

**NOGA**  
*simply sophisticated*

Innovation is the beneficial utilization of knowledge and creativity,  
in order to discover and realize what does not yet exist.

Erik Keldmann

**Noga is innovation**



# 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.

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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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# Heavy Duty Applications



# Heavy Duty

## **NOGA BURR 3 NG1003**

Will do most of your deburring jobs.

INCLUDES: NG-1 handle, S10, S20 and S35 blades.

## **NOGA BURR 5 NG1005**

Same as NG1003 with 2 extra blades.

Suitable for coarse to extra fine deburring operations.

INCLUDES: NG-1 handle, S10, S20, S35, S101 and S202 blades.



## **SUPER BURR NG3003**

For heavy duty jobs.

INCLUDES: NG-3 handle, S holder, S100, S20 and S30 blades.



## **EDGE OFF 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



# Handles S Blades



## NG-1 Handle NG1000

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



## NG-3 Handle NG3000

NogaGrip-3 - holds all blade holders. Spare blades can be kept inside the handle. 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.



## BLADES

BLADES	order no.		incl. angle (degrees)	package weight (g)	package quantity	works best on:
<b>S10</b>	BS1010		<b>BEST SELLER</b> 40	42	10	steel, aluminium and plastic
<b>S10TiN</b>	BS1012		40	42	10	abrasive material
<b>S20</b>	BS2010	L/R	<b>BEST SELLER</b> 60	43	10	brass and cast iron
<b>S20TiN</b>	BS2012	L/R	60	43	10	stainless steel
<b>S30</b>	BS3010		40	40	10	both int. and ext. burrs
<b>S35</b>	BS3510	L/R	<b>BEST SELLER</b> 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		<b>BEST SELLER</b> 45	42	10	plastic and hard materials
<b>S101</b>	BK1010		40	39	10	fine edges on all materials
<b>S150</b>	BK3010		<b>BEST SELLER</b> 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	L/R	55	40	10	brass and cast iron fine edges

L/R - for left and right hand users.

