Noga Engineering Ltd. was established in 1980 by Gustav Hirsch and his two sons Neft and Shuli.

Gustav is the founder of the cutting tool industry of Israel.

In 1941 he started Hanita Metal Works and in 1960 he established Vargus Ltd.
which bears the names of Varda and Gustav.

Over the last 28 years Noga has grown to become the world leader in the manufacturing of three main lines:
- Deburring tools
- Holding systems
- Cutting fluid applicators

All Noga items are designed to save you time and money and are very competitive in price.

Noga's strongest points are: product design and development, quality, service and product range. Our products are sold in more than 50 countries around the world either through our own companies or through a network of exclusive agents.

We thank you for choosing Noga.
## NEW PRODUCTS

### HEAVY DUTY (Ø3.2mm)

- NOGA BURR 3
- NOGA BURR 5
- SUPER BURR
- EDGE OFF
- RAPID BURR
- NOGAGRIP 1 HANDLE
- NOGAGRIP 3 HANDLE
- S HOLDER
- S BLADES

### LIGHT DUTY (Ø2.6mm)

- MAGIC BURR 2
- MAGIC BURR 4
- TELE BURR
- TEDDY BURR
- NOGAGRIP 2 HANDLE
- NOGAGRIP 3 HANDLE
- N HOLDER
- N BLADES

### COUNTERSINKS

- COUNTERSINKS
- REVERSIBLE
- NOGAGRIP 3 HANDLE
- C HOLDER
- BLADES

### ROTODRIVE COUNTERSINKS

- 10.4 ROTODRIVE
- EXTERNAL ROTODRIVE
- HEAVY DUTY INT. ROTODRIVE
- HEAVY DUTY EXT. ROTODRIVE
- NOGAGRIP 1 HANDLE
- NOGAGRIP 3 HANDLE
- ROTODRIVE HOLDERS
- BLADES

### SCRAPERS

- TRIANGULAR SCRAPER
- MINI SCRAPER
- INTERNAL SCRAPER
- ADJUSTABLE SCRAPER
- NOGAGRIP 3 HANDLE
- SC HANDLE
- T HOLDER
- D HOLDER
- BLADES
<table>
<thead>
<tr>
<th>CONTENTS</th>
<th>18-19</th>
<th>20-21</th>
<th>22-23</th>
<th>24-25</th>
<th>26-27</th>
<th>28-31</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOUBLE EDGE CUTTING</td>
<td>NOGA O-RING</td>
<td>NOGA V CUT</td>
<td>CONVEXED CERA-CUT</td>
<td>PROMO SETS</td>
<td>NOGA 007</td>
<td></td>
</tr>
<tr>
<td>HANDLES</td>
<td>NOGA KEYWAY BURR</td>
<td>NOGA V CUT</td>
<td>CONCAVED CERA-CUT</td>
<td>ECONOMY SETS</td>
<td>PLATINUM BOX</td>
<td></td>
</tr>
<tr>
<td>HOLDERS</td>
<td>NOGA DOUBLE BURR</td>
<td>CONVEXED DISPOSABLE CERA-CUT</td>
<td>CONVEXED DISPOSABLE CERA-CUT</td>
<td>COBALT SETS</td>
<td>GOLD BOX</td>
<td></td>
</tr>
<tr>
<td>SPECIALITY TOOLS AND BLADES</td>
<td>NOGAGRIP 1 HANDLE</td>
<td>CERAMIC DOUBLE BURR</td>
<td>CONVEXED DISPOSABLE CERA-CUT</td>
<td>TELE SETS</td>
<td>SILVER UNIKIT</td>
<td></td>
</tr>
<tr>
<td>BLADES</td>
<td>NOGAGRIP 3 HANDLE</td>
<td>CERA-CUT HANDLE</td>
<td>CERAMIC DOUBLE BURR</td>
<td>PLATINUM BOX</td>
<td>BRONZE UNIKIT</td>
<td></td>
</tr>
<tr>
<td>PLASTIC EDGE OFF</td>
<td>K HOLDER</td>
<td>BLADES</td>
<td>GOLD BOX</td>
<td>NOGA 007</td>
<td>NOGA TRIO</td>
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<td>HANDLES</td>
<td>L HOLDER</td>
<td>HANDLES</td>
<td>SILVER UNIKIT</td>
<td>NOGA MINI SET</td>
<td>NOGA MINI SET</td>
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<tr>
<td>HOLDERS</td>
<td></td>
<td>HOLDERS</td>
<td>BRONZE UNIKIT</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Adjustable Mini Scraper YT1100**

The best mini scraper for tool and die makers.
Includes:
YT handle (YT1000) and
D75 H.S.S triangular mini scraper (BD7501).
Size: 75x3.2mm.

**Adjustable Scraper YT1200**

Ideal for scraping, trimming and deburring almost all materials.
Includes:
YT handle (YT1000) and
T80 double ended triangular medium scraper (BT8001).
Size: 80x4.5mm.

**YT Handle YT1000**

The perfect grip on:
Noga adjustable scrapers
Needle files
Pins
Drills
• Quick change
• Fits every hand
• Flexible collet
Range: 2.2-4.5mm.
**NEW PRODUCTS**

**DIAMOND NEEDLE 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 ceramic.

Total length - 140 mm.
Coated length - 70 mm.
Shank - ø 3 mm.
Grit size: D126

**YT 3000** - Includes 5 files as shown below, D75 HSS Triangular Scraper, T80 double ended triangular Scrapers and YT1000 handle.

**YT 3300** - Includes 5 files and YT1000 handle.

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Shape</th>
<th>Width / Thickness (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DT1050</td>
<td>Equaling</td>
<td>5.1x1.4</td>
</tr>
<tr>
<td>DT1051</td>
<td>Triangular</td>
<td>3.9</td>
</tr>
<tr>
<td>DT1052</td>
<td>Square</td>
<td>2.5</td>
</tr>
<tr>
<td>DT1053</td>
<td>Half round</td>
<td>5.4x1.9</td>
</tr>
<tr>
<td>DT1054</td>
<td>Round</td>
<td>3.0</td>
</tr>
<tr>
<td>BT8001</td>
<td>Triangular</td>
<td>4.5x80 T80 Blade</td>
</tr>
<tr>
<td>BT8001</td>
<td></td>
<td>Double ended triangular scraper.</td>
</tr>
<tr>
<td>BD7501</td>
<td>Triangular</td>
<td>3.2x75 D75 Blade</td>
</tr>
<tr>
<td></td>
<td></td>
<td>H.S.S. triangular mini scraper.</td>
</tr>
</tbody>
</table>
NOGA BURR 3 NG1003
Will do almost all of your deburring jobs.
Includes: NG-1 handle, S10, S20 and S35 blades.

