

# Noga Head Office



## **NOGA ENGINEERING & TECHNOLOGY (2008) LTD**

Noga Engineering and Technology was established in 1980. Over the years the company has grown to become the world leader in the manufacturing of three main lines:

**Deburring Systems** ■ **Holding Systems** ■ **Cutting Fluid Applicators** ■

Noga's strongest points are product design and development, quality and service. Our products are sold in more than 60 countries either through our own companies or a network of exclusive agents.

All NOGA products meet the strict requirements of ISO 9001 and ISO 14001.

We invite you to visit our web site: [www.noga.com](http://www.noga.com) for further information.

NOGA reserves the right to make changes in any of its products without prior notice.

© Copyright NOGA Engineering & Technology (2008) Ltd.

## **WARNINGS**



- Blades are sharp and can cut.
- Blades can break causing flying shards.
- Sharp edges and flying shards can cause injury.
- Wear safety goggles (both user and bystanders).
- Do not pry or bend blades.
- Keep away from children.
- Do not regrind blades.

All rights reserved. No part of this publication may be reproduced, transcribed, stored in an electronic retrieval system, translated into any language or computer language, or be transmitted in any form whatsoever without the prior written consent of the publisher.

**NOGA**  
*simply sophisticated*



# Deburring Systems

HEAVY DUTY	3-8	CERAMIC	39-44
LIGHT DUTY	9-14	SETS & KITS	45-50
COUNTERSINKS	15-26	SPECIALTY TOOLS	51-54
SCRAPERS	27-30	SPECIALTY BLADES	55-56
DIAMOND FILES	31-32	CHIP HOOKS	57-59
DOUBLE-EDGE	33-36	PLUMBING	60-65
SINGLE EDGE	37-38		

**INDEX**

**66**

# Deburring Tools



**NOGA**  
*simply sophisticated*



# Contents

## HEAVY DUTY 3-8

Noga Burr 3  
Noga Burr 5  
Super Burr  
Edge Off  
Rapid Burr  
Plastic Edge Off  
Plastic Rapid Burr  
NogaGrip 1 Handle  
NogaGrip 3 Handle  
S Holder  
S Blades  
Heavy Duty S Blade Sets

H.D. Rotodrive Holder  
H.D. Ex. Rotodrive Holder  
C Holder  
C Blades  
Rotodrives  
Ex. Rotodrive  
Quick Connect Rotodrive  
NG-1 Handle  
Cranked Quick Connect Holder  
RD Blades  
Reversible Countersinks  
Mini Reversible  
Medium Reversible  
Large Reversible  
R Blades  
Countersink Sets

## LIGHT DUTY 9-14

Magic Burr 2  
Magic Burr 4  
Tele Burr  
TeddyBurr  
NogaGrip 2 Handle  
NogaGrip 3 Handle  
N Holder  
N Blades  
Light Duty N Blade Sets

## SCRAPERS 27-30

Mini Scraper YT  
Scraper YT  
Scraper  
H.D. Scraper  
Mini Scraper NG  
Internal Scraper  
Triangular Scraper  
NogaGrip 3 Handle  
YT Handle  
SC Handle  
D Holder  
TN Holder  
D and T Blades

## DIAMOND FILES 31-32

YT Handle  
DT Blades  
YT Sets

## DOUBLE EDGE 33-36

Keyway Burr  
Noga O-Ring  
Noga V Cut  
Noga Mini Cut  
Double Burr  
NogaGrip 1 Handle  
NogaGrip 3 Handle  
K Holder  
L Holder  
N & L Blades and O-Ring

## SINGLE EDGE 37-38

Corner Cleaner  
Thread Cleaner  
Slot Cleaner  
Leader  
NogaGrip 1 Handle  
NogaGrip 3 Handle  
L Holder  
L & TC Blades

## CERAMICS 39-44

Noga Soft Cut  
Noga Hard Cut  
Noga Cera-Cut

## SPECIALTY TOOLS 51-54

Multi Burr  
Non Scratch  
Non Scratch Blade  
Soft Grip  
Universal Handy Chuck Holder  
Liza Burr  
Scraper

## SPECIALTY BLADES 55-56

S Blades  
N Blades

## CHIP HOOKS 57-59

Chip Hook Fixed  
Chip Hook Fixed with Shovel  
Chip Hook Set  
Chip Hook Modular  
Chip Hook Modular with Shovel

## PLUMBING 60-65

Spider Burr  
Inner-Outer Reamer for Plastic  
Inner-Outer Reamer for Steel  
Inner-Outer Reamer for Soft Metals  
Edge-Off  
Rapid Burr  
Noga Burr 1, 3

Convexed Cera-Cut  
Concaved Cera-Cut  
Mini Ceramic  
Adjustable mini Ceramic  
Ceramic Double Burr  
Noga-Cut Handle  
Cera-Cut Handle  
Ceramic Mini handle  
Ceramic Mini Scraper  
CR Blades  
Ceramic Sets

## SETS & KITS 45-50

The Platinum Set  
The Gold Set  
Noga Set  
The Agent Set  
Silver Unikit  
Bronze Unikit  
The Mini Kit  
Trouble Shooter Set  
Noga 007  
Fine Mini Set  
Rapid Burr Magic Set  
The Counter Display  
Noga Burr Display  
Popular Tools Display  
Tool and Blade Collection

# Heavy Duty Applications



**NOGA**  
*simply sophisticated*



# 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 EO1000**

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.



## **RAPID BURR RB1000**

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



## **PLASTIC EDGE OFF EO2000**

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



**NOGA**  
*simply sophisticated*



# Handles

## 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.  
Designed for maximum comfort in your hand.

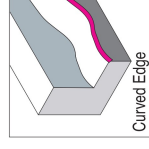
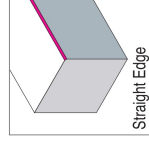
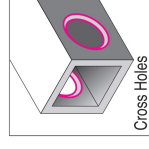
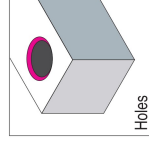


## S Holder EL02003

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



# S Blades



## BLADES

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



## Promo Set NG8150

INCLUDES:  
 NogaGrip-1 - handle - NG1000  
 10 pcs. S10 blades - BS1010



## Economy Set NG8200

INCLUDES:  
 NogaGrip-1 - handle - NG1000  
 20 pcs. S10 blades - BS1010



## Cobalt Set NG8250

INCLUDES:  
 NogaGrip-1 - handle - NG1000  
 20 pcs. S100 blades - BS1018



## Tele Set NG8350

INCLUDES:  
 NogaGrip-3 - handle - NG3000  
 S Holder EL02003  
 5 pcs. S10 blades - BS1010  
 5 pcs. S20 blades - BS2010





### 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



### Universal Set E02100

INCLUDES:  
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)



### Trio Set RB3000

INCLUDES:  
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)



### Multi Blades Set BS9999

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

# Light Duty Applications



**NOGA**  
*simply sophisticated*



# 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.



## TELE BURR NG3002

Very popular tool. Holds 2.6 mm N blades.

INCLUDES: NG-3 handle, N holder, N1 and N2 blades.



