## **Deburring Tools**





## Heavy Duty Applications





# Heavy Duty

### NOGA BURR 3 NG1003

Will do most of your deburring jobs. INCLUDES: NG-1 handle, S10, S20 and S35 blades

### NOGA BURR 5 NG1005

Same as NG1003 with 2 extra blades. Suitable for coarse to extra fine deburring operations. INCLUDES: NG-1 handle, S10, S20, S35, S101 and S202 blades.



### SUPER BURR NG3003

For heavy duty jobs. INCLUDES: NG-3 handle, S holder, S100, S20 and S30 blades.



### EDGE OFF E01000

Disposable tool. A handy pocket clip is a standard feature of this tool. INCLUDES: S10 blade mounted in an 8 mm painted hexagonal aluminum handle.

### Nitter

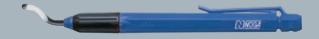
### RAPID BURR RB1000

Steel housing for long life of handle. The blade is replaceable. NCLUDES: S10 blade mounted in an 12 mm painted nexagonal aluminum handle.

### 

### PLASTIC EDGE OFF E02000

Most competitive tool. Holds all S blades (3.2mm). The blade is replaceable. INCLUDES: S10 blade and plastic handle.



### PLASTIC RAPID BURR RB1400

Holds all S blades (3.2mm). The blade is replaceable. INCLUDES: S100 blade and plastic handle.





## Heavy Duty S Blades





## Handles S Blades



### NG-1 Handle NG1000

NogaGrip-1 - holds all S blades (3.2 mm). Spare blades can be kept inside the handle. Designed for maximum comfort in your hand



### NG-3 Handle NG3000

NogaGrip-3 - holds all blade holders. Spare blades can be kept inside the handle. Desioned for maximum comfort in vour hand.



**S Holder EL02003** Holds S blades (3.2 mm). S holder telescopes from 30-115 mm. Length 131 mm.

BLADES	order no.		incl. angle (degrees)	package weight (g)	package quantity	works best on:
S10	BS1010	BEST	40	42	10	steel, aluminium and plastic
S10TiN	BS1012		40	42	10	abrasive material
S20	BS2010	L/R BEST	60	43	10	brass and cast iron
S20TiN	BS2012	L/R	60	43	10	stainless steel
S30	BS3010		40	40	10	both int. and ext. burrs
S35	BS3510	L/R BEST	55	44	10	straight edges on most materials
S60	BS6001		40	9	1	cross holes in difficult to reach places
S70	BS7001		45	8	1	straight edges and flat surfaces
S100 Cobalt	BS1018	BEST	45	42	10	plastic and hard materials
S101	BK1010		40	39	10	fine edges on all materials
S150	BK3010	BEST	45	37	10	holes as small as 1.5 mm dia.
S150 TiN	BK3112		45	37	10	holes as small as 1.5 mm dia. for long life
S202	BK2010	L/R	55	40	10	brass and cast iron fine edges

L/R - for left and right hand users.

All blades are made of H.S.S. Hardness 62-64Rc except S100 Cobalt 65-66Rc



## Heavy Duty S Blade Sets



NCLUDES: NogaGrip-1- handle - NG1000 10 pcs. S10 blades - BS1010 Economy Set NG8200 NCLUDES: NogaGrip-1- handle - NG1000 20 pcs. S10 blades - BS1010 **Cobalt Set NG8250** NCLUDES: NogaGrip-1- handle - NG1000 20 pcs. S100 blades - BS1018

ICLUDES: NogaGrip-3 - handle - NG300 S Holder EL02003





#### **Golden Set NG8152** INCLUDES: NogaGrip-1- handle - NG1000 10 pcs\_S10 TiN blades - BS1012

### **Golden Set** NG8162

INCLUDES: NogaGrip-1- handle - NG1000 10 pcs. S20 TiN blades - BS2012

### Trio Set RB3000

RB handle + S10 blade - BS1010 (red for brass & iron cast) RB handle + S100 cobalt blade - BS1018 (blue for steel & aluminium) RB handle + S150 blade - BK3010 (yellow for plastic)

### Universal Set EO2100

E0 handle + S10 blade - BS1010 (green for aluminium) E0 handle + S20 blade - BS2010 (red for brass and iron cast) E0 handle + S100 blade - BS1018 (blue for steel) E0 handle + S150 blade - BK3010 (yellow for plastic)

### Multi Blades Set BS9999

NCLODES. S10 - BS1010, S20 - BS2010, S30 - BS3010, S35 - BS3510, S60 - BS6001, S70 - BS7001, S100 Cobalt - BS1018, S101 - BK1010, S150 - BK3010, S202 - BK2010



## Light Duty Applications





## Light Duty

#### MAGIC BURR 2 NG2002

Will do most of your deburring jobs. INCLUDES: NG-2 handle, N1 and N2 blades

### MAGIC BURR 4 NG2004

Same as NG2002 with 2 extra blades for cross holes in difficult to reach places. INCLUDES: NG-2 handle, N1, N2, N3 and N6 blades.



