GET BIG SAVINGS

ON TOP BRANDS

PG. 20 CRESCENT



150 Pc. Mechanic's Tool Set

$213.25

PG. 35 NOGA SIMPLY SOPHISTICATED



Dial Gage Holder

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PG. 36 PROCHECK



1/8" Steel Parallel Set

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PG. 27 PYRAMEX



Lens Cleaning

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PG. 35 Mitutoyo



500-196-32 Electronic Caliper

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PG. 9 MORSE CUTTING TOOLS



Single Flute Countersinks

UP TO **30**% OFF

PRICES EFFECTIVE OCTOBER 1, 2026 – DECEMBER 31, 2026

RAPIDKUT

90º Indexable End Mills

- For shoulder milling, slotting and countersinking
- Industry standard cutters and inserts for economy and high quality



APKT 1604

Overall Length (OAL)	Cutting Item Count (CICT)	Connection Diameter Machine Side (DCONMS)	Cutting Diameter (DC/DCX)	Order No.	Regular Price	SALE
4-1/2″	2	1″	1″	**0979265**	317.24	**237.93**
5-3/8″	4	1″	1-1/2″	**0979268**	403.76	**302.82**

APKT 1003

Overall Length (OAL)	Cutting Item Count (CICT)	Connection Diameter Machine Side (DCONMS)	Cutting Diameter (DC/DCX)	Order No.	Regular Price	SALE
3″	1	1/2″	3/8″	**0979270**	197.75	**148.32**
3-1/4″	2	5/8″	5/8″	**0979272**	238.95	**179.21**
4″	3	3/4″	3/4″	**0979274**	288.40	**216.30**
4-1/2″	4	1″	1″	**0979278**	346.08	**259.56**
4-1/2″	4	3/4″	7/8″	**0979276**	304.88	**228.66**
5″	5	1″	1-1/4″	**0979280**	411.99	**308.99**
7-7/8″	3	3/4″	7/8″	**0979277**	379.05	**284.28**
7-7/8″	3	3/4″	3/4″	**0979275**	350.21	**262.65**
7-7/8″	2	5/8″	5/8″	**0979273**	304.88	**228.66**
7-7/8″	4	1″	1-1/2″	**0979282**	477.92	**358.44**
7-7/8″	5	1″	1-1/4″	**0979281**	473.80	**355.35**
7-7/8″	4	1″	1″	**0979279**	416.12	**312.09**

ADKT 1505

Overall Length (OAL)	Cutting Item Count (CICT)	Connection Diameter Machine Side (DCONMS)	Cutting Diameter (DC/DCX)	Order No.	Regular Price	SALE
4-1/2″	2	1″	1″	**0979286**	325.47	**244.10**
5″	3	1″	1-1/4″	**0979288**	354.31	**265.73**
5-3/8″	4	1″	1-1/2″	**0979290**	399.63	**299.73**
7-7/8″	3	1″	1-1/4″	**0979289**	403.76	**302.82**

12421

RAPIDKUT

90º Indexable End Mills

Use XNEX Inserts

- Suitable for shoulder milling, surface milling for roughing
- Weldon style shank
- Uses XNEX 6-edged inserts



Cutting Diameter (DC/DCX)	Cutting Item Count (CICT)	Overall Length (OAL)	Master Insert Identification (MIID)	Order No.	Regular Price	SALE
3/4″	2	4-1/2″	XNEX 040304	**0979224**	370.79	**278.10**
1″	4	4-1/2″	XNEX 040304	**0979225**	411.99	**308.99**
2″	4	5″	XNEX 080608	**0979228**	514.99	**386.25**

3857

RAPIDKUT

90º Face Mills

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



ADKT 1505

Cutting Diameter Maximum (DCX)	Cutting Item Count (CICT)	Connection Diameter Machine Side (DCONMS)	Functional Length (LF)	Order No.	Regular Price	SALE
2″	4	3/4″	1.57″	**0979283**	416.12	**312.09**
2-1/2″	5	3/4″	1.57″	**0979285**	440.83	**330.62**
3″	6	1″	1.97″	**0979284**	585.03	**438.77**

APKT 1604

Cutting Diameter Maximum (DCX)	Cutting Item Count (CICT)	Connection Diameter Machine Side (DCONMS)	Functional Length (LF)	Order No.	Regular Price	SALE
2″	4	3/4″	1.57″	**0979262**	420.24	**315.18**
2-1/2″	5	3/4″	1.57″	**0979263**	444.96	**333.72**

3860

RAPIDKUT

Cut Off Blades

- Positive stop cut-off blades - “F” style
- Positive blade design creates a strengthened clamping force for higher stability while machining
- For use on conventional or CNC machines
- Uses “MEGFN” style inserts



Overall Height (OAH)	Cutting Width Minimum (CWN)	Cutting Depth Maximum (CDX)	Body Width (WB)	Order No.	Regular Price	SALE
1.25″	0.161″	4″	1/8″	**0979382**	123.75	**86.62**
1.25″	0.079″	2″	0.062″	**0979380**	123.75	**86.62**
1.03″	0.079″	2″	0.062″	**0979378**	110.74	**77.52**
1.25″	0.122″	4″	0.094″	**0979381**	123.75	**86.62**
1.03″	0.122″	3″	0.094″	**0979379**	110.74	**77.52**
0.75″	0.079″	1.5″	0.062″	**0979377**	110.74	**77.52**

61446

RAPIDKUT

Steel Boring Bars

STFC Style

- Positive 60°
- Uses TCMT style inserts



Tool Type	Minimum Bore Diameter (DMIN)	Overall Length (OAL)	Order No.	Regular Price	SALE
Boring Bar	1.25″	12″	**0979118**	259.56	**207.65**

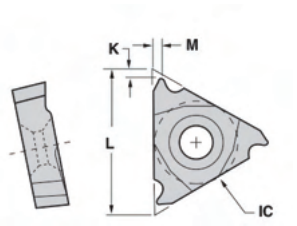
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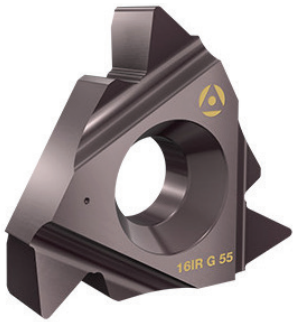
TOOLFLO Member IMC Group

Laydown LT

55 & 60 Degree Partial Profile Threading

- 3/8" IC
- External and Internal
- Right Hand and Left Hand





							AC22A			C22			GP50A		
Thread Form Type (THFT)	Insert Length (INSL)	Corner Radius (RE)	Threads per Inch Minimum (TPIN)	Threads per Inch Maximum (TPIX)	Thread Pitch Minimum (TPN)	Coating	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
VP55	0.649"	0.002"	16	48	0.5 mm	TiAlN	**1269037**	28.56	**20.72**	-	-	-	-	-	-
VP60	0.649"	0.002"	16	48	0.5 mm	TiAlN	**1269039**	28.56	**20.72**	-	-	-	-	-	-
VP60	0.649"	0.002"	16	48	0.5 mm	TiN	-	-	-	-	-	-	**2450465**	28.56	**20.72**
VP55	0.649"	0.0027"	8	48	0.5 mm	TiAlN	**1269040**	28.56	**20.72**	-	-	-	-	-	-
-	0.63"	0.003"	8	48	0.02 mm	Uncoated	-	-	-	**2449122**	22.96	**16.63**	-	-	-
VP55	0.649"	0.0027"	8	48	0.5 mm	TiN	-	-	-	-	-	-	**2449478**	28.56	**20.72**
VP60	0.649"	0.002"	8	48	0.5 mm	TiAlN	**0574241**	28.56	**20.10**	-	-	-	-	-	-
VP55	0.649"	0.0091"	8	14	1.75 mm	TiAlN	**1455622**	28.56	**20.72**	-	-	-	-	-	-
VP55	0.649"	0.0091"	8	14	1.75 mm	TiN	-	-	-	-	-	-	**2449419**	28.56	**20.72**
VP60	0.649"	0.0051"	8	14	1.75 mm	TiAlN	**1269041**	28.56	**20.72**	-	-	-	-	-	-
VP60	0.649"	0.0051"	8	14	1.75 mm	Uncoated	-	-	-	**2469358**	22.96	**16.63**	-	-	-
VP60	0.649"	0.0051"	8	14	1.75 mm	TiN	-	-	-	-	-	-	**2449399**	28.56	**20.72**
VP55	0.649"	0.0024"	16	48	0.5 mm	TiAlN	**1268764**	28.56	**20.72**	-	-	-	-	-	-
VP55	0.649"	0.0024"	16	48	0.02 mm	TiN	-	-	-	-	-	-	**2478043**	28.56	**20.72**
VP60	0.649"	0.0029"	16	48	0.5 mm	TiAlN	**1455003**	28.56	**20.72**	-	-	-	-	-	-
VP60	0.649"	0.003"	16	48	0.5 mm	Uncoated	-	-	-	**2411017**	22.96	**16.63**	-	-	-
VP60	0.649"	0.0029"	16	48	0.5 mm	TiN	-	-	-	-	-	-	**2485948**	28.56	**20.72**
VP55	0.649"	0.0027"	8	48	0.5 mm	TiAlN	**1268765**	28.56	**20.72**	-	-	-	-	-	-
-	0.63"	0.003"	8	48	0.02 mm	Uncoated	-	-	-	**2449132**	22.96	**16.63**	-	-	-
VP55	0.649"	0.0027"	8	48	0.5 mm	TiN	-	-	-	-	-	-	**2480724**	28.56	**20.72**
VP60	0.649"	0.0031"	8	48	0.5 mm	TiAlN	**0438983**	28.21	**20.72**	-	-	-	-	-	-
VP60	0.649"	0.0031"	8	48	0.5 mm	TiN	-	-	-	-	-	-	**2485946**	28.56	**20.72**
VP55	0.649"	0.0091"	8	14	1.75 mm	TiAlN	**1268766**	28.56	**20.72**	-	-	-	-	-	-
VP55	0.649"	0.0091"	8	14	1.75 mm	TiN	-	-	-	-	-	-	**2450446**	28.56	**20.72**
VP60	0.649"	0.0087"	8	14	1.75 mm	TiAlN	**1268767**	28.56	**20.72**	-	-	-	-	-	-
VP60	0.649"	0.0087"	8	14	1.75 mm	Uncoated	-	-	-	**2449319**	22.96	**16.63**	-	-	-
VP60	0.649"	0.0087"	8	14	1.75 mm	TiN	-	-	-	-	-	-	**2449466**	28.56	**20.72**
VP60	0.649"	0.002"	16	48	0.5 mm	TiAlN	**1268869**	28.56	**20.72**	-	-	-	-	-	-
VP60	0.649"	0.002"	16	48	0.5 mm	TiN	-	-	-	-	-	-	**2482177**	28.56	**20.72**
VP55	0.649"	0.0027"	8	48	0.5 mm	TiAlN	**1268870**	28.56	**20.72**	-	-	-	-	-	-
VP60	0.649"	0.002"	8	48	0.5 mm	TiAlN	**1268871**	28.56	**20.72**	-	-	-	-	-	-
VP60	0.649"	0.002"	8	48	0.5 mm	TiN	-	-	-	-	-	-	**2468121**	28.56	**20.72**
VP55	0.649"	0.0079"	8	14	1.75 mm	TiAlN	**1268872**	28.56	**20.72**	-	-	-	-	-	-
VP60	0.649"	0.0051"	8	14	1.75 mm	TiAlN	**1268873**	28.56	**20.72**	-	-	-	-	-	-
VP55	0.649"	0.002"	16	48	0.5 mm	TiN	-	-	-	-	-	-	**2449281**	28.56	**20.72**
VP60	0.649"	0.0029"	16	48	0.5 mm	TiAlN	**1455605**	28.56	**20.72**	-	-	-	-	-	-
VP60	0.649"	0.0031"	16	48	0.5 mm	TiN	-	-	-	-	-	-	**2468116**	28.56	**20.72**
VP55	0.649"	0.0028"	8	48	0.5 mm	TiAlN	**1268678**	28.56	**20.72**	-	-	-	-	-	-
VP55	0.649"	0.0027"	8	48	0.5 mm	TiN	-	-	-	-	-	-	**2482967**	28.56	**20.72**
VP60	0.649"	0.0024"	8	48	0.5 mm	TiAlN	**1455597**	28.56	**20.72**	-	-	-	-	-	-
VP60	0.649"	0.0024"	8	48	0.5 mm	TiN	-	-	-	-	-	-	**2482971**	28.56	**20.72**
VP60	0.649"	0.0087"	8	14	1.75 mm	TiAlN	**1455596**	28.56	**20.72**	-	-	-	-	-	-
VP60	0.649"	0.0087"	8	14	1.75 mm	TiN	-	-	-	-	-	-	**2468128**	28.56	**20.72**

60690

duMONT Minute Man® Industrial Broaches

duMont® Keyway Broach Sets

- Now you can make precision holes or keyways in seconds... a few at a time or production quantities... by a simple push-through broaching operation using a hand operated arbor press or hydraulic press
- All sets furnished in handsome varnished wood box come complete with precision broaches, slotted bushings, and necessary shims
- Set No. 00 - the most common keyway combinations for small keyways and bores. 3 broaches & 5 bushings = 15 combinations



Bushings	Style	Order No.	Regular Price	SALE
1/4|5/16|3/8|7/16|1/2	A	**0433499**	657.19	**591.47**

12683

C-L Chicago-Latrobe®

Screw Machine Drills

Fractional Sizes - High Speed Steel ▪ 135° Split Point

- Manufactured to NAS 907 Type C Aircraft specifications
- Ideal for medium duty portable or machine drilling in low alloys and stainless steels
- Chicago-Latrobe List #159



				Chicago-Latrobe		
Drill Bit Size / Cutting Diameter (DC)	Decimal Equivalent	Flute Length	Overall Length (OAL)	Order No.	Regular Price	SALE
3/64″	0.0469″	1/2″	1-3/8″	**0281532**	5.17	**3.61**
1/16″	0.0625″	5/8″	1-5/8″	**0281533**	5.21	**3.64**
5/64″	0.0781″	11/16″	1-11/16″	**0281534**	5.25	**3.68**
3/32″	0.0938″	3/4″	1-3/4″	**0281535**	5.26	**3.68**
7/64″	0.1094″	13/16″	1-13/16″	**0281536**	5.28	**3.70**
1/8″	0.125″	7/8″	1-7/8″	**0281537**	5.29	**3.71**
9/64″	0.1406″	15/16″	1-15/16″	**0281538**	5.64	**3.95**
5/32″	0.1563″	1″	2-1/16″	**0281539**	5.82	**4.07**
11/64″	0.1719″	1-1/16″	2-1/8″	**0281541**	5.94	**4.16**
3/16″	0.1875″	1-1/8″	2-3/16″	**0281542**	6.24	**4.37**
13/64″	0.2031″	1-3/16″	2-1/4″	**0281543**	6.82	**4.77**
7/32″	0.2188″	1-1/4″	2-3/8″	**0281544**	7.99	**5.60**
15/64″	0.2344″	1-5/16″	2-7/16″	**0281545**	8.34	**5.84**
17/64″	0.2656″	1-7/16″	2-5/8″	**0281547**	9.88	**6.92**
9/32″	0.2813″	1-1/2″	2-11/16″	**0281549**	10.39	**7.27**
19/64″	0.2969″	1-9/16″	2-3/4″	**0281550**	12.21	**8.54**
5/16″	0.3125″	1-5/8″	2-13/16″	**0281551**	12.56	**8.79**
21/64″	0.3281″	1-11/16″	2-15/16″	**0281552**	14.00	**9.80**
11/32″	0.3438″	1-11/16″	3″	**0281553**	15.36	**10.75**
23/64″	0.3594″	1-3/4″	3-1/16″	**0281554**	17.40	**12.18**
3/8″	0.375″	1-13/16″	3-1/8″	**0281555**	18.27	**12.80**
25/64″	0.3906″	1-7/8″	3-1/4″	**0281556**	20.76	**14.53**
13/32″	0.4063″	1-15/16″	3-5/16″	**0281558**	21.60	**15.12**
27/64″	0.4219″	2″	3-3/8″	**0281559**	23.86	**16.70**
7/16″	0.4375″	2-1/16″	3-7/16″	**0281560**	24.12	**16.88**
29/64″	0.4531″	2-1/8″	3-9/16″	**0281561**	28.87	**20.20**
15/32″	0.4688″	2-1/8″	3-5/8″	**0281562**	30.46	**21.32**
31/64″	0.4844″	2-3/16″	3-11/16″	**0281563**	31.40	**21.98**
1/2″	0.5″	2-1/4″	3-3/4″	**0281564**	31.70	**22.19**
1/4″ | E	0.25″	1-3/8″	2-1/2″	**0281546**	8.75	**6.13**

12722

MORSE Straight Flute Hand Taps - Imperial

Ground Thread High Speed Steel - Plug

- Straight Flute hand taps are used for hand tapping and machine tapping in through holes or blind holes in a wide variety of materials.



Thread Diameter Size (TDZ)	Threads per Inch (TPI)	Thread Tolerance Class (TCTR)	Flute Count (NOF)	Thread Cutting Part Length (THL)	Overall Length (OAL)	Connection Diameter Machine Side (DCONMS)	Chamfer	Order No.	Regular Price	SALE
#4	40	H2	3	9/16″	1-7/8″	0.141″	Plug	**1030518**	13.28	**10.59**
#6	32	H3	3	11/16″	2″	0.141″	Plug	**1030528**	9.98	**7.49**
#8	32	H3	4	3/4″	2-1/8″	0.168″	Plug	**1030536**	10.01	**7.50**
#10	24	H3	4	7/8″	2-3/8″	0.194″	Plug	**1030544**	11.23	**8.43**
#10	32	H3	4	7/8″	2-3/8″	0.194″	Plug	**1030551**	12.08	**9.06**
1/4″	28	H3	4	1″	2-1/2″	0.255″	Plug	**1030217**	11.03	**8.27**
1/4″	20	H3	4	1″	2-1/2″	0.255″	Plug	**1030210**	10.71	**8.04**
5/16″	18	H3	4	1-1/8″	2-23/32″	0.318″	Plug	**1030221**	13.62	**10.22**
5/16″	24	H3	4	1-1/8″	2-23/32″	0.318″	Plug	**1030225**	13.62	**10.22**
3/8″	16	H3	4	1-1/4″	2-15/16″	0.381″	Plug	**1030230**	15.32	**11.49**
3/8″	24	H3	4	1-1/4″	2-15/16″	0.381″	Plug	**1030235**	15.32	**11.49**
1/2″	20	H3	4	1-21/32″	3-3/8″	0.367″	Plug	**1030249**	36.22	**27.16**
1/2″	13	H3	4	1-21/32″	3-3/8″	0.367″	Plug	**1030245**	29.00	**23.15**
5/8″	11	H3	4	1-13/16″	3-13/16″	0.48″	Plug	**1030257**	60.00	**45.01**
3/4″	10	H3	4	2″	4-1/4″	0.59″	Plug	**1030264**	84.49	**63.36**
7/8″	9	H4	4	2-7/32″	4-11/16″	0.697″	Plug	**1030270**	108.52	**86.63**
1″	8	H4	4	2-1/2″	5-1/8″	0.8″	Plug	**1030274**	144.12	**108.09**
1-1/8″	7	H4	4	2-9/16″	5-7/16″	0.896″	Plug	**1030278**	238.17	**178.63**
1-1/4″	7	H4	4	2-9/16″	5-3/4″	1.021″	Plug	**1030280**	314.36	**250.93**
1-3/8″	6	H4	4	3″	6-1/16″	1.108″	Plug	**1030282**	383.44	**306.08**
1-1/2″	6	H4	4	1-1/2″	6-3/8″	1.233″	Plug	**1030284**	457.12	**364.89**

36902

MORSE Straight Flute Hand Taps - Metric

Ground Thread - High Speed Steel - Plug

- Straight Flute hand taps are used for hand tapping and machine tapping in through holes or blind holes in a wide variety of materials.