## TEDDY BURR TB1000

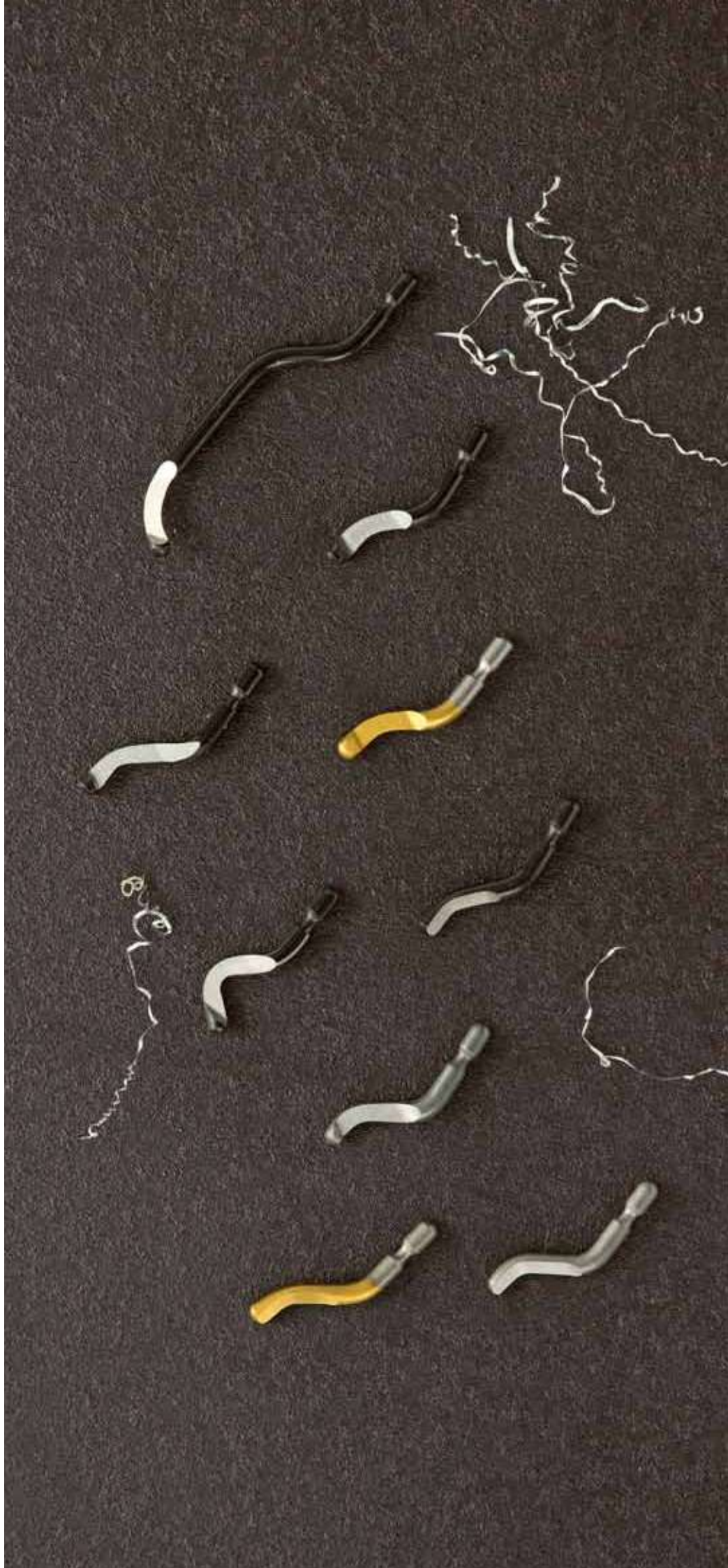
Design for hard to reach locations. Blade is replaceable.

Steel housing for long life of handle.

INCLUDES: N1 blade mounted in an 8mm painted hexagonal aluminum handle.



# Light Duty N Blades



**NOGA**  
*simply sophisticated*



# 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:
<b>N1</b>	BN1010	40	13	10	steel, aluminium and plastic
<b>N1 TiN</b>	BN1012	40	13	10	abrasive material
<b>N2</b>	BN2010	80	14	10	brass and cast iron
<b>N2 TiN</b>	BN2012	80	14	10	stainless steel
<b>N3</b>	BN3010	50	12	10	both int. and ext. burrs
<b>N6</b>	BN6001	40	6	1	cross holes in difficult to reach places
<b>N10 Cobalt</b>	BN1310	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

INCLUDES:  
 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 handle - NG2000  
 10 pcs. N2 TIN blades - BN2012



### B10 Set SG6000

INCLUDES:  
 NogaGrip 2 handle - NG2000  
 20 pcs. B10 blades - BN1311

# 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

## NG-3 Handle NG3000

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



## H.D. Rotodrive Holder EL0802

Heavy duty cranked holder. External M7 thread to hold: C12, C20 and C30 countersinks  
Working dia. 80 mm



## H.D. Ex. Rotodrive Holder EL0902

Heavy duty cranked holder. Accepts EX28 external countersink.  
Working dia. 80 mm



# C Blades

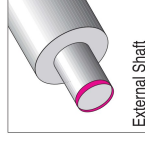
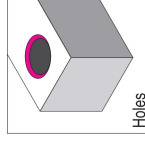
Work best on steel, aluminum and plastic. TiN coated blades have a vastly extended blade life

BLADES	order no.		range (mm)	angle (degrees)	package weight (g)	package quantity
<b>C12</b>	BC1211		1-12	90	24	1
<b>C20</b>	BC2011		3-20	90	28	1
<b>C20TiN</b>	BC2012		3-20	90	25	1
<b>C30</b>	BC3011		3-30	90	53	1
<b>EX28</b>	EX3001		8-28	90	17	1

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

## 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

**NG-1 Handle NG1000**  
 NogaGrip-1 - holds all S blades (3.2mm).  
 Designed for maximum comfort in your hand.



**Cranked Quick Connect Holder**  
**CH3300**  
 3.2 mm shank













**NEW DESIGN CONCEPT**  
 Quick connect countersink blade



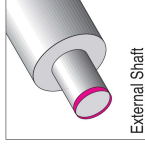
# RD Blades

Work best on steel, aluminum and plastic. TiN coated blades have a vastly extended blade life

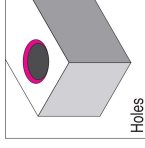
<b>BLADES</b>	order no.		range (mm)	angle (degrees)	package weight (g)	package quantity
<b>RD3.2</b>	BC3201		0-3	90	9	1
<b>RD6.3</b>	BC6301		1-6.3	90	9	1
<b>RD8.3</b>	BC8301		1-8.3	90	11	1
<b>RD10.4</b>	BC1041		1-10.4	90	14	1
<b>RD10.4 TiN</b>	BC1044		1-10.4	90	15	1
<b>RD16.5</b>	BC1651		1-16.5	90	33	1
<b>RD20</b>	BC2201		1-20	90	44	1
<b>*RD25</b>	BC2511		3-25	90	44	1
<b>EX18</b>	EX2001		4-18	90	15	1

\* will fit holder **CH3300** only.

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



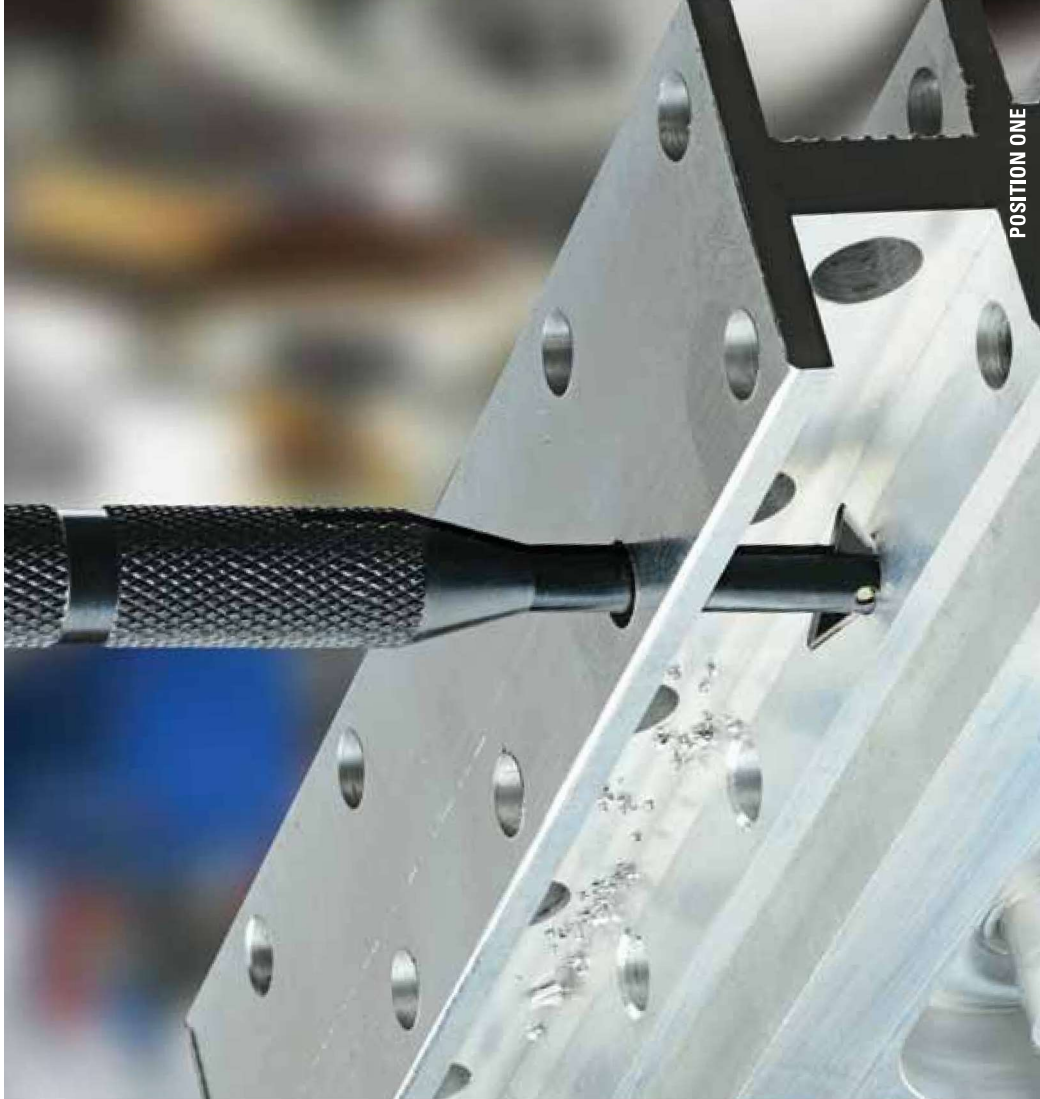
External Shaft



Holes



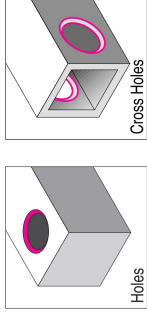
# Countersink Reversible



**NOGA**  
*simply sophisticated*

# 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.

INCLUDES: Steel handle, R2 blade.



