"	18"	45 3/8"	1	309 lbs	SB551030S50	1329.01	1195.95
43"	18"	65"	2	409 lbs	SB551045M50	1728.28	1554.95
43"	18"	66 3/8"	2	423 lbs	SB551045S50	1706.03	1534.95
43"	34"	65"	2	587 lbs	SB551090M50	2146.33	1931.95
43"	34"	65 3/8"	2	623 lbs	SB551090S50	2473.85	2225.95

5273

Ships By Common Carrier from Manufacturer

KENNEDY 11-Drawer Chests

- Brown wrinkle finish
- Front security panel/tubular lock
- Chrome side handles
- Fits on 27" or 29" wide roller cabinets
- Drawer and top are till wool felt lined
- UPS dimensional weight shipping rates apply



Width	Depth	Height	Order No.	Regular Price	SALE
26.75"	12.06"	18.88"	RX503611B	1266.73	1139.95

23601

KENNEDY 11 Drawer Machinist Chest

Model 52611B

- Brown wrinkle finish
- Front security panel
- Fold down top lid opens wide
- Tubular locking system
- Adjustable drawer dividers (8)
- UPS dimensional weight shipping rates apply



Width	Depth	Height	Order No.	Regular Price	SALE
26.75"	8 1/2"	18"	RX5052611B	877.83	789.95

* Available while supplies last

23602

MATERIAL HANDLING



STANLEY 26-1/2" Top and Middle Chests

- Double wall steel construction holds up to frequent use.
- 85 lb. full-extension ball-bearing drawer slides operate smoothly.
- Adds storage between the tool chest and rolling cabinet.
- Keyed internal locking system safeguards tools.
- Large drawer trim provides extra finger clearance.
- 1,896 cubic inches of storage.



Middle Tool Chest										
Number of Drawers	Drawer Type	Height	Width	Depth	Color	Total Cubic Inches	ManufacturerNo	Order No.	Regular Price	SALE
2	Ball Bearing	10.25"	26"	16"	Black	1,896	STST22625BK	KP436032	242.14	193.95

Tool Chest										
Number of Drawers	Drawer Type	Height	Width	Depth	Color	Total Cubic Inches	ManufacturerNo	Order No.	Regular Price	SALE
5	Ball Bearing	19.75"	26"	16"	Black	5,840	STST22657BK	KP436040	411.66	328.95

FOB Novi, Michigan common carrier

29393

STANLEY 26-1/2"W Tool Chest, Middle Chest & Roller Cabinets

- 85 lb. Full-Extension Ball-Bearing Drawer Slides for smooth operation and ease of use
- 4.5" x 1.5" Casters Support 650 lbs.; two lock and swivel
- Gas Struts Support the Chest Lid to easily open and close
- Keyed Internal Locking System safeguards tools
- Full-Grip Side Handle on Rolling Cabinet and Recessed Handles on tool chest for easy lifting and portability
- Non-Slip Open Weave Top Mat protects the cabinet surface
- Middle Chest Adds Storage between the tool chest and rolling cabinet
- Full-Width Aluminum Drawer Trim can be opened anywhere along the drawer
- 14,404 Cubic Inches of Storage
- White Carton with Full-Color Graphic Label on One Side



KP436030

KP436036

Middle Tool Chest										
Number of Drawers	Drawer Type	Height	Width	Depth	Color	ManufacturerNo	Order No.	Regular Price	SALE	
2	Ball Bearing	12.25"	26"	12"	Black	STST22623BK	KP436030	242.14	193.95	

Tool Chest										
Number of Drawers	Drawer Type	Height	Width	Depth	Color	ManufacturerNo	Order No.	Regular Price	SALE	
5	Ball Bearing	19.75"	26"	12"	Black	STST22655BK	KP436036	411.66	328.95	

Ships Common Carrier

29394

STANLEY Stanley 41" 12-Drawer Tool Chest & Roller Cabinet Combo



Tool Chest										
Number of Drawers	Drawer Type	Height	Width	Depth	Color	Storage Capacity	ManufacturerNo	Order No.	Regular Price	SALE
4	Ball Bearing	19.75"	40.5"	16"	Black	9,619"	STST24044BK	KP436050	702.25	491.95

Ships common carrier or UPS dimensional rate

29398

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	46.90	41.95

5461

PRM PRO 25" Tote Tool Bag

- Made from heavy duty water repellent polyester
- Hard bottom reinforced base with studs for base protection
- Closed top with zip and framed opening
- 19 exterior pockets and 18 interior pockets; 2 side strapping for levels
- Includes padded handle and detachable shoulder strap



Length	Width	Height	Order No.	Regular Price	SALE
25"	12"	13"	LC707701	64.49	57.95

5462

STANLEY 5-Drawer Roller Cabinet

- Full-extension ball-bearing drawer slides for smooth operation
- Five 85 lb. load capacity drawers
- 650 lb. load rating with 4.5 in. x 1.5 in. casters, two lock and swivel
- Keyed internal locking system safeguards tools
- Full-grip tubular side handle for portability
- Non-slip open weave top mat helps protect the cabinet surface
- Full-width aluminum drawer trim for grip
- Double-wall steel construction provides strength and durability



Tool Cabinet													
Number of Drawers	Drawer Type	Height	Width	Depth	Color	Drawers Sizes	Caster Diameter	Load Capacity	Total Cubic Inches	ManufacturerNo	Order No.	Regular Price	SALE
5	Ball Bearing	40.5"	26.5"	18"	Black	(1) 22.375x16.5x3.125, (1) 22.375x16.5x4.125, (2) 22.375x16.5x6.375, (1) 22.375x16.5x9.5	4 1/2"	650 lbs	8,030	STST2753BK	KP436046	629.63	503.95

29392

STANLEY 41"W 12-Drawer Tool Chest & Roller Cabinet Combo

- 85 lb. Full-Extension Ball-Bearing Drawer Slides for smooth operation and ease of use
- 4.5" x 1.5" Casters Support 650 lbs.; two lock and swivel
- Deep Drawers for hand tool cases and bulky power tools
- Gas Struts Support the Chest Lid to easily open and close
- Keyed Internal Locking System safeguards tools
- Full-Grip Side Handle on Rolling Cabinet and Recessed Handles on tool chest for easy lifting and portability
- Non-Slip Open Weave Top Mat protects the cabinet surface
- Middle Chest Adds Storage between the tool chest and rolling cabinet
- 22,117 Cubic Inches of Storage
- White Carton with Full-Color Graphic Label on One Side



Tool Cabinet													
Number of Drawers	Drawer Type	Height	Width	Depth	Color	Drawers Sizes	Caster Diameter	Load Capacity	ManufacturerNo	Order No.	Regular Price	SALE	
8	Ball Bearing	34"	41"	18"	Black	(1) 22.375x16.5x4.13, 22.375x16.5x3.125, (1) 11.75x16.5x4.13, (2) 11.75x16.5x3.125, (1) 22.375x16.5x6.38, (1) 22.375x16.5x9.5, (1) 11.75x16.5x12.75	4 1/2"	650 lbs	STST24181BK	KP436054	920.24	735.95	

29397

Vertil Tilting Drum Rings

- Easily transport steel drums with your fork truck
- Manually rotate drum to dispense light materials
- The band secures around the belly of the drum
- Welded steel construction for durable strength
- Capacity 1200 lbs
- Capacity is based on full drums / half-full drums are rated at 600 lbs



For Use With	Material	Width	Height	Order No.	Regular Price	SALE
30 Gallon	Carbon Steel	33-13/16"	5"	RV54TDR30G	122.51	109.95
30 Gallon	Stainless Steel 304	33-13/16"	5"	RV54TDR30SS	292.43	262.95
55 Gallon	Carbon Steel	37-15/16"	5"	RV54TDR55	104.96	93.95
55 Gallon	Carbon Steel	37-15/16"	5"	RV54TDR55G	136.97	122.95
55 Gallon	Stainless Steel 304	37-15/16"	5"	RV54TDR55SS	306.89	275.95

5588

Vertil Heavy Duty Drum Dollies

- Transports 55 gallon drums
- 4 & 8 wheel models
- 2000 lbs capacity
- UPS dimensional weight shipping rates apply



For Use With	Drum Capacity	Order No.	Regular Price	SALE
55 Gallon Drums	2,000 lbs	RV54DRUMHD	188.45	169.95
55 Gallon Drums	2,000 lbs	RV54OCTO55	194.65	174.95

5576

KLEIN TOOLS Tradesman™ Pro Rolling Tool Bag

- Rugged 6-Inch wheels easily handle rough terrain
- 24 pockets for maximum tool storage
- Orange interior for easy tool visibility
- Molded kick plate to protect from the elements
- Wide open interior easily accommodates large tools
- Load tested up to 200-pound (90.7 kg)
- Heavy-duty telescoping handle
- Water resistant



Number of Pockets	Width	Length	Height	Material	Color	ManufacturerNo	Order No.	Regular Price	SALE
24	12-1/2"	19"	14"	600D Ballistic Weave	Black/Orange	55452RTB	KP6012920	312.05	280.95

28843

HARPER 600 & 700 Lb. Drum Cradle

- Constructed of 1" OD x 14 gauge steel tubing
- "Non-skid" features on front rockers to prevent frame from sliding when drum is tipped
- 5" Rubber wheels and 3" rubber casters

#8818-41

- Welded
- Bung drain is 21" off floor in horizontal position
- For use with 30 and 55 gallon drums
- Comes with two break-over retractable handles
- Ships by truck

#8618-41KD

- Shipped knocked down in a 36" x 23-1/2" x 3-1/2" carton
- Bung drain is 18-7/8" off floor in horizontal position
- For use with 55 gallon drums
- Comes with one break-over retractable handle
- Ships UPS Dimensional



RV30861841KD



RV30881841

Style	Drum Capacity	Order No.	Regular Price	SALE
Knocked Down	600 lbs	RV30861841KD	335.08	301.95
Welded	700 lbs	RV30881841	297.57	267.95

Knockdown version may ship UPS dimensional rates

5345

CRESCENT JOBOX Heavy-Duty Chest

The toughest chests in the world. Designed for premium access, weather resistance, and security, the JOBOX chest yields a plethora of features including four-way skid bolsters, and a visual, three-point locking system. Need help with organization? Check out JOBOX's chest accessories including divider kits and removable trays.

- Grip-Rite™ Lifting Channel
- Site-Vault™ Security System
- Fully Welded Padlock Housing
- EZ-Loader™ Skid Bolsters
- Recessed Handles
- Welded Corner Gussets Reinforce Body
- 1" Locking Arms
- Full-Length "A-Frame" Lid Bolster
- Staked and Welded Hinge
- 7-Gauge, One-Piece Bolsters Resist Damage When Dropped



Width	Height	Depth	ManufacturerNo	Order No.	Regular Price	SALE
24"	27-3/4"	48"	1-654990	KN6110095	1138.27	1023.95
60"	27-3/4"	24"	1-655990D	KN6110096	1377.66	1239.95

Ships FOB from stocking location
While Supplies Last

22556

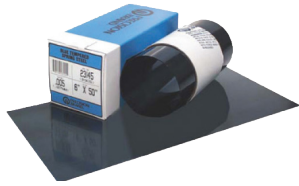
MEASURING TOOLS



Blue Tempered Shim Stock

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

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



Roll					
Width	Length	Thickness	Order No.	Regular Price	SALE
3"	50"	0.002"	MA5223110	49.66	36.95
3"	50"	0.003"	MA5223120	52.12	39.10
5"	50"	0.004"	MA5223130	56.28	44.95
6"	50"	0.005"	MA5223145	49.66	36.95
6"	50"	0.006"	MA5223155	49.46	36.95
6"	50"	0.007"	MA5223165	50.43	39.95

Sheet					
Width	Length	Thickness	Order No.	Regular Price	SALE
6"	25"	0.008"	MA5223170	58.92	46.95
6"	25"	0.010"	MA5223180	64.23	50.95
6"	25"	0.012"	MA5223200	66.24	52.95
6"	25"	0.015"	MA5223220	72.02	53.95
6"	25"	0.020"	MA5223240	83.81	66.95
6"	25"	0.025"	MA5223260	95.81	71.95
6"	25"	0.032"	MA5223280	106.17	79.95