Thread Diameter Size (TDZ)	Thread Pitch (TP)	Thread Tolerance Class (TCTR)	Flute Count (NOF)	Thread Cutting Part Length (THL)	Overall Length (OAL)	Coating	Order No.	Regular Price	SALE
M3	0.5 mm	D3	3	5/8″	1-15/16″	Uncoated	**1031023**	18.88	**15.06**
M4	0.7 mm	D4	4	3/4″	2-1/8″	Uncoated	**1031025**	17.61	**13.22**
M5	0.8 mm	D4	4	7/8″	2-3/8″	Uncoated	**1031027**	14.92	**11.20**
M6	1 mm	D5	4	1″	2-1/2″	Uncoated	**1031028**	17.81	**13.36**
M8	1.25 mm	D5	4	1-1/8″	2-23/32″	Uncoated	**1031030**	16.21	**12.17**
M10	1.5 mm	D6	4	1-1/4″	2-15/16″	Uncoated	**1031031**	31.18	**23.38**
M12	1.75 mm	D6	4	1-21/32″	3-3/8″	Uncoated	**1031032**	40.73	**32.53**
M14	2 mm	D7	4	1-21/32″	3-19/32″	Uncoated	**1031033**	61.17	**45.88**
M16	2 mm	D7	4	1-13/16″	3-13/16″	Uncoated	**1031034**	68.09	**54.36**
M18	1.5 mm	D6	4	1-13/16″	4-1/32″	Uncoated	**1031046**	89.27	**71.27**
M20	2.5 mm	D7	4	2″	4-15/32″	Uncoated	**1031036**	121.49	**91.13**
M22	2.5 mm	D7	4	2-7/32″	4-11/16″	Uncoated	**1031049**	126.47	**100.95**
M24	3 mm	D8	4	2-7/32″	4-29/32″	Uncoated	**1031051**	161.33	**128.77**

37164

4 Flute TuffCut® XR HP ALtima® Coated End Mill



Center Cutting ▪ Variable Helix ▪ Fractional Sizes

- Recommended for slotting and general purpose milling
- Very high feed rates & excellent surface finish
- Unique flute geometry allows for increased feeds and speeds while reducing harmonics
- Coated with ALtima® (AlTiN)
- for extended tool life
- M A Ford List #177

					Square			0.015"			0.03"			0.06"			0.09"		
Cutting Diameter (DC)	Decimal Equivalent	Connection Diameter Machine Side (DCONMS)	Depth of Cut Maximum (APMX)	Overall Length (OAL)	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
1/16"	0.0625"	1/8"	1/8"	1-1/2"	**0328970**	78.65	**62.92**	-	-	-	-	-	-	-	-	-	-	-	-
3/32"	0.09375"	1/8"	3/16"	1-1/2"	**0328971**	71.75	**57.40**	-	-	-	-	-	-	-	-	-	-	-	-
1/8"	0.125"	1/8"	1/8"	1-1/2"	**0328972**	50.97	**40.78**	**0328989**	53.41	**42.73**	-	-	-	-	-	-	-	-	-
1/8"	0.125"	1/8"	3/8"	1-1/2"	**0329969**	54.19	**43.36**	**0328990**	56.60	**45.28**	-	-	-	-	-	-	-	-	-
5/32"	0.15625"	3/16"	7/16"	2"	**0328974**	76.54	**61.24**	**0328992**	80.18	**64.15**	-	-	-	-	-	-	-	-	-
5/32"	0.15625"	1/4"	1/4"	2"	-	-	-	**0328997**	98.01	**78.41**	-	-	-	-	-	-	-	-	-
5/32"	0.15625"	3/16"	3/16"	2"	**0328973**	72.13	**57.71**	**0329981**	75.71	**60.56**	-	-	-	-	-	-	-	-	-
3/16"	0.1875"	3/16"	7/16"	2"	**0329970**	74.93	**59.95**	**0328995**	78.54	**62.83**	**0328996**	78.54	**62.83**	-	-	-	-	-	-
3/16"	0.1875"	3/16"	3/16"	2"	**0328975**	70.55	**56.43**	**0328993**	73.70	**58.95**	**0328994**	73.70	**58.95**	-	-	-	-	-	-
7/32"	0.21875"	1/4"	7/16"	2-1/2"	**0328977**	99.67	**79.73**	**0329983**	104.05	**83.24**	**0329984**	104.05	**83.24**	-	-	-	-	-	-
7/32"	0.21875"	1/4"	1/4"	2"	-	-	-	-	-	-	**0329982**	98.01	**78.41**	-	-	-	-	-	-
1/4"	0.25"	1/4"	1/4"	2"	**0328978**	86.17	**68.94**	**0328999**	89.99	**71.99**	**0329985**	89.99	**71.99**	-	-	-	-	-	-
1/4"	0.25"	1/4"	1/2"	2-1/2"	**0329971**	91.73	**73.39**	**0329000**	95.66	**76.52**	**0329001**	95.66	**76.52**	-	-	-	-	-	-
9/32"	0.28125"	5/16"	5/8"	2-1/2"	**0328979**	125.55	**100.44**	**0329002**	131.19	**104.96**	**0329986**	131.19	**104.96**	-	-	-	-	-	-
5/16"	0.3125"	5/16"	13/16"	2-1/2"	**0329972**	125.55	**100.44**	**0329005**	131.19	**104.96**	**0329006**	131.19	**104.96**	-	-	-	-	-	-
5/16"	0.3125"	5/16"	5/16"	2"	**0328980**	117.98	**94.39**	**0329003**	123.52	**98.81**	**0329004**	123.52	**98.81**	-	-	-	-	-	-
11/32"	0.34375"	3/8"	13/16"	2-1/2"	**0328981**	151.07	**120.86**	**0329987**	158.66	**126.92**	**0329988**	158.66	**126.92**	-	-	-	-	-	-
3/8"	0.375"	3/8"	7/8"	2-1/2"	**0329973**	151.07	**120.86**	**0329010**	158.66	**126.92**	**0329011**	158.66	**126.92**	-	-	-	-	-	-
3/8"	0.375"	3/8"	3/8"	2"	**0328982**	141.86	**113.48**	**0329008**	149.11	**119.29**	**0329009**	149.11	**119.29**	-	-	-	-	-	-
13/32"	0.40625"	7/16"	15/16"	2-3/4"	**0329974**	194.49	**155.60**	**0329989**	203.70	**162.96**	**0329990**	203.70	**162.96**	-	-	-	-	-	-
7/16"	0.4375"	7/16"	1"	2-3/4"	**0328984**	194.49	**155.60**	**0329012**	203.70	**162.96**	**0329013**	203.70	**162.96**	-	-	-	-	-	-
7/16"	0.4375"	7/16"	7/16"	2-1/2"	**0328983**	182.98	**146.38**	**0329991**	191.35	**153.08**	**0329992**	191.35	**153.08**	-	-	-	-	-	-
15/32"	0.46875"	1/2"	1"	3"	**0329975**	247.14	**197.71**	**0329993**	259.52	**207.62**	**0329994**	259.52	**207.62**	-	-	-	-	-	-
1/2"	0.5"	1/2"	1-1/4"	3"	**0329059**	259.52	**207.62**	**0330228**	272.64	**218.11**	**0329060**	272.64	**218.11**	**0329061**	272.64	**218.11**	**0330229**	272.64	**218.11**
1/2"	0.5"	1/2"	1"	3"	**0329976**	247.14	**197.71**	**0329017**	259.52	**207.62**	**0329018**	259.52	**207.62**	**0329047**	259.52	**207.62**	**0330101**	259.52	**207.62**
1/2"	0.5"	1/2"	1/2"	2-1/2"	**0328985**	232.01	**185.61**	**0329015**	243.92	**195.13**	**0329016**	243.92	**195.13**	-	-	-	-	-	-
9/16"	0.5625"	9/16"	1-1/8"	3-1/2"	**0329977**	422.51	**338.00**	**0329995**	438.42	**350.74**	**0329996**	438.42	**350.74**	-	-	-	-	-	-
5/8"	0.625"	5/8"	1-1/4"	3-1/2"	**0329978**	466.38	**373.10**	**0329052**	490.22	**392.18**	**0329020**	490.22	**392.18**	**0330103**	490.22	**392.18**	**0330104**	490.22	**392.18**
5/8"	0.625"	5/8"	5/8"	3"	**0328986**	438.42	**350.74**	**0330168**	462.34	**369.87**	**0329019**	462.34	**369.87**	-	-	-	-	-	-
3/4"	0.75"	3/4"	1-1/2"	4"	**0329979**	685.61	**548.49**	**0329053**	721.48	**577.18**	**0329023**	721.48	**577.18**	**0329048**	721.48	**577.18**	**0330106**	721.48	**577.18**
3/4"	0.75"	3/4"	3/4"	3"	**0328987**	641.75	**513.39**	**0330169**	677.57	**542.05**	**0329998**	677.57	**542.05**	-	-	-	-	-	-
1"	1"	1"	1-1/2"	4"	**0329980**	1044.34	**835.48**	**0329054**	1092.17	**873.74**	**0329024**	1092.17	**873.74**	**0330107**	1092.17	**873.74**	**0330108**	1092.17	**873.74**
1"	1"	1"	1"	4"	**0328988**	980.55	**784.43**	**0330170**	1024.42	**819.53**	**0330001**	1024.42	**819.53**	-	-	-	-	-	-

12834

SHAVIV
Leading Deburring Solutions

Replacement Blades - Style B



Blade Type	Work Direction	Hand Operation	Blade Material	Order No.	Regular Price	SALE
B10C	Clockwise	Right Hand	Carbide	**0558492**	13.90	**9.73**
B10P	Clockwise	Right Hand	High Speed Steel TiN Coated	**0558495**	5.92	**4.14**
B10	Clockwise	Right Hand	High Speed Steel	**0558489**	3.50	**2.45**
B11	Clockwise	Right Hand	High Speed Steel	**0558497**	3.07	**2.14**
B12	Clockwise	Right Hand	High Speed Steel	**0558498**	2.97	**2.07**
B25	Clockwise	Right Hand	High Speed Steel	**0558503**	3.35	**2.34**
B30	Clockwise	Right Hand	High Speed Steel	**0558505**	4.17	**2.93**
B50	Clockwise	Right Hand	High Speed Steel Carbide Tipped	**0558509**	10.08	**7.06**
B60	Clockwise	Right Hand	High Speed Steel	**0558510**	6.47	**4.52**
B20C	Clockwise & Counter-Clockwise	Right Hand	Carbide	**0558501**	13.90	**9.73**
B20P	Clockwise & Counter-Clockwise	Right Hand	High Speed Steel TiN Coated	**0558502**	5.82	**4.07**
B20	Clockwise & Counter-Clockwise	Right Hand	High Speed Steel	**0558500**	3.86	**2.70**
B32	Clockwise & Counter-Clockwise	Right Hand	High Speed Steel	**0558507**	4.61	**3.22**
B70	Straight	Right Hand	High Speed Steel Carbide Tipped	**0558511**	15.16	**10.61**

6237

The A Brand

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

Stub Length - 2 Flute



- Variable Negative Spiral Gash - Controls chipping while securing cutting quality by making the negative angle weaker near the outer periphery; chipping resistance is enhanced in combination with the weaker helix angle specification
- Superior Ball R Precision - Secures stable R accuracy across 180°
- Thickness at Center - Thickening of the center core to prevent deformation of the ball tip and improve control of chipping
- Superior Shank Accuracy - Supports h4 tolerance (0/-0.004)

Cutting Diameter (DC)	Decimal Equivalent	Connection Diameter Machine Side (DCONMS)	Depth of Cut Maximum (APMX)	Overall Length (OAL)	Coating	Order No.	Regular Price	SALE
1/32″	0.0313″	1/4″	0.031″	1-1/2″	AlTiSiN	**0385873**	137.70	**123.93**
1/16″	0.0625″	1/4″	0.063″	1-1/2″	AlTiSiN	**0385874**	137.70	**123.93**
3/32″	0.0938″	1/4″	0.094″	1-1/2″	AlTiSiN	**0385875**	137.70	**123.93**
1/8″	0.125″	1/4″	1/8″	2″	AlTiSiN	**0385876**	137.70	**123.93**
3/16″	0.1875″	1/4″	0.188″	2-1/2″	AlTiSiN	**0385877**	145.59	**131.03**
1/4″	0.25″	1/4″	1/4″	3″	AlTiSiN	**0385878**	145.59	**131.03**
5/16″	0.3125″	5/16″	5/16″	3-1/2″	AlTiSiN	**0385879**	220.05	**198.04**
3/8″	0.375″	3/8″	3/8″	3-1/2″	AlTiSiN	**0385880**	265.61	**239.05**
1/2″	0.5″	1/2″	1/2″	4″	AlTiSiN	**0385881**	451.92	**406.73**

831

The A Brand

A Brand® - AT-1 Advanced Performance One Pass Carbide Thread-Mill

Helical Flute - Metric



- Unequal Spacing / Variable Lead Flute - For reduced vibration
- Right-Hand Cut & Left-Hand Helix Geometry - Increases tool stability
- EgiAs Coating - For exceptional wear resistance
- Ultra-Fine Grain Carbide - For high wear resistance and toughness

Thread Size	Thread Pitch (TP)	Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Usable Length (LU)	Overall Length (OAL)	Flute Count (NOF)	Order No.	Regular Price	SALE
M6	0.75 mm	4.5 mm	6 mm	13.5 mm	75 mm	4	**0381749**	322.90	**290.61**
M6	1 mm	4.5 mm	6 mm	14 mm	75 mm	4	**0381750**	322.90	**290.61**
M8	1 mm	5.7 mm	6 mm	18 mm	75 mm	4	**0381751**	324.46	**292.01**
M8	1.25 mm	5.7 mm	6 mm	18.75 mm	75 mm	4	**0381758**	324.46	**292.01**
M10	1 mm	7.7 mm	8 mm	22 mm	85 mm	4	**0381759**	353.11	**317.80**
M10	1.25 mm	7.7 mm	8 mm	22.5 mm	85 mm	4	**0381761**	353.11	**317.80**
M10	1.5 mm	7.7 mm	8 mm	24 mm	85 mm	4	**0381762**	353.11	**317.80**
M12	1 mm	9.7 mm	10 mm	26 mm	100 mm	5	**0381763**	425.22	**382.70**
M12	1.25 mm	9.7 mm	10 mm	27.5 mm	100 mm	5	**0381771**	425.22	**382.70**
M12	1.5 mm	9.7 mm	10 mm	27 mm	100 mm	5	**0381772**	425.22	**382.70**
M12	1.75 mm	9.7 mm	10 mm	28 mm	100 mm	5	**0381773**	425.22	**382.70**
M14	1.5 mm	10.7 mm	12 mm	31.5 mm	120 mm	5	**0381774**	642.03	**577.82**
M14	2 mm	9.7 mm	10 mm	32 mm	100 mm	5	**0381775**	425.22	**382.70**
M16	1.5 mm	13.7 mm	16 mm	36 mm	135 mm	5	**0381776**	1143.60	**1029.24**
M16	2 mm	11.7 mm	12 mm	36 mm	120 mm	5	**0381777**	642.03	**577.82**
M18	2.5 mm	11.7 mm	12 mm	42.5 mm	120 mm	5	**0381778**	642.03	**577.82**
M20	1.5 mm	15.7 mm	16 mm	43.5 mm	135 mm	5	**0381779**	1143.60	**1029.24**
M20	2.5 mm	13.7 mm	16 mm	45 mm	135 mm	5	**0381780**	1143.60	**1029.24**
M24	2 mm	19.7 mm	20 mm	52 mm	150 mm	6	**0381781**	1593.91	**1434.52**
M24	3 mm	19.7 mm	20 mm	54 mm	150 mm	6	**0381782**	1593.91	**1434.52**

4809

ARCH Cutting Tools KEO

Solid Carbide Combined Drills & Countersinks-Plain Type

60, 82 & 90°

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



				60 Degrees			90 Degrees			82 Degrees		
Size	Drill Bit Size / Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Overall Length (OAL)	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
#00	1/8″	1/8″	1-1/2″	0217239	43.25	36.76	0217241	41.26	35.07	0217240	41.26	35.07
#000	1/8″	1/8″	1-1/2″	0217236	53.56	45.53	0217238	53.56	45.53	0217237	53.56	45.53
#0000	1/8″	1/8″	1-1/2″	0217233	73.09	62.13	0217235	73.09	62.13	0217234	73.09	62.13
#00000	1/8″	1/8″	1-1/2″	0217230	77.81	66.14	0217232	77.81	66.14	0217231	77.81	66.14
#0	1/8″	1/8″	1-1/2″	0217242	39.24	33.36	0217244	37.49	31.86	0217243	37.49	31.86
#1	1/8″	1/8″	1-1/2″	0217245	39.24	33.36	0217247	37.49	31.86	0217246	37.49	31.86
#2	3/16″	3/16″	2″	0217254	59.16	50.29	0217256	56.52	48.03	0217255	56.52	48.03
#3	1/4″	1/4″	2″	0217257	78.81	66.99	0217259	75.22	63.94	0217258	75.22	63.94
#4	5/16″	5/16″	2-1/8″	0217260	100.23	85.19	0217262	95.77	81.41	0217261	95.77	81.41
#5	7/16″	7/16″	2-3/4″	0217263	156.31	132.86	0217266	149.27	126.88	0217265	149.27	126.88
#6	1/2″	1/2″	3″	0217267	205.87	174.99	0217269	196.69	167.19	0217268	196.69	167.19
#7	5/8″	5/8″	3-3/4″	0217270	459.77	390.81	0217272	439.17	373.30	0217271	439.17	373.30
#8	3/4″	3/4″	4″	0217273	627.07	533.01	0217275	598.89	509.05	0217274	598.89	509.05

12822

ARCH Cutting Tools KEO

Spotting & Centering Drills

High Speed Steel ▪ 90° and 118° ▪ Right and Left Hand

- Prevent misalignment frequently caused by using regular drills for centering
- These short drills can be chucked close to the point ensuring accuracy and true starts



				118 Degrees			90 Degrees		
Size	Drill Bit Size / Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Overall Length (OAL)	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
1/8″	1/8″	1/8″	1-1/4″	0217444	11.84	10.07	0217449	38.81	32.98
1/8″	1/8″	1/8″	1-1/4″	0217448	38.81	32.98	0217446	11.84	10.07
3/16″	3/16″	3/16″	1-3/8″	0217450	12.87	10.93	0217455	34.55	29.37
3/16″	3/16″	3/16″	1-3/8″	0217454	34.55	29.37	0217452	12.87	10.93
1/4″	1/4″	1/4″	1-1/2″	0217456	14.18	12.05	0217461	35.60	30.27
1/4″	1/4″	1/4″	1-1/2″	0217460	35.60	30.27	0217458	14.18	12.05
5/16″	5/16″	5/16″	1-1/2″	0217462	16.11	13.69	0217467	38.16	32.44
5/16″	5/16″	5/16″	1-1/2″	0217466	38.16	32.44	0217464	16.11	13.69
3/8″	3/8″	3/8″	2″	0217474	18.27	15.53	0217476	18.27	15.53
3/8″	3/8″	3/8″	2″	0217478	45.92	39.03	0217479	45.92	39.03
7/16″	7/16″	7/16″	2″	0217490	48.59	41.30	0217491	48.59	41.30
7/16″	7/16″	7/16″	2″	0217486	24.61	20.92	0217488	24.61	20.92
1/2″	1/2″	1/2″	2″	0217442	53.37	45.36	0217440	30.14	25.62
1/2″	1/2″	1/2″	2″	0217438	30.14	25.62	0217443	53.37	45.36
9/16″	9/16″	9/16″	2″	0217498	44.88	38.15	0217503	59.85	50.88
9/16″	9/16″	9/16″	2″	0217502	59.85	50.88	0217500	44.88	38.15
5/8″	5/8″	5/8″	2-1/4″	0217480	49.84	42.36	0217485	65.79	55.92
5/8″	5/8″	5/8″	2-1/4″	0217484	65.79	55.92	0217482	49.84	42.36
3/4″	3/4″	3/4″	2-1/4″	0217472	95.77	81.41	0217470	69.33	58.93
3/4″	3/4″	3/4″	2-1/4″	0217468	69.33	58.93	0217473	95.77	81.41
7/8″	7/8″	7/8″	2-1/2″	0217492	84.94	72.20	0217497	112.46	95.59
7/8″	7/8″	7/8″	2-1/2″	0217496	112.46	95.59	0217494	84.94	72.20
1″	1″	1″	2-1/2″	0217504	108.61	92.32	0217506	108.61	92.32
1″	1″	1″	2-1/2″	0217508	144.94	123.20	0217509	144.94	123.20
1-1/4″	1-1/4″	1-1/4″	4″	0217516	212.72	180.81	0217518	212.72	180.81
1-1/4″	1-1/4″	1-1/4″	4″	0217520	280.81	238.69	0217521	280.81	238.69
1-1/2″	1-1/2″	1-1/2″	5″	0217510	331.76	281.99	0217512	331.76	281.99
1-1/2″	1-1/2″	1-1/2″	5″	0217514	438.06	372.36	0217515	438.06	372.36
1-3/4″	1-3/4″	1-3/4″	5-1/2″	0217522	500.32	425.26	0217527	659.30	560.41
1-3/4″	1-3/4″	1-3/4″	5-1/2″	0217526	659.30	560.41	0217524	500.32	425.26