## LARGE REVERSIBLE RC2200

Range: 10-22 mm.

INCLUDES: Steel handle, R3 blade.



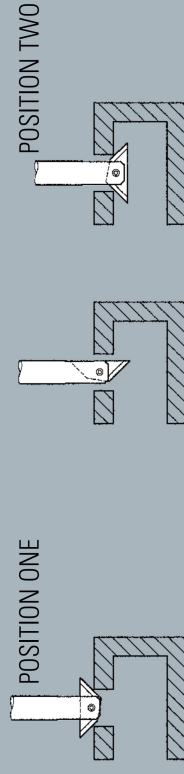
## BLADES

	order no.	angle (degrees)	range (mm)	package weight (g)	package quantity
<b>R1</b>	BR1001	90	3-5.5	4	1
<b>R2</b>	BR2001	90	5-10	5	1
<b>R3</b>	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 external surface.

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



## Rotodrive Countersink Set

RD2010

INCLUDES:

- NogaGrip 1 handle - NG1000
- 1 pc. S10 blade - BS1010
- 1 pc. 3.2 countersink blade - BC3201
- 1 pc. 6.3 countersink blade - BC6301
- 1 pc. 8.3 countersink blade - BC8301
- 1 pc. 10.4 countersink blade - BC1041



## 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. EX28 ex. countersink blade - EX3001





### Reversible Countersink Set RC3300

INCLUDES:

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

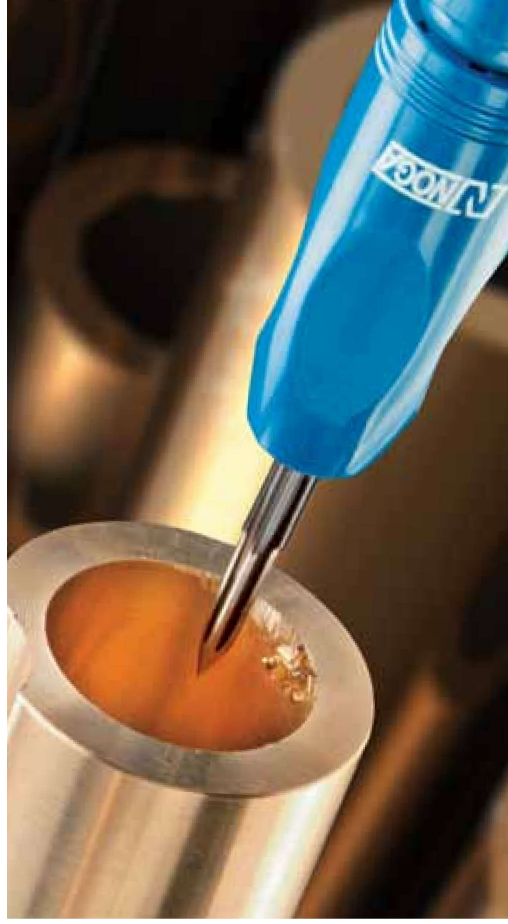


### Countersink Power Tool Set CS7000

INCLUDES:

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

# Scrapers



**[N]NOGA**  
*simply sophisticated*

# Adjustable Scrapers

## MINI SCRAPER YT1100

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



## SCRAPER YT1200

Ideal for scraping, trimming and deburring most materials.  
INCLUDES: YT handle and T80 double ended medium triangular scraper blade.



## SCRAPER SC8000

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



## HEAVY DUTY SCRAPER SC1500

Ideal for scraping, trimming and deburring most heavy duty materials.  
INCLUDES: H.D. SC handle and T120 double ended triangular 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 key.





# Scraper Blades



**[NOGA]**  
*simply sophisticated*

# Handles

## 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

Hexagonal 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.

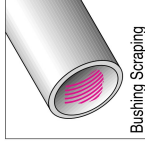
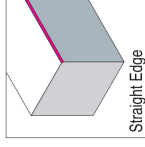
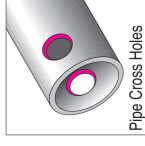
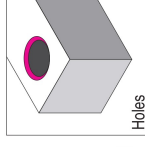


## H.D. SC Handle SC1400











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



# D and T Blades



## BLADES

	order no.		width x length (mm)	angle (degrees)	package weight (g)	package quantity
<b>D50</b>	BD5010		2.5 x 50	60	37	10
<b>D50TiN</b>	BD5012		2.5 x 50	60	37	10
<b>D55 Carbide</b>	BD5501		2.5 x 50	60	9	1
<b>D66</b>	BD6610		2.7 x 50	50	44	10
<b>D75</b>	BD7501		2.5 x 75	60	8	1
<b>D77</b>	BD7701		2.7 x 75	50	9	1
<b>T40</b>	BT4001		4.2 x 40	60	7	1
<b>T60</b>	BT6001		7.4 x 60	60	11	1
<b>T80</b>	BT8001		4.2 x 80	60	11	1
<b>T120</b>	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 blades. NF10 Int. thread. Length 113 mm.





# Diamond Needle Files and Sets



**[N]NOGA**  
*simply sophisticated*



# Handle

# Files & Sets

The files are of Swiss made blanks electroplated with ultra high concentration of precisely graded diamond particles. A must for any tool and die shop, extruders and repairs of hardened alloys and ceramics.

## YT Handle YT1000

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








## YT 3000 Set

INCLUDES:  
YT handle YT1000  
1 pc. D75, T80 scraper  
5 Files: DT1050, DT1051, DT1052, DT1053, DT1054

## YT 3300 Set

INCLUDES:  
YT handle YT1000  
5 Files: DT1050, DT1051, DT1052, DT1053, DT1054



SHAPES	order no.	width x thickness (mm)
 Equaling	DT1050	5.1 x 1.4
 Triangular	DT1051	3.9
 Square	DT1052	2.5
 Half Round	DT1053	5.4 x 1.9
 Round	DT1054	3.0

All files are a total length 140 mm, with a 70 mm coated length. Shank size ø 3 mm. Grit size: D126

# Double Edge Cutting

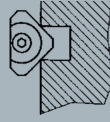


**NOGA**  
*simply sophisticated*

# Double Edge Cutting

## NOGA KEYWAY-BURR NG3300

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



## NOGA V CUT NG3200

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



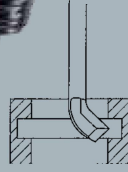
## NOGA MINI CUT NG3220

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



## NOGA O-RING BURR NG1100

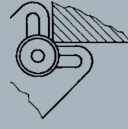
Removes burrs from internal O-ring grooves. Range 0-3 mm (groove width).  
INCLUDES: NG-1 handle and O-ring blade.



## NOGA DOUBLE-BURR DB1000

Simultaneously removes burrs from both sides of sheet metal. DB handle with safety guard to protect your hand. Unique round cutting blades can be rotated and reversed for long life. For corners, use one blade only.

Range: 0-12mm.  
INCLUDES: DB handle, handguard and two N80 blades.