NOGA BURR 5 NG1005
Same as NG1003 but 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.

HOLDERS

NG-1 Handle NG1000
NogaGrip-1 holds all S blades (3.2mm). Spare blades are kept inside the handle. Designed for maximum comfort in your hand.

NG-3 Handle NG3000
NogaGrip-3 holds all blade holders. Spare blades are kept inside the handle. Designed for maximum comfort in your hand.

S Holder EL02003
Holds S blades (3.2mm). S holder telescopes from 30-115mm. Length: 131mm.
HEAVY DUTY ø3.2mm

EDGE OFF EO1000
Disposable tool. A handy pocket clip is a standard feature of this tool. Includes: S10 blade mounted in an 8mm painted hexagonal aluminum handle.

RAPID BURR RB1000
Steel housing for long life of handle. Blade is replaceable. Holds 3.2mm blades. Includes: 12mm hexagonal aluminum painted handle and S10 blade.

All blades below are made of H.S.S. Hardness 62-64Rc except S100 Cobalt 65-67Rc

<table>
<thead>
<tr>
<th>BLADES</th>
<th>Order No.</th>
<th>Incl. angle (degrees)</th>
<th>Pkg. weight (grams)</th>
<th>Package quantity</th>
<th>Works best on</th>
</tr>
</thead>
<tbody>
<tr>
<td>S10</td>
<td>BS1010</td>
<td>40</td>
<td>31</td>
<td>10</td>
<td>steel, aluminum and plastic</td>
</tr>
<tr>
<td>S10Tin</td>
<td>BS1012</td>
<td>40</td>
<td>31</td>
<td>10</td>
<td>abrasive material</td>
</tr>
<tr>
<td>S20</td>
<td>BS2010</td>
<td>L/R</td>
<td>60</td>
<td>33</td>
<td>10 brass and cast iron</td>
</tr>
<tr>
<td>S20 Tin</td>
<td>BS2012</td>
<td>L/R</td>
<td>60</td>
<td>33</td>
<td>stainless steel</td>
</tr>
<tr>
<td>S30</td>
<td>BS3010</td>
<td>L/R</td>
<td>40</td>
<td>31</td>
<td>both int. and ext. burrs</td>
</tr>
<tr>
<td>S35</td>
<td>BS3510</td>
<td>L/R</td>
<td>55</td>
<td>33</td>
<td>straight edges on most materials</td>
</tr>
<tr>
<td>S60</td>
<td>BS6001</td>
<td>L/R</td>
<td>40</td>
<td>9</td>
<td>1 cross holes in difficult to reach places</td>
</tr>
<tr>
<td>S100 Cobalt</td>
<td>BS1018</td>
<td>45</td>
<td>32</td>
<td>10</td>
<td>plastic and hard materials</td>
</tr>
<tr>
<td>S101</td>
<td>BK1010</td>
<td>40</td>
<td>29</td>
<td>10</td>
<td>fine edges on all materials</td>
</tr>
<tr>
<td>S150</td>
<td>BK3010</td>
<td>45</td>
<td>27</td>
<td>10</td>
<td>holes as small as 1.5mm Dia.</td>
</tr>
<tr>
<td>S202</td>
<td>BK2010</td>
<td>L/R</td>
<td>55</td>
<td>28</td>
<td>10 brass and cast iron fine edges</td>
</tr>
</tbody>
</table>

L/R - for left and right hand users.
MAGIC BURR 2 NG2002
Will do almost all of your deburring jobs. Includes: NG-2 handle, N1 and N2 blades.

MAGIC BURR 4 NG2004
Same as NG2002 with two extra blades for cross holes in difficult to reach places. Includes: NG-2 handle, N1, N2, N3 and N6 blades.

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

HANDLES

NG-2 Handle NG2000
NogaGrip-2 holds N blades (2.6mm). Spare blades are kept inside the handle. Designed for maximum comfort in your hand.

NG-3 Handle NG3000
NogaGrip-3 holds all blade holders. Spare blades are kept inside the handle. Designed for maximum comfort in your hand.

HOLDER

N Holder EL01033
Holds 2.6mm blades. N holder telescopes from 25-115mm. Length: 131mm.
**LIGHT DUTY ø2.6mm**

**TEDDYBURR TB1000**

Design for hard to reach locations.  
Blade is replaceable.  
Steel housing for long life of handle.  
Includes: 8mm painted hexagonal aluminum handle and N1 blade.

All blades below are made of H.S.S., Hardness 62-64Rc except N10 Cobalt 65-67Rc

<table>
<thead>
<tr>
<th>BLADES</th>
<th>Order No.</th>
<th>Incl. angle (degrees)</th>
<th>Pkg. weight (grams)</th>
<th>Package quantity</th>
<th>Works best on</th>
</tr>
</thead>
<tbody>
<tr>
<td>N1</td>
<td>BN1010</td>
<td>40</td>
<td>13</td>
<td>10</td>
<td>steel, aluminum and plastic</td>
</tr>
<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>
</tr>
<tr>
<td>N10 Cobalt</td>
<td>BN1310</td>
<td>45</td>
<td>13</td>
<td>10</td>
<td>plastic and hard materials</td>
</tr>
<tr>
<td>N3</td>
<td>BN3010</td>
<td>50</td>
<td>13</td>
<td>10</td>
<td>both int. and ext. burrs</td>
</tr>
<tr>
<td>N6</td>
<td>BN6001</td>
<td>40</td>
<td>6</td>
<td>1</td>
<td>cross holes in difficult to reach places</td>
</tr>
</tbody>
</table>

L/R - for left and right hand users.
COUNTERSINK NG3100
The standard tool for countersinking. Useful for chamfering deep holes. Includes: NG-3 handle, C holder and C20 countersink (20mm).

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

HOLDER
C Holder CH3000
Holds C12, C20 and C30 countersinks. M7 external thread. Has an hexagonal cross section to prevent rotating inside handle. Length: 131mm.
### COUNTERSINKS

**MINI REVERSIBLE RC1000**
Very fine tool for deburring both back and front sides of holes.
Range: 3-5.5mm.
Includes: steel handle and R1 blade.

**MEDIUM REVERSIBLE RC2000**
Range: 5-10mm.
Includes: steel handle and R2 blade.

**LARGE REVERSIBLE RC2200**
Range: 10-22mm.
Includes: steel handle and R3 blade.

**TO REPLACE THE BLADE**
Pull the aluminum knob out of the handle. At its end there is an hexagonal key. Use this key to replace the blade.