24410

Fowler X-DEPTH 22-E Electronic Depth Gage

- 0-1" travel electronic indicator with 3/8" stem
- Zero reset at any position
- On/off button
- Relative/absolute measuring
- Bottom surface of the base is hardened, ground & lapped
- Full 22" range
- Resolution .0005" / 0.01mm
- Hold feature
- 4" Base
- Includes 2 extra points for small hole applications; one .078" dia. x 1" long and one needle point x 1" long
- Includes shop-hardened case



Order No.	Regular Price	SALE
NA5554125777	345.86	310.95

3763

Fowler IP54 Depth Micrometer

Coolant, Water & Oil Resistant

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



Order No.	Regular Price	SALE
NA5554225456	286.73	257.95

3647

Mitutoyo Coolant Proof Micrometers

Series 293 - with Dust/Water Protection Conforming to IP65 LevelNo Data Output



- 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

Measuring Range	Thimble Type	Accuracy	Order No.	Regular Price	SALE
0"-1" / 0 mm-25.4 mm	Ratchet	±0.00005"	MT80293-340-30	232.78	186.20
1"-2" / 25.4 mm-50.8 mm	Ratchet	±0.00005"	MT80293-341-30	283.25	226.60
2"-3" / 50.8 mm-76.2 mm	Ratchet	±0.00005"	MT80293-342-30	354.32	283.50
3"-4" / 76.2 mm-101.6 mm	Ratchet	±0.0001"	MT80293-343-30	424.36	317.95

4155

Mitutoyo Digimatic Micrometers

SERIES 293 MDC- Lite

- Carbide tipped measuring faces
- Uses (1) SR44 battery (included)
- Large LCD screen
- Resolution .00005" / 0.001mm
- No data output
- Supplied in fitted case
- Replacement battery order number is KA56357BP3



Minimum Measurement	Maximum Measurement	Thimble Type	Order No.	Regular Price	SALE
0"	1" / 25.4 mm	Ratchet	MT80293-330-30	280.16	251.95
1"	2"	Ratchet	MT80293-331-30	329.60	308.00
2" / 50.8 mm	3" / 76.2 mm	Ratchet	MT80293-332-30	407.88	366.95

4218

PROCHECK PREMIUM 0-3" IP54 SmartMic

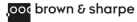
Micrometer Set

- Inch / metric measuring modes
- Easy-to-read extra large LCD display
- Metal thimble with ratchet for consistent applications of measuring force
- Carbide anvil
- SPC Data Port
- Compatible with 3 Procheck data output options: USB or Bluetooth wireless and hardwire connect (Not included)



Order No.	Regular Price	SALE
PC20EM03SMLI5	473.38	425.95

4345



0-6" Dial-Cal Calipers

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



Model No	Dial Face Color	Order No.	Regular Price	SALE
599-579-4	White	MV4551774	197.76	160.50
599-579-5	Black	MV4551879	197.76	160.50

3346



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	98.03	87.95

3785

Fowler Dial Calipers

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



Measuring Range	Order No.	Regular Price	SALE
0-12"	NA5552008012	303.55	242.80

28700



Electronic Calipers

- RS232C Direct output
- Hold feature
- Preset mode now includes offset for inside jaws
- All sizes feature fine adjustment screw
- Resolution: .0005"/0.01mm
- Inch/metric conversion
- Includes wooden case



Measuring Range	Inside Jaw Depth	Order No.	Regular Price	SALE
0-12" / 0-300 mm	3.5"	NA5554100312	289.13	259.95
0-24" / 0-600 mm	4"	NA5554100024	425.33	382.95
0-40" / 0-1000 mm	6"	NA5554100042	1425.06	1282.95

3786

Fowler Euro-Cal IV 6" Electronic Calipers

- Range: 6"/150mm
- Reads in inch, metric & fractions
- Resolution: .0005"/0.01mm (fractions in 1/64th increments)
- Direct inch/metric/fraction conversion
- Absolute incremental measurement
- Water resistant to IP54 standards
- Stainless steel frame
- 4-Way measuring
- RS232 output
- Includes molded plastic case



Measuring Range	Order No.	Regular Price	SALE
0-6" / 0-150 mm	NA55541003301	163.71	146.95

3533

Mitutoyo Dial Calipers

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



Measuring Range	Order No.	Regular Price	SALE
0-6"	MT80505-742J	147.29	117.80
0-8"	MT80505-743J	215.27	172.20
0-12"	MT80505-746	327.54	262.00

4113

Fowler Poly-Cal™ Electronic Caliper

Inch/Metric/Fraction

- Range 6"/150mm
- Polycarbonate frame
- Large easy-to-read display
- Resolution .0005"/0.01mm, fractions by 1/64 increments
- Absolute / incremental measurement
- 4-Way measuring
- Accuracy +/- .008"
- Supplied with vinyl pouch



Order No.	Regular Price	SALE
NA5554101175	371.4	32.95

3692

Mitutoyo 6" / 150mm Digimatic Calipers

- Both a 5 digit LCD display and an imprinted line scale
- Convenient thumb wheel
- Stainless steel construction
- Inside, outside, depth and step measurements
- Absolute scale
- Repeatability: .0005"
- Control switch: on/zero off, inch/metric, data/hold



Measuring Range	Output	Order No.	Regular Price	SALE
0-6" / 0-150 mm	With Output	MT80500-171-30	213.21	191.95
0-6" / 0-150 mm	Without Output	MT80500-196-30	182.31	145.80

4121

MEASURING TOOLS

PRC CHECK 6" Lite-Cal Electronic Caliper

- Range: 6" / 150mm
- Polycarbonate frame
- Large easy-to-read display
- Resolution: .0005" / .01mm (Fractions by 1/64" increments)
- Absolute / Incremental Measurement
- Direct inch / metric / fraction conversion
- 4-way measuring
- Accuracy: +/- .008"
- Supplied with clip-on vinyl pouch
- 1 Year Warranty



Order No.	Regular Price	SALE
PC20EC06150FP	24.48	21.95

4407

PRC CHECK ABSOLUTE 0 - 6" Digital Caliper & Depth Attachment

With Absolute Encoding Technology

- IP54 protection
- Data output port (PC26DCBL5PIN USB/SPC Kit Optional)
- Resolution: .0005"/0.01mm
- Accuracy: .001"/0.02mm
- Caliper depth base attachment included



Order No.	Regular Price	SALE
PC20EC061505ABD	98.46	88.95

4548

PRC CHECK Heavy Duty Electronic Long Range Calipers

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



Measuring Range	Inside Jaw Depth	Order No.	Regular Price	SALE
0-24" / 0-600 mm	4"	PC20EC246005HD	406.26	365.95
0-40" / 0-1000 mm	6"	PC20EC4010005HD	908.25	816.95

4620

PRC CHECK 0 - 6" Electronic Caliper

IP67 Protection

- Inside & outside measures
- Hardened stainless steel with precision lapped finish
- Replacement battery: KA56ECR2032



Caliper Type	Order No.	Regular Price	SALE
IP67	PC20EC061505167	100.39	89.95

4638

Starrett No. EC799A & EC799B Basic Electronic Calipers

No SPC Output

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



Measuring Range	Order No.	Regular Price	SALE
0-6" / 0-150 mm	MV7000142	213.21	191.95
0-6" / 0-150 mm	MV7000143	246.17	221.95
0-6" / 0-150 mm	MV7000144	355.35	319.95
0-6" / 0-150 mm	MV7072665	293.55	263.95
0-12" / 0-300 mm	MV7000148	490.28	440.95
0-8" / 0-200 mm	MV7000145	303.85	272.95
0-8" / 0-200 mm	MV7072685	388.31	348.95
0-8" / 0-200 mm	MV7000146	325.48	292.95
0-8" / 0-200 mm	MV7000147	454.23	408.95
0-12" / 0-300 mm	MV7000149	901.25	810.95
0-12" / 0-300 mm	MV7000150	1,049.57	944.95

† With standard letter of certification

5090

FLUKE 87-5 Digital Multimeter

Fluke 80 Series V Digital Multimeters: The Industrial Standard. The most trusted industrial multimeter in the business. Designed and built in the U.S.A. Lifetime warranty.

- True-RMS ac voltage and current for accurate measurements on non-linear signals
- Selectable filter for accurate voltage and frequency measurements on motor drives
- 0.05 % dc accuracy
- 6000 counts, 3-3/4 digits
- Measure up to 1000 V ac and dc
- Measure up to 10 A, 20 A for up to 30 seconds
- Built in thermometer lets you carry one less tool (TC probe included)
- Frequency to 200 kHz and % duty cycle



Order No.	Regular Price	SALE
FL0612920	537.65	501.00

29879

FLUKE T5-600 Electrical Tester

The T5-600 Electrical Tester is a versatile troubleshooting tool you can carry to every job site. Use it to check voltage, continuity, and current, all with one compact, rugged tool. Just select volts, ohms, or current and the tester does the rest. For higher voltage applications check out the Fluke T5-1000.

- Automatically measures volts AC and volts DC with precise digital resolution
- Displays resistance to 1000 Ω
- Easy and accurate OpenJaw™ current measurement
- Detachable SlimReach™ probe tips are customized for national electrical standards
- Continuity beeper
- Rugged enough to withstand a 10 ft (3 m) drop
- Auto off mode to conserve battery life
- 2 year warranty



Order No.	Regular Price	SALE
FL0713140	164.79	147.95

29899

KLEIN TOOLS GFCI Receptacle Tester

- Detects the most common wiring problems in standard and GFCI receptacles
- Works on GFI outlets and confirms operation of the ground fault protective device
- Built to withstand a 6.6-foot (2m) drop
- Operating temp: 32-Degree to 140-Degree Fahrenheit (0-Degree to 40-Degree Celsius)
- Nominal Voltage: 110/125V AC at 50/60Hz in 3-wire outlet



ManufacturerNo	Order No.	Regular Price	SALE
RT210	KP6016135	17.63	15.95

30008

KLEIN TOOLS Torpedo Billet Level

- Level's patented magnet track prevents powerful rare earth magnets from falling out
- Large, easy-to-read high-visibility vials at 4 angles: level, 90, 45, and 30 degrees
- Large, top-view vial window enables easy readability from multiple angles
- High-visibility orange body is easy to see on conduit and at the jobsite
- V-Groove fits contour of conduit and pipe
- Tapered nose easily pushes into pockets



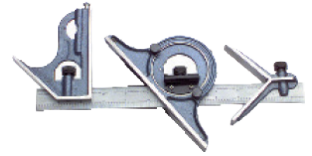
Model No	Order No.	Regular Price	SALE
935RB	KP6016175	41.16	36.95

30017

PRO-CHECK 12" Combination Square Sets

Sets consist of:

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



Number of Pieces	Order No.	Regular Price	SALE
2	NB60CS122	29.17	22.95
3	NB60CS123	36.77	28.95
4	NB60CS124	67.10	59.95

4367

Fowler Mini-Mag Protractor

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

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



Order No.	Regular Price	SALE
NA55544224501	130.86	117.95

3682

Fowler PLUS Digi Level

Features:

- Super large 18mm backlit display
- Includes a 6" straight edge with beveled edge and 1/64ths graduations
- Bluetooth model available
- V's on top and bottom for measuring on cylindrical surfaces
- Embedded magnets on bottom base for vertical and horizontal hold
- IP65 protection
- Rechargeable battery
- USB charging cable supplied
- Auto inverting display
- 6" Straight Edge PLUS Included with Purchase! Useful for layout and alignment applications!