### TEDDY BURR TB1000

Design for hard to reach locations. Blade is replaceable. Steel housing for long life of handle. NCLUDES: N1 blade mounted in an 8mm painted nexagonal aluminum handle.



### **TELE BURR** NG3002

Very popular tool. Holds 2.6 mm N blades. INCLUDES: NG-3 handle, N holder, N1 and N2 blade:



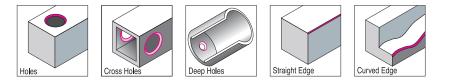


## Light Duty N Blades





## Handles N Blades



NG-2 Handle NG2000

NogaGrip-2 - holds all N blades (2.6 mm). Spare blades can be kept inside the handle. Designed for maximum comfort in your hand



### NG-3 Handle NG3000

NogaGrip-3 - holds all blade holders. Spare blades can be kept inside the handle. Designed for maximum comfort in your hand.



**N Holder EL01033** Holds N blades (2.6mm). N holder telescopes from 25-115 mm. Length 131 mm.

BLADES	order no.		incl. angle (degrees)	package weight (g)	package quantity	works best on:
N1	BN1010	BEST BEELER	40	13	10	steel, aluminium and plastic
N1 TiN	BN1012		40	13	10	abrasive material
N2	BN2010	L/R	80	14	10	brass and cast iron
N2 TiN	BN2012	L/R	80	14	10	stainless steel
N3	BN3010		50	12	10	both int. and ext. burrs
N6	BN6001		40	6	1	cross holes in difficult to reach places
N10 Cobalt	BN1310	BEST	45	13	10	plastic and hard materials

L/R - for left and right hand users.

All blades are made of H.S.S. Hardness 62-64Rc except N10 Cobalt 65-66Rc



## Light Duty N Blade Sets



#### Promo Set NG8000 INCLUDES: NogaGrip 2 handle - NG2000 10 pcs. N1 blades - BN1010

#### Economy Set NG8050 INCLUDES: NogaGrip 2 handle - NG2000 20 pcs. N1 blades - BN1010

### Cobalt Set NG8100

INCLUDES: NogaGrip 2 handle - NG2000 20 pcs. N10 cobalt blades - BN1310





### Tele Set NG8300

NogaGrip 3 handle - NG3000 1 pc. N holder - EL01033 5 pcs. N1 blades - BN1010 5 pcs. N2 blades - BN2010

### Golden Set NG8002

INCLUDES: NogaGrip 2 handle - NG2000 10 pcs. N1 TiN blades - BN1012

**Golden Set NG8402** INCLUDES: NogaGrip 2 bandle - NG2000

NogaGrip 2 handle - NG2000 10 pcs. N2 TiN blades - BN2012

#### **B10 Set SG6000** INCLUDES: NogaGrip 2 handle - NG200 20 pcs. B10 blades - BN131



### Countersink







# Heavy Duty

### **COUNTERSINK** NG3100

The standard tool for countersinking. Useful for chamfering deep holes. INCLUDES: NG-3 handle, C holder and C20 countersink (20 mm)



### HEAVY DUTY ROTODRIVE NG3400

40 mm displacement allows for heavy duty burrs to be removed. Continuous rotation of countersink enables very fast chamfering.

INCLUDES: NG-3 handle, H.D. cranked RotoDrive holder and C20 countersink (20 mm).



### HEAVY DUTY EXTERNAL ROTODRIVE NG3500

Chamfers the O.D. on bars and tubes. Range: 8-28 mm. INCLUDES: NG-3 handle, H.D. external RotoDrive holder and EX28 countersink.



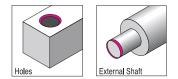


### Countersink C Blades





## Handles C Blades



Work best on steel, aluminum and plastic. TiN coated blades have a vastly extended blade life package angle package range **BLADES** order no. (mm) (degrees) weight (g) quantity **C12** BC1211 90 24 1-12 1 **C20** BC2011 3-20 90 28 1 C20TiN BC2012 3-20 90 25 1 **C30** BC3011 3-30 90 53 1 **EX28** EX3001 8-28 90 17 1

#### All blades are made of H.S.S. Hardness 62-64Rc

### H.D. Ex. Rotodrive Holder EL0902

H.D. Rotodrive Holder EL0802



thread to hold:

NG-3 Handle NG3000



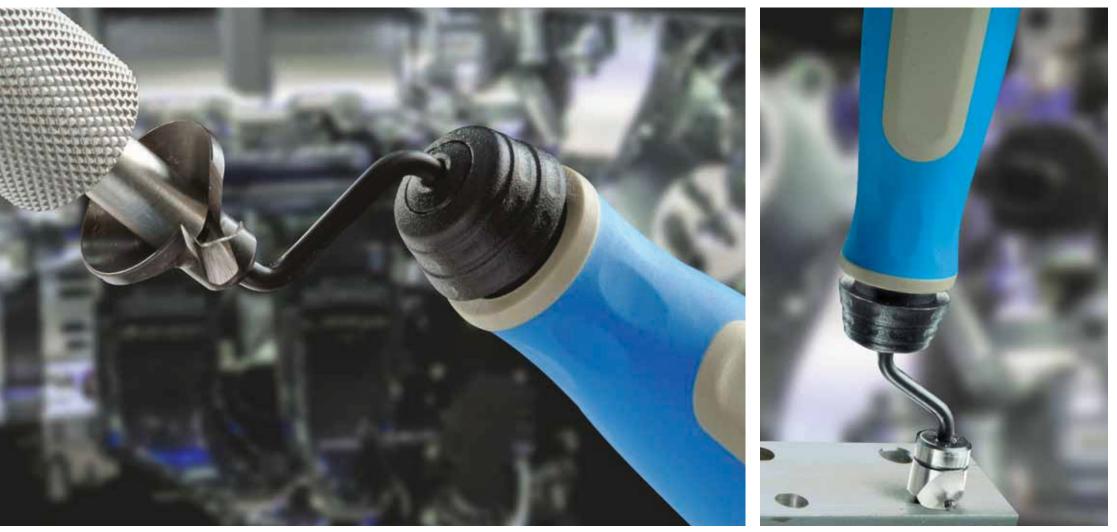
### C Holder CH3000

Holds C12, C20 and C30 countersinks. M7 external thread. Has a hexagonal cross section to prevent rotating inside handle. Length 131 mm.





### **Countersink Rotodrive**





### Classic Rotodrive

### **ROTODRIVE** NG1200

The quickest way to chamfer. Single flute countersink provides a smoother cut. Range: 1-10.4 mm. INCLUDES: NG-1 handle and Rotodrive RD 10.4 countersink.



### **ROTODRIVE** NG1107

The quickest way to chamfer. Single flute countersink provides a smoother cut. Range: 1-20 mm. INCLUDES: NG-1 handle and Rotodrive RD 20 countersink.



### EXTERNAL ROTODRIVE NG1700

Chamfers the O.D. on bars and tubes. Quickest way to chamfer O.D. on most materials. Range: 4-18 mm. INCLUDES: NG-1 handle and Rotodrive EX 18 countersink.



### QUICK CONNECT ROTODRIVE NG1800

Quick connection to the tool blade holder. The quickest way to chamfer by hand. Single Flute Countersink provides a smoother cut. Range: 3-25 mm. INCLUDES: NG-1 handle, cranked quick connect holder CH3300 and countersink blade BC 2511.



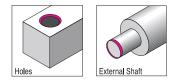


### Countersink RD Blades





## Handles RD Blades



Work best on steel, aluminum and plastic. TiN coated blades have a vastly extended blade life package angle package range **BLADES** order no. (mm) (degrees) weight (g) quantity **RD3.2** BC3201 0-3 90 9 1 **RD6.3** BC6301 1-6.3 90 9 **RD8.3** BC8301 1-8.3 90 11 1 **Cranked Quick Connect Holder RD10.4** BC1041 1 - 10.490 14 **RD10.4 TiN** BC1044 1-10.4 90 15 1 **RD16.5** 33 BC1651 1-16.5 90 **RD20** BC2201 90 44 1-20 1 \*RD25 BC2511 3-25 90 44 1 **EX18** EX2001 4-18 90 15 1 \* will fit holder CH3300 only. All blades are made of H.S.S. Hardness 62-64Rc