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

# Heavy Duty S Blade Sets



**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



### 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 E02100

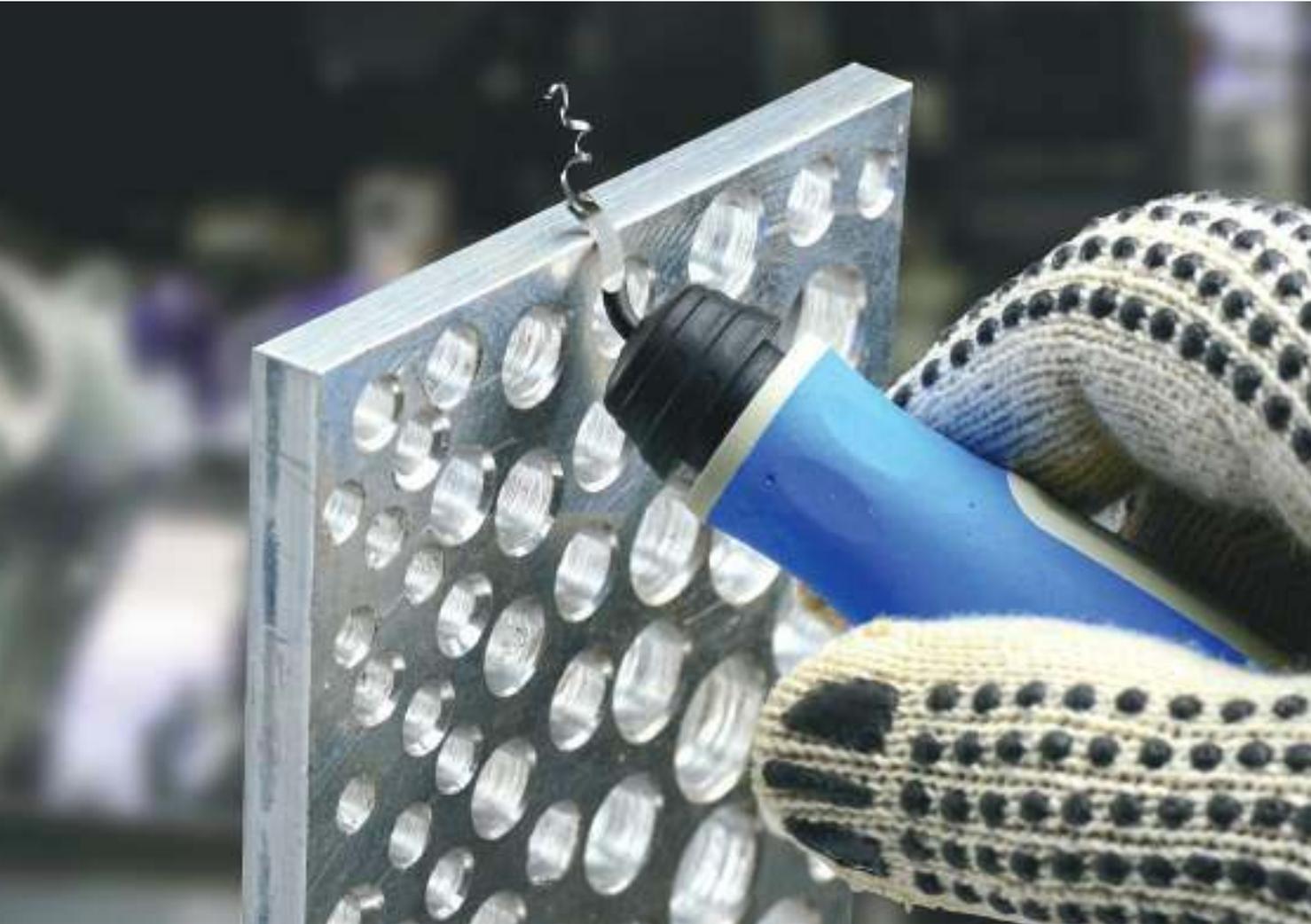
INCLUDES:  
 EO handle + S10 blade - BS1010  
 (green for aluminium)  
 EO handle + S20 blade - BS2010  
 (red for brass and iron cast)  
 EO handle + S100 blade - BS1018  
 (blue for steel)  
 EO handle + S150 blade - BK3010  
 (yellow for plastic)



### 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.



## 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



# 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

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	L/R  	80	14	10	brass and cast iron
<b>N2 TiN</b>	BN2012	L/R 	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 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.

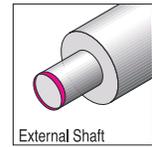
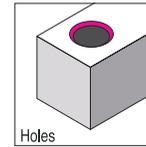
INCLUDES: NG-3 handle, H.D. cranked RotoDrive holder and C20 countersink (20 mm).



# Countersink C Blades



# Handles C Blades



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

## 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



## BLADES

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.



## 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.



## 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.



## QUICK CONNECT ROTODRIVE NG1800

Quick connection to the tool blade holder. The quickest way to chamfer by hand. Single Flute Countersink provides a smoother cut. Range: 3-25 mm.

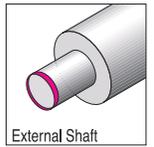
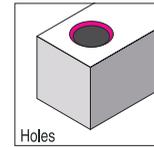
INCLUDES: NG-1 handle, cranked quick connect holder CH3300 and countersink blade BC 2511.



