





NOGA INTERNAL SCRAPER SET

HOLDER/ BLADE	DESCRIPTION	ORDER #	REG. PRICE	SALE PRICE
SCRAPER SET				
NG3710	Includes: (1) NG-3 handle, (1) Blade holder, (1) internal scraper D66, (1) 1.5mm hex key & set screw	99-001-137RD	\$23.92	\$21.53

INDIVIDUAL TOOLS

	D-Holder This blade holder is designed to hold D50, D66 blades. Blades are inserted into the blade holder and are locked in position by wedge action.	99-001-127RD	\$6.57	\$5.91
	D-50 H.S.S. 3mm Mini-scraper most suitable for miniature components.	99-001-187RD	10.30	9.27
	D55C Carbide 3mm Mini-scraper most suitable for miniature components.	99-000-168RD	20.18	18.16
	D-66 H.S.S. 3.2mm Internal scraper. Most useful on cross-holes.	99-001-188RD	8.88	7.99



FOR DEBURRING OF CROSS HOLES



NOGA MAGNETIC BASE & PREMIUM INDICATOR SET



- Easy to set up gages into required position.
- Magnetic Base Features:**
 - Holding power: 176 lbs.
 - Holds 6mm, 8mm, 3/8" and dovetail.
 - Metal fine adjustment.
- Noga #MG61003**
 - Bottom arm length: 5.26"
 - Top arm length: 5.24"

- Dial Indicator Features:**
 - White face.
 - 0-1" Range.
 - Graduation: .001".
 - Reading: 0-100.
 - Lug back.
- Teclock Model #AI-921**
 - Hardened and ground contact point.

Model #MG-921
ORDER #57-080-182RD
\$195⁵³ SET
Reg. Price \$217.26

ELITE PRECISION CERTIFIED IP54 SMART DIGITAL CALIPER



CERTIFIED BY AN ISO/IEC 17025:2005 LABORATORY!

- IP54 - splash water, oil, and dust resistant.
- Built-in Smart data, direct connect bluetooth device.
- Absolute sensor system.

RANGE	RESOLUTION	MODEL #	ORDER #	MFR. LIST	SALE PRICE
0 - 6" (0 - 150mm)	.0005" (.01mm)	E06.54EC	57-017-658RD	\$138.91	\$118.07

ITC 0-6" ELECTRONIC CALIPER

READ MEASUREMENTS IN INCH OR METRIC FORMAT ON A LARGE VIEWING SCREEN

- Provide you with easy readings and accurate English and Metric measurements at a fraction of the price of popular brand name calipers on the market.
- Inch/metric conversion.
- With depth gage.
- Remembers origin in the off position.
- Resolution: .0005" (.01mm)

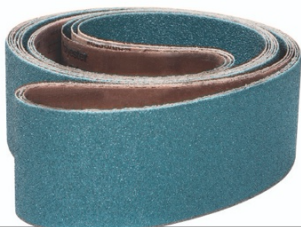
Includes:
• (1) Battery.

SAVE 20%



Model #T3506
ORDER #57-016-060RD
\$36⁹⁸ EA.
Reg. Price \$46.23

JAGUAR COATED ABRASIVES™ ZIRCONIA SANDING BELTS



- Self-sharpening characteristics.
- Aggressive stock removal with cool cut technology.
- Enhanced surface quality.
- Excellent choice for heavy stock removal applications on most metals and some woods.
- Zirconia alumina is a tough, dense abrasive grain formed by depositing zirconia in an alumina matrix.
- Continuous generation of new cutting edges and an additional lubricating layer, this product provides very high stock removal.



SIZE	GRIT	PKG. QTY.	ORDER #	MFR. LIST PER PKG.	SALE PRICE PER PKG.
1" X 42"	40	10	53-016-316RD	\$26.61	\$22.60
1" X 42"	60	10	53-016-317RD	26.50	22.50
2" X 48"	80	10	53-016-323RD	34.30	29.15

T&O 5 FLUTE 45° HELIX SUPERCEED® SOLID CARBIDE SINGLE END MILLS

TiN Or TiCN Coated • Center Cutting • Right Hand



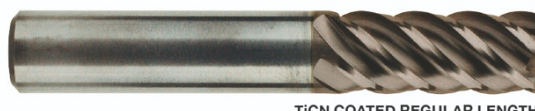
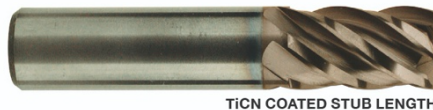
- 5 flute & 45° helix allow harmonic balance and smooth cutting.
- Designed to machine stainless steels, inconels and other alloys.
- 1/8" & smaller are non-center cutting.

