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 for further information.

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

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**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.

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# Deburring Systems

<table>
<thead>
<tr>
<th>Category</th>
<th>Pages</th>
<th>Category</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heavy Duty</td>
<td>3-8</td>
<td>Ceramic</td>
<td>39-44</td>
</tr>
<tr>
<td>Light Duty</td>
<td>9-14</td>
<td>Sets &amp; Kits</td>
<td>45-50</td>
</tr>
<tr>
<td>Countersinks</td>
<td>15-26</td>
<td>Specialty Tools</td>
<td>51-54</td>
</tr>
<tr>
<td>Scrapers</td>
<td>27-30</td>
<td>Specialty Blades</td>
<td>55-56</td>
</tr>
<tr>
<td>Diamond Files</td>
<td>31-32</td>
<td>Chip Hooks</td>
<td>57-59</td>
</tr>
<tr>
<td>Double-Edge</td>
<td>33-36</td>
<td>Plumbing</td>
<td>60-65</td>
</tr>
<tr>
<td>Single Edge</td>
<td>37-38</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## 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

### 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

### COUNTERSINKS 15-26
- Countersinks
- Heavy Duty Rotodrive
- Heavy Duty Ex.Rotodrive
- NogaGrip 3 Handle

### DIAMOND FILES 31-32
- 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

### 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

### 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

### 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
- 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

### 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
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.

**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.

**SUPER BURR NG3003**
For heavy duty jobs.
INCLUDES: NG-3 handle, S holder, S100, S20 and S30 blades.

**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
**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**

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

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

**FREE HANDLE**
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
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)

Universal Set EO2100
INCLUDES:
EO handle + S10 blade - BS1010
(green for aluminium)
EO handle + S20 blade - BS2010
(red for brass and iron cast)
EO handle + S100 blade - BS1018
(blue for steel)
EO 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
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.
INCLUDES: N1 blade mounted in an 8mm painted hexagonal aluminum handle.

TELE BURR NG3002
Very popular tool. Holds 2.6 mm N blades.
INCLUDES: NG-3 handle, N holder, N1 and N2 blades.
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

<table>
<thead>
<tr>
<th>BLADES</th>
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<th>incl. angle (degrees)</th>
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<tbody>
<tr>
<td>N1</td>
<td>BN1010</td>
<td>40</td>
<td>13</td>
<td>10</td>
<td>steel, aluminium and plastic</td>
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<tr>
<td>N1 TiN</td>
<td>BN1012</td>
<td>40</td>
<td>13</td>
<td>10</td>
<td>abrasive material</td>
</tr>
<tr>
<td>N2</td>
<td>BN2010</td>
<td>80</td>
<td>14</td>
<td>10</td>
<td>brass and cast iron</td>
</tr>
<tr>
<td>N2 TiN</td>
<td>BN2012</td>
<td>80</td>
<td>14</td>
<td>10</td>
<td>stainless steel</td>
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<tr>
<td>N3</td>
<td>BN3010</td>
<td>50</td>
<td>12</td>
<td>10</td>
<td>both int. and ext. burrs</td>
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<tr>
<td>N6</td>
<td>BN6001</td>
<td>40</td>
<td>6</td>
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<td>cross holes in difficult to reach places</td>
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<tr>
<td>N10 Cobalt</td>
<td>BN1310</td>
<td>45</td>
<td>13</td>
<td>10</td>
<td>plastic and hard materials</td>
</tr>
</tbody>
</table>

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 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.

**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).
Countersink C Blades
Handles  C Blades

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 Holder CH3000
Holds C12, C20 and C30 countersinks. M7 external thread. Has a hexagonal cross section to prevent rotating inside handle. Length 131 mm.

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

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

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

**ROTONDRIVE 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.

**ROTONDRIVE 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

### RD Blades

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

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

* will fit holder CH3300 only.  
All blades are made of H.S.S. Hardness 62-64Rc.
Countersink Reversible
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
<table>
<thead>
<tr>
<th>order no.</th>
<th>angle (degrees)</th>
<th>range (mm)</th>
<th>package weight (g)</th>
<th>package quantity</th>
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<td>R1 BR1001</td>
<td>90</td>
<td>3-5.5</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>R2 BR2001</td>
<td>90</td>
<td>5-10</td>
<td>5</td>
<td>1</td>
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<tr>
<td>R3 BR3001</td>
<td>90</td>
<td>10-22</td>
<td>6</td>
<td>1</td>
</tr>
</tbody>
</table>

All blades supplied with replacement screw
All blades are made of H.S.S. Hardness 62-64Rc

BLADE POSITION OPTIONS

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

USE WITH POWER DRILL
Scrapers
Adjustable Scrapers

**MINI SCRAPER YT1100**
The best mini scraper for tool and die makers.
INCLUDES: YT handle and D75 HSS triangular mini 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.

**MINI SCRAPER YT1200**
Ideal for scraping, trimming and deburring most materials.
INCLUDES: YT handle and T80 double ended medium triangular scraper blade.