# Countersink RD Blades



# Handles RD Blades



## 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



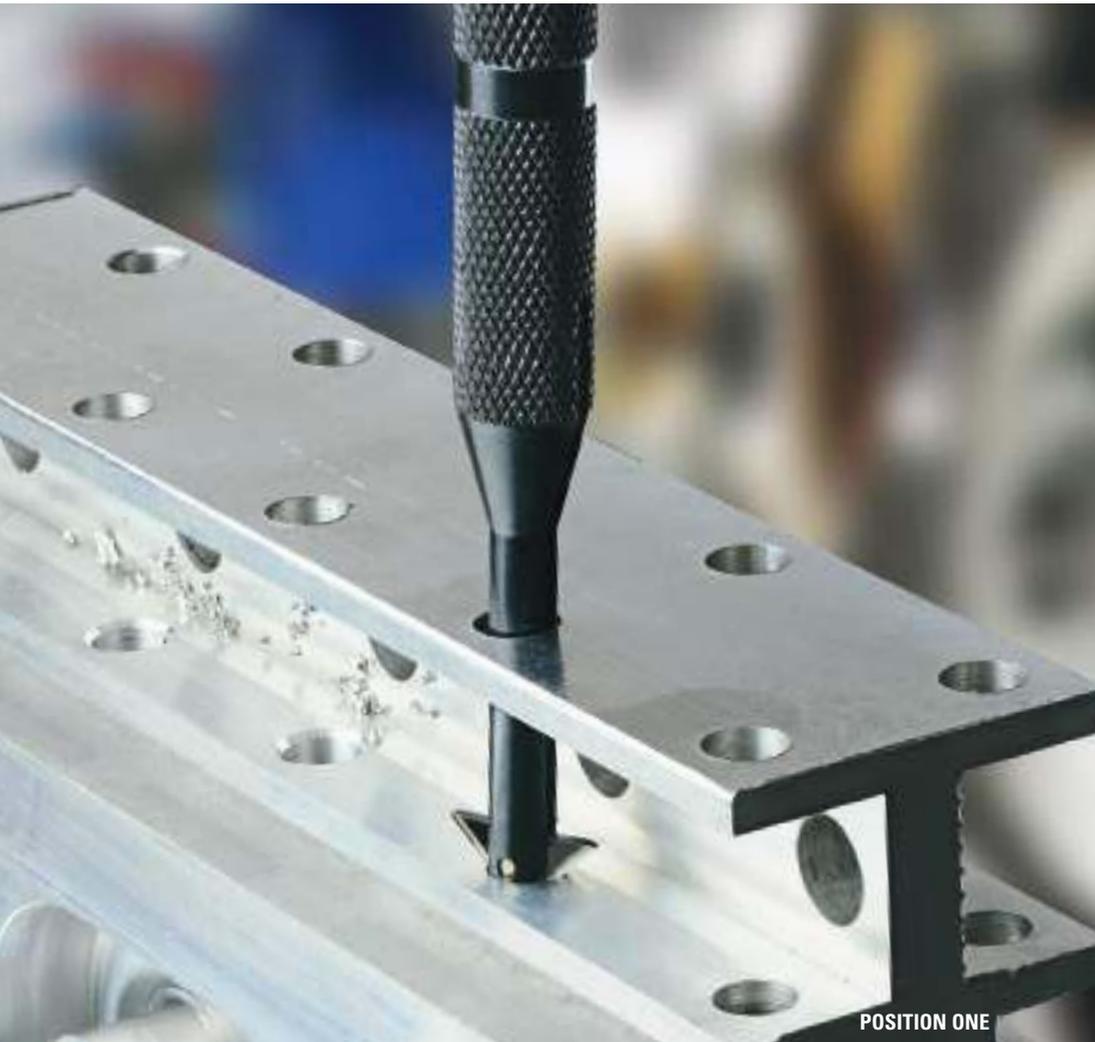
Work best on steel, aluminum and plastic. TiN coated blades have a vastly extended blade life

BLADES	order no.		range (mm)	angle (degrees)	package weight (g)	package quantity
<b>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

# Countersink Reversible



# Handles

## 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.



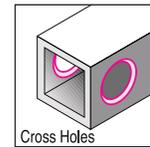
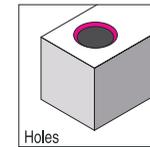
## LARGE REVERSIBLE RC2200

Range: 10-22 mm.

INCLUDES: Steel handle, R3 blade.



# R Blades



## BLADES

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



# 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 SC8000

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



## SCRAPER YT1200

Ideal for scraping, trimming and deburring most materials.  
INCLUDES: YT 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

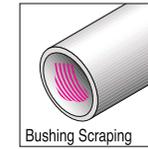
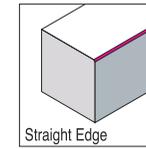
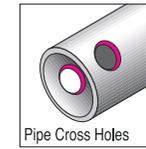
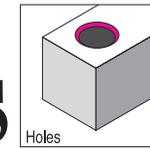
Ideal for cross-holes deburring.  
INCLUDES: NG-3 handle, D holder, D66 internal scraper blade and allen key.