# Double Edge Cutting Blades



# Handles

## NG-1 Handle NG1000

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



## 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.

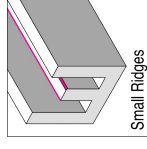
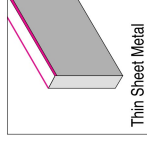
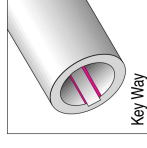
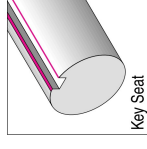
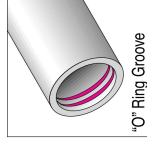


## L Holder EL07013

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



# Blades



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

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



# Single Edge Cutting



**[NOGA]**  
*simply sophisticated*



# Single Edge Cutting

## NG-1 Handle NG1000

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



## NG-3 Handle NG3000

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



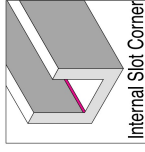
## L Holder EL07013

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

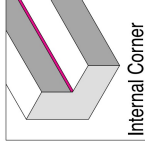


## TC Blade BC1001

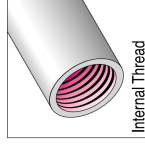
Works best on damaged internal threads. Max 3 mm pitch



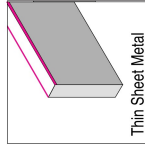
Internal Slot Corner



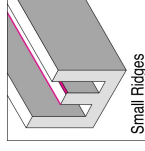
Internal Corner



Internal Thread



Thin Sheet Metal



Small Ridges

## NOGA CORNER CLEANER NG3230

Effective corner relief. Wide range of applications.  
INCLUDES: NG-3 handle, L holder and L6 blade.



## NOGA THREAD CLEANER NG1600

For cleaning damaged internal threads.  
Minimum dia. 9 mm. Maximum thread pitch 3 mm.  
INCLUDES: NG-1 handle and TC blade.



## NOGA SLOT CLEANER NG3210

Used to relieve corners of narrow slots from 3.5mm.  
INCLUDES: NG-3 handle, L holder and L5 blade. (L7 double end blade for cutting in two directions is also available).



## NOGA LEADER NG3800

Chamfering straight or curved edges. Ensures a 45° chamfer.  
INCLUDES: NG-3 handle, LD holder and L1 blade.



## BLADES

	order no.	works best on:
<b>L1</b>	BL1001	steel and aluminium
<b>L5</b>	BL5001	slots from 3.5 mm
<b>L6</b>	BL6001	sharp corners
<b>L7</b>	BL7001	slots from 3.5 mm.

angle (degrees)

package weight (g)

package quantity

works best on:

45

5

1

steel and aluminium

65

5

1

slots from 3.5 mm

50

6

1

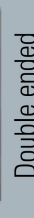
sharp corners

50

6

1

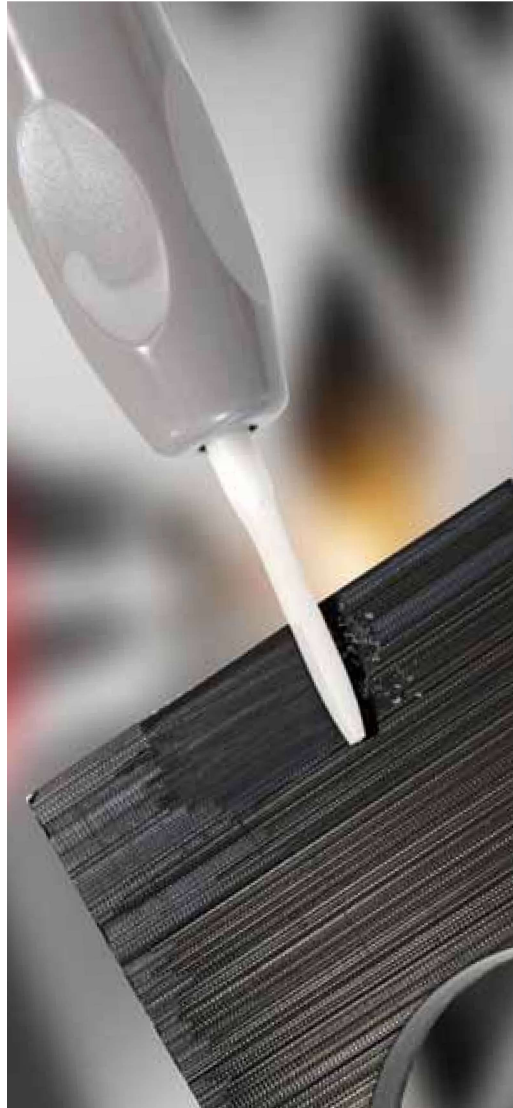
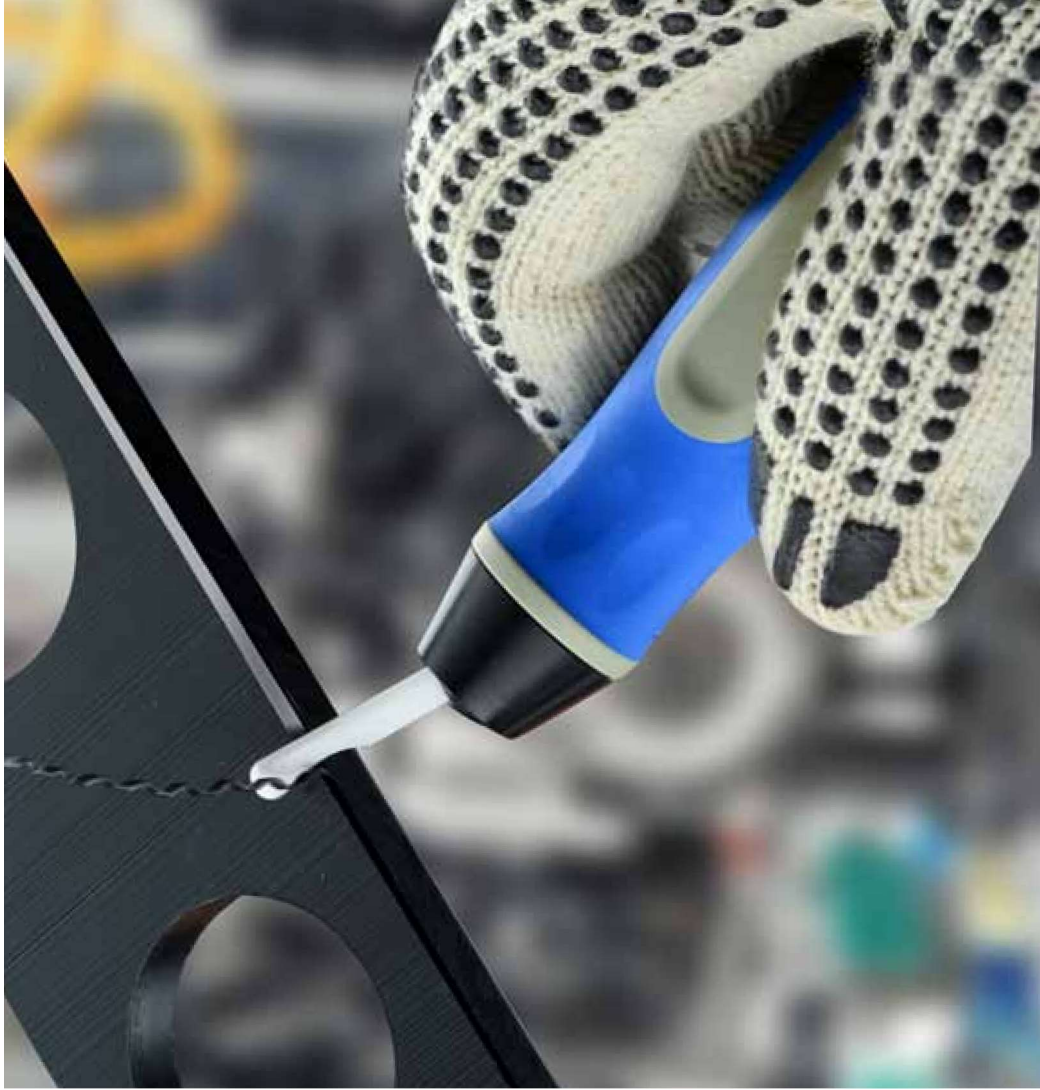
slots from 3.5 mm.



Double ended

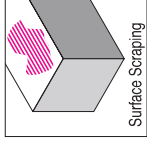
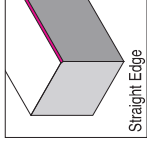
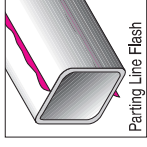
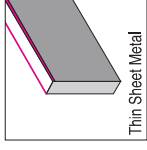
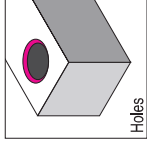
All blades are made of H.S.S. Hardness 62-64Rc

# Ceramic Applications



**[NOGA]**  
*simply sophisticated*

# Ceramic



## NOGA SOFT CUT TOOL NC5100

Ideal for deburring soft abrasive plastics

INCLUDES: NogaCut handle and NogaCut blade 65°.

**PATENTED**



## NOGA HARD CUT TOOL NC5200

Ideal for deburring hard abrasive plastics.

INCLUDES: NogaCut handle and NogaCut blade 75°.