Accuracy	Measurement Range	Operation Type	Order No.	Regular Price	SALE
+/-0.2°	360° (4 x 90°)	Level	NA55544225500	155.41	137.95
+/-0.2°	360° (4 x 90°)	Level	NA5554422550BT	175.59	156.00

29361

MEASURING TOOLS

KOMELON The Professional™ Power Tapes

- Impact resistant case construction designed for comfort and strength
- Nylon coated blade for maximum durability
- Inch/metric scale



Blade Width	Blade Length	Order No.	Regular Price	SALE
5/8"	12'	MZ554912IM	6.59	5.95
3/4"	16'	MZ554916IM	9.79	8.95
1"	25'	MZ554925IM	12.88	11.95
1"	30'	MZ554930IM	15.35	13.95

3992

CRESCENT Lufkin COMMAND CONTROL SERIES™ YELLOW CLAD TAPE MEASURE

- Matte clear protective blade coating for better visibility and durability of the blade
- Tether hole for safely working at heights
- 360-degree end hook and 12-foot stand out make one-person use easier
- Anti-pinch, fingertip control feature for increased control when retracting the tape
- Protected lock button and 6-point dual material case for increased durability



Blade Length	Blade Width	Graduation	Order No.	Regular Price	SALE
16'	1-3/16'	1/16"	MZ50L1016C02	22.39	19.95
25'	1-3/16'	1/16"	MZ50L1025C02	26.87	23.95
25'	1-3/16'	1/10ths, 1/100ths, 1/16"	MZ50L1025CD02	29.86	26.95
8 m, 26'	1-3/16'	1/16"/MM	MZ50L1025CME02	26.87	23.95
30'	1-3/16'	1/16"	MZ50L1030C02	34.34	30.95
35'	1-3/16'	1/16"	MZ50L1035C02	37.33	33.95
10 m, 33'	1-3/16'	1/16"/MM	MZ50L1035CME02	37.33	33.95

30815

GENERAL Wet / Dry Video Scopes

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



Features	Probe Diameter	Order No.	Regular Price	SALE
Non-Recording	8 mm	NB49DCS600A	192.03	172.95
Recording	8 mm	NB49DCS660A	253.01	227.95

3879

PROCHECK Loupe Magnifiers with LED & UV Light

Light

- Metal frame body
- Distortion free lenses
- LED and UV lighted lens
- 20X lenses
- Leather case included
- 1 Year Warranty



Magnification	Order No.	Regular Price	SALE
20X	PC22L20XLUV	60.15	53.95
10X	PC22PC22L10XLUV	52.81	47.95

4662

PROCHECK 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	116.21	104.95

4664

INSIZE Digital Measuring Microscope

10X - 200X Power

- Short focus distance type
- Illumination built in adjustable LED
- Power supply USB
- Can take pictures and videos
- Supplied with software
- Class 2B
- Standard ANSI B1.2



Order No.	Regular Price	SALE
SZ20ISMPM200SB	475.86	427.95

3953

PRO-CHECK Radius Gage Sets

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



Minimum Radius	Maximum Radius	Number of Pieces	Order No.	Regular Price	SALE
1/64"	1/2"	25	NB67L300CX	49.58	44.95
9/16"	1"	8	NB67L300E	135.42	121.95

4776

PRO-CHECK Feeler Thickness Gages

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



Number of Leaves	Tapered or Parallel	Thicknesses Included	Order No.	Regular Price	SALE
26	Parallel	0.0015" to 0.025"	NB45STG26	10.41	8.95
9	Parallel	0.0015" to 0.015"	NB45STG9	5.41	4.95
26	Tapered	0.0015" to 0.025"	NB45TTG26	9.52	7.95

4594

Mitutoyo Pitch Gages

- Pitch size stamped on each gage



Pitch Range	Number of Leaves	Thread Angle	Order No.	Regular Price	SALE
4"-42"	30	60°	MT80188-111	37.39	29.95
4"-42"	51	60°	MT80188-151	63.65	50.95
0.40 mm-7.00 mm	18	-	MT80188-121	29.97	23.95
0.40 mm-7.00 mm	21	-	MT80188-122	49.90	39.95

4186

EMUGE FRANKEN Precision Fixed Limit Thread Gages - Double End, Go/No-Go

- UNF-2B, UNC-2B and Metric-6H Classifications
- Exceptionally hardened tool steel and highly accurate
- Stable thread starts for easy insertion
- Eliminate thread damage in demanding environments
- Short form Certificate of Accuracy is furnished free with each gage



Thread Size	Pitch	Order No.	Regular Price	SALE
M3x0.5	0.5	ER4501001000030	131.13	117.95
3/8"-16	16	ER4501001005011	99.78	89.95
7/16"-14	14	ER4501001005012	103.99	93.95
#10-32	32	ER4501001005041	98.48	88.95
1/4"-28	28	ER4501001005043	94.26	84.95
5/16"-24	24	ER4501001005044	97.93	87.95
3/8"-24	24	ER4501001005045	99.78	89.95
7/16"-20	20	ER4501001005046	103.99	93.95
1/2"-20	20	ER4501001005047	113.61	101.95
1/2"-13	13	ER4522160	113.61	101.95
5/16"-18	18	ER4501001005010	97.93	87.95
#10-24	24	ER4501001005007	98.48	88.95
#8-32	32	ER4501001005006	100.95	90.95
M4x0.7	0.7	ER4501001000040	115.06	103.95
M5x0.8	0.8	ER4501001000050	128.45	115.95
M6x0.1	0.1	ER4501001000060	107.04	95.95
M8x1.25	1.25	ER4501001000080	107.04	95.95
M10x1.5	1.5	ER4501001000100	86.30	77.95
M12x1.75	1.75	ER4501001000112	108.38	97.95
#2-56	56	ER4501001005001	137.09	122.95
#4-40	40	ER4501001005003	114.17	102.95
#6-32	32	ER4501001005005	105.09	94.95
1/4"-20	20	ER4522159	93.17	83.95

30941

PRECISION BRAND 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	148.05	117.95

1476

GENERAL Digital Stop Watch

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



Order No.	Regular Price	SALE
NB49SW269	20.31	17.95

3843

MEASURING TOOLS

PRO-CHECK Mechanical Production Counters

Hand Tally Type:

- Each time thumb lever is depressed a unit appears on dial
- Chrome finish
- Registers 0 to 9999

Machine Type:

- Arm and spring actuate counter
- Knob resets to zero
- 4 flange holes for rigid mounting
- Arm may be in any position
- Registers 0 to 99999



Mounting Type	Number of Digits	Order No.	Regular Price	SALE
Hand	4	MB50251	10.00	8.95
Machine	5	MB50250	10.00	8.95

4702

INSIZE Dial Indicators

- Lug back
- Limit pointers and bezel clamp provided
- Supplied with certification
- Meets ASME B89.110M-2001



Model No	Total Range	Order No.	Regular Price	SALE
2307-1	1"	SZ2023071	43.67	38.95
2307-2	2"	SZ2023072	104.03	93.95

3941

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	429.51	343.60
0.0001"	.016"	11/16"	1"	312B-4	MV4041681	434.66	347.70
0.001"	.060"	11/16"	1"	312B-20	MV4041682	353.29	282.95
0.0005"	.060"	11/16"	1-1/2"	312B-1	MV4042775	348.14	278.50
0.0005"	.060"	11/16"	1"	312B-2	MV4086150	348.14	278.50

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	398.40	318.95
0.0005"	.060"	11/16"	1"	312B-2V	MV4041686	366.68	292.95
0.001"	.060"	11/16"	1"	312B-20V	MV4041687	389.34	310.95

3964

Mitutoyo "Quik-Set" Test Indicators with Dovetail Mount

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



- Jeweled bearings
- Automatic reverse

Dial Color	Range per Revolution	Graduation	Dial Reading	Order No.	Regular Price	SALE
White	0.008"	0.0001"	0-4-0	MT80513-403-10T	231.75	184.95
White	0.030"	0.0005"	0-15-0	MT80513-402-10T	180.25	143.95
White	0.030"	0.0005"	0-15-0	MT80513-412-10T	251.32	200.95
Yellow	0.2mm	0.002 mm	0-100-0	MT80513-405-10T	223.51	178.95

4202

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	135.96	108.95

4212

PRO-CHECK 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 B89.110M-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	PC-21DI2121BC	39.67	35.95
Dial Indicator	AGD 2	1"	Black	2-1/4"	0.001"	Certified	PC-21DI2011BC	39.67	35.95
Dial Indicator	AGD 2	1"	White	2-1/4"	0.001"	Certified	PC21DI-2011WC	39.67	35.95
Dial Indicator	AGD 2	1"	White	2-1/4"	0.0005"	Certified	PC21DI-2015WC	44.26	39.95
Dial Indicator	AGD 2	2"	Black	2-1/4"	0.001"	Certified	PC-21DI2021BC	81.42	72.95
Dial Indicator	AGD 2	2"	White	2-1/4"	0.001"	Certified	PC21DI-2021WC	81.42	72.95
Dial Indicator	AGD 2	1/2"	White	2-1/4"	0.001"	Certified	PC21DI-2121WC	39.67	35.95

30766

PROCHECK AGD Dial Indicators

- 0-100 Reading
- Revolution counter
- Lug back
- Satin chrome finish
- Interchangeable point (4-48 thread)



Total Range	Indicator Style	Graduation	Order No.	Regular Price	SALE
1.0"	AGD 2	0.001"	NB70NDI	26.93	23.95

4443

TESA | **brown & sharpe** Edge Finders

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



End Type	Shank	Tip Diameter	Order No.	Regular Price	SALE
Single End	1/2"	0.500"	MV4544595	20.60	17.25
Double End	1/2"	0.200" x 0.500"	MV4544596	28.84	24.25

3365

PROCHECK Co-Axial Dial Indicators

- Designed for centering a work piece of fixture
- Operates at any angle, use vertical or horizontal
- While spindle rotates, the centering indicator always faces the operator with use of restraining rod (included)
- Center point feeler plus straight and curved feelers 4", 8" and, 12"
- Fitted plastic case
- 1 Year Warranty



Total Range	Range per Revolution	Graduation	Dial Face Diameter	Order No.	Regular Price	SALE
.240	.040	.0005	1-1/2	PC21CI250I	199.81	179.95
6mm	1mm	0.01mm	1-1/2	PC21CI250M	181.41	162.95

4506

Fowler Electronic Edge Finder

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



Order No.	Regular Price	SALE
NA5554575600	46.78	41.00

3628

PROCHECK ABSOLUTE Digital Mini Indicators

- Absolute technology that memorize origin zero
- IP54 Protection, origin set, preset value
- Optional USB data kit (PC26DCBL5PIN) available
- Compatible with optional wireless adaptor (PC26WTD1ABS)
- Resolution: .00005"/0.001mm
- Accuracy: .0016"
- Carbide tip
- Connect and interactive with Procheck absolute digital height gages
- 1 Year Warranty



Total Range	Order No.	Regular Price	SALE
0-1" / 0.254	PC20EIM015ABEM	211.18	189.95
0-2" / 0.50	PC20EIM025ABEM	281.63	252.95

4552

PROCHECK Individual Edge & Center Finders

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



Style	End Type	Shank	Tip Diameter	Order No.	Regular Price	SALE
Edge	Single End	1/2"	0.500"	NE60083	5.85	4.95
Edge	Double End	1/2"	0.200" x 0.500"	NE60084	6.37	4.95
Edge	Single End	3/8"	0.200"	NE60085	6.03	4.95
Edge/Center	Double End	1/2"	0.200" x Point	NE60086	9.01	7.95
Edge/Center	Double End	3/8"	0.200" x Point	NE60087	7.32	5.95
Edge	Single End	1/2"	0.200"	NE60088	6.37	4.95
Center	Single End	3/8"	Point	NE60089	6.00	4.95
Center	Single End	1/2"	Point	NE60090	7.24	5.95

4650

MEASURING TOOLS

Starrett Edge Finders



827 Series

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

Style	Shank	Tip Diameter	End Type	Order No.	Regular Price	SALE
Edge	3/8"	0.200"	Single End	MV7053062	39.14	34.95
Edge/Center	1/2"	0.200" x Point	Double End	MV7053063	46.87	41.95
Edge	10 mm	6 mm	Single End	MV7056041	40.17	35.95

5028



Magnetic Base

- 3/8" 8mm, 6mm & dovetail clamp
- Unique 3 point arm lock system
- Improved "at base" single direction fine adjustment
- 180 LBF magnetic base with on/off switch



Order No.	Regular Price	SALE
FN60PH2040	55.77	38.95

4267



Flex Dial Gage Holders

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



Pull Force	Stem Hole	Description	Order No.	Regular Price	SALE
61 lbf	3/8"	Always-On Flex Dial Gage Holder with 360 Degree Fine Adj at Base	FN60NF1033	136.55	95.95
70 lbf	3/8"	Flex Dial Gage Holder with 360 Degree Fine Adj at Base	FN60NF1024	138.97	96.95
70 lbf	3/8"	Power On/Off Flex Holder with Fine Adjustment at Base-Standard Arm	FN-60NF10433	120.29	83.95
70 lbf	3/8", 6 mm, or 8 mm	Flex Dial Gage Holder with Fine Adjustment on Top Clamp	FN-60NF61003	110.56	76.95