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

<table>
<thead>
<tr>
<th>BLADES</th>
<th>Order No.</th>
<th>Range (mm)</th>
<th>Countersinking angle (degrees)</th>
<th>Weight (grams)</th>
<th>Package quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>C12</td>
<td>BC1211</td>
<td>1-12</td>
<td>90</td>
<td>25</td>
<td>1</td>
</tr>
<tr>
<td>C20</td>
<td>BC2011</td>
<td>3-20</td>
<td>90</td>
<td>28</td>
<td>1</td>
</tr>
<tr>
<td>C30</td>
<td>BC3011</td>
<td>3-30</td>
<td>90</td>
<td>58</td>
<td>1</td>
</tr>
<tr>
<td>R1</td>
<td>BR1001</td>
<td>3-5.5</td>
<td>90</td>
<td>5</td>
<td>1</td>
</tr>
<tr>
<td>R2</td>
<td>BR2001</td>
<td>5-10</td>
<td>90</td>
<td>7</td>
<td>1</td>
</tr>
<tr>
<td>R3</td>
<td>BR3001</td>
<td>10-22</td>
<td>90</td>
<td>8</td>
<td>1</td>
</tr>
</tbody>
</table>
**H.D. EXT. ROTODRIVE NG3500**
Chamfers the O.D. on bars and tubes. Range: 8-28mm.
Includes: NG-3 handle, H.D. external RotoDrive holder, and EX28 countersink.

**H.D. ROTODRIVE NG3400**
40mm 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.

**HANDLES**

**NG-1 Handle NG1000**
NogaGrip-1 holds all S 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.

**HOLDERS**

**H.D. RotoDrive Holder EL0802**
Heavy duty cranked holder. External M7 thread to hold C12, C20 and C30 countersinks. h 40mm.

**H.D. Ext. RotoDrive Holder EL0902**
Heavy duty cranked holder. Accepts EX28 external countersink. h 40mm.
COUNTERSINKS

EXT. ROTODRIVE NG1700
Chamfers the O.D. on bars and tubes. Quickest way to chamfer O.D. on almost all materials. Range: 4-18mm. Includes: NG-1 handle and external RotoDrive EX18 countersink.

ROTODRIVE NG1200
The quickest way to chamfer by hand. Single flute countersink provides a smoother cut. Includes: NG-1 handle and RD10.4 RotoDrive countersink.

<table>
<thead>
<tr>
<th>BLADES</th>
<th>Order No.</th>
<th>Range (mm)</th>
<th>Countersinking angle (degrees)</th>
<th>Weight (grams)</th>
<th>Package quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>RD3.2</td>
<td>BC3201</td>
<td>0-3</td>
<td>90</td>
<td>6</td>
<td>1</td>
</tr>
<tr>
<td>RD6.3</td>
<td>BC6301</td>
<td>1-6.3</td>
<td>90</td>
<td>10</td>
<td>1</td>
</tr>
<tr>
<td>RD8.3</td>
<td>BC8301</td>
<td>1-8.3</td>
<td>90</td>
<td>12</td>
<td>1</td>
</tr>
<tr>
<td>RD10.4</td>
<td>BC1041</td>
<td>1-10.4</td>
<td>90</td>
<td>15</td>
<td>1</td>
</tr>
<tr>
<td>RD16.5</td>
<td>BC1651</td>
<td>1-16.5</td>
<td>90</td>
<td>34</td>
<td>1</td>
</tr>
<tr>
<td>C12</td>
<td>BC1211</td>
<td>1-12</td>
<td>90</td>
<td>25</td>
<td>1</td>
</tr>
<tr>
<td>C20</td>
<td>BC2011</td>
<td>3-20</td>
<td>90</td>
<td>28</td>
<td>1</td>
</tr>
<tr>
<td>C30</td>
<td>BC3011</td>
<td>3-30</td>
<td>90</td>
<td>58</td>
<td>1</td>
</tr>
<tr>
<td>EX18</td>
<td>EX2001</td>
<td>4-18</td>
<td>90</td>
<td>16</td>
<td>1</td>
</tr>
<tr>
<td>EX28</td>
<td>EX3001</td>
<td>8-28</td>
<td>90</td>
<td>40</td>
<td>1</td>
</tr>
</tbody>
</table>

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

Patented.
MINI SCRAPER NG3700
Ideal for tool and die makers.
Includes: NG-3 handle, D holder, triangular mini scraper D50 blade and hex key.

TRIANGULAR SCRAPER NG3600
Used for standard scraping.
Includes: NG-3 handle, T holder and triangular scraper T70.

HANDLES

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

SC Handle SC1300
12mm anodized handle. Knurled locking collar to control blade extension.
Holds: D50, D66, D75, D77 and T80 scrapers.
Length: 120mm.
Hex. 12mm.

HOLDERS

T Holder EL06023
T holder is designed to hold T50 and T70 new scrapers. Has M5 internal thread.
Length: 113mm

D Holder EL05003
D holder is designed to hold D50 and D66 blades. A 3mm setscrew is holding the blade.
Hex key included.
Length: 131mm.
INTERNAL SCRAPER NG3710
Ideal for cross-holes deburring.
Includes: NG-3 handle, D holder and Internal scraper D66 blade.

ADJUSTABLE SCRAPER
SC8000
Ideal for scraping, trimming and deburring almost all materials.
Includes: 12mm anodized handle and T80 double ended triangular scraper.

All blades below have hardness 62-64Rc, except D55 Carbide 1400-1700 HV, and T80 CR115 58-60Rc.

<table>
<thead>
<tr>
<th>BLADES</th>
<th>Order No.</th>
<th>Width/Length (mm)</th>
<th>Included angle (degrees)</th>
<th>Weight (grams)</th>
<th>Package quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>D50</td>
<td>BD5010</td>
<td>3.2 x 50</td>
<td>60</td>
<td>27</td>
<td>10</td>
</tr>
<tr>
<td>D55 Carbide</td>
<td>BD5501</td>
<td>3.2 x 50</td>
<td>60</td>
<td>9</td>
<td>1</td>
</tr>
<tr>
<td>D66</td>
<td>BD6610</td>
<td>3.2 x 48</td>
<td>50</td>
<td>34</td>
<td>10</td>
</tr>
<tr>
<td>D75</td>
<td>BD7501</td>
<td>3.2 x 75</td>
<td>60</td>
<td>8</td>
<td>1</td>
</tr>
<tr>
<td>D77</td>
<td>BD7701</td>
<td>3.2 x 73</td>
<td>50</td>
<td>9</td>
<td>1</td>
</tr>
<tr>
<td>T50</td>
<td>BT5000</td>
<td>I.D.3.5 x 51</td>
<td>60</td>
<td>8</td>
<td>1</td>
</tr>
<tr>
<td>T70</td>
<td>BT7000</td>
<td>I.D.4.2 x 57</td>
<td>60</td>
<td>11</td>
<td>1</td>
</tr>
<tr>
<td>T80</td>
<td>BT8001</td>
<td>4.5 X 80</td>
<td>60</td>
<td>11</td>
<td>1</td>
</tr>
</tbody>
</table>
**NOGA O-RING BURR**

NG1100

Removes burrs from internal O-ring grooves.