7618

IMCO POW•R•FEED M936

Faster, Clog-Free Cutting Power



- Proprietary end geometries for extremely aggressive ramping and helical entry parameters
- Variable helix angle for excellent chip evacuation, long tool life
- Variable index for reduced chatter provides superior balance, super-stable performance
- Extra-fine cutting edges extend tool performance and allow the versatile tool also to be used in dynamic, high efficiency machining situations

				0.09"			1/8"			0.19"			1/4"		
Cutting Diameter (DC)	Depth of Cut Maximum (APMX)	Overall Length (OAL)	Connection Diameter Machine Side (DCONMS)	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
3/8"	1/2"	2"	3/8"	-	-	-	**750560A**	231.90	**185.51**	-	-	-	-	-	-
3/8"	1-1/4"	3"	3/8"	-	-	-	**750561A**	263.03	**210.42**	-	-	-	-	-	-
3/8"	1-1/2"	3-1/2"	3/8"	-	-	-	**750562A**	289.84	**231.87**	-	-	-	-	-	-
1/2"	1"	3"	1/2"	-	-	-	**228413A**	332.26	**265.80**	-	-	-	-	-	-
1/2"	1-1/4"	3"	1/2"	-	-	-	**239705A**	344.05	**275.24**	**750571A**	349.85	**279.87**	-	-	-
1/2"	1-1/2"	3-1/2"	1/2"	-	-	-	**750563A**	368.13	**294.50**	**750572A**	376.49	**301.20**	-	-	-
1/2"	2"	4"	1/2"	-	-	-	**750564A**	420.59	**336.48**	**750573A**	428.72	**342.97**	-	-	-
5/8"	1-1/4"	3-1/2"	5/8"	-	-	-	**750565A**	651.81	**521.44**	-	-	-	-	-	-
5/8"	1-5/8"	3-1/2"	5/8"	**750556A**	706.33	**565.07**	**750566A**	709.93	**567.94**	**750574A**	719.59	**575.67**	-	-	-
3/4"	1"	3"	3/4"	**750557A**	885.82	**708.65**	**750567A**	889.41	**711.52**	**750575A**	902.02	**721.62**	**750578A**	904.26	**723.41**
3/4"	1-5/8"	4"	3/4"	**750558A**	960.69	**768.56**	**750568A**	967.61	**774.09**	**750576A**	975.67	**780.54**	**750579A**	978.64	**782.91**
3/4"	2-1/4"	5"	3/4"	**750559A**	1095.04	**876.04**	**228425A**	1096.16	**876.93**	**750577A**	1099.38	**879.51**	**750580A**	1101.59	**881.27**
1"	1-5/8"	4"	1"	-	-	-	**228426A**	1493.07	**1194.45**	-	-	-	**750581A**	1515.43	**1212.34**
1"	2"	4-1/2"	1"	-	-	-	**750569A**	1564.05	**1251.24**	-	-	-	**750582A**	1585.51	**1268.41**
1"	2-5/8"	5"	1"	-	-	-	**750570A**	1839.91	**1471.93**	-	-	-	**750583A**	1861.24	**1489.00**

61311

Single Flute Countersinks - Carbide

60, 82, 90, 100 & 120 Degree



- Produces a smoother finish
- Can be used when multi-flute countersinks chatter
- Carbide offers excellent wear resistance, heat resistance and rigidity
- Recommended for abrasive materials, difficult-to-drill materials and increased tool life in production applications

			60 Degrees			82 Degrees			90 Degrees			100 Degrees			120 Degrees		
Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Overall Length (OAL)	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
1/8"	1/8"	1-1/2"	**1037689**	26.19	**18.34**	**1037690**	26.19	**18.34**	**1037691**	26.19	**18.34**	**1037707**	26.19	**18.34**	**1037708**	31.97	**23.83**
3/16"	3/16"	2"	**1037674**	33.86	**27.03**	**1037675**	33.86	**27.03**	**1037676**	35.24	**24.67**	**1037677**	33.86	**27.03**	**1037678**	50.27	**35.20**
1/4"	1/4"	2"	**1037692**	41.02	**28.71**	**1037693**	41.02	**28.71**	**1037694**	41.02	**28.71**	**1037709**	41.02	**28.71**	**1037710**	58.52	**40.96**
3/8"	1/4"	2-1/2"	**1037695**	60.57	**45.13**	**1037696**	60.57	**45.13**	**1037697**	60.57	**45.13**	**1037711**	60.57	**45.13**	**1037712**	86.40	**64.37**
1/2"	1/4"	2-1/2"	**1037698**	71.59	**53.34**	**1037699**	71.59	**53.34**	**1037700**	71.59	**53.34**	**1037713**	71.59	**53.34**	**1037714**	102.12	**76.09**
5/8"	1/4"	2-1/2"	**1037679**	101.17	**80.76**	**1037680**	106.79	**74.76**	**1037681**	101.17	**80.76**	**1037682**	101.56	**76.17**	**1037683**	144.86	**108.64**
3/4"	3/8"	3"	**1037701**	138.88	**97.22**	**1037702**	138.88	**97.22**	**1037703**	138.88	**97.22**	**1037715**	138.88	**97.22**	**1037716**	198.10	**138.67**
1"	1/2"	3"	**1037704**	188.15	**141.11**	**1037705**	182.39	**136.79**	**1037706**	182.39	**136.79**	**1037717**	188.15	**141.11**	**1037718**	268.38	**201.29**
1-1/4"	3/4"	3-1/2"	**1037719**	423.88	**317.91**	**1037720**	420.55	**315.41**	**1037721**	423.88	**317.91**	**1037722**	423.88	**317.91**	**1037723**	423.88	**317.91**
1-1/2"	3/4"	3-1/2"	**1037724**	646.69	**485.02**	**1037725**	646.69	**485.02**	**1037726**	651.81	**488.87**	**1037727**	651.81	**488.87**	**1037728**	651.81	**488.87**

61430

YT1200 Scraper

- Ideal for scraping, trimming and deburring almost all materials
- Includes: YT1000 handle and T80 double ended triangular scraper



Order No.	Regular Price	SALE
0558795	16.67	**12.50**

5843

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
0558658	44.39	**33.29**

726

ADJ SCRAPER T80

- Ideal for scraping, trimming and deburring almost all materials
- Includes: YT1000 handle and T80 double ended triangular scraper



Order No.	Regular Price	SALE
0558798	19.60	**14.70**

59755

SC Holder

- 12mm Anodized handle
- Knurled locking collar to control blade extension
- Holds: D50, D66, D75, D77 and T80 scrapers



For Use With	Type	Order No.	Regular Price	SALE
D50, D66, D75, D77, T80 Scrapers	Scraper Handle	**0558762**	18.24	**13.68**

729

S Promo Set

- Deburrs: steel, aluminum and plastic.
- Includes: NogaGrip 1 handle, 10 Pcs. S10 blades



Order No.	Regular Price	SALE
0558718	28.49	**21.36**

725

Mini Ceramic Handle and Convexed Blade

Model CR1500

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



Blade Type	Order No.	Regular Price	SALE
CR	**0558645**	37.91	**28.43**

2039

Adjustable Ceramic Mini Scraper

Model CR4100

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



Order No.	Regular Price	SALE
0558650	46.45	**34.85**

2040

Keyway Burr Blades

- K Holder Blades



Blade Type	Order No.	Regular Price	SALE
N70K	**0558737**	14.52	**10.16**
N80K	**0558739**	10.64	**7.45**
N80K-M42	**0558740**	14.24	**9.97**
N90K	**0558742**	11.77	**8.83**

5812

Double Burr Blades

- Double Burr Blade
- Simultaneously removes burrs from both sides of sheet metal
- Range: 0-12mm
- For corners, use one blade only



Blade Type	Application	Order No.	Regular Price	SALE
N80-M42	Removes Burrs from Both Sides of Sheet Metal	**0558741**	14.24	**9.97**
N80	Removes Burrs from Both Sides of Sheet Metal	**0558738**	10.64	**7.45**

5804

D Holder

- D holder is designed to hold D50 and D66 blades
- A 3mm setscrew is holding the blade



For Use With	Type	Order No.	Regular Price	SALE
D50 and D66 Blades	D Blade Holder	**0558673**	11.45	**8.60**

5803

Ceramic Convexed Cera-Cut & Blades

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



Order No.	Regular Price	SALE
0558646	62.41	**46.82**

728

2 Flute Single End Mills

High Speed Steel ▪ Center Cutting



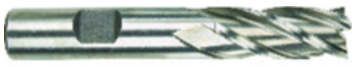
- 2 Flute end mills provide increased chip
- capacity and are recommended for slots,
- keyways and pockets
- Center cutting end allows for plunge cutting like a drill into solid material

Cutting Diameter (DC)	Decimal Equivalent	Connection Diameter Machine Side (DCONMS)	Depth of Cut Maximum (APMX)	Overall Length (OAL)	Order No.	Uncoated Regular Price	SALE
1/8″	0.125″	3/8″	3/8″	2-5/16″	**1022278**	36.61	**27.45**
3/16″	0.1875″	3/8″	7/16″	2-5/16″	**1022279**	34.30	**25.73**
1/4″	0.25″	3/8″	1/2″	2-5/16″	**1022280**	50.75	**38.07**
5/16″	0.3125″	3/8″	9/16″	2-5/16″	**1022281**	35.12	**28.04**
3/8″	0.375″	3/8″	9/16″	2-5/16″	**1022282**	50.75	**38.07**
7/16″	0.4375″	3/8″	13/16″	2-1/2″	**1022283**	46.78	**37.35**
1/2″	0.5″	1/2″	1″	3″	**1022285**	44.46	**35.48**
9/16″	0.5625″	1/2″	1-1/8″	3-1/8″	**1022286**	66.70	**50.02**
5/8″	0.625″	5/8″	1-5/16″	3-7/16″	**1022288**	61.98	**46.48**
3/4″	0.75″	3/4″	1-5/16″	3-9/16″	**1022293**	75.19	**60.02**
7/8″	0.875″	3/4″	1-1/2″	3-3/4″	**1022297**	96.45	**77.00**
1″	1″	3/4″	1-1/2″	3-3/4″	**1022303**	136.06	**108.61**
1-1/8″	1.125″	3/4″	1-1/2″	3-7/8″	**1022341**	141.84	**113.23**
1-1/4″	1.25″	3/4″	1-1/2″	3-7/8″	**1022342**	154.87	**116.16**
1-3/8″	1.375″	3/4″	1-1/2″	3-7/8″	**1022343**	177.67	**133.25**
1-1/2″	1.5″	3/4″	1-1/2″	3-7/8″	**1022344**	199.39	**149.55**
1-3/4″	1.75″	3/4″	1-1/2″	3-7/8″	**1022345**	237.74	**189.78**
2″	2″	1-1/4″	1-5/8″	4-1/2″	**1022317**	419.03	**314.27**

821

Multi-Flute - Single End - End Mills

High Speed Steel - 4550-197



- List Number 4550 - Center Cutting
- List Number 1897 - Non-Center Cutting

Cutting Diameter (DC)	Decimal Equivalent	Connection Diameter Machine Side (DCONMS)	Depth of Cut Maximum (APMX)	Overall Length (OAL)	4550 Order No.	4550 Regular Price	4550 SALE	1897 Order No.	1897 Regular Price	1897 SALE
1/8″	0.125″	3/8″	3/8″	2-5/16″	**1022007**	27.82	**20.86**	**1021811**	35.40	**28.27**
3/16″	0.1875″	3/8″	1/2″	2-3/8″	**1022008**	27.52	**20.65**	**1021812**	34.39	**27.46**
1/4″	0.25″	3/8″	5/8″	2-7/16″	**1022009**	35.61	**28.43**	**1021813**	32.28	**25.76**
5/16″	0.3125″	3/8″	3/4″	2-1/2″	**1022010**	29.34	**22.01**	**1021814**	37.94	**28.46**
3/8″	0.375″	3/8″	3/4″	2-1/2″	**1022011**	31.19	**23.39**	**1021815**	32.98	**26.31**
7/16″	0.4375″	3/8″	1″	2-11/16″	**1022025**	38.90	**31.05**	**1021816**	50.47	**37.86**
1/2″	0.5″	1/2″	1-1/4″	3-1/4″	**1022012**	39.31	**29.48**	**1021818**	47.14	**35.35**
5/8″	0.625″	5/8″	1-5/8″	3-3/4″	**1022013**	61.64	**46.23**	**1021821**	70.75	**56.47**
3/4″	0.75″	3/4″	1-5/8″	3-7/8″	**1022015**	88.33	**66.25**	**1021826**	78.70	**62.83**
7/8″	0.875″	3/4″	1-7/8″	4-1/8″	**1021915**	151.65	**113.74**	**1021830**	95.35	**71.51**
1″	1″	3/4″	2″	4-1/8″	**1021916**	169.16	**126.87**	**1021835**	109.53	**87.43**
1-1/8″	1.125″	3/4″	1-1/2″	3-7/8″	-	-	-	**1021863**	149.94	**112.46**
1-1/4″	1.25″	3/4″	1-1/2″	4-1/4″	-	-	-	**1021864**	195.62	**146.72**
1-1/2″	1.5″	3/4″	2″	3-7/8″	-	-	-	**1021866**	226.18	**180.53**
1-3/4″	1.75″	3/4″	1-1/2″	3-7/8″	-	-	-	**1021867**	248.07	**198.02**

4123

HY-PRO SIGMA

NEW!

HY-PRO® SIGMA Spiral Point Taps - List 10280

Ultra-Premium Design for a Wide Range of Materials

- Sharp Cutting Edge for stabilizing chip shape and decreasing cutting resistance
- Superior Durability - Geometry designed to last longer in harder materials



						Steam Oxide			TiCN		
Thread Size	Thread Tolerance Class (TCTR)	Thread Cutting Part Length (THL)	Usable Length (LU)	Overall Length (OAL)	Flute Count (NOF)	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
M4 x 0.7	D4	8.3 mm	21 mm	63 mm	3	**135892B**	48.80	**39.05**	**135920B**	64.26	**51.41**
M5 x 0.8	D4	9.7 mm	24.8 mm	70 mm	3	**135880B**	48.80	**39.05**	**135765B**	64.26	**51.41**
M6 x 1	D5	11.9 mm	29.7 mm	80 mm	3	**135767B**	48.80	**39.05**	**135961B**	64.26	**51.41**
M8 x 1.25	D5	15 mm	34.8 mm	90 mm	3	**135985B**	55.96	**44.77**	**135894B**	80.12	**64.09**
M10 x 1.5	D6	18 mm	38.9 mm	100 mm	3	**135716B**	77.76	**62.20**	**135815B**	101.93	**81.55**
M10 x 1	D5	18 mm	34.8 mm	90 mm	3	**135752B**	77.76	**62.20**	**135875B**	101.93	**81.55**
M12 x 1.25	D5	21 mm	32 mm	100 mm	3	**135772B**	93.27	**74.62**	**135826B**	117.46	**93.97**
#2 - 56	H2	0.437″	0.476″	1.772″	2	**135929B**	65.48	**52.39**	**135713B**	75.00	**60.00**
#4 - 40	H2	0.295″	0.704″	2.205″	2	**135804B**	43.16	**34.52**	**135858B**	49.36	**39.49**
#6 - 32	H3	0.37″	0.783″	2.205″	3	**135831B**	35.88	**28.70**	**135916B**	41.08	**32.86**
#8 - 32	H2	0.374″	0.826″	2.481″	3	**135820B**	35.88	**28.70**	**135834B**	41.08	**32.86**
#8 - 32	H3	0.374″	0.826″	2.481″	3	**135851B**	35.88	**28.70**	**135749B**	41.08	**32.86**
#10 - 32	H2	0.492″	0.976″	2.756″	3	**135725B**	35.88	**28.70**	**135933B**	41.08	**32.86**
#10 - 24	H3	0.492″	0.976″	2.756″	3	**135927B**	35.88	**28.70**	**135819B**	41.08	**32.86**
#10 - 32	H3	0.492″	0.976″	2.756″	3	**135940B**	35.88	**28.70**	**135963B**	41.08	**32.86**
1/2″ - 13	H3	0.921″	1.354″	4.331″	3	**135718B**	75.74	**60.59**	**135946B**	86.69	**69.36**
1/2″ - 13	H5	0.921″	1.354″	4.331″	3	**135914B**	75.74	**60.59**	**135764B**	86.69	**69.36**
1/4″ - 20	H5	0.594″	1.177″	3.15″	3	**135909B**	39.82	**31.85**	**135910B**	45.54	**36.43**
1/4″ - 20	H3	0.594″	1.177″	3.15″	3	**135918B**	39.82	**31.85**	**135773B**	45.54	**36.43**
3/4″ - 10	H3	1.201″	1.7125″	4.921″	3	**135760B**	215.43	**172.34**	**135727B**	246.65	**197.32**
3/8″ - 16	H5	0.752″	1.535″	3.937″	3	**135925B**	50.43	**40.35**	**135775B**	57.69	**46.16**
3/8″ - 16	H3	0.752″	1.535″	3.937″	3	**135943B**	50.43	**40.35**	**135723B**	57.69	**46.16**
5/16″ - 18	H3	0.665″	1.377″	3.543″	3	**135719B**	44.69	**35.76**	**135919B**	51.10	**40.88**
5/16″ - 18	H5	0.665″	1.377″	3.543″	3	**135958B**	44.69	**35.76**	**135936B**	51.10	**40.88**
5/8″ - 11	H3	1.091″	1-9/16″	4.331″	3	**135930B**	137.33	**109.86**	**135983B**	157.22	**125.78**

61420

M.A. FORD

Uniflute® Countersinks - High Speed Steel

High Speed Steel



- Designed for general purpose countersinking, chamfering or deburring
- Self piloting and completely chatterless
- No secondary burrs formed
- Steam homogeneous surface treatment (blackening) to prolong tool life and prevent galling
- M A Ford Series #61