28627



Central Lock Universal Magnetic Base

- Magnetic base indicator holder with triple-jointed arm
- Three adjustable joints controlled by a single knob
- Powerful compact magnetic base
- Positive On/Off switch
- 1 Year Warranty



Order No.	Regular Price	SALE
PC21CLMB7FA	61.90	55.95

4491



Double Fine Adjustment Magnetic Base

Model DG6160

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



Order No.	Regular Price	SALE
FN60DG6160	168.54	117.95

4262



Universal Articulating Arm Magnetic Base

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



Order No.	Regular Price	SALE
PC21MBAA85LB	81.09	72.95

4853

Fowler X-BLOX V-Block Set

2 Each @:

- Dimensions: 1-1/2"L x 1-1/4"W x 1-1/4"H
- Work capacity: approximately 1"

2 Each @:

- Dimensions: 2"L x 1-1/2" x 1-1/2"H
- Work capacity: 1-1/2"

All Feature:

- Surfaces are square and parallel within .0005"
- V-Grooves are square and parallel with all surfaces within .0005"
- Corresponding dimensions for each pair are alike within .0005"
- All enclosed in shop hardened case



Order No.	Regular Price	SALE
NA5552475500	196.53	176.95

3757

Fowler XTRA MAG Versatile Universal & Mag Base Combo

Test Indicator:

- Range: .030"
- Reading: 0-15-0
- Jewelled movement
- Graduation: .0005"
- Auto-reversing
- .080" Diameter point

Mag Base:

- Two universal ball sockets
- Microfine adjustment screw
- 3-9/16" Extension arm
- Dovetail mounting



Order No.	Regular Price	SALE
NA5552585100	202.69	161.95

3776

PRO-CHECK Bench Block

- 3" Diameter, 1-1/2" height
- 7 Hole, 1/8" to 5/8" diameter
- Very handy for holding work when driving pins, drilling, etc.
- V-Groove across the face accommodates round and odd shaped stock
- Smooth finish on the face preserves the work being held
- Hardened and ground knurled body for a firm grip



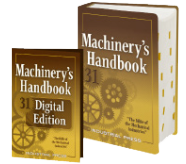
Order No.	Regular Price	SALE
NE60MBB0370	22.63	19.95

4457

Machinery's Handbook - Digital Format

31st Edition

- Complete text search
- Interlinks to related topics and examples
- Extensive cross-referencing between CD and print edition makes them perfect complements



Title	Order No.	Regular Price	SALE
Machinery's Handbook, 31st Edition, Digital Upgrade	MY5039315	72.05	64.95
Machinery's Handbook, 31st Edition, Digital	MY5038318	149.30	133.95
Machinery's Handbook, 31st Edition, Large Print and Digital Combo	MY5040311	257.45	231.95
Machinery's Handbook, 31st Edition, Toolbox and Digital Combo	MY5041318	231.70	208.95

3909

Machinery's Handbook and Machinery's Handbook Guide

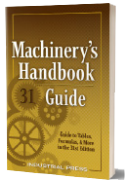
31st Edition

Contains useful, practical, and hard-to-find information, and provides a wealth of engineering and shop standards, illustrations, formulas, and readable tables and graphs.

Authors: Oberg, Jones, Horton & Ryffel, 2,896 Pages

Features:

- Provides extensive coverage of mathematics, cutting tools, speeds and feed, screw thread systems, metallurgy, metrology, and other critical topics
- Metric and inch dimensions of: bolts, nuts, and screws; rivets; pins and dowels; tapers; steels and non-ferrous metals; and more
- Cross-references important subjects for greater convenience



Title	Order No.	Regular Price	SALE
Machinery's Handbook, 31st Edition, Guide	MY5043312	41.15	36.95
Machinery's Handbook 31st Edition, Large Print Edition	MY5036314	180.20	161.95
Machinery's Handbook 31st Edition, Toolbox Edition	MY5037311	144.15	129.95

3911

Jergens Inspection Balls

- Material: 8620 steel
- Case hardened
- Used as reference points for inspection applications in conjunction with Coordinate Measuring Machines to accurately measure the workpiece
- Concentricity of ball to shank - .0001 T.I.R.
- One-piece construction



Ball Diameter	Shank Diameter	Center of Ball to Under Shoulder	Center of Ball to End	Thread Size	Shoulder Diameter	Order No.	Regular Price	SALE
0.2500"	0.1247"	0.2000"	0.5800"	-	1/4"	SG6629060	119.38	106.95
0.3750"	0.1872"	0.3000"	0.7500"	-	3/8"	SG6629061	119.38	106.95
0.3750"	0.3125"	0.3000"	0.7400"	#8-32	1/2"	SG6629062	170.98	153.95
0.5000"	0.2497"	0.3125"	0.6300"	#6-32	1/2"	SG6629063	125.97	112.95
0.5000"	0.2497"	0.4000"	0.9300"	#6-32	1/2"	SG6629064	125.97	112.95
0.5000"	0.2497"	0.5000"	0.8800"	#6-32	1/2"	SG6629065	125.97	112.95
0.5000"	0.3750"	0.3750"	1.3100"	#10-24	5/8"	SG6629066	125.97	112.95
0.6250"	0.3750"	0.4500"	1.4200"	#10-24	5/8"	SG6629068	125.97	112.95
0.6875"	0.3750"	0.5000"	1.4700"	#10-24	3/4"	SG6629069	125.97	112.95
0.7500"	0.3750"	0.5625"	1.5300"	#10-24	3/4"	SG6629070	140.60	126.95
1.0000"	0.5000"	0.7000"	1.6400"	#10-24	1"	SG6629071	140.60	126.95

3971

HAND TOOLS

STANLEY 14-in-1 Multi-Tool

- 14 tools in 1 for versatility
- Compact design for easy portability and storage
- Side plate construction for durability
- Folds and locks at 90°, 135° and 180° to help prevent slippage
- 400 in-lbs max torque

Includes:

- 14-in-1 Multi-Tool
- Knife
- Saw
- 1/4" Drive
- File
- Bottle Opener
- 10mm, 11mm, 12mm 13mm Sockets
- 1/4" Drive Adaptor
- 5mm, 6mm Hex Bits
- #1, #2 Phillips Bit
- 6-8, 8-10 Standard Bit



Number of Functions	Model No	Order No.	Regular Price	SALE
14	STHT70695	KP433084	\$22.98	\$19.40

7683

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



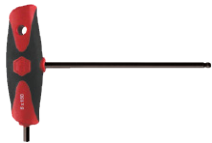
Torx Size	Order No.	Regular Price	SALE
T6	KN7010306	\$3.32	\$2.70
T7	KN7010307	\$3.32	\$2.70
T8	KN7010308	\$3.32	\$2.70
T9	KN7010309	\$2.95	\$2.40
T10	KN7010310	\$2.95	\$2.40
T15	KN7010315	\$2.95	\$2.40
T20	KN7010320	\$2.95	\$2.40

6951

wiha Metric 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
2 mm	KN5433442	\$6.49	\$4.95
2.5 mm	KN5433444	\$6.53	\$4.95
3 mm	KN5433446	\$7.23	\$5.95

Dual Drive Ball End Hex			
Ball End Size	Order No.	Regular Price	SALE
4 mm	KN5433448	\$7.75	\$5.95
5 mm	KN5433450	\$9.35	\$6.95
6 mm	KN5433452	\$9.95	\$7.95
8 mm	KN5433454	\$14.45	\$11.95
10 mm	KN5433458	\$19.02	\$14.95

†Balldriver feature unavailable for size

7988

CRESCENT H.K. PORTER Strap Cutters

- Shear-cut blades give clean smooth easy cuts
- Workhead has black oxide, clean resistant finish
- Cushion grip handles



Length	Flat Cut	Round Cut	Order No.	Regular Price	SALE
9"	3/4" x .035	Up to 14 Gauge	KR550990T	\$231.47	\$196.95
12"	1 1/4" x .050	-	KR551290G	\$223.49	\$189.95
24"	2" x .050	-	KR552690GP	\$502.88	\$426.95

6697

IRWIN 10 Pc. Screw Extractor & Cobalt Drill Set

- Removes bolts & screws from 3/32 thru 5/8 and 2-5mm thru 16mm
- Comes with 5 left hand drill bits
- Sturdy metal case



Number of Pieces	Set Includes	Case Type	Order No.	Regular Price	SALE
10	Right Hand Cobalt Drills	Blister Pack	EW5111117	\$52.73	\$41.95
10	Left Hand Cobalt Drills	Blister Pack	EW5111119	\$74.64	\$59.95

6715

TEKTON Hammers

- High strength fiberglass handle is protected by an impact resistant poly jacket
- Soft, comfortable rubber grip provides sure, non-slip control
- Permanent head-to-handle epoxy bond will not loosen over time
- Sharpened claw generates maximum nail-pulling leverage
- Mag head on models noted have magnetic slot that holds nail so you can start it and drive it with one hand
- Always guaranteed



Claw



Rip Mag Head

Head Weight	Type	Order No.	Regular Price	SALE
16 oz	Claw	KP8530123	\$23.00	\$19.95
16 oz	Rip Mag Head	KP8530323	\$25.96	\$21.95
20 oz	Rip Mag Head	KP8530324	\$29.66	\$24.95
22 oz	Rip Mag Head	KP8530325	\$37.08	\$31.95

7853

wiha Dead Blow Recoilless Hammers

- All steel rugged body
- Steel with cushion or wood handle
- Replaceable press on tips
- Recoilless rugged design
- Steel shot filled



Face Diameter	Head Length	Overall Length	Handle Material	Order No.	Regular Price	SALE
1"	4 1/4"	12 25/32"	Hickory	KN5480025	\$46.90	\$37.95
1 1/4"	4 1/2"	14"	Hickory	KN5480030	\$46.90	\$37.95
1 7/16"	4 5/8"	14 13/64"	Hickory	KN5480035	\$47.09	\$37.95
1 5/8"	5"	15"	Hickory	KN5480040	\$54.13	\$42.95
1 3/4"	5"	15 13/64"	Hickory	KN5480045	\$62.90	\$49.95
2"	5"	15 25/64"	Hickory	KN5480050	\$71.30	\$56.95
1"	4 1/4"	11.3"	Steel	KN5480225	\$54.13	\$42.95
1 1/4"	4 1/2"	11.4"	Steel	KN5480230	\$54.26	\$42.95
1 7/16"	4 5/8"	11.8"	Steel	KN5480235	\$56.93	\$45.95
1 5/8"	5"	12"	Steel	KN5480240	\$64.53	\$51.95
1 3/4"	5"	12.2"	Steel	KN5480245	\$71.98	\$57.95
2"	5"	14.4"	Steel	KN5480250	\$90.60	\$71.95
2 1/4"	6"	14.7"	Steel	KN5480260	\$116.07	\$92.95

7969

TEKTON WILLIAMS Dead Blow Hammers

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



Williams



TEKTON

Williams					
Head Weight	Head Diameter	Overall Length	Order No.	Regular Price	SALE
16 oz	1 1/2"	12"	KP30JHW16	\$42.12	\$31.95
24 oz	1 7/8"	12 3/4"	KP30JHW24	\$48.67	\$36.95
32 oz	2 1/4"	13 1/2"	KP30JHW32	\$56.66	\$41.95
48 oz	2 5/8"	15"	KP30JHW48	\$74.99	\$55.95
56 oz	2 1/2"	15 3/4"	KP30JHW56	\$101.52	\$75.95

TEKTON					
Head Weight	Head Diameter	Overall Length	Order No.	Regular Price	SALE
16 oz	1 1/2"	12"	KP8530703	\$29.66	\$24.95
21 oz	1 3/4"	13"	KP8530704	\$51.91	\$43.95
48 oz	2 3/8"	14"	KP8530706	\$44.50	\$37.95
64 oz	2 5/8"	14 1/2"	KP8530707	\$57.47	\$48.95

7616

PROTO Brass Hammers

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



Head Weight	Overall Length	ManufacturerNo	Order No.	Regular Price	SALE
1.5 lbs	13 1/2"	J1430G	KP4255405	\$58.26	\$49.95
38 lbs	14 3/4"	J1431G	KP4255410	\$179.80	\$152.95
26 lbs	13 3/4"	J1432G	KP4255415	\$103.27	\$87.95