Range: 0-3mm (groove width).

Includes: NG-1 handle and O-ring blade.

---

**NOGA V CUT NG3200**

For deburring sheet metal 1-8mm.

Includes: NG-3 handle, L holder and L3 blade.

---

**HANDLES**

**NG-1 Handle NG1000**

NogaGrip-1 holds all S 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.

---

**HOLDERS**

**K Holder EL04003**

Holds K blades with M3 screw.

Length: 135mm.

---

**L Holder EL07013**

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

Length: 131mm.
DOUBLE EDGE CUTTING

KEYWAY-BURR NG3300
Effectively removes burrs from internal and external keyways. Range: 2.4-11mm. Includes: NG-3 handle, K holder and N80K blade.

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, hand guard and two N80 blades.

All blades are made of H.S.S. Hardness 62-64Rc except N80M42 and N80KM42, 65-67Rc.

<table>
<thead>
<tr>
<th>BLADES</th>
<th>Order No.</th>
<th>Range (mm)</th>
<th>Included angle (degrees)</th>
<th>Package weight (grams)</th>
<th>Package quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>N80</td>
<td>BN8010</td>
<td>0-12</td>
<td>55</td>
<td>35</td>
<td>10</td>
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<tr>
<td>N80M42</td>
<td>BN8043</td>
<td>0-12</td>
<td>55</td>
<td>33</td>
<td>10</td>
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<tr>
<td>N70K</td>
<td>BN7001</td>
<td>1.2-8</td>
<td>55</td>
<td>5</td>
<td>1</td>
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<tr>
<td>N80K</td>
<td>BN8110</td>
<td>2.4-11</td>
<td>55</td>
<td>30</td>
<td>10</td>
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<td>N80KM42</td>
<td>BN8143</td>
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<td>55</td>
<td>29</td>
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<td>N90K</td>
<td>BN9009</td>
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<tr>
<td>L3</td>
<td>BL3001</td>
<td>1-8</td>
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<td>6</td>
<td>1</td>
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<tr>
<td>L4</td>
<td>BL4001</td>
<td>0-2.5</td>
<td>50</td>
<td>6</td>
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<tr>
<td>O-Ring</td>
<td>BO1001</td>
<td>1.3</td>
<td>40</td>
<td>9</td>
<td>1</td>
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<tr>
<td>TC</td>
<td>BC1001</td>
<td>Max. 3</td>
<td>90</td>
<td>8</td>
<td>1</td>
</tr>
</tbody>
</table>
deburring system

CONVEXED CERA-CUT CR2000
Ideal for all plastic materials and soft metals. Ideal for surface scraping and parting line deflashing. Blade can be replaced. Includes: Cera-Cut handle and 250mm convexed radius blade.

CONCAVED CERA-CUT CR2300
Ideal for all plastic materials and soft metals. Ideal for curved edges and small ridges. Blade can be replaced. Includes: Cera-Cut handle and 15mm concaved radius blade.

HANDLE

CERA-CUT Handle CR2100
A unique plastic handle that holds the blade by its self gripping taper. Storage space for spare blades. Length: 135mm.

To Remove blade
1. Remove the cap from the rear of the tool.
2. Insert the cap in the round hole and turn 90°.
3. Pull the blade out.

To insert blade
1. Insert the blade into the groove.
2. To secure the blade in place, hold the blade and lightly tap the handle against a solid surface.
## CERAMICS

### 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.

### CERAMIC DOUBLE BURR DB5000
Ideal for deburring both sides of a workpiece simultaneously. Blade can be replaced.

Range: 1-11 mm.

Includes: V-shaped ceramic blade mounted in ergonomically designed DB handle with safety guard to protect your hand.

<table>
<thead>
<tr>
<th>BLADES</th>
<th>Order No.</th>
<th>Material</th>
<th>Incl. angle (degrees)</th>
<th>Weight (grams)</th>
<th>Package quantity</th>
<th>Applications</th>
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<tbody>
<tr>
<td>Convexed</td>
<td>CR2200</td>
<td>Ceramic 1250HV</td>
<td>90</td>
<td>9</td>
<td>1</td>
<td>Ideal for surface cleaning and parting line deflashing</td>
</tr>
<tr>
<td>Concaved</td>
<td>CR2500</td>
<td>Ceramic 1250HV</td>
<td>90</td>
<td>9</td>
<td>1</td>
<td>Ideal for curved edges and small ridges</td>
</tr>
<tr>
<td>V Shaped</td>
<td>CR5100</td>
<td>Ceramic 1250HV</td>
<td>90</td>
<td>90</td>
<td>1</td>
<td>Removes burrs from both sides simultaneously</td>
</tr>
</tbody>
</table>
PROMO SETS
Deburs: Steel, aluminum and plastic.

S PROMO SET NG8150
Includes:
NogaGrip 1 handle
10pcs. S10 blades.

N PROMO SET NG8000
Includes:
NogaGrip 2 handle
10pcs. N1 blades.

Best seller

B10 SET
Deburs: Steel, aluminum and Plastic

B10 SET SG6000
Includes:
NogaGrip 2 handle
20pcs. B10 Blades.

Free handle

ECONOMY SETS
Deburs: Steel, aluminum and plastic.

S ECONOMY SET NG8200
Includes:
NogaGrip 1 handle
20pcs. S10 blades.

N ECONOMY SET NG8050
Includes:
NogaGrip 2 handle
20pcs. N1 blades.

Free handle

Pack dimensions: 169 x 117 x 26mm

NG8150

NG8200
**SETS AND KITS**

**COBALT SETS**
Deburrs: Plastic and hard materials

**S COBALT SET NG8250**
Includes: NogaGrip 1 handle
20pcs. S100 cobalt blades.

**N COBALT SET NG8100**
Includes: NogaGrip 2 handle
20pcs. N10 cobalt blades.
Free handle

**GOLDEN SETS**
Deburrs: Abrasive materials for long life

**S10TiN NG8152**
Includes: NogaGrip 1 handle,
10 Pcs., S10 TiN Blades

**S20TiN NG8162**
Includes: NogaGrip 1 handle,
10 Pcs., S20 TiN Blades
Free handle

**TELE SETS**
Deburrs: Steel, aluminum, plastic, brass and cast iron

**S TELE SET NG8350**
Includes: NogaGrip 3 handle
S holder
5pcs. S10 blades
5pcs. S20 blades.

**N TELE SET NG8300**
Includes: NogaGrip 3 handle
N holder
5pcs. N1 blades
5pcs. N2 blades.
Free handle

Pack dimensions: 169 x 117 x 26mm
deburring system

PLATINUM BOX NG9500
Collected to meet the total requirements of tool and die makers and for deburring specialists

Includes:
Double Burr
NogaGrip 1 handle
NogaGrip 3 handle
Teddy Burr handle
S holder
N holder
K holder + N80K
D holder + D50
D holder + D66
C holder + C20
T holder + T70
18mm external RotoDrive blade
10.4mm countersink RotoDrive.
Blades: N1, N2, S10, S20, S30 and S150.
Hex key (1.5mm).