			60 Degrees			82 Degrees			90 Degrees			100 Degrees			120 Degrees		
Cutting Diameter (DC)	Connection Diameter Machine Side (DCONMS)	Overall Length (OAL)	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
1/8″	1/8″	1-1/2″	**0243569**	19.92	**15.93**	**0243571**	19.92	**15.93**	**0243573**	19.92	**15.93**	**0243575**	19.92	**15.93**	**0243577**	19.92	**15.93**
3/16″	3/16″	1-1/2″	**0243579**	20.55	**16.44**	**0243581**	20.55	**16.44**	**0243583**	20.55	**16.44**	**0243585**	20.55	**16.44**	**0243587**	20.55	**16.44**
1/4″	1/4″	2″	**0243589**	21.43	**17.15**	**0243591**	21.43	**17.15**	**0243593**	21.43	**17.15**	**0243595**	21.43	**17.15**	**0243597**	21.43	**17.15**
3/8″	1/4″	2″	**0243599**	24.33	**19.46**	**0243601**	24.33	**19.46**	**0243603**	24.33	**19.46**	**0243605**	24.33	**19.46**	**0243607**	24.33	**19.46**
1/2″	1/4″	2″	**0243609**	29.68	**23.74**	**0243611**	29.68	**23.74**	**0243613**	29.68	**23.74**	**0243615**	29.68	**23.74**	**0243617**	29.68	**23.74**
5/8″	1/4″	2-1/4″	**0243619**	39.62	**31.70**	**0243621**	39.62	**31.70**	**0243623**	39.62	**31.70**	**0243625**	39.62	**31.70**	**0243627**	39.62	**31.70**
3/4″	1/2″	2-3/4″	**0243629**	57.85	**46.28**	**0243631**	57.85	**46.28**	**0243633**	57.85	**46.28**	**0243635**	57.85	**46.28**	**0243637**	57.85	**46.28**
1-1/4″	1/2″	3″	**0243649**	188.48	**150.78**	**0243650**	188.48	**150.78**	0243651	188.48	**150.78**	-	-		-	-	
1″	1/2″	2-3/4″	**0243639**	96.35	**77.08**	**0243641**	96.35	**77.08**	**0243643**	96.35	**77.08**	**0243645**	96.35	**77.08**	**0243647**	96.35	**77.08**
2″	3/4″	3-3/4″	**0243655**	458.12	**366.49**	**0243656**	458.12	**366.49**	0243657	458.12	**366.49**	-	-		-	-	
2-1/2″	3/4″	5″	**0243658**	1221.57	**977.26**	**0243659**	1221.57	**977.26**	0243660	1221.57	**977.26**	-	-		-	-	
1-1/2″	3/4″	3-1/2″	**0243652**	255.18	**204.15**	**0243653**	255.18	**204.15**	0243654	255.18	**204.15**	-	-		-	-	
3″	3/4″	5-1/4″	**0243661**	1424.19	**1139.35**	**0243662**	1424.19	**1139.35**	0243663	1424.19	**1139.35**	-	-		-	-	

717

CGW CAMEL GRINDING WHEELS

Quickie Cut™ Reinforced Cut-Off Wheels

- Extra-thin reinforced Type 1 cut-off wheels for fast, efficient cutting
- Aluminum oxide abrasive designed for cutting Metal, Steel, and Stainless Steel with an Iron-Free formulation to help prevent rust development
- A36-TBF wheels provide fast cutting action and long wheel life
- A60-TB Flex wheels deliver fast cutting performance with added flexibility and extended life
- Sell pack quantities may vary by product



Diameter	Thick-ness	Arbor Hole	Specification	Maximum RPM	Order No.	Regular Price	SALE
4 1/2"	.035"	7/8"	A60-TB Flex	13300	**0983553**	3.70	**2.59**
4 1/2"	.045"	7/8"	A36-TBF	13300	**0982962**	3.72	**2.60**
6"	.040"	7/8"	A60-TB Flex	10200	**0983555**	4.76	**3.33**
6"	.045"	7/8"	A36-TBF	10200	**0982965**	4.73	**3.32**

2414

NORTON SAINT-GOBAIN

Aluminum Oxide Grain Quick Change Abrasive Discs

- Ideal for general purpose deburring and blending on Ferrous and Non-Ferrous Metals
- Designed for use on mild contours and flat surfaces
- Blends light welds, machine marks, and parting lines
- Sell pack quantities may vary by product



Diame-ter	Thickness	Arbor Hole	Grit	Maximum RPM	Order No.	Regular Price	SALE
3"	0.035"	3/8"	46	25,465	**0984904**	8.86	**7.08**
3"	0.035"	3/8"	60	25,465	**0984850**	6.06	**4.55**
3"	1/16"	3/8"	36	25,465	**0984852**	6.01	**4.51**
3"	1/16"	3/8"	46	25,465	**0984905**	9.00	**7.20**
4"	0.035"	3/8"	46	19,100	**0985050**	12.19	**9.76**
4"	0.035"	3/8"	60	19,100	**0984946**	9.37	**7.03**
4"	1/16"	3/8"	36	19,100	**0984948**	8.23	**6.17**
4"	1/16"	3/8"	46	19,100	**0985049**	12.19	**9.76**

1774

NOGA SIMPLY SOPHISTICATED

Hand Deburring Set

- Deburrs Steel, Aluminum, and Plastic
- Includes NogaGrip 2 handle and 10-piece N1 blade set
- Complete hand deburring solution for versatile material applications



Order No.	Regular Price	SALE
0558716	24.70	**18.52**

5825

NOGA SIMPLY SOPHISTICATED

Multi-Function Deburring Kit

- Performs deburring, cleaning, finishing, and countersinking operations
- Includes RB handle, O-ring blade, RD16.5 RotoDrive countersink, and EX18 External RotoDrive countersink
- Includes thread cleaner blade, S100 blade, and S150 blade



Order No.	Regular Price	SALE
0558799	99.93	**74.96**

727

3M

Scotch-Brite™ Roloc™ Surface Conditioning Discs

- Scotch-Brite™ Roloc™ surface conditioning discs feature non-woven web construction for a burr-free decorative finish
- Removes grind marks, rust, and coatings
- Features Roloc™ TR plastic button attachment system



Diameter	Maximum RPM	Grade	Color	Order No.	Regular Price	SALE
1"	30,000	Very Fine	Teal	**1248123**	1.81	**1.54**
1"	30,000	Medium	Maroon	**1248124**	1.81	**1.54**
1-1/2"	30,000	Very Fine	Teal	**1248055**	1.90	**1.62**
1-1/2"	30,000	Medium	Maroon	**1248054**	1.90	**1.62**
1-1/2"	30,000	Coarse	Brown	**1248053**	1.90	**1.62**
2"	25,000	Very Fine	Teal	**1248021**	2.76	**2.34**
2"	25,000	Medium	Maroon	**1248022**	2.76	**2.34**
2"	25,000	Medium	Maroon	**1248323**	2.80	**2.38**
2"	25,000	Coarse	Brown	**1248023**	2.76	**2.34**
3"	18,000	Very Fine	Teal	**1248025**	5.10	**4.33**
3"	18,000	Medium	Maroon	**1248026**	5.10	**4.33**
3"	18,000	Coarse	Brown	**1248027**	5.10	**4.33**
4"	12,000	Coarse	Brown	**1249461**	7.42	**6.31**

60707

Cubitron 3 Cloth Sanding Belts (1184F)

- Precision-shaped ceramic grain delivers consistently fast cut rates and extended abrasive life
- Engineered for aggressive stock removal and weld grinding on Steel and Stainless Steel
- Cool-cutting performance helps reduce heat buildup and workpiece discoloration
- Durable YF-weight cloth backing designed for medium to high-pressure belt applications



Length	Width	Grit	Order No.	Regular Price	SALE
18″	1/2″	36+	**445825A**	9.97	**8.97**
18″	1/2″	36+	**747062A**	7.15	**6.44**
18″	3/4″	36+	**445826A**	10.68	**9.62**
21″	1-3/16″	36+	**101702A**	18.86	**16.97**
44″	1/2″	36+	**528439A**	14.80	**13.31**
60″	2-1/2″	36+	**101701A**	46.72	**42.04**
72″	1″	36+	**9729273**	28.04	**25.24**
107″	8″	36+	**132711A**	222.63	**200.37**
120″	11-3/4″	36+	**698030A**	358.50	**322.64**
132″	3″	36″	**9765855**	98.08	**88.27**
132″	4″	36+	**489791A**	130.76	**117.68**
168″	4″	36+	**741639A**	158.76	**142.88**

61418

Mini Disc Brushes

- Maximum density design with crimped rectangular black ceramic filament for aggressive brushing action
- Designed for deburring, cleaning, and finishing applications
- Provides consistent performance on flat surfaces and hard-to-reach areas



Diameter	Grit	Trim Length	Maximum RPM	Bristle Diameter	Order No.	Regular Price	SALE
2″	80	1 1/4″	4,500	0.035″	**1000452**	341.12	**255.85**
2″	80	1 1/4″	4,500	0.049″	**1000451**	341.12	**255.85**
2″	80	1 1/4″	4,500	0.055″	**1000450**	331.25	**248.44**
2″	120	1 1/4″	4,500	0.026″	**1000511**	331.25	**248.44**
2″	120	1 1/4″	4,500	0.043″	**1000512**	331.25	**248.44**
3″	80	1 1/4″	4,500	0.035″	**1000501**	444.79	**333.59**
3″	80	1 1/4″	4,500	0.049″	**1000502**	444.79	**333.59**
3″	120	1 1/4″	4,500	0.026″	**1000514**	453.67	**340.26**
3″	120	1 1/4″	4,500	0.043″	**1000515**	453.67	**340.26**
3″	120	1 1/4″	4,500	0.055″	**1000516**	453.67	**340.26**

1425

3M Pads for Roloc™ Discs

- Provides secure attachment for 3M Roloc™ discs and bristle products
- Available in various diameters and hardness levels to meet different grinding applications
- Quick and easy disc attachment helps increase productivity
- Compatible with drills, disc sanders, right angle grinders, and rotary sanders



Diameter	Arbor Hole	Maximum RPM	Density	Order No.	Regular Price	SALE
1 1/2″	1/4″-20	30,000	Medium	**1243774**	37.48	**31.85**
2″	1/4″-20	25,000	Medium	**1243770**	39.91	**33.92**
2″	1/4″-20	25,000	Hard	**1243771**	39.91	**33.92**
2″	1/4″-20	25,000	Extra Hard	**1243772**	45.49	**38.67**
3″	1/4″-20	18,000	Medium	**1243767**	48.71	**41.40**
3″	1/4″-20	20,000	Hard	**1243766**	48.71	**41.40**
3″	1/4″-20	20,000	Extra Hard	**1243768**	50.30	**42.76**
4″	3/8″-24	12,000	Hard	**1243311**	54.89	**46.66**
4″	3/8″-24	12,000	Extra Hard	**1243312**	54.91	**46.68**
4″	5/8″-11	12,000	Medium	**1245273**	54.91	**46.68**

61226

Knotted End Brushes

- Knotted wire construction provides aggressive cleaning action for demanding applications
- Designed for removing rust, paint, scale, and weld spatter
- Ideal for surface preparation, weld cleaning, and heavy-duty deburring



Brush Diameter	Bristle Diameter	Trim Length	Maximum RPM	Material	Order No.	Regular Price	SALE
1/2″	0.014″	1 1/8″	20,000	Stainless Steel	**0998217**	55.62	**38.93**
1/2″	0.014″	1 1/8″	20,000	Steel	**0998216**	50.05	**35.04**
3/4″	0.0104″	1 1/8″	22,000	Stainless Steel	**0998211**	74.77	**52.35**
3/4″	0.0104″	1 1/8″	22,000	Steel	**0998210**	55.37	**38.77**
3/4″	0.014″	7/8″	22,000	Stainless Steel	**0998155**	77.48	**54.24**
3/4″	0.014″	7/8″	22,000	Steel	**0998144**	43.15	**30.20**
3/4″	0.020″	7/8″	22,000	Stainless Steel	**0998157**	74.87	**52.42**
3/4″	0.020″	7/8″	22,000	Steel	**0998146**	42.73	**29.90**
1 1/8″	0.0104″	1 1/8″	20,000	Stainless Steel	**0998213**	79.25	**55.48**
1 1/8″	0.0104″	1 1/8″	20,000	Steel	**0998212**	65.45	**45.82**
1 1/8″	0.014″	7/8″	22,000	Steel	**0998149**	47.12	**32.98**
1 1/8″	0.014″	7/8″	22,000	Stainless Steel	**0998158**	96.80	**67.76**
1 1/8″	0.020″	7/8″	22,000	Stainless Steel	**0998160**	86.72	**60.70**
1 1/8″	0.020″	7/8″	22,000	Steel	**0998152**	46.41	**32.49**

1439

Cubitron 3 Flap Disc (1169F)

- Delivers long-lasting premium performance and versatility
- Proven to outperform traditional alumina zirconia flap discs
- Individual flaps break down, exposing fresh mineral to deliver consistent cut rate for the life of the disc
- Covers a wide range of applications from weld grinding and beveling to surface prep, deburring, blending, finishing, weld spatter removal, and work on edges and contours



Type 27

Diameter	Arbor Hole	Grit	Maximum RPM	Order No.	Regular Price	SALE
4-1/2"	5/8"-11	40+	13,300	**868261A**	13.03	**11.07**
4-1/2"	5/8"-11	60+	13,300	**868272A**	13.03	**11.07**
4-1/2"	5/8"-11	80+	13,300	**868278A**	13.03	**11.07**
4-1/2"	7/8"	40+	13,300	**868259A**	11.59	**9.86**
4-1/2"	7/8"	60+	13,300	**868266A**	11.59	**9.86**
4-1/2"	7/8"	80+	13,300	**868276A**	11.59	**9.86**
5"	7/8"	40+	12,000	**868263A**	14.00	**11.90**
5"	7/8"	60+	12,000	**868275A**	14.00	**11.90**
5"	7/8"	80+	12,000	**868281A**	14.00	**11.90**
6"	5/8"-11	40+	10,000	**868283A**	25.65	**21.80**
6"	5/8"-11	60+	10,000	**868284A**	25.65	**21.80**
6"	5/8"-11	80+	10,000	**868285A**	25.65	**21.80**
7"	5/8"-11	40+	8,600	**868268A**	28.52	**24.23**
7"	7/8"	40+	8,600	**868267A**	23.48	**19.95**

Type 29

Diameter	Arbor Hole	Grit	Maximum RPM	Order No.	Regular Price	SALE
4-1/2"	5/8"-11	40+	13,300	**868262A**	13.03	**11.07**
4-1/2"	5/8"-11	60+	13,300	**868273A**	13.03	**11.07**
4-1/2"	5/8"-11	80+	13,300	**868279A**	13.03	**11.07**
4-1/2"	7/8"	40+	13,300	**868260A**	11.59	**9.86**
4-1/2"	7/8"	60+	13,300	**868271A**	11.59	**9.86**
4-1/2"	7/8"	80+	13,300	**868277A**	11.59	**9.86**
5"	5/8"-11	40+	12,000	**868265A**	16.66	**14.17**
5"	7/8"	40+	12,000	**868264A**	14.00	**11.90**
5"	7/8"	60+	12,000	**868274A**	14.00	**11.90**
5"	7/8"	80+	12,000	**868280A**	14.00	**11.90**
7"	5/8"-11	40+	8,600	**868270A**	28.52	**24.23**
7"	5/8"-11	80+	8,600	**868282A**	28.52	**24.23**
7"	7/8"	40+	8,600	**868269A**	23.48	**19.95**

61227

Abrasive Hand Pads

- Excellent for hand finishing and cleaning applications on wood, metals, and composite materials
- Ideal for wood finishing, paint preparation, and general cleaning tasks
- Flexible construction conforms to contours and hard-to-reach areas
- Sell pack quantities may vary by product



Width	Length	Abrasive Material	Order No.	Regular Price	SALE
6"	9"	Non Woven Abrasive	**1248605**	2.81	**2.53**
6"	9"	Aluminum Oxide	**1248766**	275.86	**248.28**
6"	9"	Non Woven Abrasive	**1248975**	5.10	**4.59**
6"	9"	Aluminum Oxide	**1248973**	7.57	**6.82**
6"	9"	Aluminum Oxide	**1248606**	2.81	**2.53**

2409

BobCat® Quick Change Zirconia Flap Discs

- Zirconia abrasive provides aggressive stock removal and long-lasting performance
- Ideal for grinding, deburring, and blending Steel and Stainless Steel in metal fabrication applications
- Quick change design allows fast disc changes for increased productivity
- Available in angled style for maximum contact and flat style for smoother grinding and enhanced conformability



2"

Wheel Type	Grit	Maximum RPM	S Order No.	S Regular Price	S SALE	R Order No.	R Regular Price	R SALE
Type 27	36	30,000	**0999488**	10.40	**7.80**	**0999503**	10.40	**7.80**
Type 27	40	30,000	**0999489**	10.40	**7.80**	**0999504**	10.40	**7.80**
Type 27	60	30,000	**0999490**	10.40	**7.80**	**0999505**	10.40	**7.80**
Type 27	80	30,000	**0999491**	10.40	**7.80**	**0999506**	10.40	**7.80**
Type 27	120	30,000	**0999492**	10.40	**7.80**	**0999507**	10.40	**7.80**
Type 29	36	30,000	-	-	-	**0999493**	10.40	**7.80**
Type 29	40	30,000	**0999484**	10.40	**7.80**	**0999494**	10.40	**7.80**
Type 29	60	30,000	**0999485**	10.40	**7.80**	**0999495**	10.40	**7.80**
Type 29	80	30,000	**0999486**	10.40	**7.80**	**0999496**	10.40	**7.80**
Type 29	120	30,000	-	-	-	**0999497**	10.40	**7.80**

3"

Wheel Type	Grit	Maximum RPM	S Order No.	S Regular Price	S SALE	R Order No.	R Regular Price	R SALE
Type 27	36	20,000	**0999478**	13.44	**10.08**	**0999508**	13.44	**10.08**
Type 27	40	20,000	**0999479**	13.44	**10.08**	**0999509**	13.44	**10.08**
Type 27	60	20,000	**0999480**	13.44	**10.08**	**0999510**	13.44	**10.08**
Type 27	80	20,000	**0999481**	13.44	**10.08**	**0999511**	13.44	**10.08**
Type 27	120	20,000	**0999482**	13.44	**10.08**	**0999512**	13.44	**10.08**
Type 29	36	20,000	**0999498**	13.44	**10.08**	**0999473**	13.44	**10.08**
Type 29	40	20,000	**0999499**	13.44	**10.08**	**0999474**	13.44	**10.08**
Type 29	60	20,000	**0999475**	13.44	**10.08**	-	-	-
Type 29	60	20,000	**0999500**	13.44	**10.08**	-	-	-
Type 29	80	20,000	**0999476**	13.44	**10.08**	-	-	-
Type 29	80	20,000	**0999501**	13.44	**10.08**	-	-	-

471

Tiger X Flap Discs

- Ceramic and zirconia alumina grain blend delivers fast grinding and long life on flat surfaces
- Contaminant-free construction helps prevent contamination when working on Stainless Steel
- Phenolic backing provides durability for demanding metalworking applications
- Designed for Steel and Stainless Steel grinding applications



Diameter	Arbor Hole	Grit	Maximum RPM	Flat Order No.	Flat Regular Price	Flat SALE	Angled Order No.	Angled Regular Price	Angled SALE
4-1/2"	5/8"-11	40	13,000	**0999603**	22.05	**16.53**	-	-	-
4-1/2"	5/8"-11	60	13,000	-	-	-	**0999582**	22.05	**16.53**
4-1/2"	5/8"-11	80	13,000	**0999605**	22.05	**16.53**	**0999584**	22.05	**16.53**
4-1/2"	7/8"	36	13,000	-	-	-	**0999573**	19.15	**13.41**
4-1/2"	7/8"	40	13,000	**0999600**	19.15	**13.41**	**0999574**	19.15	**13.41**
4-1/2"	7/8"	60	13,000	**0999601**	19.15	**13.41**	**0999576**	19.15	**13.41**
4-1/2"	7/8"	80	13,000	**0999602**	19.15	**13.41**	**0999578**	19.15	**13.41**

61433

NORTON
SAINT-GOBAIN

Ceramic Flap Discs (R980)

- Next-generation Blaze ceramic grain delivers noticeably faster cut rates
- Improved Y-weight polyester cloth and premium resin system provide longer disc life with better grain retention
- Enhanced edge fray resistance helps reduce grinding costs
- Durable polyester backing stands up to demanding metalworking applications



Type 27

Diameter	Arbor Hole	Grit	Maximum RPM	Order No.	Regular Price	SALE
4-1/2"	5/8"-11	40	13,300	**0989952**	27.04	**20.17**
4-1/2"	5/8"-11	60	13,300	**0989953**	27.04	**20.17**
4-1/2"	5/8"-11	80	13,300	**0989954**	27.04	**20.17**
4-1/2"	5/8"-11	120	13,300	**0989955**	27.04	**20.17**
4-1/2"	7/8"	40	13,300	**0989948**	21.93	**16.36**
4-1/2"	7/8"	60	13,300	**0989942**	22.62	**18.00**
4-1/2"	7/8"	60	13,300	**0989949**	21.93	**16.36**
4-1/2"	7/8"	80	13,300	**0989950**	21.93	**16.36**
4-1/2"	7/8"	120	13,300	**0989951**	21.93	**16.36**