CH3300

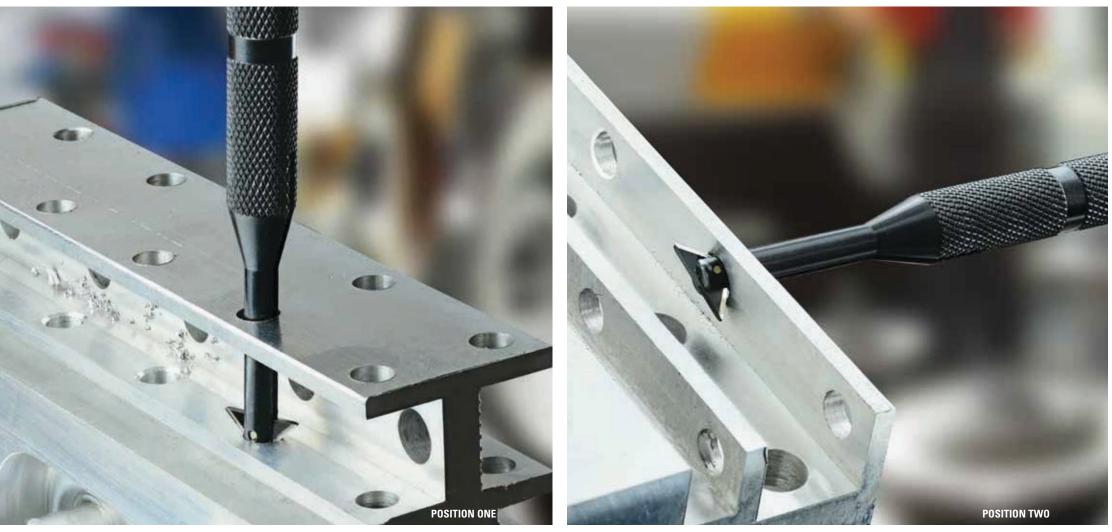
NG-1 Handle NG1000

**NEW DESIGN CONCEPT** 



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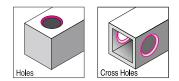
### **Countersink Reversible**





## Handles

## R Blades



### MINI REVERSIBLE RC1000

Very fine tool for deburring both back and front sides holes Range: 3-5.5 mm. INCLUDES: Steel handle, R1 blade.



#### MEDIUM REVERSIBLE RC2000 Range: 5-10 mm.

NCLUDES: Steel handle, R2 blade



### LARGE REVERSIBLE RC2200

Range: 10-22 mm. INCLUDES: Steel handle, R3 blade.

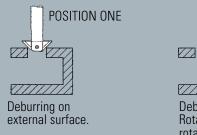


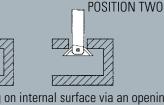
BLADES	order no.		angle (degrees)	range (mm)	package weight (g)	package quantity
R1	BR1001	v	90	3-5.5	4	1
R2	BR2001	▼	90	5-10	5	1
R3	BR3001		90	10-22	6	1

All blades supplied with replacement screw

All blades are made of H.S.S. Hardness 62-64Rc

### **BLADE POSITION OPTIONS**





Deburring on internal surface via an opening. Rotate blade 90° from position one, enter opening, rotate again the blade another 90°.

TO REPLACE THE BLADE. The aluminium part at top of each handle conceals a suitable allen key. Pull it from the handle and use the key to remove and replace blade.



### **Countersink Sets**



pc. 10.4 countersink blade -BC104



#### **Quick Connect Countersink Set** NG1810 INCLUDES:

NogaGrip 1 handle - NG1000 1 pc. cranked quick connect holder - CH3300 1 pc. RD25 int. countersink blade - BC2511 1 pc. FX28 ex. countersink blade - FX3001





#### **Countersink Power Tool Set CS7000** INCLUDES:

pc. connector for internal countersink - CH1950 pc. connector for external countersink - CH1970 pc. C12 int. countersink blade - BC1211 pc. C20 int. countersink blade - BC2011 pc. C30 int. countersink blade - BC3011 pc. EX28 ex. countersink blade - EX3001



### Reversible Countersink Set RC3300

1 pc. Reversible RC1000 1 pc. Reversible RC1000 1 pc. Reversible RC2000 1 pc. Reversible RC2200









## Adjustable Scrapers

R]NOGA

### MINI SCRAPER YT1100

**SCRAPER** YT1200

The best mini scraper for tool and die makers. INCLUDES: YT handle and D75 HSS triangular mini scraper blade.

### SCRAPER SC8000

deal for scraping, trimming and deburring most materials NCLUDES: SC handle and T80 double ended medium triangular scraper blade.

### NADGA

### HEAVY DUTY SCRAPER SC1500

deal for scraping, trimming and deburring most heavy luty materials. NCLUDES: H.D. SC handle and T120 double ended riangular scraper blade.

### MINI SCRAPER NG3700

Ideal for tool and die makers. INCLUDES: NG-3 handle, D holder, D50 triangular mini scraper blade and a allen key.



### TRIANGULAR SCRAPER NG3610

Ideal for standard scraping INCLUDES: NG-3 handle, TN holder and T60 scraper.



#### **INTERNAL SCRAPER** NG3710

Ideal for cross-holes deburring. INCLUDES: NG-3 handle, D holder, D66 internal scraper blade and allen kev.





HEAVY DU

al for scraping, trimming and deburring most iterials.