Pack dimensions: 270 x 230 x 50mm

GOLD BOX NG9400
The most complete box for professional machinists

Includes:
NogaGrip 3 handle
Adjustable scraper
Plastic Edge Off handle.
S holder
N holder
C holder + C20
D holder + D50
K holder + N80K
Blades: N1, N2, S10, S20, S30, S150, D66 and 10.4 Countersink RotoDrive.
Hex key (1.5mm).

Pack dimensions: 270 x 230 x 50mm
SETS AND KITS

SILVER UNIKIT NG9300
Most suitable for MRO

Includes:
- NogaGrip 3 handle
- S holder
- Medium reversible countersink
- Plastic Edge Off handle
- 3.2mm RotoDrive countersink
- 10.4mm RotoDrive countersink
- 16.5mm RotoDrive countersink
- 18mm External RotoDrive
- Blades: S10, S20 and S30.

Pack dimensions: 215 x 120 x 40mm

BRONZE UNIKIT NG9200
Most economical deburring kit for all machinists

Includes:
- NogaGrip 3 handle
- N holder
- S holder
- C holder + C20
- D holder + D50
- Blades: N1, N2, S10, S20, S30 and S150

Pack dimensions: 215 x 120 x 40mm
NOGA 007 SP1007
Deburring, cleaning, finishing and countersinking

Includes:
RB handle
O-Ring blade
RD16.5 RotoDrive countersink
RDE18 External RotoDrive countersink
Thread cleaner blade
S100 blade
S150 blade

Pack dimensions: 125 x 78 x 48mm

PLASTIC EDGE OFF SET EO2100
The most economical set

Includes:
EO handle + S10 blade, green sleeve (for aluminum)
EO handle + S20 blade, red sleeve (for brass & cast iron)
EO handle + S100 blade, blue sleeve (for steel)
EO handle + S150 blade, yellow sleeve (for plastic)

Pack dimensions: 222 x 78 x 22mm
**NOGA MINI SET NG9100**

*Universal set*

Includes:
- NogaGrip 3 handle.
- N holder - holds all N blades.
- S holder - holds all S blades.
- Blades: N1, N2, S10, S20, S30 and S150

Pack dimensions: 175 x 30 x 30mm

---

**NOGA TRIO RB3000**

*Standard set*

Includes:
- RB handle + S20 blade, red sleeve (brass & cast iron)
- RB handle + S100 blade, blue sleeve (steel & aluminium)
- RB handle + S150 extra fine blade, yellow sleeve (plastic)

Pack dimensions: 175 x 50 x 20mm
deburring system

SOFT GRIP SG1000
Ergonomically held handle. Two holes accepts both S and N blades.
Includes: SG handle, S100 and N10 cobalt blades.

LIZA BURR LB1000
Double end blade holder to utilize both N and S blades. Telescopes from 20-110mm with N blades. 20-94mm 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 double ended T120 triangular scraper.

LEADER NG3800
Chamfering straight or curved edges. Ensures 45° chamfering.
Includes: NG-3 handle, LD holder and L1 blade.
SPECIALTY TOOLS

**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 MINI CUT NG3220**
Used for deburring small ridges in difficult to reach places. Range: 0-2.5mm. Includes: NG-3 handle, L holder and L4 blade.

**NOGA CORNER CLEANER NG3230**
Effective corner relief. Wide range of applications. Includes: NG-3 handle, L holder and L6 blade.

**THREAD CLEANER NG1600**
For cleaning damaged internal threads. Minimum Dia. 9mm. Maximum thread pitch 3mm. Includes: NG-1 handle and TC blade.
PLASTIC RAPID BURR RB1400
Holds all S blades (3.2mm). The blade is replaceable. Includes: plastic handle and S100 blade.

PLASTIC EDGE OFF EO2000
Most competitive tool. Holds all S blades (3.2mm). The blade is replaceable. Includes: plastic handle and S10 blade.

PLASTIC REAMER SP8100
Deburr both inside and outside edges of tube. Made of plastic body. Have 3 cutters. Reamer for aluminum, brass and copper tubing. Range: 4-42mm.
## SPECIALTY BLADES

<table>
<thead>
<tr>
<th>Blades</th>
<th>Order No.</th>
<th>Works best on</th>
</tr>
</thead>
<tbody>
<tr>
<td>N1 Carbide</td>
<td>BN1029</td>
<td>hardened steel &amp; special plastics</td>
</tr>
<tr>
<td>N1 Diamond</td>
<td>BN1028</td>
<td>glass &amp; ceramics</td>
</tr>
<tr>
<td>N2 Carbide</td>
<td>BN2031</td>
<td>hardened steel &amp; hard plastics</td>
</tr>
<tr>
<td>N1 LH</td>
<td>BN1026</td>
<td>steel, aluminum &amp; plastic</td>
</tr>
<tr>
<td>N1 LHTiN</td>
<td>BN1027</td>
<td>steel, aluminum &amp; plastic. For long life.</td>
</tr>
<tr>
<td>S10 Carbide</td>
<td>BS1016</td>
<td>hardened steel &amp; plastic</td>
</tr>
<tr>
<td>S10 Diamond</td>
<td>BS1014</td>
<td>glass &amp; ceramics</td>
</tr>
<tr>
<td>S10 LH</td>
<td>BS1011</td>
<td>steel, aluminum &amp; plastic</td>
</tr>
<tr>
<td>S10 LHTiN</td>
<td>BS1013</td>
<td>steel, aluminum &amp; plastic. For long life.</td>
</tr>
<tr>
<td>S100 TiN</td>
<td>BS1019</td>
<td>stainless steel &amp; plastic. For long life.</td>
</tr>
<tr>
<td>S20 Carbide</td>
<td>BS2015</td>
<td>hardened materials &amp; plastic</td>
</tr>
<tr>
<td>S101 LH</td>
<td>BK1011</td>
<td>H.D. shank for steel, aluminum &amp; plastic</td>
</tr>
<tr>
<td>S101 TiN</td>
<td>BK1012</td>
<td>H.D. shank for steel, aluminum &amp; plastic. For long life.</td>
</tr>
<tr>
<td>S150 TiN</td>
<td>BK3103</td>
<td>holes as small as 1.5mm Dia. For long life.</td>
</tr>
<tr>
<td>S30 TiN</td>
<td>BS3003</td>
<td>both int. &amp; ext. 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>S70</td>
<td>BS7001</td>
<td>straight edges</td>
</tr>
<tr>
<td>L1</td>
<td>BL1001</td>
<td>steel and aluminum</td>
</tr>
<tr>
<td>L5</td>
<td>BL5001</td>
<td>slots from 3.5mm</td>
</tr>
<tr>
<td>L6</td>
<td>BL6001</td>
<td>sharp corners</td>
</tr>
<tr>
<td>L7</td>
<td>BL7001</td>
<td>slots from 3.5mm. Double end.</td>
</tr>
<tr>
<td>T120</td>
<td>BT1200</td>
<td>H.D. scraping. Double end.</td>
</tr>
</tbody>
</table>