**SCAPER 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.

**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 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.

**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
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 Blades

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

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
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

<table>
<thead>
<tr>
<th>SHAPES</th>
<th>order no.</th>
<th>width x thickness (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equaling</td>
<td>DT1050</td>
<td>5.1 x 1.4</td>
</tr>
<tr>
<td>Triangular</td>
<td>DT1051</td>
<td>3.9</td>
</tr>
<tr>
<td>Square</td>
<td>DT1052</td>
<td>2.5</td>
</tr>
<tr>
<td>Half Round</td>
<td>DT1053</td>
<td>5.4 x 1.9</td>
</tr>
<tr>
<td>Round</td>
<td>DT1054</td>
<td>3.0</td>
</tr>
</tbody>
</table>

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
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 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 V CUT NG3200**
For deburring sheet metal. Range: 1-8 mm.
**INCLUDES:** NG-3 handle, L holder and L3 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.

**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.
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.

## Blades

<table>
<thead>
<tr>
<th>BLADES</th>
<th>order no.</th>
<th>range (mm)</th>
<th>angle (degrees)</th>
<th>package weight (g)</th>
<th>package quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>N80</td>
<td>BN8010</td>
<td>0-12</td>
<td>55</td>
<td>34</td>
<td>10</td>
</tr>
<tr>
<td>N80M42</td>
<td>BN8043</td>
<td>0-12</td>
<td>55</td>
<td>32</td>
<td>10</td>
</tr>
<tr>
<td>N70K</td>
<td>BN7001</td>
<td>1.2-8</td>
<td>55</td>
<td>5</td>
<td>1</td>
</tr>
<tr>
<td>N80K</td>
<td>BN8110</td>
<td>2.4-11</td>
<td>55</td>
<td>31</td>
<td>10</td>
</tr>
<tr>
<td>N80KM42</td>
<td>BN8143</td>
<td>2.4-11</td>
<td>55</td>
<td>29</td>
<td>10</td>
</tr>
<tr>
<td>N90K</td>
<td>BN9009</td>
<td>3-15</td>
<td>55</td>
<td>8</td>
<td>1</td>
</tr>
<tr>
<td>L3</td>
<td>BL3001</td>
<td>1-8</td>
<td>50</td>
<td>6</td>
<td>1</td>
</tr>
<tr>
<td>L4</td>
<td>BL4001</td>
<td>0.5-2.5</td>
<td>50</td>
<td>6</td>
<td>1</td>
</tr>
<tr>
<td>O-Ring</td>
<td>BO1001</td>
<td>1-3</td>
<td>40</td>
<td>9</td>
<td>1</td>
</tr>
</tbody>
</table>

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

---

**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.

---

**N G O A**
simply sophisticated
Single Edge Cutting
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 4mm setscrew. Length 131mm.

TC Blade BC1001
Works best on damaged internal threads. Max 3mm pitch.

NOGA CORNER CLEANER NG3230
Effective corner relief. Wide range of applications. INCLUDES: NG-3 handle, L holder and L6 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 THREAD CLEANER NG1600
For cleaning damaged internal threads. Minimum dia. 9mm. Maximum thread pitch 3mm. INCLUDES: NG-1 handle and TC blade.

NOGA LEADER NG3800
Chamfering straight or curved edges. Ensures a 45˚ chamfer. INCLUDES: NG-3 handle, LD holder and L1 blade.

<table>
<thead>
<tr>
<th>BLADES</th>
<th>order no.</th>
<th>angle (degrees)</th>
<th>package weight (g)</th>
<th>package quantity</th>
<th>works best on:</th>
</tr>
</thead>
<tbody>
<tr>
<td>L1</td>
<td>BL1001</td>
<td>45</td>
<td>5</td>
<td>1</td>
<td>steel and aluminium</td>
</tr>
<tr>
<td>L5</td>
<td>BL5001</td>
<td>65</td>
<td>5</td>
<td>1</td>
<td>slots from 3.5 mm</td>
</tr>
<tr>
<td>L6</td>
<td>BL6001</td>
<td>50</td>
<td>6</td>
<td>1</td>
<td>sharp corners</td>
</tr>
<tr>
<td>L7</td>
<td>BL7001</td>
<td>50 (Double ended)</td>
<td>6</td>
<td>1</td>
<td>slots from 3.5 mm</td>
</tr>
</tbody>
</table>

All blades are made of H.S.S. Hardness 62-64Rc.
Ceramic Applications
CERAMIC DOUBLE BURR DB5000
Ideal for simultaneously double edge deburring. Range 1 - 11 mm.
INCLUDES: DB handle, hand guard and V-shaped ceramic 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.

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.

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.

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.

NOGA SOFT CUT TOOL NC5100
Ideal for deburring soft abrasive plastics
INCLUDES: NogaCut handle and NogaCut blade 65°.

NOGA HARD CUT TOOL NC5200
Ideal for deburring hard abrasive plastics.
INCLUDES: NogaCut handle and NogaCut blade 75°.

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.