**PATENTED**



## NOGA CERA-CUT CR1100

Ideal for deburring plastics and other soft materials. Extremely long life. Disposable tool.

INCLUDES: 250mm convexed radius ceramic blade, mounted in ergonomically held handle with soft grip.



## CONVEXED CERA-CUT CR2000

Perfect for all plastic materials and soft metals.

Ideal for surface scraping and parting line deflashing.

INCLUDES: Cera-cut handle and 250 mm convexed radius blade.



## CONCAVED CERA-CUT CR2300

Perfect for all plastic materials and soft metals.

Ideal for curved edges and small ridges.

INCLUDES: Cera-cut handle and 15 mm concaved blade.



## MINI CERAMIC CR1500

A unique mini plastic handle and convexed ceramic blade, perfect for plastic materials and soft metals.

Ideal for surface scraping and parting line deflashing. INCLUDES: Mini Cera-cut handle and mini convexed blade.



## ADJUSTABLE MINI SCRAPER CR4100

Ceramic mini scraper ideal for surface cleaning, trimming deburring and parting line deflashing on most plastics.

Special blade design for safety.

INCLUDES: YT handle and mini ceramic scraper blade.



## CERAMIC DOUBLE BURR DB5000

Ideal for simultaneously double edge deburring.

Range 1 - 11 mm.

INCLUDES: DB handle, hand guard and V-shaped ceramic blade.





# Ceramic CR Blades



**[N]NOGA**  
*simply sophisticated*

# Handles

## Noga-Cut Handle NC5000

Noga-Cut **ONLY** holds Noga-Cut blades CR6000 and CR6100.



**PATENTED**

## 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.

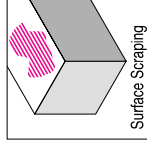
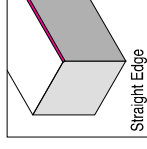
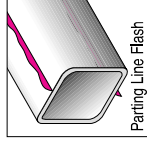
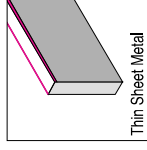
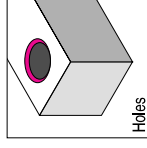


## Ceramic Mini Scraper Handle YT 10004








Perfect grip for adjustable ceramic mini scrapers.



# Blades



## BLADES

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

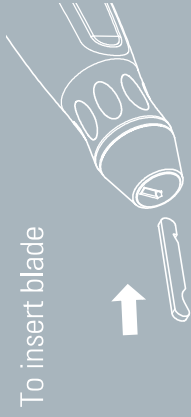
All blades are made of Ceramic 1250HV

# Handles

# Blade Placement

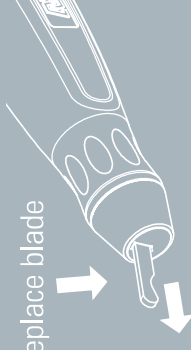
## NogaCut Handle NC5000

NogaCut - ONLY - holds NogaCut blades CR6000 and CR6100.



To insert blade

Push blade into aperture.



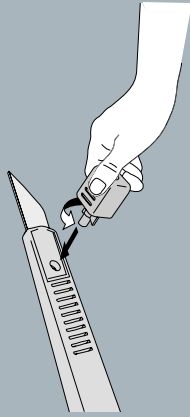
Press existing blade downward and release by pulling out.

## Cera-Cut Handle CR2100

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

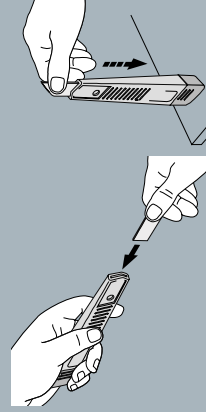


To remove blade



Remove end cap, insert point into hole and turn 90°. Release blade.

To insert blade



Insert blade into groove. Hold in place and gently tap against solid surface.



# Ceramic Sets



## Noga Cera-Cut Set CR3000

Includes:

- 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° - CR6100

# The Set Range

## THE PLATINUM SET NG9500

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



**INCLUDES:**

**Tools**

Double Burr DB1000

**Holders**

S Holder EL02003

N Holder EL01033

C Holder CH3000

D Holder EL05003 (2 pcs.)

K Holder EL04003

**Handles**

NG-1, NG-3, TB handle

**Blades**

S10, S20, S30, S150,

N1, N2, C20, D50, D66,

N80K, EX18 & RD10.4

Allen Key (1.5mm).

## 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,

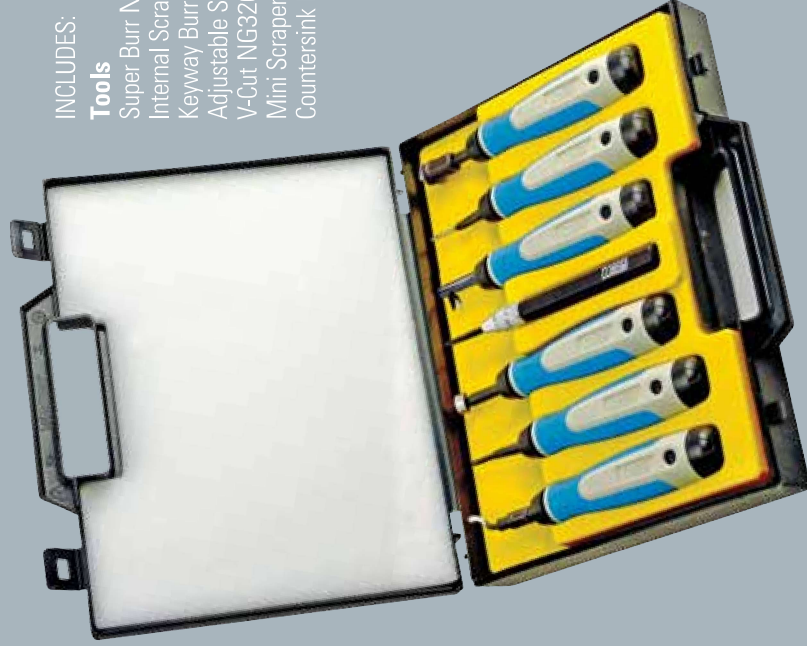
N1, N2, C20, D50, D66,

N80K, and RD10.4.

Allen Key (1.5mm).

## THE NOGA SET SP7700

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



### INCLUDES:

#### Tools

Super Burr NG3003  
Internal Scraper NG3710  
Keyway Burr NG3300  
Adjustable Scraper SC8000  
V-Cut NG3200  
Mini Scraper NG3700  
Countersink NG3100

## THE NOGA AGENT SET SK1000

### INCLUDES:

#### Tools

DB1000, DB5000, EO1000, CR1100,  
SC8000, RC1000, RC2000, RC2200.

#### Holders

S Holder, N Holder, C Holder, D Holder,  
H.D. Rotodrive, H.D. Ext. Rotodrive,  
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

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

CR200, CR2500.





# Kits

## THE SILVER UNIKIT NG9300

Most suitable for MRO.



**INCLUDES:**

**Tools**

Reversible countersink RC2000

**Handle**

NG-3, EO plastic handle

**Holders**

S Holder EL02003

**Blades**

S10, S20, S30, RD3.2, RD10.4, RD16.5 and EX18

## THE BRONZE UNIKIT NG9200

Most economical deburring kit for all machinists.



**INCLUDES:**

**Handle**

NG-3

**Holders**

S Holder EL02003

N Holder EL01033

C holder CH3000

D holder EL05003

**Blades**

S10, S20, S30, S150, N1, N2, C20 and D50. Allen Key

## THE MINIKIT NG9100

Universal deburring kit for all machinists.



**INCLUDES:**

**Handle**

NG-3

**Holders**

S Holder EL02003

N Holder EL01033

**Blades**

S10, S20, S30, S150, N1 and N2

# The Mini Range

## NOGA TROUBLE SHOOTER SET SP1010

Compact set. Suitable for deburring, scraping and countersinking.