Type 29

Diameter	Arbor Hole	Grit	Maximum RPM	Order No.	Regular Price	SALE
4-1/2"	5/8"-11	36	13,300	**0990031**	27.04	**20.17**
4-1/2"	5/8"-11	40	13,300	**0990032**	27.04	**20.17**
4-1/2"	5/8"-11	60	13,300	**0990033**	27.04	**20.17**
4-1/2"	5/8"-11	80	13,300	**0990034**	27.04	**20.17**
4-1/2"	7/8"	36	13,300	**0990028**	21.93	**16.36**
4-1/2"	7/8"	40	13,300	**0990029**	21.93	**16.36**
4-1/2"	7/8"	60	13,300	**0990030**	21.93	**16.36**
4-1/2"	7/8"	80	13,300	**0990035**	21.93	**16.36**

1744

CGW
CAMEL GRINDING WHEELS

Coated Abrasive Mounted Flap Wheels

- Aluminum oxide abrasive with resin bond cloth construction provides consistent cutting performance
- Mounted on hardened 1/4" steel shanks for secure operation with die grinders
- Designed for finishing, blending, and deburring applications
- Ideal for working on contoured surfaces and hard-to-reach areas
- Sell pack quantities may vary by product



Diameter	Face Width	Grit	Maximum RPM	Order No.	Regular Price	SALE
1"	1"	60	30,000	**0984600**	8.08	**5.25**
1"	1"	80	30,000	**0984601**	8.08	**5.25**
1"	1"	120	30,000	**0984595**	8.08	**5.25**
1-1/2"	1"	60	25,000	**0984617**	10.02	**6.51**
1-1/2"	1"	80	25,000	**0984618**	10.02	**6.51**
1-1/2"	1"	120	25,000	**0984612**	10.02	**6.51**
2"	1"	60	25,000	**0984635**	11.79	**7.66**
2"	1"	80	25,000	**0984636**	11.79	**7.66**
2"	1"	120	25,000	**0984630**	11.86	**7.71**
2-1/2"	1"	60	20,000	**0984654**	16.34	**10.63**
2-1/2"	1"	80	20,000	**0984655**	16.34	**10.63**
2-1/2"	1"	120	20,000	**0984651**	16.72	**10.86**
3"	1"	60	20,000	**0984676**	18.23	**11.84**
3"	1"	80	20,000	**0984677**	18.23	**11.84**
3"	1"	120	20,000	**0984671**	19.24	**12.50**

61434

NORTON
SAINT-GOBAIN

Portable Sander Belts

Blaze Belts

- Blaze ceramic grain belts last 50% to 200% longer on Mild Steel, Carbon Steel, Stainless Steel, Cobalt, Chrome, Inconel, and Titanium applications
- Cuts cooler and up to 30% faster than previous generation belts
- Improved Y-weight polyester cloth backing provides better grain adhesion and edge fray resistance
- Delivers a more consistent grind throughout extended belt life
- Reduces total grinding costs through longer belt life and improved performance



Width	Length	Grit	Order No.	Regular Price	SALE
1/2"	12"	40	**0987702**	6.64	**4.95**
1/2"	12"	60	**0987703**	6.35	**4.74**
1/2"	12"	80	**0987704**	6.10	**4.54**
1/2"	18"	40	**0987705**	7.06	**5.26**
1/2"	18"	60	**0987706**	6.71	**5.01**
1/2"	24"	40	**0987708**	7.77	**5.80**
1/2"	24"	60	**0987709**	7.24	**5.39**
1/2"	24"	80	**0987710**	6.71	**5.01**
3/4"	18"	40	**0987711**	7.92	**5.92**
3/4"	18"	60	**0987712**	7.39	**5.51**
3/4"	18"	80	**0987713**	6.95	**5.19**
3/4"	20-1/2"	40	**0987714**	8.06	**6.02**
3/4"	20-1/2"	60	**0987715**	7.77	**5.80**
3/4"	20-1/2"	80	**0987716**	7.31	**5.45**

459

3M

Cubitron 2 Roloc Durable Edge Disc (R84F)

- Featuring durable edge backing - for longer edge retention
- The 984F disc series extends disc life via precision-shaped ceramic grains
- Quick change discs
- Features a flexible, durable cloth backing that stands up to aggressive grinding applications
- Optimized for: Stainless Steel, High Nickel Alloys, Superalloys, and Carbon Steel



			Attachment Type - TSM			Attachment Type - TR		
Diameter	Grit	Maximum RPM	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
1-1/2"	36+	30,000	**1243016**	2.04	**1.74**	**1243012**	2.04	**1.74**
1-1/2"	60+	30,000	**1243024**	1.89	**1.61**	**1243020**	1.89	**1.61**
1-1/2"	80+	30,000	**1243032**	1.89	**1.61**	**1243028**	1.89	**1.61**
2"	36+	25,000	**1243017**	3.11	**2.65**	**1243013**	3.11	**2.65**
2"	60+	25,000	**1243025**	2.81	**2.39**	**1243021**	2.81	**2.39**
2"	80+	25,000	**1243033**	2.73	**2.32**	**1243029**	2.73	**2.32**
3"	36+	20,000	**1243018**	4.05	**3.44**	**1243014**	4.05	**3.44**
3"	60+	20,000	**1243026**	3.61	**3.07**	**1243022**	3.61	**3.07**
3"	80+	20,000	**1243034**	3.61	**3.07**	**1243030**	3.61	**3.07**
4"	36+	12,000	**1243019**	5.84	**4.96**	**1243015**	5.84	**4.96**
4"	60+	12,000	**1243027**	5.28	**4.48**	**1243023**	5.28	**4.48**
4"	80+	12,000	**1243035**	5.04	**4.28**	**1243031**	5.15	**4.38**

5902

CGW CAMEL GRINDING WHEELS

Resin Fiber Discs

- Premium aluminum oxide grain delivers long life, high stock removal, and cool cutting action on metal and weld applications
- Zirconia alumina grain provides twice the cutting action of premium aluminum oxide discs
- High concentration zirconia and heat-treated aluminum oxide grain offers exceptional heat resistance for demanding grinding applications



			Zirconia Alumina			Aluminum Oxide		
Diameter	Grit	Arbor Hole	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
4-1/2″	36	7/8″	**0983654**	2.10	**1.47**	**0983618**	1.43	**0.99**
4-1/2″	50	7/8″	**0983656**	1.96	**1.37**	**0983620**	1.34	**0.94**
4-1/2″	60	7/8″	**0983657**	1.74	**1.22**	**0983621**	1.27	**0.90**
4-1/2″	80	7/8″	**0983658**	1.71	**1.19**	**0983622**	1.25	**0.87**
4-1/2″	100	7/8″	-	-	-	**0983623**	1.25	**0.87**
4-1/2″	120	7/8″	-	-	-	**0983624**	1.25	**0.87**
5″	16	7/8″	-	-	-	**0983625**	2.06	**1.44**
5″	24	7/8″	**0983659**	2.31	**1.62**	**0983626**	1.64	**1.15**
5″	36	7/8″	**0983660**	2.17	**1.53**	**0983627**	1.57	**1.09**
5″	50	7/8″	**0983662**	2.06	**1.44**	**0983629**	1.50	**1.05**
5″	60	7/8″	**0983663**	1.81	**1.26**	**0983630**	1.34	**0.94**
5″	80	7/8″	**0983664**	1.78	**1.25**	**0983631**	1.32	**0.92**

962

NORTON SAINT-GOBAIN

RazorStar Quick-Change Discs

- 100% engineered shaped grain cuts through metal with exceptional speed for demanding grinding applications
- Designed for medium to high pressure metal removal, including stock removal, weld blending, beveling, and deburring
- Razor-sharp grain combined with supersized grinding aid reduces heat generation for cooler cuts and longer disc life
- Strong polyester backing withstands extreme pressure in tough grinding applications



				TR|Type III			TS|Type II		
Diameter	Grit	Maximum RPM	Ply	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
2″	36	30,000	2	**109553A**	5.89	**4.68**	**109554A**	5.89	**4.68**
2″	36	30,000	3	**9718938**	5.50	**4.40**	**9718942**	5.50	**4.40**
3″	36	20,000	2	**109555A**	7.18	**5.71**	**109552A**	7.18	**5.71**
3″	36	20,000	3	**9718944**	6.71	**5.36**	**9718947**	6.71	**5.36**

60711

3M

Cubitron 3 Fiber Disc (1182C)

- Re-engineered Precision-Shaped Grain delivers faster cutting performance and longer disc life
- Stiff fiber backing and strong resin bond provide durability and tear resistance for heavy grinding applications
- Designed for medium to high pressure grinding, weld removal, beveling, and deburring applications



Center Hole

Diameter	Arbor Hole	Grit	Maximum RPM	Order No.	Regular Price	SALE
4″	5/8″	36+	15,000	**9647641**	8.99	**7.64**
4″	7/8″	36+	15,000	**9647645**	8.99	**7.64**
4-1/2″	7/8″	36+	13,300	**9647646**	10.68	**9.09**
4-1/2″	7/8″	60+	13,300	**525033A**	8.86	**7.53**
4-1/2″	7/8″	80+	13,300	**599867A**	8.33	**7.08**
5″	7/8″	36+	12,000	**9647643**	10.68	**9.09**
5″	7/8″	60+	12,000	**525031A**	8.86	**7.53**
5″	7/8″	80+	12,000	**525034A**	8.33	**7.08**
6″	7/8″	36+	10,000	**9647647**	11.45	**9.73**
6″	7/8″	60+	10,000	**599858A**	9.44	**8.02**
7″	7/8″	36+	8,600	**9647648**	12.31	**10.46**
7″	7/8″	60+	8,600	**525030A**	10.21	**8.68**
7″	7/8″	80+	8,600	**525029A**	8.81	**7.49**
9-1/8″	7/8″	36+	6,600	**9647660**	16.32	**13.87**
9-1/8″	7/8″	60+	6,600	**599872A**	13.66	**11.62**
9-1/8″	7/8″	80+	6,600	**599865A**	12.81	**10.89**

TN

Diameter	Arbor Hole	Grit	Maximum RPM	Order No.	Regular Price	SALE
4-1/2″	7/8″	36+	13,300	**9647650**	11.38	**9.67**
4-1/2″	5/8″-11	80+	13,300	**599905A**	8.88	**7.55**
4-1/2″	5/8″-11	60+	13,300	**599919A**	9.49	**8.06**
5″	5/8″-11	60+	12,000	**599870A**	9.49	**8.06**
5″	5/8″-11	80+	12,000	**599871A**	8.88	**7.55**
5″	7/8″	36+	12,000	**9647651**	11.38	**9.67**
7″	7/8″	36+	8,600	**9647652**	13.13	**11.16**
7″	5/8″-11	60+	8,600	**599891A**	10.91	**9.27**
7″	5/8″-11	80+	8,600	**599925A**	10.29	**8.75**

GL

Diameter	Arbor Hole	Grit	Maximum RPM	Order No.	Regular Price	SALE
4-1/2″	7/8″	36+	13,300	**9647653**	10.28	**8.74**
5″	7/8″	36+	12,000	**9647658**	11.38	**9.67**
5″	5/8″-11	60+	12,000	**599866A**	9.49	**8.06**
5″	5/8″-11	80+	12,000	**599903A**	8.88	**7.55**
7″	7/8″	36+	8,600	**9647644**	13.13	**11.16**
7″	5/8″-11	60+	8,600	**599908A**	10.91	**9.27**
7″	5/8″-11	80+	8,600	**599922A**	10.29	**8.75**

60720

NORTON
SAINT-GOBAIN

RazorStar Fiber Discs

- 100% engineered shaped grain delivers exceptional cutting performance in demanding grinding applications
- Heavy fiber backing provides added strength and tear resistance for high-pressure grinding
- Razor-sharp grain combined with supersized grinding aid reduces heat generation for cooler cuts and longer disc life
- Optimized for metal removal applications on Carbon Steel, Aluminum, Stainless Steel, and hard-to-grind materials



TR|Type III

Diameter	Grit	Maximum RPM	Order No.	Regular Price	SALE
2″	36	30,000	**109564A**	7.64	**6.08**
3″	36	20,000	**109565A**	9.14	**7.27**

Arbor Hole

Diameter	Grit	Maximum RPM	Order No.	Regular Price	SALE
4-1/2″	36	11,000	**109556A**	13.77	**10.95**
5″	36	10,000	**109557A**	13.77	**10.95**
7″	36	8,600	**109558A**	15.88	**12.64**

Speed-Lok Fastener

Diameter	Grit	Maximum RPM	Order No.	Regular Price	SALE
4-1/2″	36	13,000	**109566A**	21.72	**17.28**
5″	36	13,000	**109567A**	22.37	**17.79**
7″	36	8,600	**109568A**	25.75	**20.49**

Speed-Change Fastener

Diameter	Grit	Maximum RPM	Order No.	Regular Price	SALE
4-1/2″	36	20,000	**109560A**	14.67	**11.67**
5″	36	12,000	**109561A**	14.67	**11.67**
7″	36	8,600	**109562A**	16.91	**13.45**

TN

Diameter	Grit	Maximum RPM	Order No.	Regular Price	SALE
6″	36	8,600	**109563A**	14.83	**11.80**
9-1/8″	36	6,600	**109559A**	21.05	**16.75**

60712

VSM
WE KNOW ABRASIVES

Ceramic Resin Fiber Discs

- Extremely high stock removal from self-sharpening ceramic grain
- Cool grinding and extended life with Top Size grinding-active layer
- High wear resistance and strong form stability
- Aggressive cut and very long lifetime on Stainless Steel and Superalloys
- Suitable for Unalloyed Steel, Stainless Steel, Superalloys, Non-Ferrous Metals, and Aluminum



Diameter - 4-1/2″

Arbor Hole	Grit	Maximum RPM	Order No.	Regular Price	SALE
7/8″	24	13,000	**1693074**	5.77	**4.90**
7/8″	36	13,000	**1693075**	5.15	**4.38**
7/8″	50	13,000	**1693076**	5.15	**4.38**
7/8″	60	13,000	**1693077**	5.15	**4.38**
7/8″	100	13,000	**1693072**	3.58	**3.05**
7/8″	120	13,000	**1693073**	3.58	**3.05**

Diameter - 7″

Arbor Hole	Grit	Maximum RPM	Order No.	Regular Price	SALE
7/8″	24	8,000	**1693089**	11.45	**9.73**
7/8″	36	8,600	**1316244**	11.09	**9.42**
7/8″	50	8,000	**1316245**	10.30	**8.76**
7/8″	60	8,000	**1693091**	10.30	**8.76**
7/8″	100	8,000	**1693087**	6.86	**5.84**
7/8″	120	8,000	**1693088**	6.86	**5.84**

3505

CGW
CAMEL GRINDING WHEELS

Extreme Series Flap Discs

- Layered abrasive flap construction on rigid backing
- Zirconia alumina and aluminum oxide grain options
- Angle grinder compatible
- Used for grinding, weld blending, and finishing



Diameter	Arbor Hole	Grit	Maximum RPM	Order No.	Regular Price	SALE
4-1/2″	7/8″	40	13,300	**9718827**	14.67	**11.00**
4-1/2″	7/8″	40	13,300	**9718820**	11.76	**8.82**
4-1/2″	7/8″	60	13,300	**9718821**	11.76	**8.82**
4-1/2″	7/8″	60	13,300	**9718828**	14.67	**11.00**
4-1/2″	7/8″	80	13,300	**9718822**	11.76	**8.82**
4-1/2″	7/8″	80	13,300	**9718829**	14.67	**11.00**
4-1/2″	5/8″-11	40	13,300	**9718837**	15.46	**11.59**
4-1/2″	5/8″-11	40	13,300	**9718844**	18.37	**13.78**
4-1/2″	5/8″-11	60	13,300	**9718838**	15.46	**11.59**
4-1/2″	5/8″-11	60	13,300	**9718845**	18.37	**13.78**
4-1/2″	5/8″-11	80	13,300	**9718835**	15.46	**11.59**
4-1/2″	5/8″-11	80	13,300	**9718839**	15.46	**11.59**

61426

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 Screw-drivers Magnetic Bit Driver with 38 Bits Bit Adapter 12 Nutdriver Bits	CTK150	**1294952**	304.64	**213.25**

799

APEX

Torx® Bits



Tip Size	Drive Size	Overall Length	Model No	Order No.	Regular Price	SALE
T6	1/4"	1"	440-TX-06X	**0912395**	8.42	**7.54**
T7	1/4"	1"	440-TX-07X	**0912396**	8.42	**7.54**
T8	1/4"	1"	440-TX-08X	**0912397**	8.42	**7.54**
T9	1/4"	1"	440-TX-09X	**0912398**	8.42	**7.54**
T10	1/4"	1"	440-TX-10X	**0912399**	7.09	**6.35**
T15	1/4"	1"	440-TX-15X	**0912400**	7.09	**6.35**
T20	1/4"	1"	440-TX-20X	**0912401**	7.18	**6.42**
T25	1/4"	1"	440-TX-25X	**0912402**	7.18	**6.42**
T27	1/4"	1"	440-TX-27X	**0912403**	7.18	**6.42**
T30	1/4"	1"	440-TX-30X	**0912404**	7.18	**6.42**
T40	1/4"	1"	440-TX-40X	**0912405**	7.18	**6.42**
T27	5/16"	1 1/4"	480-TX-27X	**0912409**	9.38	**8.39**
T30	5/16"	1 1/4"	480-TX-30X	**0912410**	9.29	**8.31**
T40	5/16"	1 1/4"	480-TX-40X	**0912411**	9.29	**8.31**
T45	1/4"	1 1/4"	440-TX-45X	**0912406**	11.61	**10.40**
T45	5/16"	1 1/4"	480-TX-45X	**0912412**	10.49	**9.39**
T50	1/4"	1 1/4"	440-TX-50X	**0912407**	12.70	**11.37**
T50	5/16"	1 1/4"	480-TX-50X	**0912413**	10.49	**9.39**
T55	5/16"	1 1/4"	480-TX-55X	**0912414**	11.86	**10.62**

3448

CRESCENT 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

	Smooth			Bastard		
Overall Length	Order No.	Regular Price	SALE	Order No.	Regular Price	SALE
4"	**0562015**	19.26	**14.45**	**0562014**	13.02	**9.77**
4"	**0561992**	36.50	**27.37**	**0561990**	34.78	**26.08**
6"	**0562018**	19.81	**14.85**	**0562016**	12.87	**9.65**
6"	**0561995**	49.00	**36.75**	**0561993**	39.76	**29.82**
8"	**0562022**	23.31	**17.49**	**0562019**	15.46	**11.59**
8"	**0561998**	53.31	**39.98**	**0561996**	47.38	**35.53**
10"	**0562026**	27.51	**20.64**	-	-	
10"	**0562001**	63.81	**47.87**	**0561999**	55.96	**41.97**
10"	-	-	-	**0562023**	20.09	**15.06**
12"	**0562029**	38.72	**29.05**	**0562027**	32.76	**24.57**
14"	**0562031**	54.22	**40.67**	**0562030**	43.48	**32.62**

1324

CRESCENT®

Adjustable Wrenches

- Wider knurl for easier adjustment
- Laser etched size scale on each wrench
- Wide capacity jaw
- Handle provides more comfort and less stress to the hand



Overall Length	Jaw Capacity	Order No.	Regular Price	SALE
4″	1/2″	**0911434**	30.67	**24.54**
6″	15/16″	**0911438**	32.87	**26.29**
8″	1 1/8″	**0911445**	37.25	**29.81**
10″	1 5/16″	**0911419**	48.22	**38.57**
12″	1 1/2″	**0911423**	54.80	**43.83**