7201

CRESCENT 180 Piece Mechanic's Tool Set

- Newly designed 72T Crescent quick release ratchet
- Carefully selected assortment of hand tools for most industrial, mechanical, and consumer applications.&NewLine-Set includes 1/4", 3/8" drive tools with both SAE & Metric components, to tackle a wide range of projects
- Tools meet stringent new ANSI and ASME specifications and come with a full satisfaction guarantee
- Upgraded set includes a heavy-duty blow molded to keep your tools organized and secure
- Get incredible access from combination wrenches with narrow heads, adjustable wrenches and pliers, and a long-beam ratchets with small teardrop heads
- Blow molded case



Set Includes	Model no	Order No.	Regular Price	SALE
(1) 180 Pc 1/4 and 3/8 Dr 6 Pt SAE/Metric Professional Tool Set, 2 Ratchets 3 Extensions Adapter 51 Standard Sockets 31 Deep Sockets Spark Plug Socket 12 Combination Wrenches 24 Hex Keys 2 Pliers Adjustable Wrench 4 Screwdrivers Magnetic Bit Driver with 46 Bits Bit Adapter	CTK180	KW50CTK180	\$287.35	\$258.95

30732

KLEIN TOOLS 12 Pc. Tool Kit

- The Klein Tools 12-Piece Tool Set includes many of the vital tools needed for electrical wiring and connecting work
- Featured in this tool set are four Klein pliers
- These pliers have plastic-dipped handles for comfort and ease of identification
- Also included are four Cushion Grip Screwdrivers
- This set also comes with a handy work belt and a 18-pocket tool pouch



Number of Pieces	Set Includes	ManufacturerNo	Order No.	Regular Price	SALE
12	9" Lineman's Pliers (Cat. No. D2139NETP), 8" Angled Head Pliers (Cat. No. D2488), 8" Long Nose Pliers (Cat. No. D2038), 10" Pump Pliers (Cat. No. D50210), 10 to 18 AWG Solid Wire Stripper (Cat. No. 11045), 7.5 M Tape Measure (Cat. No. 86375), #2 Phillips Screwdriver 4" Shank (Cat. No. 6034), 1/4" Cabinet Tip Screwdriver 4" Shank (Cat. No. 6054), #1 Square Recess Tip 4" Shank Screwdriver (Cat. No. 661), #2 Square Screwdriver 4" Shank (Cat. No. 662), 18 Pocket Electrician Tool Pouch (Cat. No. 5719), Web Work Belt (Cat. No. 5705)	92003	KP6010810	\$374.45	\$318.30

28990

KLEIN TOOLS 28 Pc. Tool Kit

- 28 piece set of high quality commonly used hand tools for the electrician
- Includes a canvas zipper bag and a 16-Inch (406 mm) canvas tool bag
- Bag is constructed with heavy-duty natural canvas and steel-frame mouth with hinge for rugged.



Set Includes	ManufacturerNo	Order No.	Regular Price	SALE
4 Types of Pliers, (8) Screwdrivers, (7) Nut Drivers, Adjustable Wrench, Power-Return Ruler, Torpedo Level, One Crimper/Cutting Tool, One Wire Stripper/Cutter, Utility Knife, Canvas Zipper Bag, 16" Canvas Tool Bag and Protective Eyewear	80028	KP6010800	\$655.37	\$557.10

28991

KLEIN TOOLS 14 Pc. Journeyman Apprentice Tool Set

- This 14-Piece tool kit gives the trade apprentice a solid foundation of tools to begin their career
- The set includes four sets of pliers, a wire stripper/cutter, two nut drivers, five screwdrivers and a nylon tool pouch and belt to carry them all on the job
- The screwdrivers and nut drivers feature Cushion-Grip handles for better torque and less fatigue
- A variety of tips and shaft lengths cover a wide array of tasks



Number of Pieces	Set Includes	ManufacturerNo	Order No.	Regular Price	SALE
14	9" Journeyman Lineman's Pliers w/ Fish Tape Pulling (Cat. No. J2139NETP), 10" Journeyman Pump Pliers (Cat. No. J502-10), 8" Journeyman Long Nose Pliers (Cat. No. J2038), 8" Journeyman Diagonal-Cutters (Cat. No. J20048), Wire Stripper/Cutter (Cat. No. 11055), #1 Phillips Screwdriver, 3" (Cat. No. 603-3), #2 Phillips Screwdriver, 4" (Cat. No. 603-4), #2 Square Screwdriver, 4" (Cat. No. 662), 1/4" Cabinet-Tip Screwdriver 4" (Cat. No. 605-4), 3/16" Cabinet Tip Screwdriver 6" (Cat. No. 601-6), 1/4" Nut Driver (Cat. No. 630-1/4), 5/16" Nut Driver (Cat. No. 630-5/16), 12-Pocket Tool Pouch (Cat. No. 5720), Work Belt (Cat. No. 5705)	92914	KP6010825	\$390.12	\$331.60

28992

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

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



Color	Order No.	Regular Price	SALE
White	LH5296960	\$3.82	\$3.25
Yellow	LH5296961	\$3.82	\$3.25
Red	LH5296962	\$3.82	\$3.25
Black	LH5296963	\$3.82	\$3.25
Orange	LH5296964	\$3.82	\$3.25
Blue	LH5296965	\$3.82	\$3.25
Green	LH5296966	\$3.82	\$3.25
Silver	LH5296967	\$3.91	\$3.30

23816

KLEIN TOOLS 9" New England Nose Lineman's Pliers

- Klein Tools makes some of the world's finest pliers
- These High-Leverage, Side-Cutting Pliers features a rivet closer to the cutting edge which provides 46-Percent more cutting and gripping power than other pliers
- Induction hardened cutting knives are extra durable for longer life



Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Side Cutter	Model No	Order No.	Regular Price	SALE
9"	1-19/32"	1-1/4"	5/8"	Yes	D213-9NE	KP6011045	\$51.62	\$43.90

29382

HAND TOOLS

IRWIN Locking Clamps & Pliers

- The original locking pliers
- Constructed of high-grade heat-treated alloy steel for maximum toughness and durability
- Hardened teeth are designed to grip from any angle
- Backed by the IRWIN VISE-GRIP Lifetime Guarantee



Long Nose, Wire Cutter - Yes						
Overall Length	Jaw Capacity	Throat Depth	Order No.	Regular Price	SALE	
4"	1 5/8"	-	KX504LN	\$19.37	\$14.95	
6"	2 1/4"	-	KX506LN	\$25.75	\$18.95	
9"	2 7/8"	-	KX509LN	\$30.83	\$22.95	

Overall Length	Jaw Capacity	Throat Depth	Order No.	Regular Price	SALE	
8"	3 1/8"	1 3/4"	KX508R	\$29.08	\$21.95	

23472

IRWIN VISE-GRIP C-Clamps

Small jaw areas at contact points are ideal for working in close quarters



Overall Length	Jaw Capacity	Throat Height	Throat Depth	Order No.	Regular Price	SALE
6"	2 1/8"	2"	1 3/8"	KX506R	\$23.00	\$16.95
11"	3 3/4"	3 3/4"	2 1/2"	KX5011R	\$38.76	\$28.95
18"	8"	4"	9 1/2"	KX5018R	\$56.70	\$42.95
24"	10"	10"	16"	KX5024R	\$69.82	\$51.95

IRWIN VISE-GRIP C-Clamps

with Self-leveling Swivel Pads

- Wide-opening jaws provided a variety of shapes
- Turn screw to adjust pressure and fit work
- High grade heat-treated alloy steel
- Classic trigger release designed to provide maximum locking force



Overall Length	Jaw Capacity	Throat Height	Throat Depth	Order No.	Regular Price	SALE
6"	2 1/8"	2"	1 1/4"	KX506SP	\$25.82	\$18.95
11"	3 3/4"	3 3/4"	2 1/2"	KX5011SP	\$41.65	\$30.95
18"	8"	4"	9 1/2"	KX5018SP	\$58.28	\$43.95

6781

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	\$16.98	\$12.95
5"	11/8"	1/4"	Yes	KX505WR	\$23.93	\$17.95
7"	1 1/2"	5/16"	Yes	KX507WR	\$24.56	\$17.95
7"	1 5/8"	5/16"	-	KX507CR	\$24.56	\$17.95
10"	1 7/8"	3/8"	Yes	KX5010WR	\$25.01	\$18.95
10"	1 7/8"	3/8"	-	KX5010CR	\$25.01	\$18.95

Straight						
Overall Length	Jaw Capacity	Jaw Thickness	Wire Cutter	Order No.	Regular Price	SALE
7"	1 5/16"	5/16"	No	KX507R	\$24.56	\$17.95
10"	1 3/4"	7/16"	No	KX5010R	\$25.01	\$18.95

6796

CHANNEL LOCK Plier Sets

- 3 Pc. Combo Set Includes:**
- 7-1/2" Long nose plier (3017)
 - 7" Cutting plier (337)
 - 10" Tongue & groove plier (430)
- 3 Pc. Griplock® Set Includes:**
- 6" Griplock® plier (GL6)
 - 10" Griplock® plier (GL10)
 - 12" Griplock® plier (GL12)



LB50GS4



LB50GLS3

Set Includes	Order No.	Regular Price	SALE
6", 10", 12" Griplock Pliers	LB50GLS3	\$52.72	\$39.95
7 1/2" Long Nose, 7" Cutting, 10" Tongue & Groove	LB50GS4	\$72.06	\$56.45

22932

GEARWRENCH® 2 Pc. PivotForce™ Compound Action Plier Set

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



Order No.	Regular Price	SALE
KP6582124	\$59.73	\$50.95

29638

6642

CRESCENT WISS Snips

- Metalmaster® Compound Action Snips**
- M1R cuts left from tight curves to straight, and has red vinyl grips
 - M2R cuts right from tight curves to straight, and has green vinyl grips
 - M3R cuts straight, and has yellow vinyl grips
- Metalmaster® Special Series Snips**
- Specially hardened for unusual industrial requirements
 - Up to 18 Gauge capacity



Metalmaster Compound Action Snip					
Left/Right Hand	Blade Length	Overall Length	Order No.	Regular Price	SALE
Left	1 3/8"	9 3/4"	LA50M1R	\$29.86	\$24.95
Right	1 3/8"	9 3/4"	LA50M2R	\$29.86	\$24.95
Left/Right	1 1/2"	9 3/4"	LA50M3R	\$29.86	\$24.95

25565

CRESCENT WISS 8" Bent Trimmer Industrial Shears

- Hot drop-forged nickel plated blades
- Cutting Length: 3-3/4"
- OAL 8.25"
- Cut type - shear cut
- Handle color - black



Order No.	Regular Price	SALE
LA50428	\$43.25	\$36.95

8045

PROTO 12 Pc Punch & Chisel Set

- Made from S2 steel and specially heat-treated for greater strength and durability
- Modified parabolic striking end to help reduce mushrooming and chipping
- Black oxide finish to help prevent rust corrosion; extending tool life and performance
- A polished identification panel on one of the flats is marked with the tool number and size in a black inlay
- Set offers a wide range of sizes to handle a variety of jobs
- Includes a pouch for convenient storage solution



Number of Pieces	ManufacturerNo	Order No.	Regular Price	SALE
12	J2S2	KP4281125	\$115.32	\$92.30

7067

TEKTON 18 Pc. Gunsmith Punch Set

- Pin and roll pin punches smoothly drive out or insert solid pins, hollow pins, and springs and are reverse tapered so they won't stick in workpieces
- Solid punches are stout and powerful to loosen rusted or frozen pins and drive out rivets
- Center punch has a sharp point that marks cast iron, mild steel, brass, aluminum, and wood with a dimpled starting spot for drilling
- All punches have a classic natural finish with a dry-touch, rust-preventative coating
- Solid walnut bench block keeps punches organized and generously spaced so they are easy to grasp



Set Includes	Order No.	Regular Price	SALE
(7pc) Pin punches: 1/16, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4" (8pc) Roll pin punches: 1/16, 5/64, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4 (2pc) Solid punches: 1/16, 3/32" (1pc) Center punch: 5/16", Walnut Bench Block	KP8566564	\$109.39	\$87.95