# Scraper Blades



# Handles D and T Blades



## NG-3 Handle NG3000

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



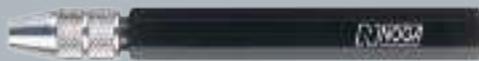
## YT Handle YT1000

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



## SC Handle SC1300

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.



## 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.

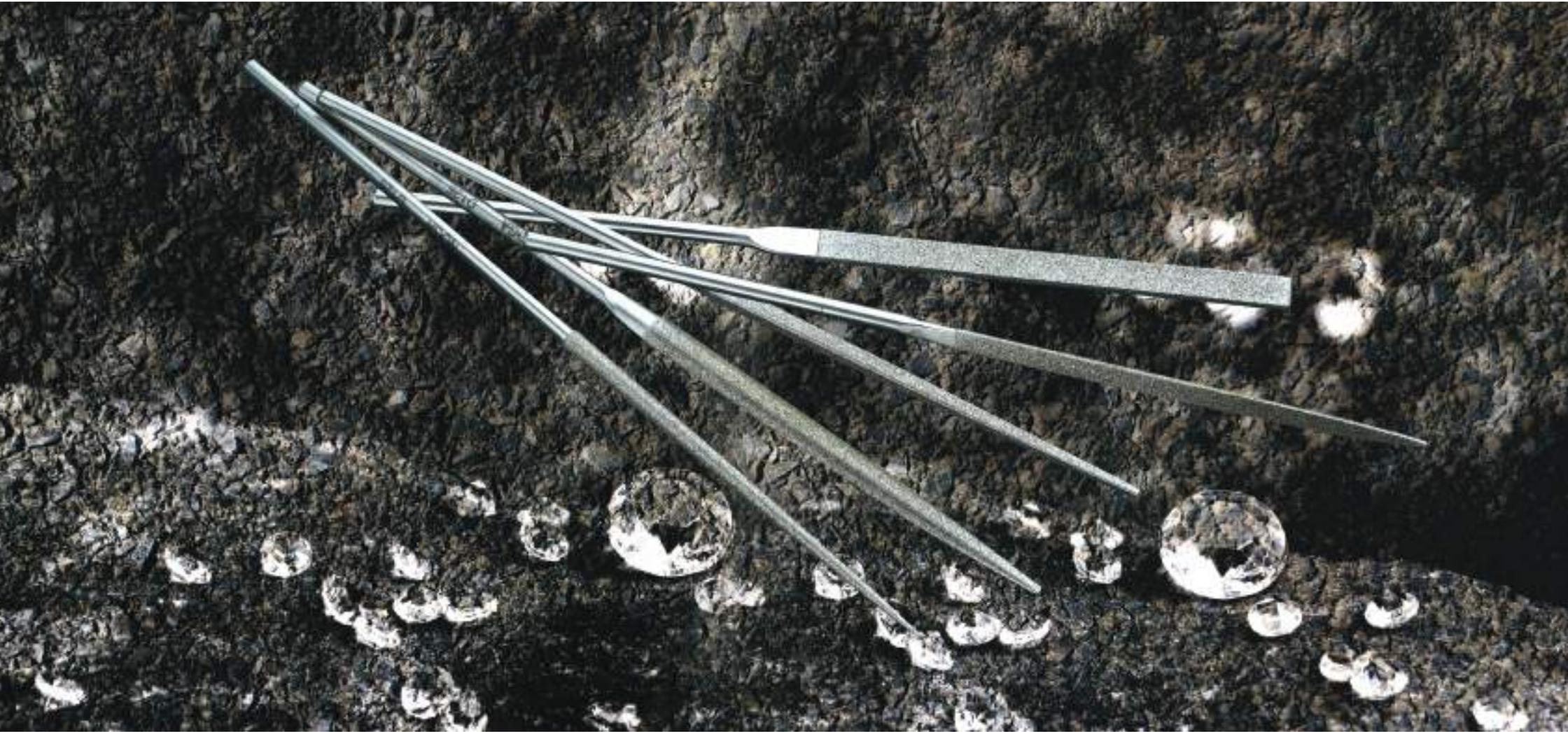


## TN Holder EL0608

Holds T40 and T60 scraper blades. NF10 Int. thread. Length 113 mm.