**LH** - for left hand users only.  **L/R** - for left and right hand users.
All NOGA products meet the strict requirements of ISO9001 and ISO14001. We invite you to visit our web site: www.noga.com for more information.

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## CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preface</td>
<td>4</td>
</tr>
<tr>
<td>The right choice of a holder</td>
<td>5</td>
</tr>
<tr>
<td>Articulated holders FAT (Fine Adjustment Top)</td>
<td>6 - 7</td>
</tr>
<tr>
<td>Articulated holders FAB (Fine Adjustment Base)</td>
<td>8 - 9</td>
</tr>
<tr>
<td>PH holders FAT</td>
<td>10 - 11</td>
</tr>
<tr>
<td>PH holders FAB</td>
<td>12 - 13</td>
</tr>
<tr>
<td>Specialty holders</td>
<td>14 - 15</td>
</tr>
<tr>
<td>Sets and indicators</td>
<td>16 - 17</td>
</tr>
<tr>
<td>Bases</td>
<td>18 - 19</td>
</tr>
<tr>
<td>Modular holders</td>
<td>20 - 21</td>
</tr>
<tr>
<td>Comparator stands and concentromat</td>
<td>22 - 23</td>
</tr>
</tbody>
</table>
NOGA is proud to present its new line of holding systems.

These state of the art mechanical holders, are divided into two groups, ARTICULATED and PH, both designed to hold dial and test indicators, as well as many other components.

NOGA holders are also used in many other fields such as: machine construction, medical instruments, photography, light, sound and more.

NOGA holders consist of three main parts: Arms, base and top (See diagram on right).

NOGA ARTICULATED HOLDERS - articulated arms, with central locking mechanism.

NOGA PH HOLDERS - post and arm, with unique 3 points clamp.

Each group of holders consists of four sizes of arms, so you can always find one to suit your needs.

NOGA holders have fine adjustment mechanism, whether it is on the top (FAT), or at the base (FAB).

The plastic fine adjustment and the 2SM are now replaced by our top fine adjustment which is made of metal, and is the only fine adjustment to hold 6mm, 8mm, 3/8”, dove tail and back lug.

NOGA SPECIALTY HOLDERS - eight unique individual items. These are well known patented items.

NOGA SETS - four sets of holders and indicators.

NOGA BASES - eight different magnetic bases from 320 N to 1300 N, a 350 N vacuum base, and five clamps.

NOGA MODULAR HOLDERS - another useful addition to this catalog is the modular holders section which allows the user almost unlimited range of holding applications.

NOGA COMPARATOR STANDS and CONCENTROMAT - all are ground to 2 microns.
THE RIGHT CHOICE OF A HOLDER

- Choose the kind of arms needed, articulated or PH (post holder).
- When zero-setting is very important, use fine adjustment at base (FAB). In all other cases use fine adjustment on top (FAT).
- Decide what kind of base you want. Magnetic, vacuum or others.
- Depending on the type of indicator and job to be inspected, choose either standard clamp or NOGA unique swivel clamp.
- Consult the relevant section in this catalog to choose the right holder.
NOGA articulated holders with fine adjustment on top

Due to its stability and ease of use, NOGA articulated holder has become the industry most wanted.

- New fine adjustment on top with universal swivel clamp.
- Holds 6mm, 8mm, 3/8", dovetail and back lug.
- Central locking mechanism with NOGA designed spring loaded bearing.
- Five axis holder.
- Powerful on/off magnetic base.
- Instant fixation in any position.
- Fast and easy to set up gauges into required position.
- Black finished arms.

<table>
<thead>
<tr>
<th>Holder</th>
<th>Bottom thread</th>
<th>Weight [Kg]</th>
<th>Bottom arm L1</th>
<th>Top arm L2</th>
<th>Total L1 + L2 + L3</th>
<th>Force [N]</th>
<th>Dimension W</th>
<th>L</th>
<th>H</th>
</tr>
</thead>
<tbody>
<tr>
<td>NF61003</td>
<td>Ext. M5</td>
<td>0.520</td>
<td>56</td>
<td>51</td>
<td>178</td>
<td>320</td>
<td>30</td>
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<td>51</td>
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<td>DG61003</td>
<td>Ext. M8</td>
<td>1.350</td>
<td>110</td>
<td>101</td>
<td>282</td>
<td>800</td>
<td>50</td>
<td>60</td>
<td>55</td>
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<td>DG60103</td>
<td>Ext. M8</td>
<td>0.340</td>
<td>110</td>
<td>101</td>
<td>282</td>
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<tr>
<td>MG61003</td>
<td>Ext. M8</td>
<td>1.900</td>
<td>133</td>
<td>113</td>
<td>317</td>
<td>800</td>
<td>50</td>
<td>60</td>
<td>55</td>
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<tr>
<td>MG60103</td>
<td>Ext. M8</td>
<td>0.900</td>
<td>133</td>
<td>113</td>
<td>317</td>
<td>--</td>
<td>--</td>
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<tr>
<td>MA61003</td>
<td>Ext. M10 x 1.25</td>
<td>5.100</td>
<td>326</td>
<td>242</td>
<td>637</td>
<td>1300</td>
<td>50</td>
<td>120</td>
<td>55</td>
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<tr>
<td>MA60103</td>
<td>Ext. M10 x 1.25</td>
<td>3.100</td>
<td>326</td>
<td>242</td>
<td>637</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

All measurements are in mm unless otherwise mentioned.
holding system

MG10503
DG10503
NF10403
NOGA has developed a unique fine adjustment mechanism which is placed on the magnetic base. This mechanism allows the hand to rest on the base rather than on the clamp of the indicator. Zero-setting becomes faster than with any other mechanism.