INCLUDES:

**Handle**

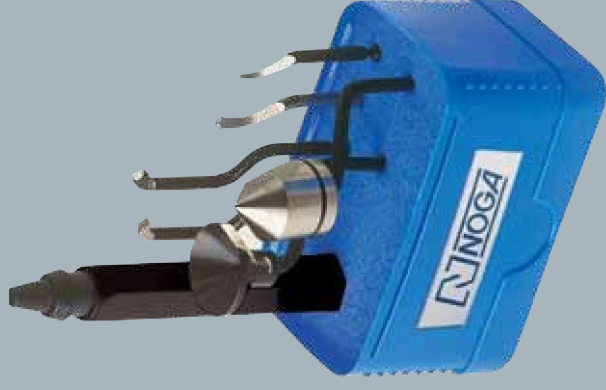
Short RB handle

**Blades**

S20, S100, S150, RD16.5, 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 handyman's 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



# Counter Displays



## THE COUNTER DISPLAY SP7250

### INCLUDES:

#### Tools

- 4 Pcs. Tele Burr NG3002  
Super Burr NG3003
- 3 Pcs. Noga Burr-3 NG1003  
Triangular Scraper NG3610  
Mini Scraper NG3700
- 2 Pcs. Rapid Burr RB1000  
Double Burr DB1000  
Rotodrive NG1200  
Reversible Countersink RC2000  
Countersink NG3100  
Noga Soft-Cut NC5100  
Adjustable Scraper SC8000
- 1 Pc. External Rotodrive NG1700  
Convexed Cera-Cut CR2000

#### Blades:

- 4 Packs Each (40 Blades)  
S10 BS10102  
S20 BS20102  
N1 BN1010  
N2 BN2010

**NOGA**  
simply sophisticated



**NOGA BURR DISPLAY**  
NG9600 & NG9610



**NG9600** INCLUDES:  
20 pcs. Noga Burr-3 NG1003

**NG9610** INCLUDES:  
20 pcs. Noga Burr-5 NG1005

**THE MOST POPULAR TOOLS DISPLAY**  
NG9700



INCLUDES:  
**Tools**  
4 pcs. Noga Burr-3 NG1003  
Tele Burr NG3002  
Super Burr NG3003  
Countersink NG3100  
Mini Scraper NG3700

**THE TOOL AND BLADE COLLECTION DISPLAY**  
SP7300



INCLUDES:  
**Tools:**  
5 pcs. Noga Burr-3 NG1003  
Rotodrive NG1200  
Adjustable Scraper SC8000  
Rapid Burr RB1000

**Blades:**  
5 packs (50 blades).  
S10 BS1010, S20 BS2010,  
S30 BS3010, S100 BS1018,  
S150 BK3010

# Specialty Tools

## MULTIBURR RG1000

The handy universal deburring set with multi-purpose 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

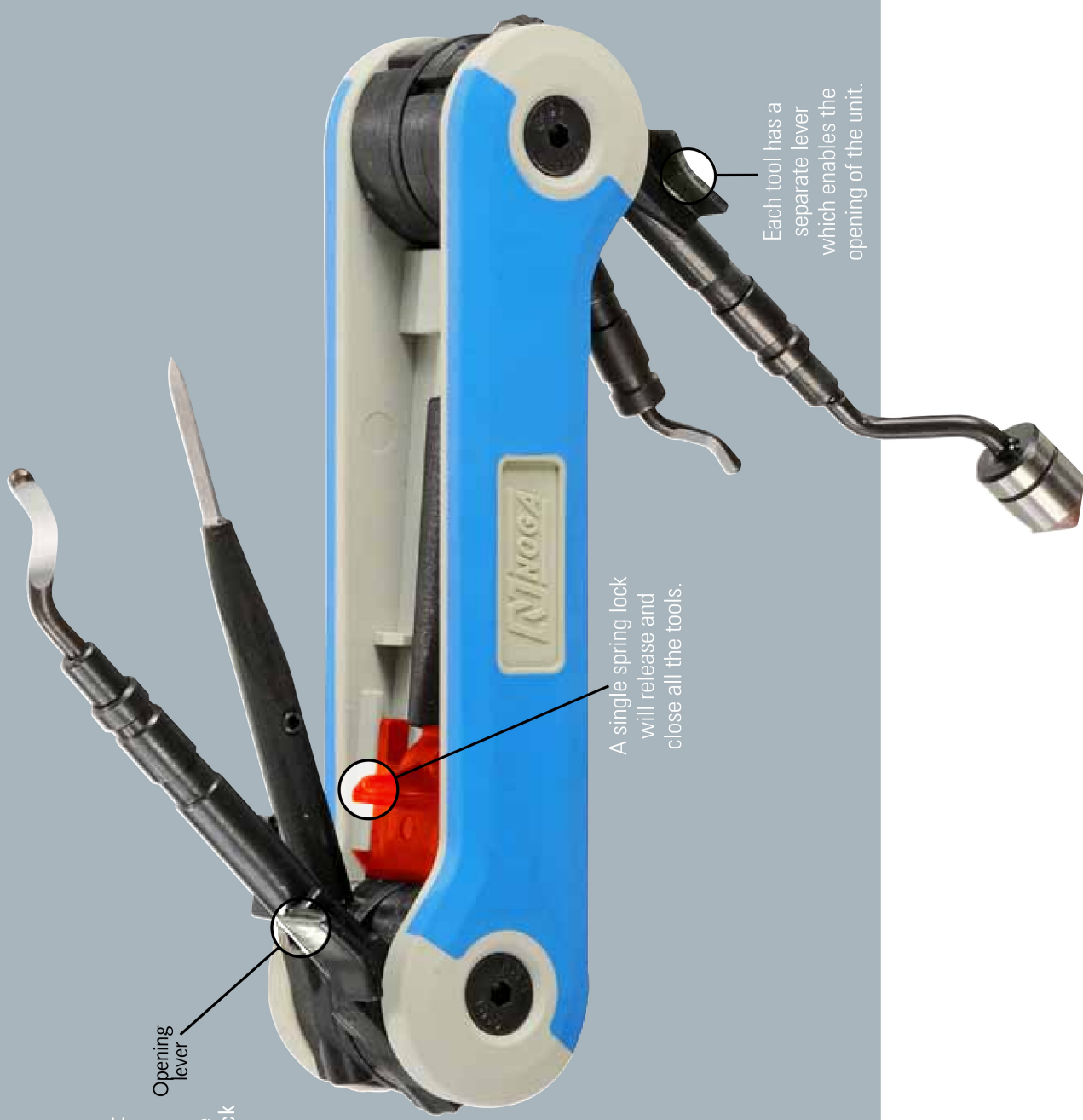
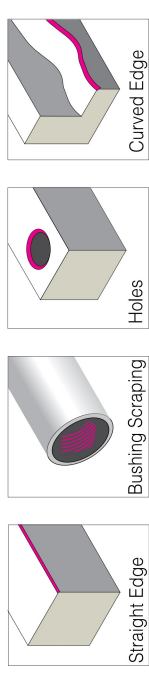
### 10.4 mm Rotodrive Countersink Blade

Quickest way to chamfer.

Range 1-10.4 mm

### N2 Blade

Works best on brass and cast iron



Opening lever

A single spring lock will release and close all the tools.

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

**NOGA**  
simply sophisticated

## 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.



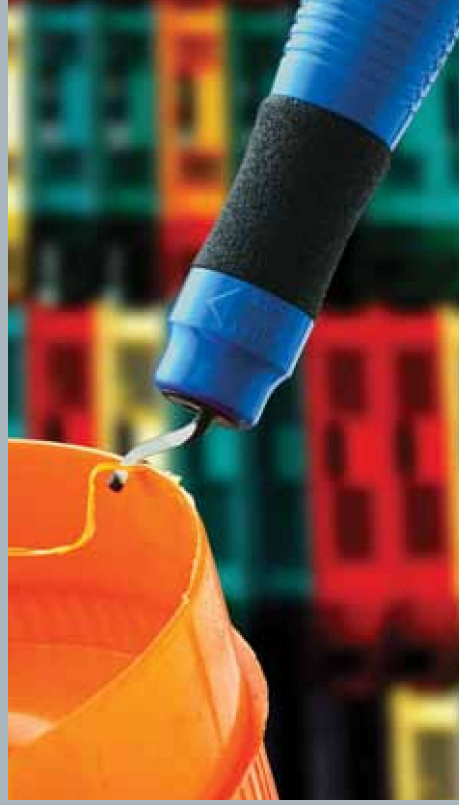
## Non Scratch HSS Blade with safety cap BS9110

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.



### INCLUDES:

**SG** handle, **S100** and **N10 Cobalt** blades.

### TO INSERT BLADE

1. Hold handle in left and blade right hand.
2. Push blade in and simultaneously turn blade CW.



### TO REMOVE BLADE

1. Repeat as above but pull out.



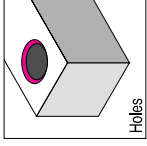
A wide variety of tools, blade holders and blades are available for use with the versatile Universal Chuck Handle.

## UNIVERSAL HANDY CHUCK HOLDER PV1000

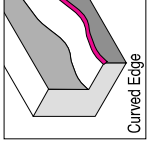
Aluminium handle with non-slip covering. A 3 jaw chuck helps with quick and secure clamping of a wide variety of tools, blade holders and blades for scrapers, countersinks, files etc. Range: 0.8 - 8 mm.