7812

PROTO Cold Chisels

- Made from S2 steel and specially heat-treated for greater strength and durability
- Hand ground cutting edge to the exact angle for cutting through tough metals
- Modified parabolic striking end to help reduce mushrooming and chipping
- Black oxide finish to help prevent rust corrosion; extending tool life and performance



Tip Size	Length	Order No.	Regular Price	SALE
1/4"	5"	KP4260020	\$8.05	\$6.40
5/16"	5-1/2"	KP4260010	\$8.14	\$6.50
3/8"	5"	KP4260040	\$8.59	\$6.90
7/16"	5"	KP4260035	\$8.32	\$6.70
1/2"	6"	KP4260055	\$10.34	\$8.30
5/8"	6 3/4"	KP4260000	\$11.37	\$9.10
3/4"	7"	KP4260045	\$14.71	\$11.80
3/4"	12"	KP4260050	\$16.40	\$13.10
7/8"	8"	KP4260030	\$21.57	\$17.30
7/8"	12"	KP4260025	\$26.97	\$21.60
1"	8"	KP4260075	\$23.94	\$19.20
1"	12"	KP4260065	\$33.87	\$27.10

7212

Young Bros. 36 Pc. Combination Sets

Letters & Figures

- Each stamp has one thumb groove
- Fine quality steel, special heat treatment gives three distinct hardness zones
- Sharp characters in gothic style insure deep, clear impressions
- Crown hammer end
- Consists of A-Z period and 0 to 9 interchangeable



Character Size	Order No.	Regular Price	SALE
1/16"	KF5001361	\$95.28	\$66.95
3/32"	KF5002361	\$95.28	\$66.95
1/8"	KF5003361	\$95.28	\$66.95
3/16"	KF5005361	\$118.97	\$82.95
1/4"	KF5006361	\$140.60	\$97.95
3/8"	KF5008361	\$218.88	\$152.95
1/2"	KF5009361	\$326.51	\$228.95

25585

BONDHUS Triple Pack (Ball & Torx®)

- 13 Pc. Fractional Ball L-Wrenches .050 to 3/8"
- 9 Pc. Metric Ball L-Wrenches 1.5mm to 10mm
- 8 Pc. Torx® Fold-Up T-6 to T-25



Order No.	Regular Price	SALE
KN5314132	\$64.51	\$38.95

22811

wiha 8 Pc. Hex Soft Grip T-Handle Balldriver Sets

- Available in fractional or metric
- Two tools in one
- Dual drive



Sizes Included	Order No.	Regular Price	SALE
2 mm, 2.5 mm, 3 mm, 4 mm, 5 mm, 6 mm, 8 mm, 10 mm	KN5433496	\$80.27	\$63.95
1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8"	KN5433498	\$75.47	\$59.95

25501

APEX Hex Drive Bit Holder with Quick Release

- 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
- Power bits are best used with quick-release (QR series) chucks



Overall Length	Order No.	Regular Price	SALE
2 29/32"	KW7060950	\$38.11	\$33.95

6458

APEX Torx Plus® Bits Power Drive - 1/4" Drive

- Power bits are best used with quick-release (QR series) chucks



Tip Size	Overall Length	Model No	Order No.	Regular Price	SALE
IP10	1 15/16"	49-10IPX	KW7060465	\$11.55	\$9.95
IP10	2 3/4"	49-A-10IPX	KW7060420	\$12.46	\$10.95
IP10	3 1/2"	49-B-10IPX	KW7060510	\$14.61	\$12.95
IP15	1 15/16"	49-15IPX	KW7060470	\$11.55	\$9.95
IP15	2 3/4"	49-A-15IPX	KW7060425	\$12.46	\$10.95
IP15	3 1/2"	49-B-15IPX	KW7060515	\$14.61	\$12.95
IP20	1 15/16"	49-20IPX	KW7060475	\$11.55	\$9.95
IP20	2 3/4"	49-A-20IPX	KW7060430	\$12.46	\$10.95
IP20	3 1/2"	49-B-20IPX	KW7060520	\$14.61	\$12.95
IP25	1 15/16"	49-25IPX	KW7060480	\$11.55	\$9.95
IP25	2 3/4"	49-A-25IPX	KW7060435	\$12.46	\$10.95
IP25	3 1/2"	49-B-25IPX	KW7060525	\$14.61	\$12.95
IP27	1 15/16"	49-27IPX	KW7060485	\$11.55	\$9.95
IP27	2 3/4"	49-A-27IPX	KW7060440	\$12.46	\$10.95
IP30	1 15/16"	49-30IPX	KW7060495	\$11.55	\$9.95
IP30	2 3/4"	49-A-30IPX	KW7060445	\$12.46	\$10.95
IP30	3 1/2"	49-B-30IPX	KW7060535	\$14.61	\$12.95
IP40	1 15/16"	49-40IPX	KW7060415	\$11.55	\$9.95

6483

HAND TOOLS

wiha TORX® Cushion Grip Screwdriver Sets

- Exact fit precision machined torx tips
- Through hardened for best wear resistance
- 6 Pc. Torx Set: T6, T7, T8, T9, T10, T15
- 8 Pc. Torx Set: T6, T7, T8, T10, T15, T20, T25, T27, T30



Number of Pieces	Order No.	Regular Price	SALE
6	KN5436291	40.39	35.95
8	KN5436294	67.33	60.95

25523

wiha 6-in-1 Insulated Fully Magnetic 1/4" Driver

- Insulated 1/4" stainless holder
- Includes 6 insert bits Phillips: #1, #2, #3; Slotted: 4", 6", 8"
- Ergonomic power handle for maximum torque and user comfort
- Rotating cap allows one handed turning and frees other hand for positioning the work piece



Order No.	Regular Price	SALE
KN5438044	35.31	31.95

28732

CDI TORQUE Micro-Adjustable Torque Screwdrivers

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



Minimum Torque	Maximum Torque	Increments	Order No.	Regular Price	SALE
10 cNm	80 cNm	1 cNm	KL4561NSM	318.16	285.95
40 cNm	200 cNm	2 cNm	KL45151NSM	325.44	292.95
50 cNm	450 cNm	5 cNm	KL45401NSM	341.00	306.95
3 inch/lbs	15 inch/lbs	0.2 inch/lbs	KL45151SM	325.44	292.95
5 inch/lbs	40 inch/lbs	0.5 inch/lbs	KL45401SM	341.00	306.95
20 inch/oz	100 inch/oz	1 inch/oz	KL4561SM	324.36	291.95

7489

TITAN Digital Torque Adapter

- Converts any ratchet or breaker bar into a torque measuring tool
- Use to re-calibrate any type of torque wrench
- Swivels 240°
- 10 Memory settings
- Includes calibrating block and (1) DC 3V, CR2032 battery
- Packaged in blow mold case



Order No.	Regular Price	SALE
KP8223154	133.42	119.95

7901

BONDHUS Prohold® Hex Bit Sets

- Fractional or metric
- Available without sockets or with 6 pt. sockets and removable bits
- 2" or 6" Lengths
- Plastic holder
- BITS SNAP INTO ANY 6-PT. SOCKET
- Bits snap into 3/8 or 1/2 socket you already own!



Number of Pieces	Set Includes	Order No.	Regular Price	SALE
9	4 mm, 5 mm, 6 mm, 7 mm, 8 mm, 10 mm, 12 mm, 14 mm, 17 mm-2" OAL - Pro Hold Socket Bit Set - Bits Only, 2" or 6" Lengths	KN5333298	75.40	67.95
9	5/32", 3/16", 7/32", 1/4", 5/16", 3/8", 1/2", 9/16", 5/8"-2" OAL - Pro Hold Socket Bit Set - Bits Only, 2" or 6" Lengths	KN5333299	73.61	65.95
5	5/16", 3/8", 1/2", 9/16", 5/8"-6" OAL - Pro Hold Socket Bit Set - Bits Only-2" or 6" Lengths	KN5333645	67.19	59.95
6	4 mm, 5 mm, 6 mm, 7 mm, 8 mm, 10 mm-6" OAL - Pro HoldA® Socket Bit Set - Bits Only, 2" or 6" Lengths	KN5333646	55.37	49.95
9	4 mm, 5 mm, 6 mm, 7 mm, 8 mm, 10 mm, 12 mm, 14 mm, 17 mm-2" OAL - Pro HoldA® Metric Socket Bit Set, 2" or 6" Lengths	KN5343298	150.71	135.95
9	5/32", 3/16", 7/32", 1/4", 5/16", 3/8", 1/2", 9/16", 5/8"-2" OAL - Pro HoldA® Socket Bit Set, 2" or 6" Lengths	KN5343299	147.17	131.95
5	5/16", 3/8", 1/2", 9/16", 5/8"-6" OAL - Pro HoldA® Socket Bit Set, 2" or 6" Lengths	KN5343645	134.29	120.95
6	4 mm, 5 mm, 6 mm, 7 mm, 8 mm, 10 mm-6" OAL - Pro HoldA® Metric Socket Bit Set, 2" or 6" Lengths	KN5343646	110.62	99.95

22810

TEKTON 45 Pc. Everybit Tech Rescue™ Kit

- Complete set of tools for repairing mobile phones, tablets, laptops, game systems, collectible toys, wristwatches, and eyeglasses
- Includes every size pentalobe (iPhone®, MacBook®), every size triangle bit (toys), and unique, 3-inch, long-reach bits not available



Set Includes:

- 3-pc. Flat: 1, 1.5, 2.5 mm
- 6-pc. Phillips: #000, #00, #0, #1, #0 x 3 in., #1 x 3 in.
- 3-pc. Star: T3, 4, 5
- 8-pc. Tamper-Resistant Star: TR6, 7, 8, 9, 10, 15, TR6 x 3 in., TR8 x 3 in.
- 2-pc. Tri-Wing: TRI 0, 1
- 3-pc. Pentalobe: PL 0.8, 1.2, 1.5 mm
- 4-pc. Triangle: TA18, 20, 23, 27
- 3-pc. Hex: 1.3, 1.5, 2 mm
- 5-pc. Nut Drivers: 3, 3.5, 4, 5, 6.5 mm (1/4 in.)
- 1-pc. Aluminum screwdriver
- 1-pc. ESD-safe tweezers
- 1-pc. Flexible metal spudger
- 1-pc. Nylon spudger/probe
- 1-pc. 3-corner spudger
- 1-pc. 35 mm suction cup
- 1-pc. Magnetic parts mat
- 1-pc. Zipper case

Order No.	Regular Price	SALE
KP8528301	53.77	47.95

7289

CRESCENT Aluminum Pipe Wrenches

- K9™ jaw technology allows bite in an arc of 30 degrees for greater access in tight spaces; 25% larger bite surface
- Adjustment ring thread pitch angled for 2x faster opening and closing of wrench jaw
- Aluminum design is up to 10% lighter than competitive wrenches
- 25% larger bite surface provides maximum grip helping to increase tooth durability and life
- 40% less weight helps reduce user fatigue
- Handle shape optimized for maximum power and user comfort
- Exceeds federal torque load specification by over 140%



Overall Length	Jaw Capacity	Order No.	Regular Price	SALE
9"	0"-1.9"	KW50CAPW10S	52.26	46.95
11.75"	0"-2.375"	KW50CAPW14	73.17	65.95
17.5"	0"-2.375"	KW50CAPW14L	82.13	73.95
14.75"	0"-2.875"	KW50CAPW18	95.57	86.00
20.5"	0"-3.5"	KW50CAPW24	147.85	139.95

30629

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	42.95	38.95
3"	8 1/8"	-	-	KP30472	48.67	43.95
4 3/4"	11 3/8"	-	-	KP30474	67.86	60.95
6 1/4"	12 1/8"	-	-	KP30474A	71.75	64.95
8 3/4"	13 3/4"	-	-	KP30474B	86.69	77.95

Adjustable Pin Spanner Wrench						
Maximum Capacity	Overall Length	Pin Length	Pin Diameter	Order No.	Regular Price	SALE
2"	6"	1/8"	1/8"	KP300471	45.18	40.95
2"	6 1/8"	5/32"	3/16"	KP300471A	45.18	40.95
3"	7 1/2"	3/16"	3/16"	KP300472	51.12	45.95
3"	7 1/2"	7/32"	1/4"	KP300472A	52.68	46.95
4 3/4"	10 1/2"	1/4"	1/4"	KP300474	70.34	62.95
6 1/4"	10 1/2"	1/4"	3/8"	KP300474A	75.46	67.95