INCLUDES: YT handle and T80 double ended medium triangular scraper blade.

## Scraper Blades





#### Handles D and T Blades Heles D and T Blades

#### NG-3 Handle NG3000

NogaGrip-3 - holds all blade holders. Designed for maximum comfort in your hand.



### YT Handle YT1000

The perfect grip for Noga adjustable scrapers, needle files, pins and drills. Range: 2.2-4.5mm



### SC Handle SC1300

Hexangonal black anodized 12 mm diameter handle with knurled locking collar for blade extension control. - holds D50, D66, D75, D77 and T80 scraper blades. Length 120 mm.

NN064

### H.D. SC Handle SC1400

Hexangonal black anodized 14 mm diameter handle with knurled locking collar for blade extension control. Holds T120 scraper blade and screw bits. Length 130 mm.

[N]NOGA

BLADES	order no.		width x length (mm)	angle (degrees)	package weight (g)	package quantity
D50	BD5010		2.5 x 50	60	37	10
D50TiN	BD5012		2.5 x 50	60	37	10
D55 Carbide	BD5501		2.5 x 50	60	9	1
D66	BD6610		2.7 x 50	50	44	10
D75	BD7501		2.5 x 75	60	8	1
D77	BD7701	/	2.7 x 75	50	9	1
T40	BT4001		4.2 x 40	60	7	1
T60	BT6001		7.4 x 60	60	11	1
T80	BT8001		4.2 x 80	60	11	1
T120	BT1200		7.4 x 120	60	24	1

All blades are made of H.S.S. Hardness 62-64Rc, except D55 Carbide 1400-1700 HV and T80, T120 CR115 58-60Rc

### **D Holder** EL05003

Holds D scraper blades. A 3 mm setscrew - holds the blade in position. Allen key included. Length 131 mm.

### TN Holder EL0608 Holds T40 and T60 scraper bla

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## Double Edge Cutting





## Double Edge Cutting

### NOGA KEYWAY-BURR NG3300

Efficiently removes burrs from internal and external keyways. Range: 2.4-11 mm. NCLUDES: NG-3 handle, K holder and N80K blade.

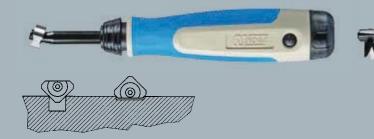
### NOGA V CUT NG3200

or deburring sheet metal. Range: 1-8 mm. NCLUDES: NG-3 handle, L holder and L3 blade

### NOGA MINI CUT NG3220

Hallout

Used for deburring small ridges in difficult to reach olaces. Range: 0-2.5 mm NCLUDES: NG-3 handle, L holder and L4 blade.



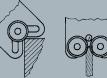
### NOGA O-RING BURR NG1100

Removes burrs from internal O-ring grooves. Range 0-3 mm (groove width). INCLUDES: NG-1 handle and O-ring blade.



### NOGA DOUBLE-BURR DB1000

Simultaneously removes burrs from both sides of sheet netal. DB handle with safety guard to protect your nand. Unique round cutting blades can be rotated and eversed for long life. For corners, use one blade only. Range: 0-12mm. NCLUDES: DB handle, nandguard and two



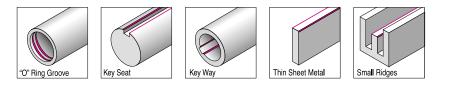


## **Double Edge Cutting Blades**





## Handles Blades



NogaGrip-1 - holds all blades (3.2mm). Designed for maximum comfort in your hand.

NG-1 Handle NG1000

**NG-3 Handle NG3000** NogaGrip-3 - holds all blade holders. Designed for maximum comfort in your hand



K Holder EL04003 Holds K blades with M3 screw. Length 135 mm

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**L Holder EL07013** Holds L blades . Blades are held in a 3m square hole and tightened with a 4 mm setscrew. Length 131 mm.