# Diamond Needle Files and Sets



# 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:  
1 pc. DT1050, DT1051,  
DT1052, DT1053, DT1054

## YT 3300 Set

INCLUDES:  
YT handle YT1000  
5 Files:  
1 pc. 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  $\varnothing$  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.



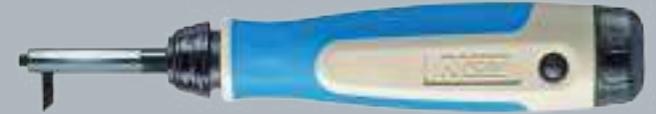
## NOGA V CUT NG3200

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.



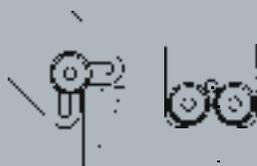
## NOGA O-RING BURR NG1100

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

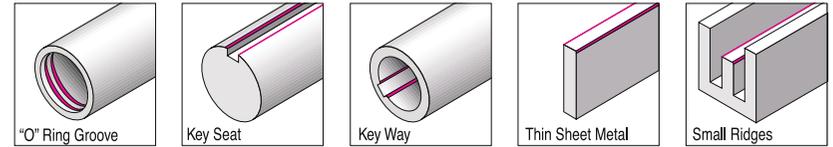
Simultaneously removes burrs from both sides of sheet metal. DB handle with safety guard to protect your hand. Unique round cutting blades can be rotated and reversed for long life. For corners, use one blade only. Range: 0-12mm.  
INCLUDES: DB handle, handguard and two N80 blades.



# Double Edge Cutting Blades



# Handles      Blades



**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

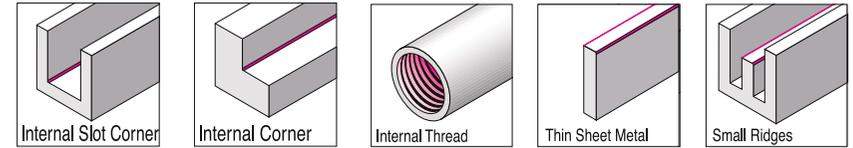
	order no.		range (mm)	angle (degrees)	package weight (g)	package quantity
<b>N80</b>	BN8010		0-12	55	34	10
<b>N80M42</b>	BN8043		0-12	55	32	10
<b>N70K</b>	BN7001		1.2-8	55	5	1
<b>N80K</b>	BN8110		2.4-11	55	31	10
<b>N80KM42</b>	BN8143		2.4-11	55	29	10
<b>N90K</b>	BN9009		3-15	55	8	1
<b>L3</b>	BL3001	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

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

# Single Edge Cutting



# Single Edge Cutting



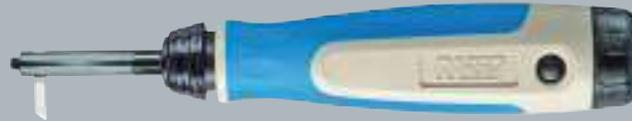
## NG-1 Handle NG1000

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



## 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).



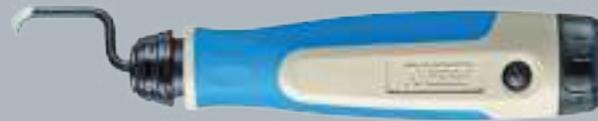
## NG-3 Handle NG3000

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



## 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 LEADER NG3800

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



## 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



## BLADES

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

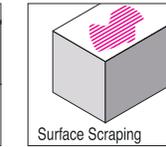
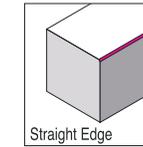
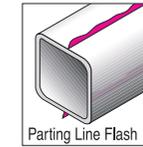
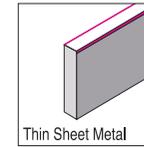
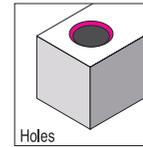
Double ended