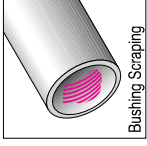
**NOGA**  
*simply sophisticated*



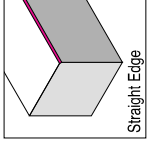
Holes



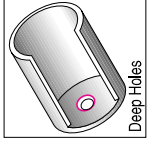
Curved Edge



Bushing Scraping



Straight Edge



Deep Holes



### 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, N1 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

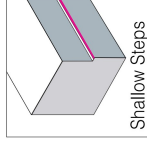
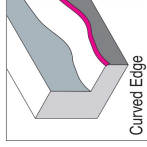
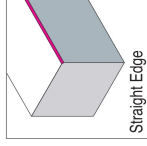
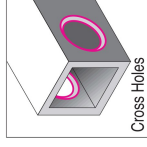
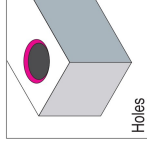
BLADES	order no.		works best on:
<b>S10 Carbide</b>	BS1016		hardened steel and plastic
<b>S10 Diamond</b>	BS1014		glass and ceramics
<b>S10 LH</b>	BS1011		steel, aluminium and plastic
<b>S10 LH TiN</b>	BS1013		steel, aluminium and plastic. For long life.
<b>S100 TiN</b>	BS1019		stainless steel and plastic. For long life.
<b>S20 Carbide</b>	BS2015		hardened materials and plastic
<b>S101 LH</b>	BK1011		fine edges on all materials.
<b>S101 TiN</b>	BK1012		fine edges on all materials. For long life.
<b>S30 TiN</b>	BS3003		both int. and external burrs. For long life.
<b>S60 TiN</b>	BS6003		cross holes in difficult to reach places. For long life.
<b>S80</b>	BS8001		shallow steps
<b>S80 TiN</b>	BS8003		shallow steps. For long life.
<b>S1500</b>	BS1510		special blade for deburring rubber 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



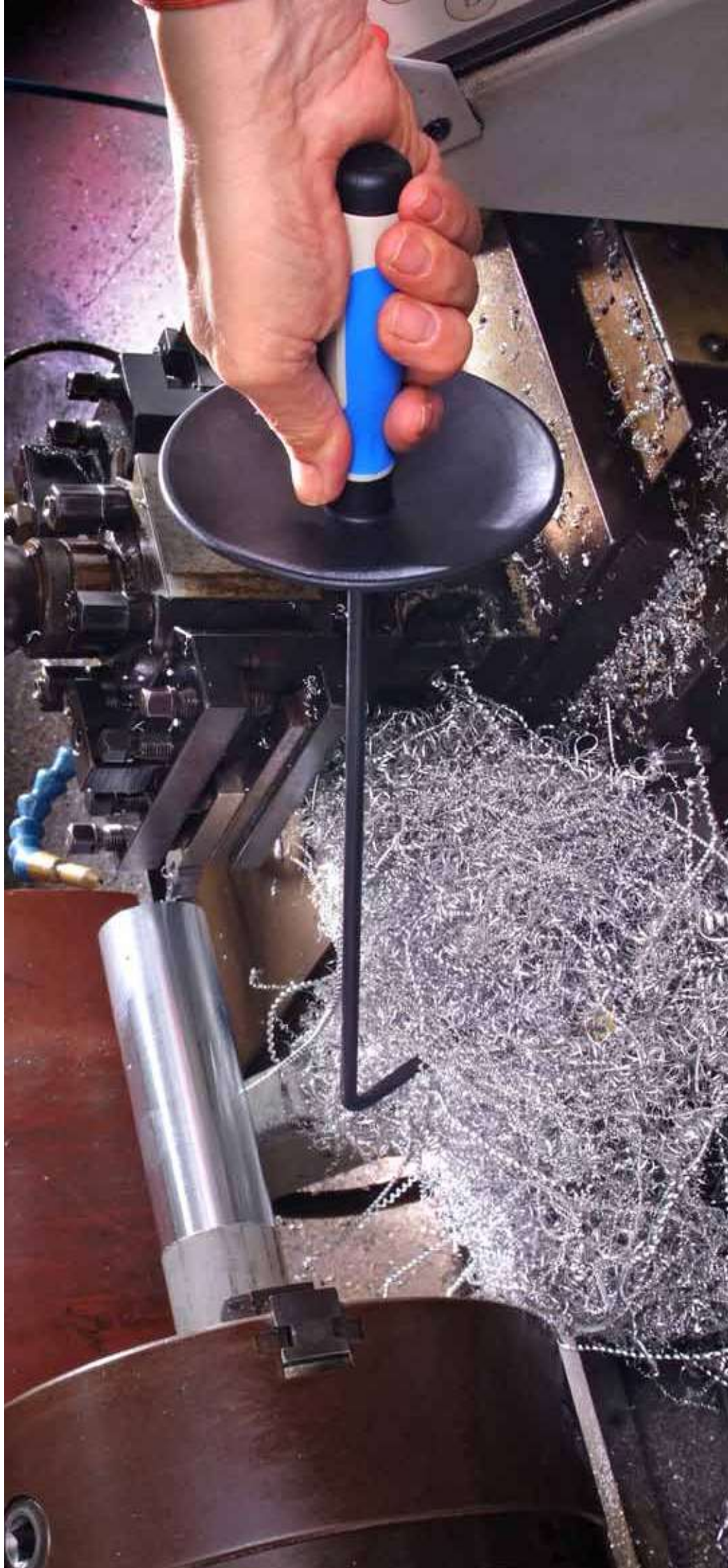
## BLADES

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

# Chip Hooks



**[N]NOGA**  
*simply sophisticated*

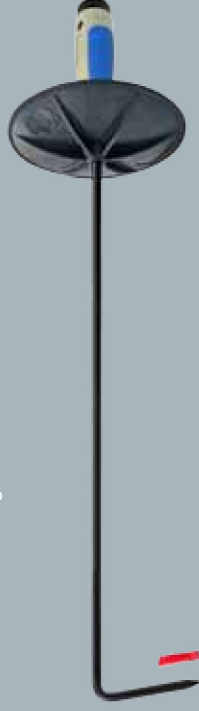
# Chip Hooks - Fixed

Removes chips and cleans the chip trays on your machines. Black finished steel hooks. Includes a special  $\phi 130$ mm guard to protect your hand. Fitted with a Noga Grip handle, designed for maximum comfort in your hand.

**CHIP HOOK SP2500**  
Length 430 mm.



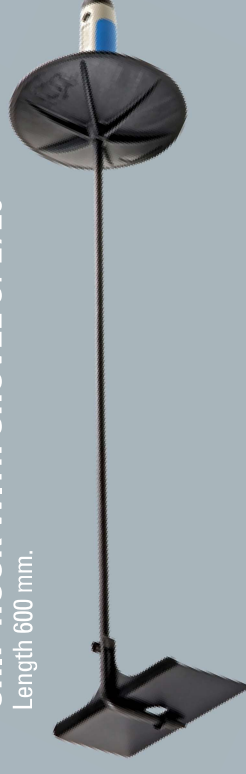
**CHIP HOOK SP2550**  
Length 600 mm.



**CHIP HOOK WITH SHOVEL SP2710**  
Length 430 mm.



**CHIP HOOK WITH SHOVEL SP2720**  
Length 600 mm.



**CHIP HOOK SET SP2700**

- INCLUDES:  
1 pc. SP2500  
1 pc. SP2550  
1 pc. SP2600



SP2600

SP2500



SP2550





# Chip Hooks - Modular

Removes chips and cleans the chip trays on your machines. Black finished steel hooks. This modular chip hook allows extensions of 200 mm increments from the standard length of 300 mm. Includes a special ø130mm guard to protect your hand and extension rod. Fitted with a Noga Grip handle, designed for maximum comfort in your hand.

**CHIP HOOK SP2510**  
Standard length 300 mm.



**CHIP HOOK WITH SHOVEL SP2730**  
Standard length 300 mm.



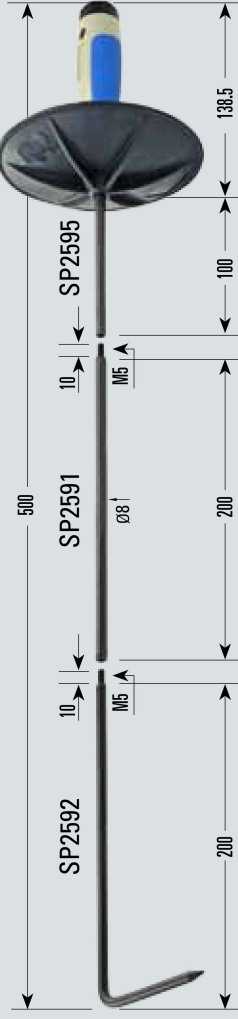
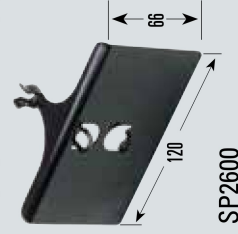
**CHIP HOOK SP2560**  
Length with added modular rod 500 mm.