17031

APEX

Phillip Bits Power Drive - 1/4" Drive

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



Tip Size	Drive Size	Overall Length	Model No	Order No.	Regular Price	SALE
#0	1/4″	1 15/16″	4910X	**0912377**	5.15	**4.62**
#0	1/4″	2 3/4″	4910-AX	**0912376**	6.20	**5.56**
#1	1/4″	1 15/16″	491X	**0912381**	4.58	**4.10**
#1	1/4″	2 3/4″	491-AX	**0912378**	5.15	**4.62**
#1	1/4″	3 1/2″	491-BX	**0912379**	6.61	**5.92**
#1	1/4″	6″	491-CX	**0912380**	8.10	**7.26**
#2	1/4″	1 15/16″	492X	**0912389**	3.21	**2.88**
#2	1/4″	2 3/4″	492-AX	**0912384**	4.48	**4.01**
#2	1/4″	3 1/2″	492-BX	**0912387**	5.24	**4.69**
#2	1/4″	6″	492-CX	**0912388**	10.23	**9.16**
#3	1/4″	1 15/16″	493X	**0912393**	3.52	**3.16**
#3	1/4″	2 3/4″	493-AX	**0912391**	4.54	**4.07**
#3	1/4″	3 1/2″	493-BX	**0912392**	5.32	**4.77**

786

CRESCENT Wiss

Metalmaster® Compound Action Snips

- M-1R - cuts left from tight curves to straight, and has red vinyl grips
- M-2R - cuts right from tight curves to straight, and has green vinyl grips
- M-3R - cuts straight, and has yellow vinyl grips
- The recommended maximum cutting capacity is 18 gauge (.049) in low carbon cold rolled steel



ManufacturerNo	Order No.	Regular Price	SALE
M1R	**0915069**	43.02	**34.41**
M2R	**0915075**	43.02	**34.41**
M3R	**0915078**	43.02	**34.41**

44927

CRESCENT Wiss

Easy Snip Utility Shears

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



Overall Length	Order No.	Regular Price	SALE
8 1/2″	**0915106**	33.47	**26.78**
10 1/2″	**0915178**	95.66	**76.52**

11672

GEARWRENCH

Dead Blow Hammer with Polyurethane Head

- Polyurethane Head is Resistant to Cuts, Splits, Abrasions and Extreme Cold Temperatures
- Steel Shot Filled Head Creates Dead Blow Effect Reducing Rebound from the Striking Surface
- Steel Handle Welded to Head Assembly for Strength and Durability



Head Material	Head Weight	Handle Material	Order No.	Regular Price	SALE
Polyurethane	24 oz	Rubber	**0905572**	75.91	**60.73**

61347

Heavy Duty Right Angle Die Grinder

- Lockoff lever throttle
- Comfort Grip
- Aluminum Housing
- Recommended hose size: 3/8" (10mm)



Type of Power	Air Inlet Size	Maximum RPM	Average Air Consumption	Order No.	Regular Price	SALE
Air	1/4" NPT	20,000	35 cfm	**1461848**	346.08	**242.26**

61279

Air Powered Pencil Grinder with 1/8" Collet

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



Maximum RPM	Order No.	Regular Price	SALE
60,000	**1097065**	375.14	**300.12**

1191

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

Air Inlet Size	Disc Diameter	Maximum RPM	Order No.	Regular Price	SALE
1/4" NPT	5"	12,000	**1096853**	351.40	**316.26**

1172

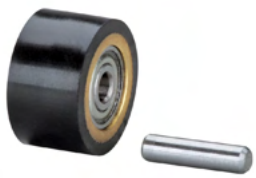
Dynafile® II Contact Arms



Belt Width	Belt Length	Wheel Width	Wheel Diameter	Order No.	Regular Price	SALE
1/2"	18"	3/8"	1/4"	**1096355**	190.90	**171.81**
1/2"	18"	3/8"	5/8"	**1096324**	103.08	**92.78**
1/8", 1/4" or 1/2"	18"	3/8"	1"	**1096325**	103.75	**93.38**
5/8" or 3/4"	18"	5/8"	3/4"	**1096326**	118.79	**106.92**

7370

Contact Wheels For Dynafile® and Dynafile II® Contact Arms



Wheel Width	Wheel Diameter	Material	For Use With	Order No.	Regular Price	SALE
1/8"	5/8"	Rubber	11216	**1096311**	46.06	**41.45**
3/8"	1/4"	Steel	11300	**1096363**	99.48	**89.53**
3/8"	5/16"	Steel	11213	**1096308**	64.51	**58.06**
3/8"	5/8"	Rubber	11218, 11203, 11304	**1096312**	51.24	**46.12**
3/8"	1"	Radiused Rubber	11219, 11204	**1096313**	51.09	**45.98**
3/8"	1"	Tapered Urethane	11232	**1096316**	85.65	**77.08**
5/8"	3/4"	Rubber	11206	**1096350**	59.40	**53.47**

7361

DEWALT Impact Wrench

- Compact & lightweight design - only ~5.7" front-to-back and ~3.4 lbs for easy use in tight spaces
- Powerful fastening performance - delivers up to 1,800 in-lbs of torque for automotive and jobsite tasks
- High-speed efficiency - up to 2,300 RPM and 2



Handle Type	Maximum RPM	Order No.	Regular Price	SALE
Anti-Slip	0-2,300	**1088953**	299.82	**269.84**

61304

M18 FUEL™ Braking Grinder



- POWERSTATE™ Brushless Motor: Purposely built for the M18 FUEL™ 4-1/2" / 5" Braking Grinder with ONE-KEY™ delivers 8,500 RPM to provide the power to complete the toughest grinding and cutting applications.
- REDLINK PLUS Intelligence: Most advanced system of electronics in the industry, enabling communication between batteries and tools, allowing for unmatched levels of performance, protection, and compatibility.
- REDLITHIUM™ HIGH OUTPUT™ Battery Pack (Not Included): Provides 50% more power and runs 50% cooler versus standard REDLITHIUM™ Battery. Superior pack construction, electronics and performance deliver more work per charge and more work over pack lifespan than any battery on the market.
- Includes a RAPIDSTOP™ Brake, to quickly stop accessories and Enhance Safety
- Optimized geometry to prevent rounding
- Tool-Free Guard Adjustment for faster guard installations and adjustments

Disc Diameter	Maximum RPM	Battery and Charger	Spindle Size	Order No.	Regular Price	SALE
5"	8,500	No	5/8"-11	**7436632**	624.96	**531.22**

61244

M18 FUEL™ 1/2" High Torque Impact Wrench with Friction Ring



- The MILWAUKEE M18 FUEL 1/2" High Torque Impact Wrench w/ Friction Ring is the most power-dense impact wrench in its class, provides greater access in tight spaces, and maximizes productivity through faster removal speeds.
- The POWERSTATE Brushless Motor delivers up to 1,200 ft-lbs of Fastening Torque and 1,600 ft-lbs of Nut-Busting Torque when paired with the M18 REDLITHIUM FORGE Batteries, while the compact size at 7.6" in length gives users greater access in tight spaces.

Drive	Torque	Order No.	Regular Price	SALE
1/2"	1,200 feet/lbs	**8993277**	669.76	**569.30**

61245

M12 FUEL™ 1/4" Hex 2-Speed Screwdriver



- POWERSTATE™ Brushless motor: delivers up to 325 in. lbs of torque with maximum sustained torque to complete a variety of applications

- REDLINK Plus™ Intelligence: The most advanced system of cordless power tool electronics. provides optimized performance and overload protection using total system communication between tool, battery and charger

- REDLITHIUM™ Battery Technology: Superior performance delivers more work per charge and more work over pack life than any battery on the market

- 5-Year tool warranty

Chuck Size	Torque	Order No.	Regular Price	SALE
1/4" Hex	350 inch/lbs	**1089927**	350.90	**298.26**

61246

Mill Files

- 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
- 2nd cut file, a medium file designed for moderate stock removal
- Bastard file, a coarse file designed for fast removal of stock material
- Smooth file, a fine file designed for making an almost smooth surface



2nd Cut

Overall Length	Order No.	Regular Price	SALE
8"	**0796230**	17.36	**11.28**
10"	**0796234**	22.26	**14.48**

Bastard

Overall Length	Order No.	Regular Price	SALE
10"	**0796232**	17.15	**11.14**

Smooth

Overall Length	Order No.	Regular Price	SALE
4"	**0796223**	16.80	**10.92**
6"	**0796227**	17.36	**11.28**
10"	**0796235**	24.15	**15.69**

2266

Torx® Screwdrivers

- Round blades
- Hardened steel
- Maximum durability
- Sure fit tips
- Soft handles



Tip Size	Blade Length	Order No.	Regular Price	SALE
T5	2 1/2"	**0883857**	9.72	**7.77**
T6	2 1/2"	**0883859**	9.70	**7.76**
T7	2 1/2"	**0883861**	9.42	**7.53**
T8	2 1/2"	**0883863**	9.42	**7.53**
T9	2 1/2"	**0883865**	10.50	**8.40**
T10	3"	**0883867**	10.58	**8.47**
T15	3"	**0883869**	12.11	**9.69**
T20	4"	**0883871**	11.66	**9.32**
T25	4"	**0883873**	13.87	**11.10**
T30	4 1/2"	**0883877**	18.59	**14.87**
T40	5.1"	**0883879**	19.74	**15.79**

17693

22-Piece MagicRing Ball End Hex L-Key Set, 66992

- 22-Piece Inch & Metric Combo Set - Includes the most commonly used hex sizes.
- MagicRing® Screw Holding Technology - Hardened spring steel compression ring securely holds fasteners for one-handed installation and removal.
- Ball End Hex Design - Enables fastening at angles up to 25°, making it easier to reach screws in tight or obstructed spaces.



Sizes Included	Model No.	Order No.	Regular Price	SALE
0.05", 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 mm, 2 mm, 2.5 mm, 3 mm, 4 mm, 5 mm, 6 mm, 8 mm, 10 mm	66992	**0885134**	167.96	**134.37**

61277

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



Hex Key

Ball End Size	Order No.	Regular Price	SALE
2 mm	**0883344**	9.49	**7.59**
2.5 mm	**0883346**	9.56	**7.64**
3 mm	**0883348**	10.57	**8.46**

Dual Drive Ball End Hex

Ball End Size	Order No.	Regular Price	SALE
4 mm	**0883350**	11.38	**9.10**
5 mm	**0883352**	13.65	**10.92**
6 mm	**0883353**	14.52	**11.62**
8 mm	**0883355**	21.17	**16.94**
10 mm	**0883357**	27.80	**22.25**

1136

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	**0883381**	117.56	**94.05**
1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8"	**0883382**	110.19	**88.16**

1130

STANLEY

6 Pc. Precision Screwdriver Set

- Swivel-head handles provide precision and reach
- Tough, plastic handles with soft cushion grip for comfort
- Plastic storage case included



Included	Order No.	Regular Price	SALE
Standard 1.4 mm, 2.0 mm, 2.4 mm, 3.0 mm; Phillips 0 Pt., 1 Pt.; Plastic Storage Case	**0901939**	16.13	**12.91**

61412

STANLEY

Compo-Cast® Soft-Face Sledge Hammer - 5 Lbs.

- Non-sparking, soft-face sledgehammers
- Uni-Cast™ construction of non-ferrous materials eliminates sparking and won't absorb liquids
- No exposed metal on face, head or shaft
- Dead blow function eliminates bounceback when striking hardened surfaces
- Soft face helps prevent marring
- Steel reinforced handle provides strength and resists breaking on overstrike
- Urethane covering helps reduce noise
- Flat area on head allows upright storage



Order No.	Regular Price	SALE
0901892	207.49	**166.00**
0901894	511.81	**409.44**

8678

STANLEY

Slip Joint Pliers

- Adjustable joint design used for grasping and turning
- Oil-resistant dipped handle allows for a comfortable grip
- Drop-forged steel is strong and durable
- Meets ANSI specifications



Overall Length	Maximum Capacity	No. of Jaw Positions	Model No	Order No.	Regular Price	SALE
6"	1/2"	2	84-097	**0901393**	15.92	**12.74**
8"	1 3/4"	2	84-098	**0901394**	20.37	**16.30**

11472

BONDHUS

Ball End L-Wrenches

- Ball End inserts into a screw at a 25 degree working angle
- Ball End saves time by quickly funneling tool into screw
- 25° angle allows natural hand and wrist movement



Torx Size	Arm Length	Blade Length	Order No.	Regular Price	SALE
5/64"	0.61"	3.2"	**1125021**	1.99	**1.58**
3/32"	0.65"	3.4"	**1125022**	2.08	**1.65**
7/64"	0.70"	3.6"	**1125023**	2.32	**1.85**
1/8"	0.75"	3.8"	**1125024**	2.43	**1.94**
9/64"	0.80"	4"	**1125025**	2.43	**1.94**
5/32"	0.84"	4.2"	**1125026**	2.52	**2.00**
3/16"	0.94"	4.5"	**1125027**	2.94	**2.34**

61303

BONDHUS

22-Piece Ball End L-Wrenches

- 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



Driver Style	Arm Type	Set Includes	Order No.	Regular Price	SALE
Ball End Hex	Long	.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	**0880542**	65.42	**52.06**

58396

Faceshields & Headgear

- Headgear has locking cams
- Shield provides excellent protection from particle debris and sparks
- Clear polycarbonate
- Face shield and headgear sold separate



Face Shield

Shield Width	Shield Height	Shield Thickness	Shield Material	Order No.	Regular Price	SALE
15 1/2″	8″	0.040″	Polycarbonate	**0786098**	5.67	**4.26**
15 1/2″	10″	0.040″	Polycarbonate	**0786087**	5.95	**4.47**

Headgear

Width	Order No.	Regular Price	SALE
6 1/2″|7 3/4″	**0786088**	18.94	**14.21**

2621

MCR Safety 6062 NitriShield Stealth Disposable Industrial Grade Nitrile Gloves

6 mil - Powder Free

- 12 inches in length
- Component materials comply with all federal regulations for food contact
- Industrial Food Service Grade
- Rolled Cuff
- Textured Grip
- Ambidextrous
- Black color hides dirt and oils



Material	Powder Style	Color	Size	Order No.	Regular Price	SALE
Nitrile	Powder Free	Black	Medium	**0784336**	31.19	**24.95**
Nitrile	Powder Free	Black	Large	**0784335**	31.19	**24.95**
Nitrile	Powder Free	Black	X-Large	**0784338**	31.19	**24.95**

61367

MCR Safety NitriShield Disposable Nitrile Gloves w/ Grippaz Technology

- Powder free disposable black nitrile gloves
- 9.5 inches in length
- 6 mil thickness
- Fish-scale pattern grip
- Embossed internal grip provides extra traction
- Textured finish
- Touchscreen Friendly
- Ambidextrous
- Component materials comply with all relevant federal regulations for food contact



Size	Color	Order No.	Regular Price	SALE
Medium	Orange	**0784317**	40.95	**32.76**
Large	Orange	**0784316**	40.95	**32.76**
X-Large	Orange	**0784319**	40.95	**32.76**
Medium	Black	**0784312**	40.95	**32.76**
Large	Black	**0784311**	40.95	**32.76**
X-Large	Black	**0784314**	40.95	**32.76**

61238

Moldex 2300N95 Disposable Particulate Respirator with Exhale Valve

NIOSH Approved

- LASTS LONGER LESS WASTE Exclusive DURA-MESH SHELL protects the filter media, so it stays cleaner-looking longer The shell also resists collapsing in hot, humid environments, so the respirator holds its shape longer and the result is fewer respirators used and lower costs
- EXHALE VALVE Lets workers breath easier and stay cooler
- MORE COMFORT LESS PRESSURE The face piece is naturally contoured and the molded pinch free nose bridge seals easily without a metal nose band
- MADE IN AMERICA Quality you can trust
- SUSTAINABLE SOLUTIONS 100% PVC-Free, like all Moldex products and packaging



Style	Order No.	Regular Price	SALE
N95	**9721500**	68.05	**57.85**

61272

Moldex 2400 N95 Disposable Particulate Respirator

Plus Nuisance Organic Vapors with Exhale Valve, Size Medium/Large, NIOSH Approved

- USE IN WELDING, FOUNDRY, WASTE DISPOSAL AND OTHER APPLICATIONS Where there are nuisance levels of organic vapors
- LASTS LONGER LESS WASTE Exclusive DURA-MESH SHELL protects the filter media, so it stays cleaner-looking longer The shell also resists collapsing in hot, humid environments, so the respirator holds its shape longer and the result is fewer respirators used and lower costs
- EXHALE VALVE Lets workers breath easier and stay cooler
- MORE COMFORT LESS PRESSURE The face piece is naturally contoured and the molded pinch free nose bridge seals easily without a metal nose band
- GET COMFORTABLE With softspun lining and soft foam nose cushion



Style	Type	Order No.	Regular Price	SALE
N95	Disposable	**9721446**	119.15	**101.28**

61247

PROTECTIVE INDUSTRIAL PRODUCTS

Bouton® Optical Zenon Z13™

- Lightweight, rimless design provides all day user comfort
- Flexible, rubber tip temples provide a secure fit without uncomfortable pressure points
- Molded nose bridge design to fit the vast majority of users
- Meets ANSI Z87.1+
- Meets CSA Z94.3



Type	Lens Color	Frame Color	Order No.	Regular Price	SALE
Rimless Frame	Clear	Clear	**1110960**	3.12	**2.49**

61248

PROTECTIVE INDUSTRIAL PRODUCTS

Bouton Optical Lens Cleaning Towelette Dispenser

- Pre-moistened towelettes
- Ideal for safety glasses, goggles or faceshields
- Anti-Fog, Anti-Static, Anti-Streaking formula
- Dispenser can also be easily placed on walls
- 100 Towelettes per dispenser
- Individually foil packaged



Order No.	Regular Price	SALE
1677758	12.25	**9.80**

61411

superiorglove

Dexterity® Cold Weather winter gloves with Water-resistant Protection

- A napped lining provides excellent insulation without adding bulk, keeping hands warm in temperatures down to -5°C / 23°F
- Crinkle-grip palms ensure a strong, steady grip in wet and oily conditions
- Treated to provide water resistance
- Orange backing improves visibility in poor weather conditions



Size	Cut Rating	Puncture Rating	ManufacturerNo	Order No.	Regular Price	SALE
Medium	Level A3,Cut 360	Level 4	TKTAGLX-M	**0115759**	13.72	**10.29**
2X-Large	Level A3,Cut 360	Level 4	TKTAGLX-2XL	**0115762**	13.72	**10.29**
3X-Large	Level A3,Cut 360	Level 4	TKTAGLX-3XL	**0115763**	13.72	**10.29**

1042

superiorglove

Emerald CX® Winter/Cold Gloves Provides Warmth & Cut protection

- Blended DuPont™ Kevlar® and steel knit for 360°
- An acrylic fleece lining provides cold weather protection down to -5°C / 23°F
- A soft, fleece lining keeps hands warm, dry and comfortable
- A PVC palm coating provides a strong, steady grip in wet or dry conditions
- Touchscreen compatible to seamlessly move between tasks



Size	Order No.	Regular Price	SALE
Small	**0115226**	34.97	**26.24**
Medium	**0115227**	34.97	**26.24**
Large	**0115228**	34.97	**26.24**
X-Large	**0115229**	34.97	**26.24**
2X-Large	**0115230**	34.97	**26.24**

1045

PYRAMEX

Lens Cleaning

Towelettes

- For plastic, glass and polycarbonate lenses
- Anti-fog, anti-static formula
- Perfect for safety goggles and glasses
- 100 Individually packaged towelettes
- Lens Cleaning Station
- Includes 16oz. bottle, anti-fog/static cleaning solution and 1200 tissues
- Can be attached to a wall



Order No.	Regular Price	SALE
0784698	19.74	**13.82**
0784697	41.44	**29.01**

1046

SHOWA

730

- Chemical-resistant
- Made from a special nitrile compound that is resistant to a broad range of solvents oils, animal fats and other chemicals
- Grip makes wet work easier and safer
- Coating: Nitrile- Color: light green
- Length: 13”



Size	Order No.	Regular Price	SALE
X-Small	**1201501**	3.40	**2.55**
Small	**1201502**	3.40	**2.55**
Medium	**1201503**	3.40	**2.55**
Large	**1201504**	3.40	**2.55**
X-Large	**1201505**	3.40	**2.55**
2X-Large	**1201506**	3.40	**2.55**