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

# Ceramic Applications



# Ceramic



## 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.



## 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

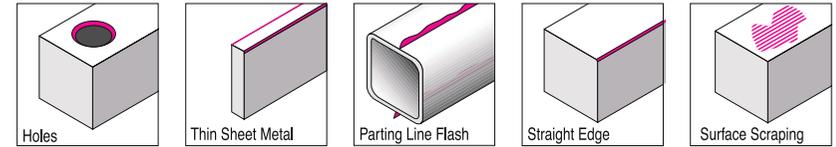
Ideal for simultaneously double edge deburring.  
Range 1 - 11 mm.  
INCLUDES: DB handle, hand guard and V-shaped ceramic blade.



# Ceramic CR Blades



# Handles      Blades



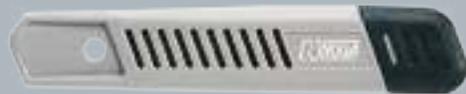
## Noga-Cut Handle NC5000

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



## Cera-Cut Handle CR2100

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



## Ceramic Mini Handle CR1400

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



## Ceramic Mini Scraper Handle

YT 10004

Perfect grip for adjustable ceramic mini scrapers.



## 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.

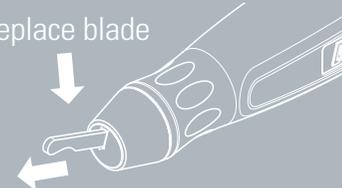


To insert blade



Push blade into aperture.

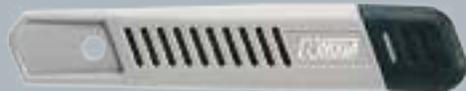
To replace blade



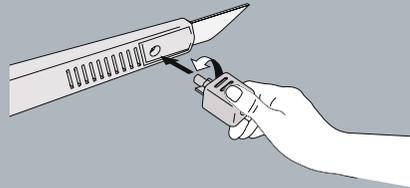
Press existing blade downward and release by pulling out.

## Cera-Cut Handle CR2100

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

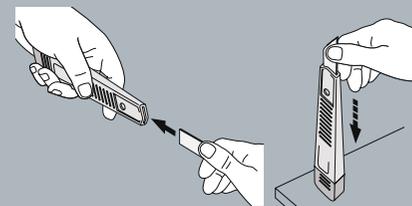


To remove blade



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

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:

**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 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

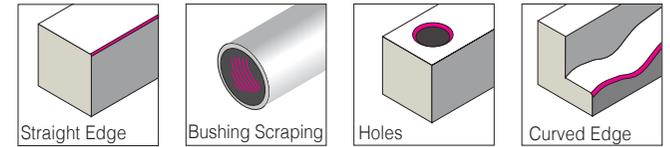
**THE TOOL AND BLADE COLLECTION DISPLAY**  
SP7300



INCLUDES:  
**Tools:**  
5 pcs. Noga Burr-3 NG1003  
Rotodrill 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