**CHIP HOOK WITH SHOVEL SP2740**  
Length with added modular rod 500 mm.



MODULAR DIMENSIONS - metric



# Plumbing Contents

## **SPIDER BURR 62**

Spider Burr  
Large Spider Burr

## **INNER - OUTER REAMER 63-64**

Inner - Outer Reamer for Plastic  
Inner - Outer Reamer for Steel  
Inner - Outer Reamer for Soft Metals

## **DEBURRING TOOLS 65**

Edge Off  
Rapid Burr  
Noga Burr 1, 3

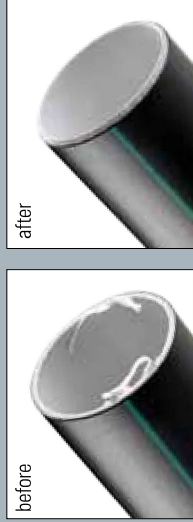
# Plumbing Tools



**NOGA**  
*simply sophisticated*



# Spider Burr



**SELF ADJUSTING CHAMFERING TOOL**  
**UNIQUE MECHANISM**  
**ENABLES QUICK OUTER EDGE BURR REMOVAL**  
**EXTREMELY FAST CHAMFERING ON EXTERNAL TUBES**  
**IDEAL FOR THE OUTSIDE DIAMETER OF PLASTIC PIPES**

**EASY SET UP** - the diameter of the Spider Burr automatically and quickly adjusts to the required outer circumference of the pipe.

Works on different plastic pipes and tubes such as UPVC, PVC, PP, PE, CPVC, ABS etc.

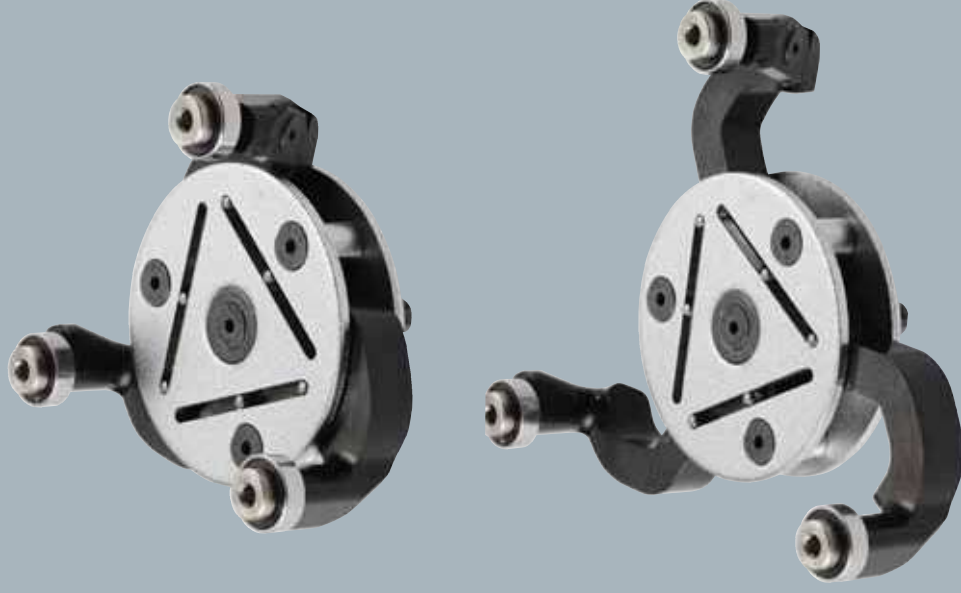
Working range: 75 - 110 mm (2½" - 4"), 110 - 160 mm (4" - 6").

Works best with standard electric/cordless drills - 14V and up.

For best performance run the drill at a low RPM.

Use the drill position setting.

Same blade is used for both models and is replaceable.



order no.	range
PC2000	75 - 110 mm   2½" - 4"
PC3000	110 - 160 mm   4" - 6"
PC1100	Replacement blade

# Inner - Outer Reamer

## FAST CHAMFERING UP TO 75 MM ON PLASTIC PC6000

Works on different plastic pipes and tubes such as UPVC, PVC, PP, PE, CPVC, ABS etc.

Working range: 25 - 75 mm (3/4" - 2 1/2").

Works best with standard electric/cordless drills - 14V and up.

For best performance run the drill at a low RPM.

Use the drill position setting.



PC6000



order no.	range
PC6000	EXT. 25 - 75 mm 3/4" - 2 1/2"
PC6100	INT. 40 - 75 mm 1 1/4" - 2 1/2"
	Replacement blade

**NOGA**  
simply sophisticated

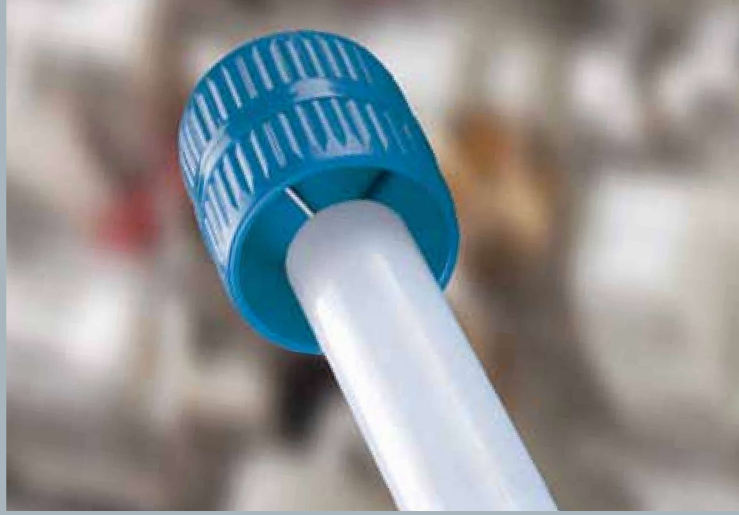
# Inner - Outer Reamer

## INNER - OUTER REAMER FOR PLASTIC & SOFT METALS SP81005

Deburs both the inner and outer edges of tubing.

Plastic body with 3 cutters.

Reamer for plastic and soft metals.



SP81005

order no.

range

SP81005

4 - 42 mm  $\frac{5}{32}$ " - 1  $\frac{21}{32}$ "

## INNER - OUTER REAMER FOR STEEL SP8200

The multiple cutting edges of the SP 8200 on interior cone allows for fast, clean, inner reaming and outer deburring / beveling of steel tubing. Hardened steel construction.

SP8200



order no.

range

SP8200

12 - 50 mm  $\frac{1}{2}$ " - 2"





# Deburring Tools

## EDGE OFF EO1000

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.



## RAPID BURR RB1000

Steel housing for long life of handle. The blade is replaceable.

INCLUDES: S10 blade mounted in an 12 mm painted hexagonal aluminum handle.

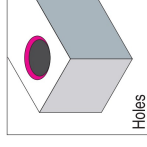


## BLADES

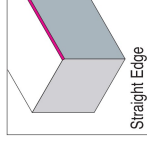
order no.	incl. angle (degrees)	package weight (g)	package quantity	works best on:
<b>S10</b> BS1010	40	42	10	steel, aluminium and plastic
<b>S20</b> BS2010	60	43	10	brass and cast iron
<b>S35</b> BS3510	55	44	10	straight edges on most materials

L/R - for left and right hand users.

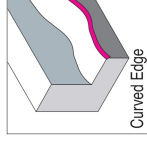
All blades are made of H.S.S. Hardness 62-64Rc.



Holes



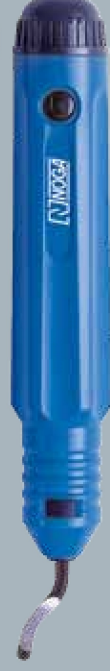
Straight Edge



Curved Edge

## NOGA BURR 1 & 3

Will do most of your deburring jobs.



### NOGA BURR 1 - NB1100

INCLUDES:

**NB** handle and S10 blade.

### NOGA BURR 3 - NB3000

INCLUDES:

**NB** handle  
S10, S20 and S35 blades.



**NOGA**  
*simply sophisticated*