4046

SHOWA

Atlas® 380

- Strong grip on wet & dry surfaces
- Open back reduces perspiration
- Extended-cuff for added protection
- Mimics the curvature of a human hand to reduce fatigue
- Optimal dexterity and comfort
- Lint-free liner
- Coating: foam nitrile
- Liner: seamless knit, 13-gauge
- Color: blue/ black palm



Size	Order No.	Regular Price	SALE
Small	**1201701**	7.00	**5.25**
Medium	**1201702**	7.00	**5.25**
Large	**1201703**	7.00	**5.25**
X-Large	**1201704**	7.00	**5.25**

8868

PROCELL®
PROFESSIONAL BATTERIES

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 -4º to 129.2ºF

Procell Intense
- Alkaline battery
- For high drain devices
- Date coded
- Operating temperature -4º to 129.2ºF

Procell Lithium Coin/Cell
- Lithium coin battery
- For compact professional devices
- Operating temperature -4º to 140ºF

Procell High Power Lithium
- High power lithium battery
- General purpose
- Operating temperature -4º to 140ºF

PROCELL

Battery Size	Number of Batteries	ManufacturerNo	Order No.	Regular Price	SALE
9V	12	4133352748	**1617348**	5.12	**3.85**
AAA	24	4133353648	**1617344**	1.19	**0.90**
AA	24	4133352148	**1617345**	1.19	**0.90**
C	12	4133311440	**1617346**	2.88	**2.17**
D	12	4133311340	**1617347**	3.43	**2.58**

PROCELL High Power Lithium

Battery Size	Number of Batteries	ManufacturerNo	Order No.	Regular Price	SALE
3V	12	4133300438	**0394127**	8.01	**6.01**
3V	12	4133303456	**0394128**	8.01	**6.01**

PROCELL INTENSE

Battery Size	Number of Batteries	ManufacturerNo	Order No.	Regular Price	SALE
9V	12	4133303716	**0440438**	5.17	**3.88**
AAA	24	4133303715	**0440429**	1.41	**1.06**
AA	24	4133303437	**1617350**	1.51	**1.13**
C	12	4133303423	**1617351**	3.36	**2.52**
D	12	4133303424	**1617352**	3.79	**2.84**

PROCELL Lithium Coin/Cell

Battery Size	Number of Batteries	ManufacturerNo	Order No.	Regular Price	SALE
3V	5	4133303459	**0394124**	2.86	**2.14**
3V	5	4133303458	**0394125**	2.49	**1.99**
3V	5	4133303457	**0394126**	2.49	**1.88**

1054

3M

Particulate Vapor Respirator, R95



- Designed to meet NIOSH certification standards
- Some models available with 3M Cool Flow Exhalation Valve to help release warm and moist exhaled breath from inside the respirator
- Adjustable noseclip options help provide a custom and secure seal
- Some models available with fully adjustable buckle straps or dual elastic headbands for maximum comfort and effectiveness
- 3M proprietary filter media designed for ease of breathing
- Some models available with Activated Carbon Filter layer for the control of nuisance level organic vapors
- Some models available with flame resistant layers for applications such as welding or soldering which combines with cake resistant filter media to help prevent caking of particles when sanding or grinding

Style	Order No.	Regular Price	SALE
8247	**0438376**	8.01	**6.80**

50253

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	Style	Order No.	Regular Price	SALE
29 dB	Behind-the-Head	**0772454**	62.61	**53.21**

1033

3M

3M™ Peltor™ Optime™ 101 Over-The-Head



- Protection up to 101 dBA in loud noise areas where even minimal exposure can result in hearing damage
- Bring harmful noise levels down to a safe level so you can work longer with less danger
- Over-the-Head earmuffs give you the most protection and offer all day comfort

Noise Reduction Rating	Style	Order No.	Regular Price	SALE
27 dB	Over-the-Head	**0772457**	47.94	**40.74**

7854

16010 Heavy Duty Side Split

- Full feature gunn
- 2" Safety cuff
- Heavy side split cow leather
- Rich chrome tanned for durability
- Sewn with DuPont™ KEVLAR®
- Protective rubberized cuff
- 100% Cotton palm lined



Size	Order No.	Regular Price	SALE
Medium	**0784125**	17.49	**13.99**
Large	**0784124**	17.49	**13.99**
X-Large	**0784126**	17.49	**13.99**

8135

REUSABLE TPR CORDED EAR

- Pre-formed plug shape with no rolling required makes insertion simple
- Self-sealing flanges give all day comfort
- Rigid stem makes insertion easy and reduces the risk of contamination
- Corded versions use a non-resonating textile cord for comfort and easy storage
- Cord can be detached for added safety when working around machines, or when the TPR plug is to be cleaned using soap and water
- Can be reused several times, making them very cost efficient
- Moderate attenuation allows for safe usage that blocks out hazardous noise yet allows warning signals and voices to be clearly understood



Noise Reduction Rating	Style	Standard Pack	Order No.	Regular Price	SALE
27 dB	Reusable / Corded	100	**1159678**	159.60	**127.68**

60702

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	Lens Coating	Frame Color	Magnification	Order No.	Regular Price	SALE
Clear	Anti-Fog	Silver	1.5x	**0774822**	29.44	**25.03**
Clear	Anti-Fog	Silver	2.0x	**0774823**	29.44	**25.03**
Clear	Anti-Fog	Silver	2.5x	**0774824**	29.44	**25.03**

1020

Heardwearing Workers

- Heavy-duty side split leather palm
- 2-1/2" Rubberized safety cuff, wing thumb, gunn pattern
- Canvas back with leather knuckle strap



Size	Order No.	Regular Price	SALE
Medium	**0783495**	13.08	**9.81**
Large	**0783493**	13.08	**9.81**
X-Large	**0783498**	13.61	**10.21**

3237

3M™ Particulate Respirator 8210, N95

- N95 Respirator
- Adjustable nose clip
- Cushioning nose foam
- Great for grinding,bagging, sanding,sweeping and otherdusty operations
- Min. 20 per box



Style	Type	Order No.	Regular Price	SALE
8210	Half Facepiece Respirator	**0778534**	1.96	**1.67**

7868

Multi-Purpose Nitrile

- 100% Gray nitrile dipped fingers and palms
- Outstanding comfort and fit
- Superior tactile sensitivity
- 13 Gauge nylon shell



Size	Order No.	Regular Price	SALE
X-Small	**0783550**	2.53	**1.90**
Small	**0783546**	2.84	**2.13**
Medium	**0783544**	2.59	**1.95**
Large	**0783542**	2.59	**1.95**
X-Large	**0783548**	2.59	**1.95**

8405

PYRAMEX

OTS®

- Designed to better fit over today's prescription eyewear
- Lightweight nylon temples that adjust length and pitch
- Scratch resistant



Lens Color	Lens Coating	Frame Color	Order No.	Regular Price	SALE
Clear	Scratch Resistant	Black	**0784867**	9.84	**6.89**

8639

ergodyne

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
- 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







Knee Pads

Size	Hand	Order No.	Regular Price	SALE
One Size	-	**0931442**	46.94	**37.55**
One Size	-	**0931441**	49.53	**39.62**

Elbow Support

Size	Hand	Order No.	Regular Price	SALE
Medium	-	**0931508**	23.14	**18.51**
Large	-	**0931507**	23.14	**18.51**
X-Large	-	**0931510**	23.14	**18.51**

Wrist Support

Size	Hand	Order No.	Regular Price	SALE
Medium	Right	**0931462**	27.47	**21.98**
Medium	Left	**0931460**	27.47	**21.98**
Large	Right	**0931461**	27.47	**21.98**
Large	Left	**0931459**	27.47	**21.98**

1031

MCR SAFETY

Nitrishield® 6015 Disposable Nitrile

- Chlorinated
- Textured finish for better grip
- Latex free
- Resistance to a wide variety of chemicals 4 Mil Thickness
- Powder free nitrile



Size	Order No.	Regular Price	SALE
Medium	**0784307**	19.07	**15.26**
Large	**0784306**	19.07	**15.26**
X-Large	**0784309**	19.07	**15.26**

8185

STREAMLIGHT

ProTac® 2 AA Flashlight

- Bulb: C4" LED
- Run time: High - 2 hrs, 155 lumens, 3,300 candela peak beam intensity Low - 36 hrs 11 lumens, 200 candela peak beam intensity Strobe - 4 hrs
- Body: Durable, anodized aluminum construction with impact resistant tempered glass lens
- Size: 6.14"
- Battery: 2 AA alkaline (included)
- Features: Ten-Tap® programming: three selectable programs high/strobe/low; high only; low/high, IPX7 waterproof to 1 meter for 30 minutes, 2 meter impact resistance, nylon holster included



Order No.	Regular Price	SALE
0771908	142.70	**106.46**

8908

STREAMLIGHT

MicroStream® Flashlight

- Bulb: C4 LED Technology
- Run time: 2 hrs. 15 min.
- Lumens: 28 Lumens
- Body: Type II MIL-SPEC aircraft aluminum
- Battery: 1 AAA (included)
- Size: 3.5" Long
- Features: Tailcap switch for momentary on/off. O-ring sealed, shock proof and drop-tested construction. Water resistant per IPX4; in accordance with specification EN 60529:1992. High Strength "Break Away" safety lanyard. Unbreakable pocket / hat clip



Order No.	Regular Price	SALE
0771872	60.01	**44.77**

8905

Stylus® LED Penlights

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



LED Color	Order No.	Regular Price	SALE
White	**0771864**	49.99	**37.29**
Blue	**0771866**	49.99	**37.29**

2372

High Temperature Work Gloves

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



Color	Maximum Temperature	ManufacturerNo	Order No.	Regular Price	SALE
Yellow	600 Degrees F	08314	**1142289**	120.09	**102.07**
White	2000 Degrees F	07114	**1142288**	207.51	**176.39**

3751

Endura(R) 361DLXWL

Extreme cold protection lineman mitts for temperatures down to -45(insert degree mark)C / -49(insert degree mark)F

- Liner is removable and washable
- Treated with Waterstop to repel water, oil and stains
- Gauntlet cuffs feature retroreflective silver strips with hi-viz overlay for enhanced visibility
- Leather performance patch on palm and thumb reduces abrasion in critical areas



Size	Color	Order No.	Regular Price	SALE
Small	White	**0113458**	90.41	**72.32**
Medium	White	**0113459**	90.41	**72.32**
Large	White	**0113460**	90.41	**72.32**
X-Large	White	**0113461**	90.41	**72.32**

61432

Sparkplugs® Disposable Earplugs

- Extra-soft, low-pressure foam for comfort and fit
- Non-irritating smooth surface
- Metal detectable earplugs and cord for food processing applications



Type	Noise Reduction Rating	Style	Order No.	Regular Price	SALE
Earplug	33 dB	Corded/Disposablw	**9721484**	117.82	**100.16**
Earplug	33 dB	Corded/Disposablw	**9721490**	72.74	**61.84**
Earplug	33 dB	Uncorded/Disposable	**3930142**	71.09	**60.42**
Earplug Jar	33 dB	Uncorded/Disposable	**9721435**	22.96	**19.52**
EcoStation 6703 Earplug Dispenser	33 dB	Uncorded/Disposable	**9721576**	180.11	**153.09**
EcoStation Earplug Dispenser Refill	33 dB	Uncorded/Disposable	**9721577**	170.16	**144.63**
PlugStation 6605 Earplug Dispenser	33 dB	Uncorded/Disposable	**9721642**	97.26	**82.67**
PlugStation 6644 Earplug Dispenser	33 dB	Uncorded/Disposable	**9721569**	96.00	**81.59**
PlugStation 6645 Earplug Dispenser	33 dB	Uncorded/Disposable	**9721570**	184.62	**156.93**
PlugStation 6880 Earplug Dispenser	33 dB	Corded/Disposablw	**9721593**	117.14	**99.57**
PlugStation 6881 Earplug Dispenser	33 dB	Metal Detectable Corded/Disposable	**9721594**	184.67	**156.97**
TouchFree EcoStation 6833 Earplug Dispenser	33 dB	Uncorded/Disposable	**9721585**	285.80	**242.93**

61337

General Purpose Work Gloves

Black, Polyester Lined, Smooth Grip, Pair, Lint Free

- Seamless knit polyester shell offers increased comfort, finger dexterity and breathability
- Polyurethane coated palm and fingertips provides a secure grip in dry and slightly wet/oily conditions and offers high dexterity and tactile sensitivity
- Knit Wrist helps prevent dirt and debris from entering the glove



Size	Order No.	Regular Price	SALE
X-Small	**1113646**	1.53	**1.22**
Small	**1113644**	1.53	**1.22**
Medium	**1113643**	1.53	**1.22**
Large	**1113642**	1.53	**1.22**
X-Large	**1113645**	1.53	**1.22**
2X-Large	**1113647**	1.53	**1.22**

61249

CONTENDER SPGRK2D

- High cut resistance and ANSI 3 heat protection with dotted PVC palm coating to balance flexibility, breathability, and grip



Cut Rating	Size	Order No.	Regular Price	SALE
Level A6	Small	**0115477**	15.12	**11.34**
Level A6	Medium	**0115478**	15.12	**11.34**
Level A6	Large	**0115479**	15.12	**11.34**
Level A6	X-Large	**0115480**	15.12	**11.34**
Level A6	2X-Large	**0115481**	15.12	**11.34**

3679

brown & sharpe

BesTest® Dial Test Indicators

- Constant clockwise rotation
- Automatic reversal
- Swiveling point
- Carbide tip point
- Universal mounting
- Monoblock (precision watch) body design
- Anti-magnetic and corrosion resistant



Total Range	Graduation	Dial Reading	Contact Length	Dial Face Diameter	Order No.	Regular Price	SALE
0.008″	0.00005″	0-4-0	1/2″	1 1/2″	**1067275**	524.86	**472.37**
0.008″	0.00005″	0-4-0	1/2″	1 1/2″	**1067128**	634.34	**570.91**
0.008″	0.0001″	0-4-0	1/2″	1.0″	**1067274**	511.98	**460.78**
0.020″	0.0005″	0-10-0	1 7/16″	1 1/2″	**1067273**	505.54	**454.99**
0.020″	0.0005″	0-10-0	1 7/16″	1.0″	**1067272**	483.00	**434.70**
0.030″	0.0005″	0-15-0	1/2″	1 1/2″	**1067271**	429.87	**386.89**
0.030″	0.0005″	0-15-0	1/2″	1.0″	**1067269**	405.72	**365.15**
0.030″	0.001″	0-15-0	1/2″	1.0″	**1067268**	396.06	**356.45**

3552

Fowler

Test Indicators and Sets

- 0.060″ range with 0-15-0 dial reading
- Jeweled movement for smooth, precise operation
- Easy-to-read tilted dial with revolution counter
- Automatic reversal with 210° swivel arc
- Complete set includes dial test indicator, axial support, height gage bar with clamp, contact points, wrench, adaptor sleeve, and hardened case



Indicator Style	Graduation	Dial Face Diameter	Order No.	Regular Price	SALE
Horizontal	0.0005″	1.0″	**1078327**	238.00	**214.20**
Horizontal	0.0005″	1.0″	**1078336**	330.40	**297.36**
Horizontal	0.0005″	1 1/2″	**1078334**	421.40	**379.26**
Horizontal	0.0005″	1 1/2″	**1078326**	238.00	**214.20**
Horizontal	0.001″	1.0″	**1078328**	245.00	**220.50**
Horizontal	0.001″	1.0″	**1078337**	366.80	**330.12**
Vertical	0.0005″	1 1/2″	**1078329**	254.80	**229.32**

534

Fowler

Electronic Calipers

- 0.0005″ / 0.01 mm resolution with inch/metric conversion
- RS232C direct output
- Preset mode with inside jaw offset
- Fine adjustment screw on all sizes
- Includes wooden case



Measuring Range	Order No.	Regular Price	SALE
0-12″	**1078641**	441.00	**401.31**
0-24″	**1078626**	721.00	**656.11**
0-40″	**1078628**	1779.40	**1619.25**

641

Fowler

Electronic Edge Finders

- Six light ports provide full 360° visibility for easy alignment
- Instant light and audible beep on contact for fast, accurate edge detection
- High repeatability for precise, consistent locating on conductive materials
- Includes LED, 12V battery, and protective case for complete ready-to-use setup



Stylus	Shank	Type	Order No.	Regular Price	SALE
0.200″	1/2″	Electronic Edge Finder	**1078924**	107.80	**98.10**
0.400″	3/4″	Electronic Edge Finder	**1078926**	369.60	**336.34**

14416

Fowler

Shockproof Dial Calipers

- 4-way measuring with thumb roll
- Solid Stainless Steel construction with silky smooth movement
- Tough shockproof design
- 0.100″ / 2 mm range per revolution
- 0.001″ / 0.02 mm reading dial face with shop-hardened case



Measuring Range	Order No.	Regular Price	SALE
0-6″	**1077787**	133.00	**119.70**
0-6″	**1077786**	134.40	**120.96**
0-8″	**1077788**	203.00	**182.70**
0-12″	**1077790**	296.80	**267.12**

2973

Digital Outside Calipers

- Battery CR2032
- Data output
- Made of Stainless Steel
- Supplied with certification



Measuring Range	Order No.	Regular Price	SALE
0-6"	**1225202**	118.68	**106.81**
0-8"	**1225203**	177.37	**159.63**
0-12"	**1225204**	266.77	**240.10**

518

Dial Indicators

- Lug back
- Limit pointers and bezel clamp provided
- Certificate of inspection included Standard ASME B89.1.10M-2001
- Graduation 0.001"



Model No	Total Range	Order No.	Regular Price	SALE
2307-1	1"	**1225227**	73.25	**65.93**
2307-2	2"	**1225228**	175.92	**158.33**

666

Digital Measuring Microscope

- 0x to 200x magnification range
- Short focus distance design
- Built-in adjustable LED illumination with USB power supply
- Image and video capture with included software
- Class 2B and ANSI B1.2 compliant



Order No.	Regular Price	SALE
1225193	797.43	**757.55**

678

Magnetic Indicator Holders

- For electronic, dial, and test indicators
- 132 lbf magnetic holding force



Order No.	Regular Price	SALE
1225325	66.33	**59.70**
1225326	61.14	**55.02**

9502

Pocket Surf® IV Portable Surface Roughness Gages

- Portable surface roughness gage with piezoelectric probe
- 5.08 mm / 0.2" per second traverse speed
- Maximum stylus force of 150.0 mN / 1500 mgf
- Battery powered with 9V battery included
- Complete kit includes fitted case, general purpose probe, reference specimen, and riser plate



Order No.	Regular Price	SALE
1079106	5053.92	**4913.35**
1079107	5053.92	**4913.35**

9573

Small Shockproof Dial Indicators

- 0.01 mm / 0.0005" reading
- 3 mm / 0.120" measuring range
- 8 mm shank diameter
- 1-3/8" dial diameter



Order No.	Regular Price	SALE
1079151	232.45	**214.10**
1079150	212.95	**196.13**

9574

Mitutoyo

Dial Calipers

- Smooth sliding operation
- Shock protection for durability
- Lock screw on bezel
- Titanium nitride coated main beam on 6" and 8" models
- ±0.002" accuracy



Measuring Range	Order No.	Regular Price	SALE
0-6"	**1044633**	229.60	**195.16**
0-6"	**1044630**	229.60	**195.16**
0-6"	**1044635**	229.60	**195.16**
0-6"	**1044631**	229.60	**195.16**
0-6"	**1044625**	411.60	**349.86**
0-6"	**1044629**	229.60	**195.16**
0-6"	**1044623**	337.40	**286.79**
0-6"	**1044632**	229.60	**195.16**
0-8"	**1044628**	312.20	**265.37**
0-8"	**1044636**	334.60	**284.41**
0-12"	**1044640**	649.60	**552.16**
0-12"	**1044639**	509.60	**433.16**
0-12"	**1044642**	476.00	**404.60**

519

Mitutoyo

AGD 2 Dial Indicators

- 2-1/4" dial face with 0.001" graduation for clear, precise readings
- 1" travel AGD 2 design for reliable general-purpose measurement applications
- Lug back mount with 3/8" stem for secure, stable installation
- Integrated revolution counter for accurate travel tracking and control



Total Range	Dial Reading	Range per Revolution	Order No.	Regular Price	SALE
1.0	0-100	0.100"	**1043171**	215.60	**183.26**