SUPERCEED®
ULTRA FINE SOLID CARBIDE

OPTIMUM FOR HIGH TEMP EXOTIC ALLOYS **OPTIMUM CHOICE FOR STAINLESS**

SIZE	SHANK DIAMETER	LENGTH OF CUT	OVERALL LENGTH	TiN COATED			TiCN COATED		
				ORDER #	REG. PRICE	SALE PRICE	ORDER #	REG. PRICE	SALE PRICE
1/8"	1/8"	1/4"	1-1/2"	20-102-150RD	\$23.75	\$20.19	20-104-300RD	\$23.75	\$20.19
1/8"	1/8"	1/2"	1-1/2"	20-102-152RD	25.52	21.69	20-104-302RD	25.52	21.69
3/16"	3/16"	5/16"	2"	20-102-154RD	28.63	24.34	—	—	—
3/16"	3/16"	9/16"	2"	20-102-156RD	30.92	26.28	20-104-306RD	30.92	26.28
1/4"	1/4"	3/8"	2"	20-102-158RD	30.55	25.97	20-104-308RD	30.55	25.97
1/4"	1/4"	3/4"	2-1/2"	20-102-160RD	32.21	27.38	20-104-310RD	32.21	27.38
5/16"	5/16"	7/16"	2"	20-102-162RD	39.37	33.46	20-104-312RD	39.37	33.46
5/16"	5/16"	13/16"	2-1/2"	20-102-164RD	45.82	38.95	20-104-314RD	41.65	35.40
3/8"	3/8"	1/2"	2"	20-102-166RD	48.34	41.09	20-104-316RD	48.34	41.09
3/8"	3/8"	1"	2-1/2"	20-102-168RD	51.04	43.38	20-104-318RD	51.04	43.38
7/16"	7/16"	1"	2-3/4"	—	—	—	20-104-322RD	64.46	54.79
1/2"	1/2"	5/8"	2-1/2"	20-102-174RD	71.62	60.88	20-104-324RD	71.62	60.88
1/2"	1/2"	1-1/4"	3"	20-102-176RD	79.25	67.36	20-104-326RD	79.25	67.36
5/8"	5/8"	3/4"	3"	20-102-178RD	179.03	152.18	—	—	—
5/8"	5/8"	1-5/8"	3-1/2"	20-102-180RD	198.84	169.01	20-104-330RD	189.38	160.97

SAVE 15%



TOLERANCES:
Cutting Diameter: +.000" / - .0012"



SOLID CARBIDE 3 FLUTE 37° HELIX ZrN COATED END MILLS FOR ALUMINUM

Center Cutting



MAXIMUM METAL REMOVAL



- Advanced cutting tool geometry to prevent most failures from aluminum sticking to the carbide cutting edge.
- Flute polish for better chip evacuation & higher metal removal rates.
- Edge prep for reduced chatter.

- Open gash end for better chip evacuation.
- Higher helix for better shearing.
- ZrN coating for increased tool life & lubricity.
- Designed to machine aluminum, brass, copper and some plastics.