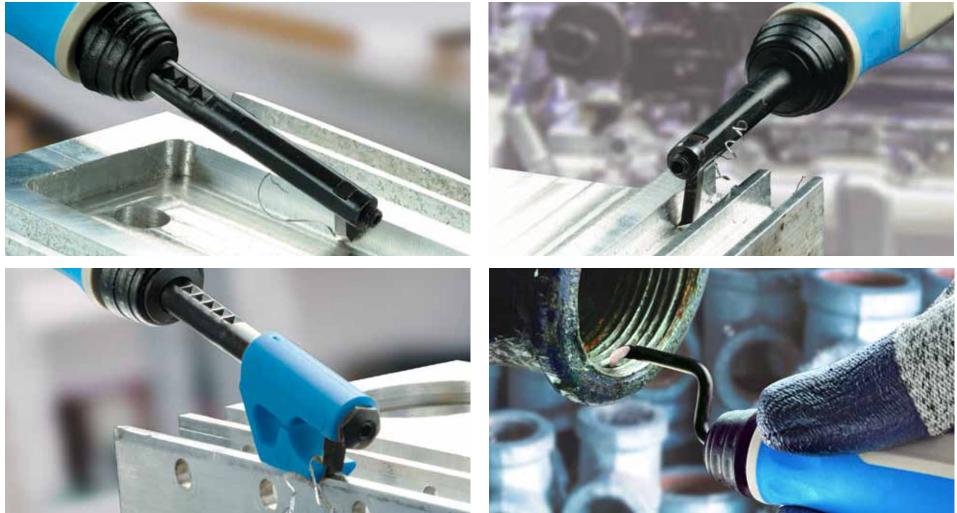
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angle package package range **BLADES** order no. (mm) (degrees) weight (g) quantity N80 BN8010 0-12 55 34 10 N80M42 BN8043 0-12 55 32 10 O N70K BN7001 1.2-8 55 5 1 **N80K** 2.4-11 55 31 10 BN8110 N80KM42 2.4-11 55 29 10 BN8143 **N90K** BN9009 • 3-15 55 8 1 L3 BL3001 1-8 50 6 1 L4 BL4001 0.5-2.5 50 6 1 0-Ring 1-3 9 B01001 40 1

All blades are made of H.S.S. Hardness 62-64Rc except N80M42 and N80KM42, 66-68Rc



## Single Edge Cutting





# Single Edge Cutting



NG-1 Handle NG1000



NG-3 Handle NG3000



### L Holder EL07013



TC Blade BC1001

### NOGA CORNER CLEANER NG3230



NOGA THREAD CLEANER NG1600

BL7001

L1

L5

L6

L7



#### angle package package **BLADES** works best on: order no. (degrees) weight (g) quantity BL1001 steel and aluminium 5 45 1 65 5 1 slots from 3.5 mm BL5001 6 50 BL6001 1 sharp corners

50

Double ended

6

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**NOGA SLOT CLEANER** NG3210



### **NOGA LEADER** NG3800



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II blades are made of H.S.S. Hardness 6	2-64Rc

slots from 3.5 mm.



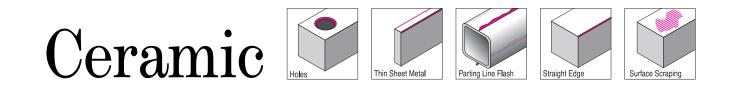
## **Ceramic Applications**











# NOGA SOFT CUT TOOL NC5100

### NOGA HARD CUT TOOL NC5200



# NOGA CERA-CUT CR1100

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# CONVEXED CERA-CUT CR2000

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### **CONCAVED CERA-CUT** CR2300