2168

Mitutoyo

Test Indicators with Dovetail Mount

- Jeweled bearings for smooth, precise movement
- Automatic reverse feature
- Basic unit includes carbide point and 3/8" stem (8 mm metric)
- Complete unit includes dovetail clamp, holding bar, carbide ball contact points, and fitted plastic case



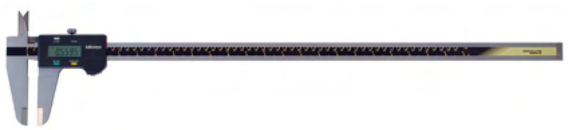
Order No.	Regular Price	SALE
1044903	348.60	**296.31**
1044908	277.20	**235.62**
1044909	306.60	**260.61**
1044942	362.60	**308.21**
1044972	338.80	**287.98**
1044986	404.60	**343.91**
1044882	235.20	**199.92**

8720

Mitutoyo

Digimatic Calipers

- 5-digit LCD display with dual readout and engraved scale backup for reliability
- Measures inside, outside, depth, and step dimensions with precision
- Absolute scale system with 0.0005" repeatability for consistent accuracy
- Stainless Steel construction with epoxy-embedded linear scale for durability
- Thumb wheel on smaller models for smooth, controlled adjustment
- Multi-function controls: on/zero, inch/metric conversion, and data hold (4", 6", 8", 12" models)



Measuring Range	Order No.	Regular Price	SALE
0-4"	**1044442**	284.20	**255.78**
0-4"	**1596155**	390.60	**351.54**
0-6"	**1044452**	637.00	**573.30**
0-6"	**1044455**	680.40	**612.36**
0-6"	**1044445**	331.80	**323.82**
0-6"	**1596156**	459.20	**413.28**
0-6"	**1596158**	649.60	**584.64**
0-6"	**1596159**	679.00	**611.10**
0-8"	**1044457**	708.40	**637.56**
0-8"	**1596160**	726.60	**653.94**
0-8"	**1596157**	550.20	**495.18**
0-8"	**297459B**	736.74	**716.24**
0-12"	**1596123**	956.20	**860.58**
0-12"	**1596124**	819.00	**696.15**
0-24"	**1044494**	1638.00	**1474.20**
0-40"	**1044495**	3164.00	**2847.60**

9611

Mitutoyo

IP67 Digimatic Calipers

- IP67-rated coolant-proof caliper with full dust and water protection
- Automatic power off after 20 minutes of inactivity; instantly reactivates when slider is moved
- Compatible with statistical process control and measurement system integration
- Large LCD display for clear, fast readings



Measuring Range	Order No.	Regular Price	SALE
0-6″	**1044548**	449.40	**404.46**
0-6″	**1044507**	449.40	**404.46**
0-6″	**1044513**	449.40	**404.46**
0-6″	**1044519**	725.20	**652.68**
0-6″	**1044532**	578.20	**520.38**
0-6″	**1044536**	725.20	**652.68**
0-6″	**1044541**	379.40	**322.49**
0-6″	**1044501**	379.40	**322.49**
0-6″	**1044528**	651.00	**553.35**
0-6″	**1044524**	506.80	**430.78**
0-6″	**1044556**	449.40	**404.46**
0-6″	**1044554**	379.40	**322.49**
0-8″	**1044551**	567.00	**510.30**
0-8″	**1044509**	567.00	**510.30**
0-8″	**1044521**	845.60	**761.04**
0-8″	**1044534**	651.00	**585.90**
0-8″	**1044538**	845.60	**761.04**
0-8″	**1044544**	508.20	**431.97**
0-8″	**1044503**	508.20	**431.97**
0-8″	**1044530**	800.80	**680.68**
0-8″	**1044526**	595.00	**505.75**
0-12″	**1596121**	879.20	**747.32**

9612

Mitutoyo

500-196-32 Electronic Caliper

- Digital display for fast, clear readings
- Hardened Stainless Steel construction
- 1.97″ jaw length for versatile measurement
- ABSOLUTE AOS sensor for stable operation



Measuring Range	Order No.	Regular Price	SALE
0-6″	**875228A**	294.11	**255.83**

61350

NOGA SIMPLY SOPHISTICATED

Dial Gage Holders

- Powerful on/off magnetic base for secure, stable positioning
- Universal top clamp accepts 3/8″ stem and dovetail mounts
- Fine adjustment with central locking mechanism and spring-loaded bearing
- True 3-dimensional positioning for precise indicator setup
- Built for rigid, repeatable dial gage holding in demanding applications



Top Arm Length	Bottom Arm Length	Order No.	Regular Price	SALE
3.98″	4.33″	**0558808**	215.52	**183.19**
3.98″	4.33″	**0558810**	205.72	**174.86**
4.45″	6.43″	**0558827**	313.73	**266.67**
5.24″	5.26″	**0558823**	265.33	**225.53**
5.24″	5.26″	**0558825**	263.96	**224.36**
9.50″	12.8″	**0558822**	420.98	**357.84**

530

NOGA SIMPLY SOPHISTICATED

Double Fine Adjustment Magnetic Base

Model DG6160

- Double fine adjustment with unique single-direction bottom adjustment and universal swivel clamp
- Powerful on/off magnetic base with 176 lbf
- Holds 6 mm, 8 mm, 3/8″, dovetail, and lug back indicators
- Central locking mechanism with NOGA-designed spring-loaded bearing
- Five-axis holder with fast and easy gauge positioning



Order No.	Regular Price	SALE
0558811	247.95	**210.76**

9715

1/8" Steel Parallel Set

- Made of high-grade Alloy Steel, hardened and ground from 1/8" stock
- Thin style matched pairs with two holes in each parallel
- ±0.0002" parallelism in height accuracy
- ±0.001" to size in height
- Includes 10 pairs in fitted box



Minimum Height	Maximum Height	Order No.	Regular Price	SALE
1/2"	1 5/8"	**1085021**	166.33	**116.44**

542

Tri-Block Sets

- Tolerance: 0.0001"
- Additional tolerance: 0.0003" - 0.0005" (0.005-0.01 mm)
- Hardness: 55-62 HRC
- Fitted plastic case



Overall Length	Overall Width	Overall Height	Order No.	Regular Price	SALE
50 mm	25 mm	75 mm	**1085015**	56.57	**39.61**
2"	1"	3"	**1085014**	33.60	**23.52**
4"	2"	6"	**1085019**	338.42	**236.89**

551

Class ZZ Gage Pin Sets

- Location and gage slot checks
- Hole size and depth verification
- Ground edges for precision
- A10 micro finish or better
- 60 - 63 HRC heat treated
- 2" uniform length with case



Gage Pin Set

Minimum Diameter	Maximum Diameter	Tolerance Type	Number of Pieces	Order No.	Regular Price	SALE
0.0110"	0.0600"	Minus (No Go)	50	**0770847**	69.41	**48.59**
0.0110"	0.0600"	Plus (Go)	50	**0770848**	69.41	**48.59**
0.0610"	0.2500"	Minus (No Go)	190	**0770851**	155.15	**108.60**
0.0610"	0.2500"	Plus (Go)	190	**0770852**	155.15	**108.60**
0.2510"	0.5000"	Minus (No Go)	250	**0770857**	236.12	**165.28**
0.2510"	0.5000"	Plus (Go)	250	**0770858**	236.12	**165.28**
0.5010"	0.6250"	Minus (No Go)	125	**0770861**	263.96	**184.77**
0.5010"	0.6250"	Plus (Go)	125	**0770862**	279.66	**195.76**
0.6260"	0.7500"	Minus (No Go)	125	**0770865**	348.00	**243.60**
0.6260"	0.7500"	Plus (Go)	125	**0770866**	351.86	**246.30**
0.7510"	0.8320"	Minus (No Go)	82	**0770869**	383.22	**268.25**
0.7510"	0.8320"	Plus (Go)	82	**0770870**	371.62	**260.13**
0.8330"	0.9160"	Minus (No Go)	84	**0770873**	408.07	**285.66**
0.8330"	0.9160"	Plus (Go)	84	**0770874**	408.07	**285.66**
0.9170"	1.0000"	Minus (No Go)	84	**0770877**	493.18	**345.23**
0.9170"	1.0000"	Plus (Go)	84	**0770878**	475.33	**332.72**

Gage Pin Set (Certified)

Minimum Diameter	Maximum Diameter	Tolerance Type	Number of Pieces	Order No.	Regular Price	SALE
0.0110"	0.0600"	Minus (No Go)	50	**0770845**	102.21	**71.55**
0.0110"	0.0600"	Plus (Go)	50	**0770846**	102.21	**71.55**
0.0610"	0.2500"	Minus (No Go)	190	**0770849**	266.15	**186.31**
0.0610"	0.2500"	Plus (Go)	190	**0770850**	266.15	**186.31**
0.2510"	0.5000"	Minus (No Go)	250	**0770855**	455.80	**319.06**
0.2510"	0.5000"	Plus (Go)	250	**0770856**	455.80	**319.06**
0.5010"	0.6250"	Minus (No Go)	125	**0770859**	467.98	**327.59**
0.5010"	0.6250"	Plus (Go)	125	**0770860**	467.98	**327.59**
0.6260"	0.7500"	Minus (No Go)	125	**0770863**	497.06	**347.94**
0.6260"	0.7500"	Plus (Go)	125	**0770864**	497.06	**347.94**
0.7510"	0.8320"	Minus (No Go)	82	**0770867**	605.49	**423.84**
0.7510"	0.8320"	Plus (Go)	82	**0770868**	605.49	**423.84**
0.8330"	0.9160"	Minus (No Go)	84	**0770871**	707.59	**495.31**
0.8330"	0.9160"	Plus (Go)	84	**0770872**	609.32	**426.52**
0.9170"	1.0000"	Minus (No Go)	84	**0770875**	817.57	**572.31**
0.9170"	1.0000"	Plus (Go)	84	**0770876**	817.57	**572.31**

9837

PROCHECK

Precision Toolroom Black Granite Surface Plates

- Meets or exceeds Federal Specification GGG-P-463c
- Does not rust or corrode
- Does not nick or burr tools
- Retains accuracy for years
- Autocollimator checked for overall accuracy



Length	Width	Thickness	Accuracy	Weight	Order No.	Regular Price	SALE
12″	9″	3″	.00010″	38 lbs	**1085462**	70.11	**49.08**
12″	12″	3″	.00010″	60 lbs	**1085463**	87.61	**61.33**
18″	12″	3″	.00010″	75 lbs	**1085464**	116.63	**81.65**
24″	18″	3″	.00015″	147 lbs	**1085466**	237.33	**166.12**
36″	24″	4″	.00020″	418 lbs	**1085468**	561.09	**392.77**
48″	36″	6″	.00040″	1,258 lbs	**1085470**	1317.76	**922.43**
72″	36″	6″	.00070″	1,850 lbs	**1085471**	3639.02	**2547.31**

9932

PROCHECK

AGD Dial Indicators

- Flat back, 1/4″ lug back, and fitted case included
- Adjustable limit pointers for easy go/no-go reading
- Revolution counter
- Certificate of inspection included, Standard ASME B89.1.10M-2001
- 1-year warranty



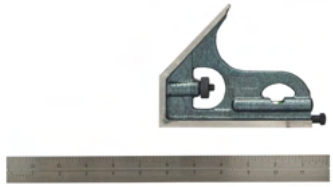
Dial Reading	Dial Diameter	Order No.	Regular Price	SALE
0-50	2-1/4″	**1649568**	79.56	**56.99**
0-100	2-1/4″	**1649576**	71.31	**51.09**
0-100	2-1/4″	**1649570**	146.36	**104.84**
0-100	2-1/4″	**1649567**	71.31	**51.09**
0-100	2-1/4″	**1649565**	71.31	**51.09**
0-100	2-1/4″	**1649569**	146.36	**104.84**
0-100	2-1/4″	**1649566**	71.31	**51.09**

674

PROCHECK

12″ Combination Square Sets

- 2 pc. set includes 12″ blade and square head
- 3 pc. set includes 12″ blade, square head, and center head
- 4 pc. set includes 12″ blade, square head, center head, and protractor head
- Blade graduated in 8ths, 16ths, 32nds, and 64ths

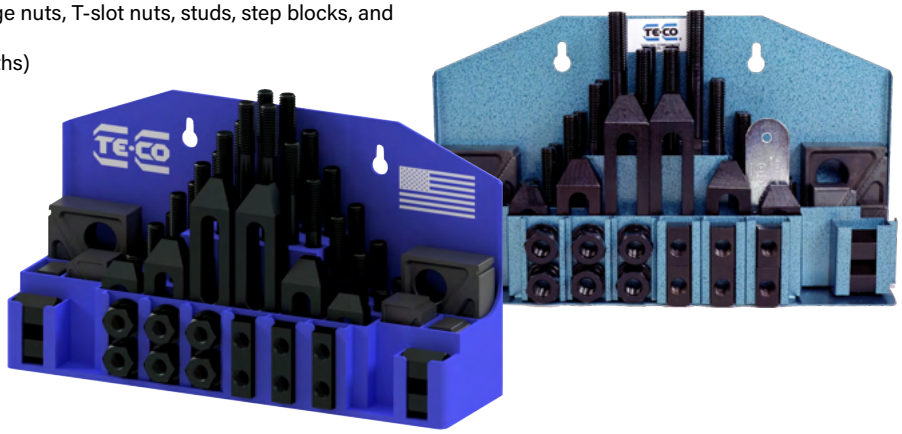


Number of Pieces	Order No.	Regular Price	SALE
2	**1079664**	50.41	**35.29**
3	**1079665**	63.56	**44.49**
4	**1079666**	115.98	**81.19**

680

Machinist Clamping Set for 5/8" Table Slots

- Complete clamping set includes coupling nuts, flange nuts, T-slot nuts, studs, step blocks, and serrated end clamps
- Includes 24 studs (4 each: 3", 4", 5", 6", 7", and 8" lengths)
- Designed for 5/8" table slots with 1/2"-13 T-nuts and studs
- 1202134: Plastic Case | 1203495: Steel Case

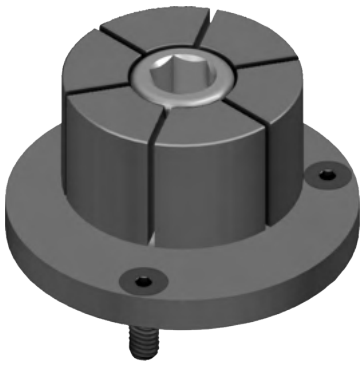


Stud Size	System of Measurement	Type	Order No.	Regular Price	SALE
1/2"-13	Imperial	Machinist Clamping Set	**1202134**	511.01	**383.26**
1/2"-13	Imperial	Machinist Clamping Set	**1203495**	277.2	**221.76**

2208

ID Expansion™ Clamps

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

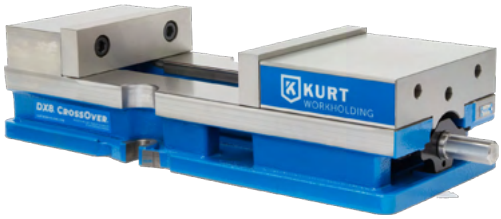


Type	Diameter	Minimum Diameter	Thread Size	Order No.	Regular Price	SALE
Xpansion Clamp	0.290"	0.160"	#2-56	**1206696**	62.58	**56.32**
Xpansion Clamp	0.490"	0.280"	#8-32	**1206703**	62.58	**56.32**
Xpansion Clamp	0.560"	0.480"	1/4"-20	**1206706**	62.58	**56.32**
Xpansion Clamp	0.790"	0.530"	5/16"-18	**1206707**	66.71	**60.05**
Xpansion Clamp	1.060"	0.710"	3/8"-16	**1206708**	86.59	**77.94**
Xpansion Clamp	1.390"	0.900"	1/2"-13	**1206710**	106.75	**96.08**
Xpansion Clamp	1.650"	1.150"	5/8"-11	**1206711**	136.85	**123.17**
Xpansion Clamp	2.030"	1.150"	5/8"-11	**1206712**	150.15	**135.14**
Xpansion Clamp	3.060"	1.150"	5/8"-11	**1206714**	258.58	**232.72**
Xpansion Clamp	4.060"	1.150"	5/8"-11	**1206715**	362.74	**326.47**

2756

KURT WORKHOLDING

DX Series Crossover™ Vises



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

Jaw Width	Jaw Opening Capacity	Jaw Height	Overall Length	Model No	Order No.	Regular Price	SALE
4"	6.5"	1.235"	12.5"	DX4	**0721735**	1098.72	**1043.78**
6"	9.08"	1.735"	16.81"	DX6	**0721736**	1125.18	**1068.93**
8"	10.63"	2.2"	24.01"	DX8	**1659998**	3182.76	**3023.62**

1291

DESTACO

Vertical Hold Down Action Clamps



- Ideal for applications requiring holding capacities up to 1,200 lbs
- Applications include assembly, drilling, testing, gluing, and other processing operations
- Oil-resistant ergonomic handle for easy operation
- 4-bar styles include spindle, flanged washer, and nuts
- Solid-bar styles include bolt retainer that can be welded to bar

Holding Capacity	Height Under Clamp Arm	Mounting Length	Mounting Width	Order No.	Regular Price	SALE
100 lbs	.63"	.63"	.94"	**0953224**	23.84	**21.46**
200 lbs	.93"	.50"	1.06"	**0953248**	24.77	**22.29**
200 lbs	.93"	.50"	1.06"	**0953250**	28.95	**26.05**
200 lbs	.93"	.50"	1.06"	**0953243**	23.93	**21.53**
375 lbs	1.25"	.75"	1.25"	**0953288**	32.38	**29.15**
375 lbs	1.25"	.75"	1.25"	**0953290**	32.27	**29.05**
375 lbs	1.25"	.75"	1.25"	**0953293**	73.3	**65.97**
600 lbs	1.67"	1.26"	1.77"	**0953312**	47.91	**43.12**
1000 lbs	1.98"	1.26"	1.77"	**0953385**	74.87	**67.38**

6158

PRM PRO

Universal Socket Toolset



- Perfect universal tool bit & socket set for unlimited applications
- Bits and socket made from chrome vanadium S2 Steel - S2 steel is stronger and longer lasting
- Universal socket has 40 spring adapted pins that auto-forms around fastener head or nut, ranging from 7-to 19mm or 9/32 to 11/16 standard
- Universal socket great helper for irregular shaped fastener bolts and nuts

Bits include: Pozi-drive, Phillips, slotted, hex, torx-star style, hex, square
Set includes: 15pcs bits: PZ2 PH2 PH3 SL5 SL6 H3 H4 H5 SQ1 SQ2 T10 T15 T20 T25 T30, CRV universal socket with 40cr pins (grip-range 7-19mm, 9/32-11/16), 2" extension & reversable Ratchet

Order No.	Regular Price	SALE
8781681	28.77	**21.57**

61293

STEELMAN

Bend-A-Light

- 3/16" Diameter bulb provides amazing brightness for tight situations
- Protective cover can be used for an extension
- On/off switch
- Batteries included



Type	Overall Length	Shaft Length	Order No.	Regular Price	SALE
Mini Pro Bend-A-Light	11"	5"	**0792694**	38.74	**32.93**
Bend-A-Light	16"	10"	**0792688**	50.44	**42.88**

43435

MORSE CUTTING TOOLS

MARXBORE Mechanics Drill Sets

List 383 - Black & Gold - 135° Point - 3/8" Reduced Shank

- Packaged in plastic clip-on index
- 29 Pcs.: 1/16" - 1/2" x 64ths



Diameter Range	Step Increments	Point Angle (SIG)	Cutting Edge Material	Coating	Order No.	Regular Price	SALE
1/16" to 1/2"	1/64"	135 Degrees	HSS	| Black Oxide | Gold Oxide |	**1074058**	352.63	**282.1**

3377

Ingersoll Rand

1/3 HP Right Angle Grinder 302B



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

Collet/Chuck	Maximum RPM	Order No.	Regular Price	SALE
1/4"	20,000	**9145166**	343	**257.25**

1168

PRICES EFFECTIVE OCTOBER 1ST THROUGH DECEMBER 31ST, 2026

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