- Unique single direction fine adjustment at base.
- Powerful on/off magnetic base.
- Holds 8mm or 3/8” and dovetail.
- Central locking mechanism with NOGA designed spring loaded bearing.
- Five axis holder.
- Instant fixation in any position.
- Easy to set up gauges into required position.
- Black finished arms.

**Articulated Holders FAB**

**Order no.** | **Weight [Kg]** | **Standard clamp** | **Order no.** | **Bottom arm** | **Arm length** | **Magnet**
---|---|---|---|---|---|---
NF10403 | 0.520 | D 8 | FA1100 | 56 | L1 | 128.5 | [N] 320 | W 30 | L 40 | H 35
NF10433 | 0.520 | 3/8” | FA1120 | 56 | L2 | 128.5 | [N] 320 | W 30 | L 40 | H 35
DG10503 | 1.400 | 8 | FA1100 | 110 | L1 + L2 + L3 | 232.5 | [N] 800 | W 50 | L 60 | H 55
DG10533 | 1.400 | 3/8” | FA1120 | 110 | Top arm | 232.5 | [N] 800 | W 50 | L 60 | H 55
MG10503 | 1.900 | 8 | FA1100 | 133 | L1 | 267.5 | [N] 800 | W 50 | L 60 | H 55
MG10533 | 1.900 | 3/8” | FA1120 | 133 | L2 | 267.5 | [N] 800 | W 50 | L 60 | H 55

All measurements are in mm unless otherwise mentioned.
holding system

PH6600

PH6800

PH6400
NOGA economical holders with fine adjustment on top

NOGA PH (Post Holder) holders are the latest improvement of the traditional indicator holder.

• New fine adjustment on the top with universal swivel clamp.
• Holds 6mm, 8mm, 3/8", dovetail and back lug.
• Powerful on/off magnetic base.
• Strong arm lock by using 3 points clamp.
• Easy to set up gauges into required position.
• Nickel plated arms.

All measurements are in mm unless otherwise mentioned.

<table>
<thead>
<tr>
<th>Holder</th>
<th>Arm length and diameter</th>
<th>Magnet</th>
<th>3 points clamp</th>
</tr>
</thead>
<tbody>
<tr>
<td>Order no.</td>
<td>Bottom thread</td>
<td>Diameter</td>
<td>Post</td>
</tr>
<tr>
<td>PH6400</td>
<td>M8</td>
<td>1.700</td>
<td>ø14 x 203</td>
</tr>
<tr>
<td>PH6410</td>
<td>M8</td>
<td>0.700</td>
<td>ø14 x 203</td>
</tr>
<tr>
<td>PH6600</td>
<td>M8</td>
<td>2.300</td>
<td>ø16 x 260</td>
</tr>
<tr>
<td>PH6610</td>
<td>M8</td>
<td>1.070</td>
<td>ø16 x 260</td>
</tr>
<tr>
<td>PH6800</td>
<td>M10 x 1.25</td>
<td>3.450</td>
<td>ø18 x 350</td>
</tr>
<tr>
<td>PH6810</td>
<td>M10 x 1.25</td>
<td>1.450</td>
<td>ø18 x 350</td>
</tr>
</tbody>
</table>
holding system

PH3100
PH2040
PH4016
NOGA economical holders with fine adjustment at base

- Single direction fine adjustment at base.
- Powerful on/off magnetic base.
- Universal swivel clamp for all dial and test indicators.
- Holds 6mm, 8mm, 3/8", dovetail and back lug.
- Strong arm lock by using 3 points clamp.
- Easy to set up gauges into required position.
- Nickel plated arms.

<table>
<thead>
<tr>
<th>Holder</th>
<th>Arm length and diameter</th>
<th>Magnet</th>
<th>3 points clamp</th>
<th>Universal swivel clamp</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH3100</td>
<td>Ø 10 x 120, Ø 8 x 110</td>
<td>320</td>
<td>30 40 35</td>
<td>PH0315 FA1210</td>
</tr>
<tr>
<td>PH2040</td>
<td>Ø 14 x 203, Ø 12 x 185</td>
<td>800</td>
<td>50 60 55</td>
<td>PH0310 FA1410</td>
</tr>
<tr>
<td>PH4016</td>
<td>Ø 16 x 260, Ø 16 x 225</td>
<td>1000</td>
<td>50 70 55</td>
<td>PH0312 FA1410</td>
</tr>
</tbody>
</table>

All measurements are in mm unless otherwise mentioned.
holding system

NF1015 / NF1018
NF1022
NF1030 / NF1033
NF1021 / NF1024
MG71003

SIMPLY SOPHISTICATED
SPECIALTY HOLDERS

In respond to market demand NOGA offers 8 holders with special features.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Clamp</th>
<th>On/off switchable magnet.</th>
</tr>
</thead>
<tbody>
<tr>
<td>NF1021</td>
<td>8mm</td>
<td>Magnet dimensions - W30 x L40 x H35.</td>
</tr>
<tr>
<td>NF1024</td>
<td>3/8&quot;</td>
<td>Magnet force - 320N.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Weight: 0.575 Kg.</td>
</tr>
<tr>
<td>NF1030</td>
<td>8mm</td>
<td>Permanent magnet.</td>
</tr>
<tr>
<td>NF1033</td>
<td>3/8&quot;</td>
<td>Magnet dimensions - W16 x L60 x H32.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Magnet force - 280N.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Weight: 0.545 Kg.</td>
</tr>
</tbody>
</table>

- 5 axis holder.
- Patented 360° fine adjustment at base.
- Holds indicator with stem and dovetail.
- Central locking mechanism with NOGA designed spring loaded bearing.
- Bottom arm - 56mm.
- Top arm - 51mm.
- Black finished arms.

| NF1015    | 8mm    | Used for centering of workpieces. |
| NF1018    | 3/8"   | Holds indicator with stem or dovetail. |
|           |        | Central locking mechanism with spring loaded bearing. |
|           |        | Bottom arm - 56mm. |
|           |        | Top arm - 51mm. |
|           |        | Centering rod ø 8mm x 40 mm. |
|           |        | Black finished arms. |
|           |        | Weight: 0.345 Kg. |

| NF1022    | universal | Universal fine adjustment, holds: 6mm, 8mm, 3/8", dovetail and back lug. |

| MG71003   | universal | New fine adjustment on top with universal swivel clamp. |
|           |          | Holds 6mm, 8mm, 3/8", dovetail and back lug. |
|           |          | Central locking mechanism with NOGA designed spring loaded bearing. |
|           |          | 5 axis holder. |
|           |          | Powerful on/off magnetic base. |
|           |          | Instant fixation in any position. |
|           |          | Fast and easy to set up gauges into required position. |
|           |          | Black finished arms. |
|           |          | Bottom arm - 163.5 mm. |
|           |          | Top arm - 113 mm. |
|           |          | Bottom thread - Ext. M8. |
|           |          | Magnet force - 800N. |
|           |          | Magnet dimensions - W50 x L60 x H55. |
|           |          | Weight: 1.950 Kg. |
MG6150 Heavy duty holder set
Includes:
MG61003
DG1000

DG6150 Standard holder set
Includes:
DG61003
DG1000

NF6150 Mini holder set
Includes:
NF61003
NF1000 Indicator

NF1036 Centering set
Includes:
NF1022
NF1000 Indicator
NOGA offers four sets combining the most popular holders with the world’s best made indicators.