PATENTED

PATENTED

PATENTED

PATENTED

PATENTED

PATENTED

PATENTED

PATENTED
Ceramic CR Blades
# Handles

**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**
Perfect grip for adjustable ceramic mini scrapers.

---

## BLADES

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

All blades are made of Ceramic 1250HV
**Handles**

**NogaCut Handle NC5000**
NogaCut - ONLY - holds NogaCut 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.

---

**Blade Placement**

**To insert blade**
- Push blade into aperture.

**To remove blade**
- Remove end cap, insert point into hole and turn 90°. Release blade.

**To replace blade**
- Press existing blade downward and release by pulling out.

**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, D85000, EO1000, CR11000, SC8000, RC1000, RC2000, RC22000.

Holders

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

S Blades - 3.2 mm
O-Ring, Thread Cleaner.

N Blades - 2.6 mm
N1, N1TiN, N1 Diamond, N1 Carbide, N2, N2TiN, N2 Carbide, N3, N6, N10.

Cranked Countersinks

Countersinks
C12, C20, C30.

External Countersinks
EX18, EX28.

Scrapers
D50, D55 Carbide, D66, D75, D77.

Double Edged Cutting Blades

Ceramic Blades
CR2200, 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:
- Tools
  - Reversible countersink RC2000
- 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:
- Tools
  - Reversible countersink RC2000
- Handle
  - NG-3
- Holders
  - S Holder EL02003
  - N Holder EL01033
- Blades
  - S10, S20, S30, S150, N1 and N2

simply sophisticated

47
The Mini Range

**NOGA TROUBLE SHOOTER SET SP1010**
Compact set. Suitable for deburring, scraping and countersinking.

**NOGA 007 SET SP1007**
Ideal for maintenance operator. Used for deburring, cleaning, finishing and countersinking.

**FINE MINI SET FT3000**
The handymans mini set for deburring, scraping and countersinking.

**THE RAPID BURR MAGIC SET RB4000**
The Rapid Burr handle can hold either rotating or fixed blades.

_NOGA TROUBLE SHOOTER SET SP1010_

**INCLUDES:**
- Handle
- Short RB handle
- Blades
  - S20, S100, S150, RD16.5, RDE18 and D50

_NOGA 007 SET SP1007_

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

_FINE MINI SET FT3000_

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

_THE RAPID BURR MAGIC SET RB4000_

**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 BURR DISPLAY**
NG9600 & NG9610

**THE MOST POPULAR TOOLS DISPLAY**
NG9700

**THE TOOL AND BLADE COLLECTION DISPLAY**
SP7300

---

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

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

---

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

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

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

---

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

---

**NG9600 & NG9610**

---

**THE MOST POPULAR TOOLS DISPLAY**
NG9700

---

**THE TOOL AND BLADE COLLECTION DISPLAY**
SP7300

---

**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

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

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.

Ø 3.2 mm
Ø 2.6 mm

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.

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.
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

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

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

<table>
<thead>
<tr>
<th>BLADES</th>
<th>order no.</th>
<th>works best on:</th>
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</thead>
<tbody>
<tr>
<td>N1 Carbide</td>
<td>BN1029</td>
<td>hardened steel and special plastics</td>
</tr>
<tr>
<td>N1 Diamond</td>
<td>BN1028</td>
<td>glass and ceramics</td>
</tr>
<tr>
<td>N1 LH</td>
<td>BN1026</td>
<td>steel, aluminum and plastic</td>
</tr>
<tr>
<td>N1 LH TiN</td>
<td>BN1027</td>
<td>steel, aluminum and plastic. For long life.</td>
</tr>
<tr>
<td>N2 Carbide</td>
<td>BN2031</td>
<td>hardened steel and hard plastic</td>
</tr>
</tbody>
</table>

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
Chip Hooks - Fixed

Removes chips and cleans the chip trays on your machines. Black finished steel hooks. Includes a special ø130mm 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

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

SP2500

SP2550

SP2600
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 SP2560**
Length with added modular rod 500 mm.

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

<table>
<thead>
<tr>
<th>order no.</th>
<th>range</th>
</tr>
</thead>
<tbody>
<tr>
<td>PC2000</td>
<td>75 - 110 mm</td>
</tr>
<tr>
<td>PC3000</td>
<td>110 - 160 mm</td>
</tr>
<tr>
<td>PC1100</td>
<td>Replacement blade</td>
</tr>
</tbody>
</table>
**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.

<table>
<thead>
<tr>
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<th>range</th>
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<tbody>
<tr>
<td>PC6000 EXT.</td>
<td>25 - 75 mm 3/4” - 2 1/2”</td>
</tr>
<tr>
<td>PC6000 INT.</td>
<td>40 - 75 mm 1 1/4” - 2 1/2”</td>
</tr>
<tr>
<td>PC6100</td>
<td>Replacement blade</td>
</tr>
</tbody>
</table>
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.

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.

SP81005

order no. range
SP81005 4 - 42 mm 5/32” - 1 7/32”

SP8200

order no. range
SP8200 12 - 50 mm ½” - 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**

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

**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.

L/R - for left and right hand users.

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