## MINI CERAMIC CR1500

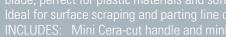
**CERAMIC DOUBLE BURR** DB5000

ADJUSTABLE MINI SCRAPER CR4100

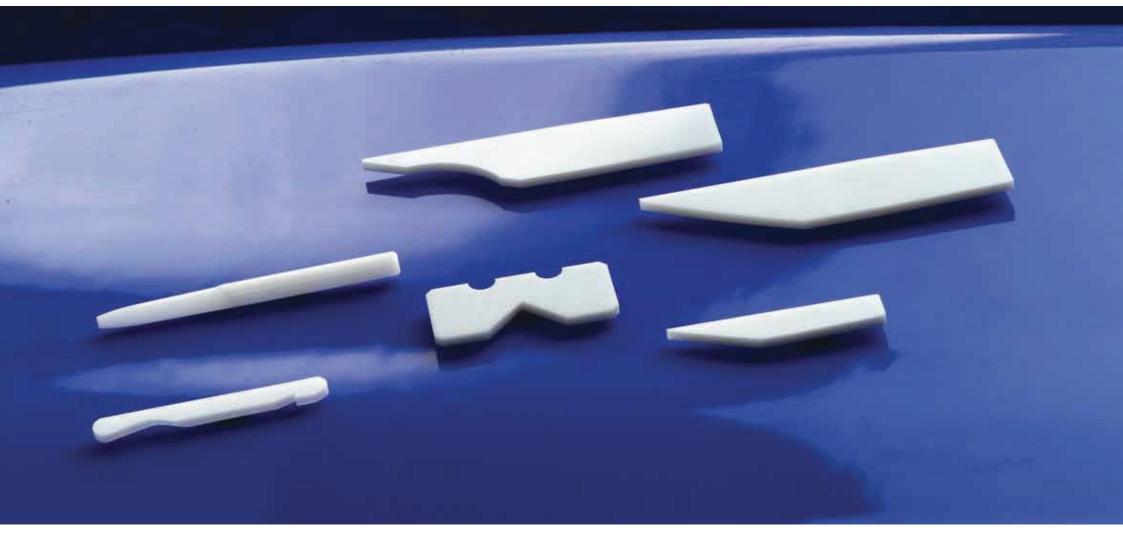






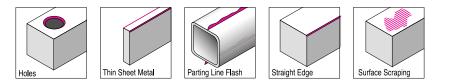


# Ceramic CR Blades





# Handles Blades



Noga-Cut Handle NC5000 Noga-Cut - ONLY - holds Noga-Cut blades CR6000 and CR6100.



# Cera-Cut Handle CR2100

A unique plastic handle that holds the blade by its self-gripping taper. Storage space for spare blades.

**Ceramic Mini Handle CR1400** A unique plastic handle that holds the blade by its self-gripping taper. Storage space for spare blades.



**Ceramic Mini Scraper Handle** YT 10004

BLADES	order no.		angle (degrees)	package weight (g)	package quantity	applications:
Convexed	CR2200		90	12	1	surface cleaning and parting line deflashing
Concaved	CR2500		90	11	1	curved edges and small ridges
Mini Convexed	CR1550		90	2	1	surface cleaning, trimming on small parts deburring and parting line deflashing
Mini Scraper	CR4500	Dimensions: 3.1 x 50mm	90	7	1	surface scraping and parting line deflashing
Soft Cut	CR6000		65	6	1	deburring soft abrasive plastics
Hard Cut	CR6100		75	6	1	deburring hard abrasive plastics
V-Shaped	CR5100		90	8	1	double edge burr removal

All blades are made of Ceramic 1250HV



# Handles Blade Placement

NogaCut Handle NC5000<br/>NogaCut - ONLY - holds NogaCut blades<br/>CR6000 and CR6100.To insert blade<br/>i is in the second of the blade into aperture.To replace blade<br/>i is into aperture.Cera-Cut Handle CR2100<br/>A unique plastic handle that holds the blade by its<br/>self-gripping taper. Storage space for spare blades.To remove blade<br/>i is insert point into<br/>hole and turn 90°. Release blade.To insert blade<br/>i is insert blade into aperture into<br/>i insert blade into aperture into<br/>i insert blade into aperture.To insert blade<br/>i is insert blade



# Ceramic Sets



# Noga Cera-Cut Set CR3000

Cera-Cut handle - CR2100 1 pc. NogaCut Convexed blade - CR2200 1 pc. NogaCut Concaved blade - CR2500



### **NogaCut Set CR5500** Includes: NogaCut handle - NC5000 5 pcs. Noga Soft Cut blades 65° - CR6000 5 pcs. Noga Hard Cut blades 75° - CR610



# The Set Range

## THE PLATINUM SET NG9500

The most suitable collection of **Deburring Tools** required for tool and die maker specialists.



# THE GOLD SET NG9400

The complete collection of **Deburring Tools** required for professional machinists.



INCLUDES: **Tools** Adjustable Scraper SC8000 **Holders** S Holder EL02003 N Holder EL01033 C Holder CH3000 D Holder EL05003 K Holder EL05003 **Handles** NG-3, EO plastic handle **Blades** S10, S20, S30, S150, N1, N2, C20, D50, D66, N10, C 10, D50, D66,



### THE NOGA SET SP7700

The 7 most popular **Deburring Tools** you will need to carry for any deburring application.

# Tools

# THE NOGA AGENT SET SK1000

NCLUDES:

**Tools** DB1000, DB5000, E01000, CR1100, SC8000, RC1000, RC2000, RC2200.

Holders S Holder, N Holder, C Holder, D H

H.D. Roldarive, H.D. Ext. Roldarive, K Holder, L Holder.

Handles NG-1, NG-2, NG-3, CR, RB, TB.

**S Blades - 3.2 mm** S10, S10TiN, S10 Carbide, S20, S30, S35, S60, S70, S80, S101, S150, S202. O-Ring, Thread Cleaner.

N Blades - 2.6 mm

N1, N1TiN, N1 Diamond, N1 Carbide, N2, N2TiN, N2 Carbide, N3, N6, N10. Cranked Countersinks

**Lranked Countersinks** RD3.2, RD6.3, RD8.3, RD10.4, RD16.5.

Countersinks C12, C20, C30.

**External Countersinks** EX18, EX28.

Scrapers D50, D55 Carbide, D66, D75, D77. Double Edged Cutting Blades N70K, N80K, N90K, L3, L4.