- Dial diameter 58 mm.
- Stem diameter 8 mm.
- Measuring range 10 mm.
- Graduations 0.01 mm.

- Lever-type test indicator, dial diameter 39 mm.
- Measuring range 0.8 mm.
- Graduations 0.01 mm.
- Contact point 2 mm dia., 20.9 mm length.
- Three dovetails for clamping.

<table>
<thead>
<tr>
<th>Holder</th>
<th>Arm length</th>
<th>Indicators</th>
<th>Magnet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Order no.</td>
<td>Bottom thread</td>
<td>Weight [Kg]</td>
<td>Bottom arm L1</td>
</tr>
<tr>
<td>NF6150</td>
<td>Ext. M5</td>
<td>0.600</td>
<td>56</td>
</tr>
<tr>
<td>NF1036</td>
<td>–</td>
<td>0.360</td>
<td>56</td>
</tr>
<tr>
<td>DG6150</td>
<td>Ext. M8</td>
<td>1.600</td>
<td>110</td>
</tr>
<tr>
<td>MG6150</td>
<td>Ext. M8</td>
<td>2.100</td>
<td>133</td>
</tr>
</tbody>
</table>

All measurements are in mm unless otherwise mentioned.
holding system

DG0039  DG0038  DG0036  NF0037
DG0118  DG3678  NF3778
DG0040  DG1003

see page 19
Bases

NOGA bases

Eight different magnets ranging from the world’s smallest switchable on/off (320N) to a large magnetic base (1300N), a 350N vacuum base and 5 clamps are offered for our customers’ choice.

Order no. | Type                                | Weight [Kg] | Force [N] | Thread        | W  | L  | H  |
----------|--------------------------------------|-------------|-----------|---------------|----|----|----|
NF0037    | On/off magnet                        | 0.230       | 320       | M5            | 30 | 40 | 35 |
NF3778    | On/off magnet with fine adj.         | 0.250       | 320       | M5            | 30 | 40 | 35 |
DG0036    | On/off magnet                        | 1.000       | 800       | M8            | 50 | 60 | 55 |
DG3678    | On/off magnet with fine adj.         | 1.100       | 800       | M8            | 50 | 60 | 55 |
DG0038    | On/off magnet                        | 1.270       | 1000      | M8            | 50 | 75 | 55 |
DG0118    | On/off magnet with fine adj.         | 1.380       | 1000      | M8            | 50 | 75 | 55 |
DG0039    | On/off magnet                        | 2.000       | 1300      | M10 x 1.25    | 50 | 120| 55 |
DG1003    | On/off magnet multi thread           | 1.350       | 1000      | M6/8/10/12 10 x 1.25 | 50 | 75 | 55 |
DG0040    | Vacuum base                          | 0.400       | 350       | M8            |   |    |    |
MA0322    | 4” clamp                             | 1.150       | –         | Ext. M10 x 1.25 | – | 100 | – |
MA0320    | 4” clamp                             | 1.160       | –         | Int. M10 x 1.25 | – | 100 | – |
MG1006    | 3” clamp                             | 0.570       | –         | Ext. M8       | – | 75  | – |
MG1003    | 3” clamp                             | 0.600       | –         | Int. M8       | – | 75  | – |
MG0125    | 3” clamp with plastic cover          | 0.600       | –         | Int. M8       | – | 75  | – |

All measurements are in mm unless otherwise mentioned.
holding system

NF60003  DG60003  MG60003  MG70003  MA60003
MODULAR HOLDERS

Five different sizes of articulated arms are offered for a wide range of applications. Choose the arms that fit your needs. A number of accessories are shown below. Custom-made accessories are available upon request. Minimum quantity 500 pcs.

Order no. | Weight [Kg] | Int. thread | Arms length
---|---|---|---
NF60003 | 0.210 | M6 | 56
DG60003 | 0.250 | M6 | 110
MG60003 | 0.750 | M8 | 133
MG70003 | 0.800 | M8 | 163
MA60003 | 3.000 | M10 x 1.25 | 326

All measurements are in mm unless otherwise mentioned.
NOGA high quality comparator stand holds indicators and probes for thickness and comparator work.

**NOGA comparator stands**

- Microlapped plates 2 microns flatness to DIN876 grade 00.
- Plates are made of hardened chrome rich steel. High wear resistance.
- Base and indicator holder are made of finest casting.
- Measures microns.
- 25 mm dia. Stainless steel post.
- Accepts all electronic and standard gauges.
- Polyurethane moldings under base prevent slipping.

**SP6200**

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Total height</th>
<th>Plate</th>
<th>Plate size</th>
<th>Column</th>
<th>Max. measuring height</th>
<th>Cross arm</th>
<th>Weight [Kg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP6200*</td>
<td>205</td>
<td>Serrated anvil face</td>
<td>78 x 78</td>
<td>ø 25</td>
<td>120</td>
<td>74</td>
<td>4</td>
</tr>
<tr>
<td>SP6400</td>
<td>193</td>
<td>Flat anvil face</td>
<td>Dia. 50</td>
<td>ø 25</td>
<td>100</td>
<td>74</td>
<td>2.4</td>
</tr>
</tbody>
</table>

* Available with fine adjustment (SP6300), available with ceramic plate and fine adjustment (SP6100).
The Concentromat is a universal gauge for checking the concentricity of round parts having diameter of 1mm to 25mm. Used for checking external diameter, internal diameter and curved surface.

Includes:

- Hardened and ground stainless steel plate.
- Two moving "V" blocks each with two replaceable carbide pins.
- Carbide stop, which is flat and perpendicular to the "V" blocks.
- Scrolling device.
- Retractable articulated arm for test indicator holder. (NF1000 test indicator not included).
- All parts can be easily moved and set along the base, enabling parts of different geometries to be tested.