7563

NICHOLSON Flat Hand File - Bastard Cut

- Bastard file - a coarse file designed for fast removal of stock material



Flat Files:

- Excellent for "Hogging" or rapid stock removal
- Double cut on both sides, single cut on the edges and taper toward the point in width

Flat			
Overall Length	Order No.	Regular Price	SALE
4"	FR5003367	12.11	10.95
6"	FR5003467	12.92	11.95
8"	FR5003566	16.08	13.95
10"	FR5003665	19.54	17.95
12"	FR5003764	27.19	23.95
14"	FR5003863	37.99	33.95

24057

NICHOLSON Mill & Knife Hand Files - Smooth & Bastard Styles

- **Knife files** are for use on slots, keyways and acute angles. Knife files are double cut on the "knife edge" with a safe (uncut) back and taper toward the point in width and thickness.
- **Mill files** are excellent for a wide range of applications such as sharpening, draw filing, lathe work and general shop use. Mill files are single cut on the sides and edges, and taper towards the point in width.
- Bastard cut, a coarse file designed for fast removal of stock material
- Smooth cut, a fine file designed for making an almost smooth surface



Overall Length	Knife					
	Bastard			Smooth		
	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
4"	FR5006711	23.69	20.95	FR5006773	24.86	21.95
6"	FR5006804	27.86	24.95	FR5006867	33.38	29.95
8"	FR5006898	32.27	28.95	FR5006961	36.32	32.95
10"	FR5006992	38.12	33.95	FR5007054	43.47	38.95

Overall Length	Mill					
	Bastard			Smooth		
	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
4"	FR5008243	8.87	7.95	FR5008306	13.12	11.95
6"	FR5008354	8.77	7.95	FR5008416	13.49	11.95
8"	FR5008497	10.53	8.95	FR5008560	15.88	13.95
10"	FR5008642	13.69	11.95	FR5008704	18.74	16.95
12"	FR5008737	22.32	19.95	FR5008799	26.38	23.95
14"	FR5008832	29.62	26.95	FR5008894	36.94	32.95

24059

PRM PRO Flat Hand Files - Professional Grade

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



Overall Length	2nd Cut			Bastard			Smooth		
	Order No.	Reg-ular Price	SALE	Order No.	Reg-ular Price	SALE	Order No.	Reg-ular Price	SALE
4"	-	-	-	PR0410404	4.94	3.95	PR0410504	7.57	6.95
6"	PR0410306	5.92	4.95	PR0410406	5.67	4.95	PR0410506	6.85	5.95
8"	PR0410308	7.42	6.95	PR0410408	7.11	5.95	PR0410508	8.91	7.95
10"	PR0410310	9.94	8.95	PR0410410	9.42	7.95	PR0410510	11.85	10.95
12"	PR0410312	15.86	13.95	PR0410412	12.26	10.95	PR0410512	15.45	13.95
14"	PR0410314	17.10	14.95	PR0410414	19.93	17.95	PR0410514	23.95	21.95
16"	-	-	-	PR0410416	29.87	26.95	-	-	-

28645

WORKHOLDING

Jacobs Heavy Duty Plain Bearing Chucks

Taper Mounted

- Jaws center ground for absolute straightness and alignment
- One piece sleeve eliminates crack between driving teeth, often found in other designs
- Through hardened sleeve teeth, plus hardened nose and keyholes provide outstanding wear resistance
- Each chuck 100% inspected for performance and precision
- T.I.R .004" maximum at half capacity
- Fluted sleeve standard except Model 34-33C, which is smooth and ground
- (2) Equipped with positive drive slot
- (3) Equipped with pin type positive drive
- (4) Equipped with locking collar - 1-1/16-20 thread, smooth sleeve



Model No	Minimum Capacity	Maximum Capacity	Mount Type	Key Style	Order No.	Regular Price	SALE
0	0.135"	5/32"	Tapered	KO	HK506200	197.32	137.95
34-02	0.040"	1/2"	Tapered	K3	HK5014442	226.05	157.95
34-06	0.040"	1/2"	Tapered	K3	HK506295	300.19	209.95
34-33	0.040"	1/2"	Tapered	K3	HK5014445	255.53	178.95
3326A	0.080"	1/2"	Threaded	K32	HK506291	312.45	218.95
34-33C(4)	0.040"	1/2"	Tapered	K3C	HK5014451	236.12	164.95
33	0.080"	1/2"	Tapered	K32	HK506279	289.17	201.95
3A	1/8"	5/8"	Tapered	K3	HK506223	359.95	251.95
33KD(3)	0.080"	1/2"	Tapered	K32	HK506281	274.07	191.95
3KD(2)	1/8"	5/8"	Tapered	K3	HK506228	478.57	334.95
3PD(3)	1/8"	5/8"	Tapered	K3	HK506230	559.31	391.95
3B	0.180"	0.800"	Tapered	K4	HK506309	454.25	317.95
36KD(2)	0.180"	0.800"	Tapered	K4	HK5014865	435.28	304.95

22155

Jacobs Ball Bearing Super Chucks

- Designed for extra heavy duty drilling applications on production drilling machines, jig borers, milling machines, lathes and radials
- The ball thrust bearing reduces friction in the chuck's closing mechanism



Model No	Maximum Capacity	Mount Type	Key Style	Minimum Capacity	Order No.	Regular Price	SALE
8 1/2N	1/4"	Tapered	K30	0.040"	HK5030209	295.93	206.95
11N	3/8"	Tapered	K32	0.040"	HK5030215	329.78	230.95
14N	1/2"	Tapered	K3	0.040"	HK5030221	461.02	322.95
16N	5/8"	Tapered	K4	1/8"	HK5030227	529.38	369.95
18N	3/4"	Tapered	K4	1/8"	HK5030233	795.89	556.95
20N	1"	Tapered	K5	3/8"	HK5030239	1071.74	749.95

23491

LAMBRIKUSA Industrial Keyless Drill Chucks

- Drill chucks for medium duty industrial use, available with threaded mounts for professional hand held drilling machines and with tapered mounts for stationary drilling machines
- Automatic fittings for efficient quick change of tools
- Self-tightening mechanism automatically increases the grip in proportion to the increase in torque during the drilling and avoids the tool from slipping in clockwise rotation
- Fits tools of up to 3/4" in diameter drill shank



Model No	Minimum Capacity	Maximum Capacity	Mount Type	Sleeve Diameter	Open Length	Order No.	Regular Price	SALE
L40163B	-	5/16"	Tapered	1.3400"	2.76 mm	HK85L40163B	167.79	150.95
L40164B	-	5/16"	Tapered	1.3500"	2.76 mm	HK85L40164B	167.79	150.95
L40221B	-	3/8"	Tapered	1.5400"	3.15 mm	HK85L40221B	172.38	154.95
L40167B	-	3/8"	Tapered	1.6100"	3.36 mm	HK85L40167B	171.06	153.95
L40168B	1/32"	1/2"	Tapered	1.8500"	4.03 mm	HK85L40168B	194.58	174.95
L40169B	1/32"	1/2"	Tapered	1.8500"	4.03 mm	HK85L40169B	253.80	227.95
L40170B	1/32"	1/2"	Tapered	1.8500"	4.03 mm	HK85L40170B	194.58	174.95
L40173B	1/8"	5/8"	Tapered	2.0200"	4.14 mm	HK85L40173B	232.45	208.95
L40174B	1/8"	5/8"	Tapered	2.0200"	4.14 mm	HK85L40174B	232.45	208.95
L40177B	3/16"	3/4"	Tapered	2.5100"	5.03 mm	HK85L40177B	359.12	322.95

1314

MAG-MATE Rare Earth Magnet

- Extremely powerful magnet is ideal for miniaturized applications
- Maximum Temperature 180°F (82°C)
- High resistance to demagnetization
- Nickel plated finish



Diameter	Length	Average Pull Force (lb)	Shape	Order No.	Regular Price	SALE
7/32"	1/2"	3.6 lbs	Round	NE7010515	1.49	0.95

F.O.B. Warren, MI

23806

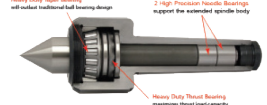
Dorian Precision & Heavy Duty Live Centers with .00007" Max. Runout

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

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

Features:

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



Shank Diameter	Maximum RPM	Order No.	Regular Price	SALE
1 MT	8,500	GG3548200	407.52	366.95
2 MT	6,000	GG3548201	440.59	396.95
3 MT	5,000	GG3548202	490.22	440.95
4 MT	4,000	GG3548203	633.07	569.95
5 MT	3,000	GG3548204	769.36	691.95
6 MT	2,500	GG3548205	1466.96	1319.95
2 MT	7,500	GG3548206	544.00	489.95
3 MT	6,000	GG3548207	604.29	543.95
4 MT	4,500	GG3548208	755.01	679.95
5 MT	2,800	GG3548209	941.60	846.95
6 MT	2,000	GG3548210	2058.33	1851.95
6 MT	1,700	GG3548211	4402.30	3961.95

23087

KURT WORKHOLDING 5-Axis Precision Force Vises

- High clamp force
- Jaw design minimizes jaw lift
- Easy centerline adjustment
- Quick lash adjustment
- Hex on both ends of screw, can be adjusted from either side
- 52mm pattern spacings for mounting to industry standard zero-point systems
- End effector ready for automation integration
- Movable jaw options: Carvable, Dovetail and Serrated
- Jaws and nuts can be reversed for ID clamping
- Jaws are gibbed to help with squareness
- Max torque 45 foot pounds

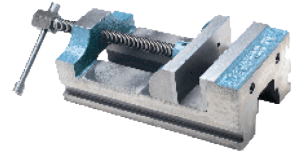


Jaw Opening Capacity	Jaw Width	Jaw Height	Base Height	Order No.	Regular Price	SALE
2-5/8"	4"	2.942"	1.642"	HT80PF420C	1475.26	1327.95
2-5/8"	4"	2.942"	1.642"	HT80PF420D	1475.26	1327.95
2-5/8"	4"	2.942"	1.642"	HT80PF420S	1475.26	1327.95
4-5/8"	4"	2.942"	1.642"	HT80PF440C	1538.56	1384.95
4-5/8"	4"	2.942"	1.642"	HT80PF440D	1538.56	1384.95
4-5/8"	4"	2.942"	1.642"	HT80PF440S	1538.56	1384.95

30902

PALMGREN INC Drill Press Vises

- Replaceable Steel Jaws
- Made from 30,000 PSI tensile strength, fine grain cast iron
- Base and bed parallel to 0.001 in
- Center of base is open
- All vises can be mounted on the base, either side or placed on end for general use
- Lifetime Warranty

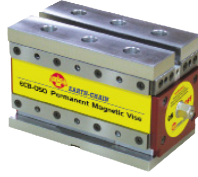


Jaw Height	Jaw Width	Jaw Depth	Jaw Opening Capacity	Throat Depth	Order No.	Regular Price	SALE
1"	1 1/2"	1"	1 1/2"	1"	JB506	121.54	97.95
1 1/2"	2 7/16"	1 1/2"	2 1/2"	1 1/2"	JB5030	152.44	136.95
1 1/2"	2 7/16"	1 1/2"	3"	1 1/2"	JB5010	149.35	133.95
1 3/4"	3"	1 3/4"	3"	1 3/4"	JB5013	257.50	231.95
1 3/4"	4"	1 3/4"	4"	2"	JB5014	322.39	289.95
2"	6"	2"	6"	2"	JB5016	639.63	575.95

24369

TECHNIKS **MagVISE ECB**

- 4 sizes available to fit your application
- Each ECB vise includes 2 machinable induction blocks, wrench, extension and socket, switch-connect socket assembly, 2 stop plates, 4 toe clamps
- ECB magnetic vises easily integrate with pallet changing and tombstone systems used in production cells



Order No.	Regular Price	SALE
TE10ECB050	1027.94	924.95
TE10ECB075	1244.24	1119.95
TE10ECB120	1725.25	1552.95
TE10ECB210	2379.30	2140.95

F.O.B. Indianapolis, IN

25246

WILON **Classic 400 Series Columbian C-Clamps**

- Patented design frame geometry allows for maximum strength with greater throat depth and lower weight
- Oscillating Head: High quality steel pad is built to last and provides firm gripping action on angular surfaces