**Ceramic Blades** CR2200, CR2500.



# Kits





# The Mini Range

# NOGA TROUBLE SHOOTER SET SP1010

Compact set. Suitable for deburring, scraping and countersinking.



INCLUDES: Handle Short RB handle Blades S20, S100, S150, RD16 RDE18 and D50

# **NOGA 007 SET** SP1007

Ideal for maintenance operator. Used for deburring, cleaning, finishing and countersinking.



INCLUDES: Handle Short RB handle Blades S20, S150, RD16.5, RDE18, O-ring and TC

# FINE MINI SET FT3000

The handymans mini set for deburring, scraping and countersinking.

### INCLUDES:

FT10001 - S150 blade. FT11001 - D50 scraper blade. FT12001 - 3.2mm countersink blade. Blades are not replaceable.

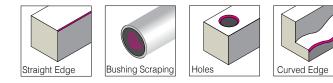
# THE RAPID BURR MAGIC SET

RB4000 The Rapid Burr handle can hold either rotating or fixed blades. INCLUDES: RB handle Blades: S10 and D50



# Specialty Tools

Opening lever



# **MULTIBURR** RG1000

The handy universal deburring set with multipurpose blades will help you produce a perfect finish for a wide variety of jobs.

This innovative tool set has 4 folding shafts which can be easily locked into position for the duration of the work and then folded neatly back into the handle allowing the tool to be carried simply anywhere.

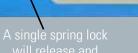
### S10 Blade

Works best on steel, aluminum and plastic **D50 Scraper Blade** 

Ideal for tool and die makers

**10.4 mm Rotodrive Countersink Blade** Quickest way to chamfer. Range 1-10.4 mm

N2 Blade Works best on brass and cast iro



/N/2002

Each tool has a separate lever which enables the opening of the unit











# NON SCRATCH NG1910

Removing burrs from workpieces may sometimes leave unsightly scratches, Noga's NG-1 handle with the NEW non scratch blade with safety cap will prevent friction therefore eliminating scratches. Works best on steel, aluminum and plastic materials.

INCLUDES: NG-1 handle and S91 blade.



Non Scratch HSS Blade with safety cap BS9110 Plastic safety cap will protect workpiece surface from scratches.





# Specialty Tools





# SOFT GRIP SG1000

Ergonomically designed handle for ease of use. At front end 2 holes can take both S and N blades.





# SG handle, S100 and N10 Cobalt blades.

- TO INSERT BLADE
  Hold handle in left and blade right hand.
  Push blade in and simultaneously turn blade CW.

### TO REMOVE BLADE



# **UNIVERSAL HANDY CHUCK HOLDER** PV1000











# LIZA BURR LB1000

Double end blade holder to utilize both N and S blades. Telescopes from: 20-110 mm with N blades 20-94 mm with S blades.



INCLUDES: UNI handle, SN holder, N1 and N2 blades.

SCRAPER SC1000

Double end scraper for longer tool life. Can be locked in required position.



INCLUDES: UNI handle and T120 double ended triangular scraper.



# Specialty S Blades

BLADES	order no.		works best on:	
S10 Carbide	BS1016		hardened steel and plastic	
S10 Diamond	BS1014		glass and ceramics	
S10 LH	BS1011		steel, aluminium and plastic	
S10 LH TiN	BS1013	Ш	steel, aluminium and plastic. For long life.	
S100 TiN	BS1019		stainless steel and plastic. For long life.	
S20 Carbide	BS2015	L/R	hardened materials and plastic	
S101 LH	BK1011	LH	fine edges on all materials.	
S101 TiN	BK1012		fine edges on all materials. For long life.	
S30 TiN	BS3003		both int. and external burrs. For long life.	
S60 TiN	BS6003		cross holes in difficult to reach places. For long life.	
S80	BS8001		shallow steps	
S80 TiN	BS8003		shallow steps. For long life.	
S1500	BS1510		special blade for deburring rubeber and soft materials	
LH - for left hand users. L/R - for left and right hand users. Blades are made of H.S.S. Hardness 62-64Rc, except S10 and S20 Carbide blades 1400-1700 HV				

and S100 Cobalt 65-66Rc.



# Specialty N Blades



BLADES	order no.		works best on:
N1 Carbide	BN1029		hardened steel and special plastics
N1 Diamond	BN1028		glass and ceramics
N1 LH	BN1026	LH	steel, aluminum and plastic
N1 LH TiN	BN1027	LH 🔨	steel, aluminum and plastic. For long life.
N2 Carbide	BN2031	L/R	hardened steel and hard plastic

LH - for left hand users. L/R - for left and right hand users. Blades are made of H.S.S. Hardness 62-64Rc, except N1 and N2 Carbide blades 1400-1700 HV.



Shallow Steps