OPTIMUM CHOICE FOR NON-FERROUS **SOLID CARBIDE** **MADE IN USA**

SIZE	SHANK DIAMETER	FLUTE LENGTH	OVERALL LENGTH	ORDER #	REG. PRICE	SALE PRICE	SIZE	SHANK DIAMETER	FLUTE LENGTH	OVERALL LENGTH	ORDER #	REG. PRICE	SALE PRICE
1/4"	1/4"	1"	2-1/2"	28-100-020RD	\$52.47	\$41.98	1/2"	1/2"	5/8"	3"	28-100-044RD	\$96.27	\$77.02
1/4"	1/4"	1-1/4"	3"	28-100-022RD	63.73	50.98	1/2"	1/2"	1-1/4"	3"	28-100-046RD	104.46	83.57
1/4"	1/4"	2"	4"	28-100-024RD	89.92	71.94	1/2"	1/2"	1-1/2"	4"	28-100-048RD	127.13	101.70
5/16"	5/16"	13/16"	2-1/2"	28-100-028RD	54.20	43.36	1/2"	1/2"	2"	4"	28-100-050RD	135.18	108.14
5/16"	5/16"	1-1/4"	3-1/2"	28-100-030RD	83.27	66.62	5/8"	5/8"	3/4"	3-1/2"	28-100-052RD	139.06	111.25
3/8"	3/8"	1/2"	2-1/2"	28-100-032RD	61.78	49.42	5/8"	5/8"	1-5/8"	3-1/2"	28-100-054RD	152.55	122.04
3/8"	3/8"	1"	2-1/2"	28-100-034RD	69.64	55.71	5/8"	5/8"	2"	5"	28-100-056RD	216.49	173.19
3/8"	3/8"	1-1/4"	3"	28-100-036RG	82.67	66.14	3/4"	3/4"	1"	4"	28-100-058RD	201.13	160.90
3/8"	3/8"	2"	4"	28-100-038RD	113.26	90.61	3/4"	3/4"	1-5/8"	4"	28-100-060RD	213.42	170.74

DO YOU NEED...
Additional Sizes & Ball End? Please Call.



INK® MARKERS FOR DEEP HOLES

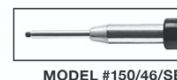
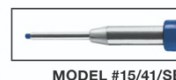
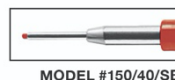
REACH WHERE OTHER MARKERS CANNOT

- For use on almost any dry work surface: stone, wood, metal, glass, rubber and more.
- Designed to provide reach in tight spaces and deep holes.
- Performs well on glossy or dusty surfaces.
- Perfect for multi-tasking and busy job sites: convenient holster cap with quiver clip makes sure the pen stays secure in any environment, and allows for quick one-handed use.
- When one side dries out, simply extend stainless steel nib with pliers and flip the wick around for a brand new writing tip.
- Easy clean up: permanent ink can be removed with alcohol and other usable solvents, making it easy leave surfaces spotless after your work is finished.



TIP CAN BE TWISTED 180° FOR A "SECOND LIFE"

- Move the telescopic nib back with pliers.
- Tear out the tip wick and turn through 180°.
- Insert the tip wick again and move the telescopic nib forward.



COLOR	MODEL #	ORDER #	REG. PRICE	SALE PRICE
Red	150/40/SB	57-079-305RD	\$8.75	\$7.00
Blue	150/41/SB	57-079-306RD	8.75	7.00
Black	150/46/SB	57-079-307RD	8.75	7.88

TTC TRANSFER PUNCH SETS (SPOTTERS)

Inch, Metric, Wire Gage & Letter Sets



- Transfers location of drilled, reamed and threaded holes.
- Rc 61-63 approximately 1-1/2" from the point.
- Heat treated & tempered.
- Length: 4-7/8"
- Punches are undersized as follows: 1mm to #40 .002" undersize, 2.5mm to 17/32" .0025" undersize, 35/64" to 2" .003" undersize, tolerance ±.0005"

DESCRIPTION	MEASUREMENT	# OF PIECES	MODEL #	ORDER #	REG. PRICE PER SET	SALE PRICE PER SET
Sizes: 3/32" - 1/2" by 64ths plus 17/32"	Inch	28	SSG-28	71-600-028RD	\$29.01	\$21.76
Sizes: 1/2" - 1" by 64ths	Inch	33	SSG-33IM	71-600-029RD	138.75	104.06
Sizes: 1.0mm - 13.0 by .5mm	Metric	25	SSGMM	71-600-030RD	33.29	24.97
Sizes: #1 - #60	Wire Gage	60	SSG1-60	71-600-031RD	48.29	36.22
Sizes: A - Z	Letter Set	26	SSG-A-Z	71-600-032RD	33.79	25.34

SAVE 25%