Maximum Opening	Throat Depth	Clamping Force	Order No.	Regular Price	SALE
2"	2"	3,500 lbs	SF30402	21.62	18.95
3"	2 3/8"	3,500 lbs	SF30403	31.92	28.95
4"	3 1/4"	6,200 lbs	SF30404	43.25	38.95
6"	3 5/8"	6,600 lbs	SF30406	65.91	58.95
8"	4 1/2"	6,900 lbs	SF30408	82.39	73.95
10"	5 3/8"	8,000 lbs	SF30410	120.50	107.95
12"	5 3/4"	9,300 lbs	SF30412	191.57	171.95

25539

WILON **High Visibility Safety Clamps**

- Drop forged
- Powder coat, scratch and rust resistant
- V-Groove anvil holds rounds securely
- Perma-Pad®, exclusive field replaceable design



Maximum Opening	Order No.	Regular Price	SALE
2 1/8"	HZ41402SF	28.83	25.95
3"	HZ41403SF	36.04	31.95
4 1/4"	HZ41404SF	54.58	48.95
6 1/16"	HZ41406SF	83.42	74.95
8 1/4"	HZ41408SF	104.02	93.95
10 1/8"	HZ41410SF	143.16	128.95
12 1/4"	HZ41412SF	231.74	208.95

22380

MIL-EE-BITE PRODUCTS COMPANY **Machinable Uniforce Clamps**

- The compact Uniforce® clamp is available with extra material on the clamping jaws so it can be machined to conform to the shape of your workpiece - enabling you to fixture unusual applications easily
- The specially designed steel wedge spreads the clamping force uniformly on both sides of the 7075-T6 aluminum channel
- *A: The distance needed between workpieces for clamp clearance, drill and tap mounting holes on the center of "A" dimension
- †F: The amount of machinable stock on jaws
- **H: Mounting screws included
- NOTE: Locking plate properly expands the clamp, while making it rigid for machining - Machine to a slip fit on workpiece - Remove locking plate before clamping workpiece



Inch												
Thread Size	Clamp Height	Overall Length	Base Width	Contact Depth	Machine-able Stock	Centerline Distance	Outer Edge Screw	Overall Width	Holding Force	Order No.	Regular Price	SALE
#8-32	1/2"	.620"	.420"	0.250"	0.180"	.400"	#2-56	1.125"	500 lbs	SG7060050	23.02	19.95
#8-32	.500"	.920"	.420"	0.2500"	0.1800"	.180"	#2-56	1.125"	500 lbs	SG7060055	18.08	15.94
1/4"-20	3/4"	.940"	.632"	0.370"	0.260"	0.625"	#6-32	1 1/2"	1,500 lbs	SG7060075	24.36	20.95
1/4"-20	.750"	.940"	.632"	0.3700"	0.2600"	.260"	#6-32	1.500"	1,500 lbs	SG7060080	18.75	15.95
5/16"-18	1"	1.14"	.820"	0.500"	0.390"	0.812"	#6-32	2"	2,000 lbs	SG7060100	33.63	28.95
5/16"-18	1"	1.250"	.820"	0.5000"	0.3900"	.390"	#6-32	2"	2,000 lbs	SG7060105	26.93	22.95
1/2"-13	1 1/2"	1.870"	1.215"	0.750"	0.620"	1.200"	#10-32	3"	3,500 lbs	SG7060150	93.22	78.95
1/2"-13	1.500"	1.870"	1.215"	0.7500"	0.6200"	.620"	#10-32	3"	3,500 lbs	SG7060153	84.51	67.95
5/8"-11	2"	2.500"	1.625"	1"	0.800"	1.625"	1/4"-20	4"	6,000 lbs	SG7060200	152.75	121.95
5/8"-11	2"	2.500"	1.625"	1.0000"	0.8000"	.800"	1/4"-20	4"	6,000 lbs	SG7060203	137.92	109.95

Metric												
Thread Size	Clamp Height	Overall Length	Base Width	Contact Depth	Machine-able Stock	Centerline Distance	Outer Edge Screw	Overall Width	Holding Force	Order No.	Regular Price	SALE
M4	12.7 mm	15.7 mm	10.67 mm	6.3mm	4.6mm	4.6 mm	M2	28.6 mm	1,640 lbs	SG7080050	23.02	19.95
M4	12.7 mm	15.7 mm	10.67 mm	6.3mm	4.6mm	4.6 mm	M2	28.6 mm	1,640 lbs	SG7080055	18.08	15.94
M6	19.1 mm	23.9 mm	16.05 mm	9.4mm	6.6mm	6.6 mm	M4	38.1 mm	4,930 lbs	SG7080075	24.36	20.95
M6	19.1 mm	23.9 mm	16.05 mm	9.4mm	6.6mm	6.6 mm	M4	38.1 mm	4,930 lbs	SG7080080	18.75	14.95
M8	25.4 mm	31.8 mm	20.83 mm	12.7mm	9.9mm	9.9 mm	M4	50.8 mm	8,230 lbs	SG7080100	33.63	26.95
M8	25.4 mm	31.8 mm	20.83 mm	12.7mm	9.9mm	9.9 mm	M4	50.8 mm	8,230 lbs	SG7080105	26.93	21.95
M16	50.8 mm	63.5 mm	41.28 mm	25.4mm	20.3mm	20.3 mm	M6	50.8 mm	19,750 lbs	SG7080200	152.75	121.95
M16	50.8 mm	63.5 mm	41.28 mm	25.4mm	20.3mm	20.3 mm	M6	50.8 mm	19,750 lbs	SG7080205	137.92	109.95
M12	38.1 mm	47.5 mm	30.86 mm	19.1mm	15.7mm	15.7 mm	M5	76.2 mm	11,520 lbs	SG7080150	93.22	74.95
M12	38.1 mm	47.5 mm	30.86 mm	19.1mm	15.7mm	15.7 mm	M5	76.2 mm	11,520 lbs	SG7080155	84.51	67.95

1393

MACHINERY

PALMGREN INC 16 Speed Floor Drill Presses

- Fully enclosed spindle with spaced bearings for maximum spindle support
- Maximum spindle run out of 0.0005"
- Extended quill/spindle travel ideal for deep hole applications
- LED readout for spindle speeds
- Quick change vertical depth stop
- Includes chuck with key and arbor
- Rack and pinion table raiser
- Table tilts 45 degrees right and left and rotates 360 degrees around the column
- Front mounted industrial paddle type power switch
- 3 Year Warranty



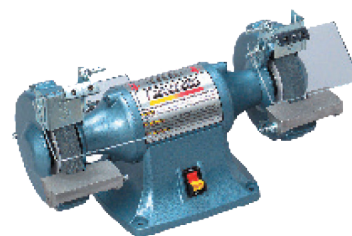
Model No	Table Width	Table Length	Spindle Travel	Swing Distance	Minimum Spindle Speed	Maximum Spindle Speed	Horsepower	Voltage	Phase	Weight	Order No.	Regular Price	SALE
80156	11 1/2"	13"	5"	15"	138 RPM	3,476 RPM	1/2 hp	120 V/240 V	1 Phase	204 lbs	JB5580156	1334.88	1200.95
9680214	13.386"	14.173"	-	22"	150 RM	4,000 RPM	1 hp	115 V/230 V	1 Phase	1,309 lbs	JB559680214	3622.51	3259.95
9680177	14 3/8"	14 3/8"	5"	17"	138 RPM	3,476 RPM	1 hp	120 V/240 V	1 Phase	183 lbs	JB559680177	1587.23	1428.95
9680178	14 3/8"	14 3/8"	5"	17"	138 RPM	3,476 RPM	1 hp	240 V	3 Phase	183 lbs	JB559680178	1596.50	1436.95
80207	16 5/8"	18 5/8"	6"	20"	120 RPM	3,605 RPM	1 1/2 hp	120 V/240 V	1 Phase	352 lbs	JB5580207	2318.53	2086.95
9680210	19 1/4"	18 3/4"	6"	20"	120 RPM	3,605 RPM	1 1/2 hp	240 V	3 Phase	274 lbs	JB559680210	2357.67	2121.95

F.O.B. Chicago, IL - Ships by Truck

6282

PALMGREN INC 6" & 8" Heavy Duty Bench Grinders

- Palmgren's bench grinders are designed and built with high-quality motors for heavy duty use and long duty cycles
- Our stated horsepower is actual sustained horsepower under 100% loads with less than 1% loss from stated RPMs at same 100% loads
- Designed to do more, a Palmgren bench grinder provides you with 4 to 7 times longer duty cycles under load and 8 times less speed degradation than any other competitor
- Palmgren's line up of industrial grade bench grinders provide smooth, quiet power for all grinding, cleaning, deburring, chamfering and sharpening jobs
- Designed to handle heavy stock removal to finishing applications these powerful units are built for continuous, efficient use all day, every day
- Extended wheel-to-wheel clearance which allows longer items to be ground easily
- Dynamically balanced rotors and sealed bearings minimize vibration and ensure smooth running
- Large adjustable tool rests for safe, efficient tilt and angle grinding
- Adjustable safety eye shields and spark guards easily positioned with hurricane bolt
- Maximum performance, accuracy and value 9682061 comes with wheel guards with no dust collection ports
- Units fit Item # 9670101 or Item # 9686000 tool stands
- 3 Year Warranty
- F.O.B. WARREN, MI

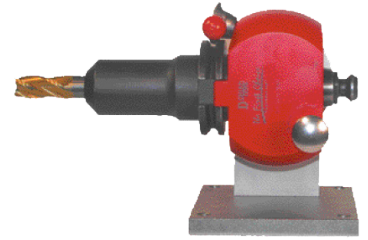


Order No.	Regular Price	SALE
JB5582061	196.73	176.95

6267

DORIAN TOOL Smart Tool-Setter Tightening Fixtures

- Toolholder taper protected from chips & scratches
- Teflon® Based Xylan coating
- Quick Lock & Setting
- Multi-position setting
- Heavy duty construction
- Precise quality & workmanship



Model No	Spindle Taper	Order No.	Regular Price	SALE
DSTSCH-030	BT30	GG3536000	512.82	461.95
DSTSCH-040	CAT40/BT40	GG3536001	512.82	461.95
DSTSCH-050	CAT50/BT50	GG3536002	612.76	550.95
DSTSCH-063	HSK63	GG3536003	696.31	626.95
DSTSCH-100	HSK100	GG3536004	739.82	665.95

F.O.B. East Bernard, TX

1076

WORLD CLASS QUALITY 5/8" 6 Pc. Milling T-Slot Cover Set

- Anodized Aluminum T-Slot table guard inserts
- Save time from cleaning, speedy and convenient to enhance working efficiency
- Drilled for coolant drainage
- 6 Per package approximately 16" long each



Compatible With	Order No.	Regular Price	SALE
5/8" T-Slot Milling Tables	JF70MSCSET	49.70	44.95

5621

PRM 1" x 42" Belt Sander

Features:

- 1" x 42" Belt
- 1/3HP 120/240V 1PH
- 1800 RPM
- Belt can be positioned vertically, horizontally or at any angle in between
- Guarding OSHA & ANSI Compliant
- Front Mounted On/Off Paddle Switch
- Weight: 45 lbs.
- 1 Year parts warranty



Order No.	Regular Price	SALE
PR72142	469.31	421.95

F.O.B Warren, MI - UPS Dimensional Weight shipping rates apply

6121



22 Pc. Ball Driver Hex Key Set

- Standard and metric
- Ball driver L-wrenches save time in hard to reach and blind locations
- ProGuard finish is 5 times more effective against rust
- Bondhus proprietary protanium steel and are 20 percent stronger than some competitor's tools



Set Includes	Order No.	Regular Price	SALE
.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", 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm	KN5320199	44.98	39.95

22803

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 UPS



Order No.	Regular Price	SALE
RZ453000	74.00	66.95

5480

SCRUBS^{PRO} Waterless Cleaning Towels & Wipes

- Clean, citrus fragrance
- Advanced cleaning power
- For use on hands & surfaces
- No sticky residue
- NO SOAP! NO WATER! NO PROBLEM!™



BrandName	ProductName	Order No.	Regular Price	SALE
Scrubs	Citrus Fragrance Hand Cleaning Towels, 10 in x 12 in, 72 Wipes per Container	LM54422C072	22.78	17.95

3197

PRICES EFFECTIVE APRIL 1ST THROUGH JUNE 30TH, 2024

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