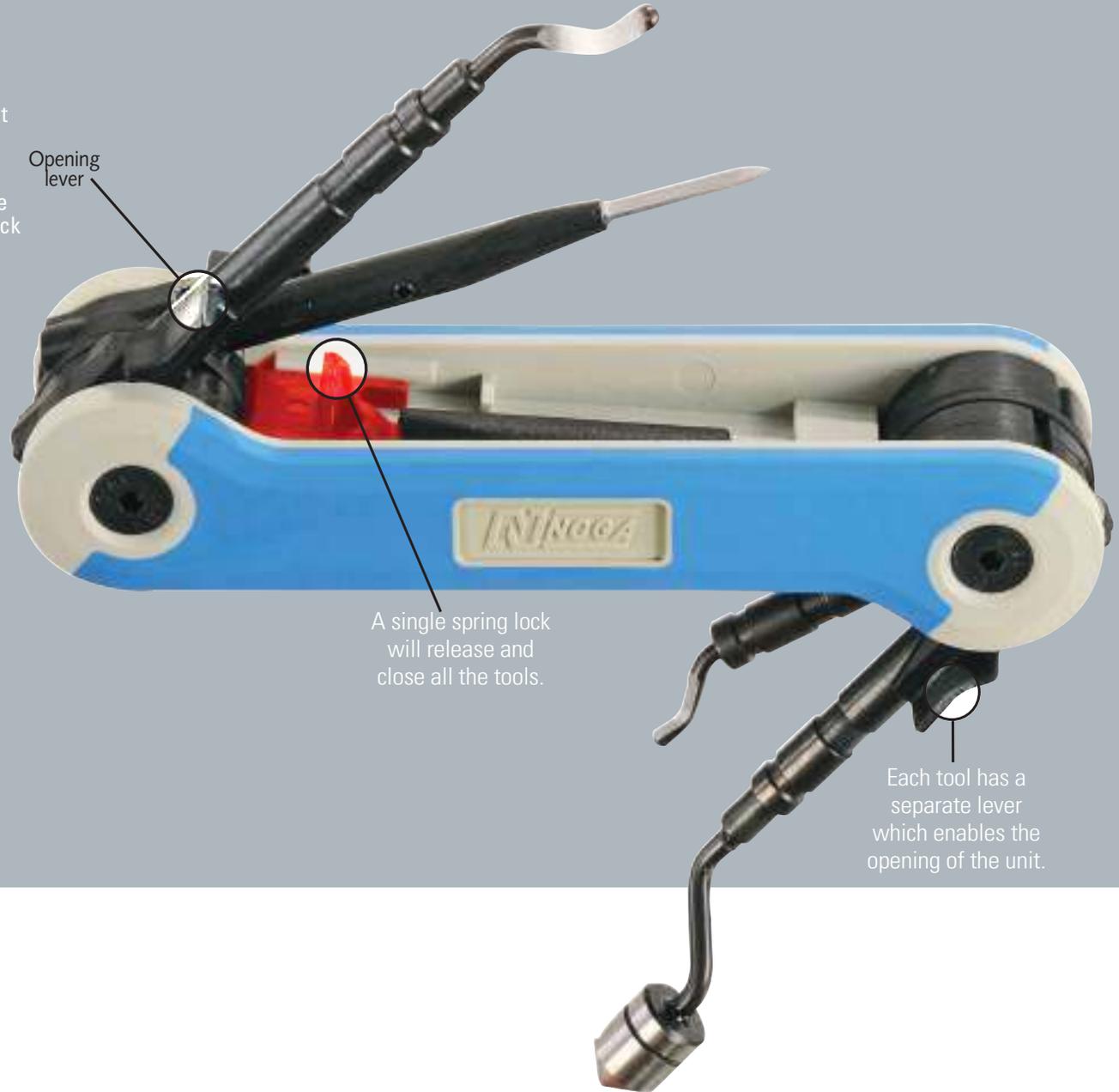
### 10.4 mm Rotodrive Countersink Blade

Quickest way to chamfer.

Range 1-10.4 mm

### N2 Blade

Works best on brass and cast iron





## 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.



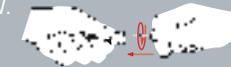
INCLUDES:  
**SG** handle, **S100** and **N10** Cobalt blades.

### 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.

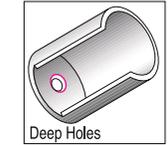
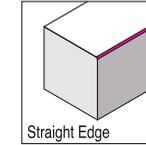
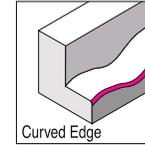
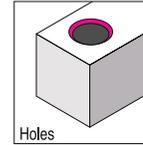


A wide variety of tools, blade holders and blades are available for use with the versatile Universal Chuck Handle.

## 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.





## LIZA BURR LB1000

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



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

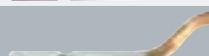
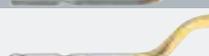
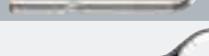
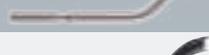
## SCRAPER SC1000

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



INCLUDES:  
UNI handle and T120 double ended triangular scraper.

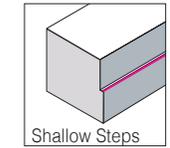
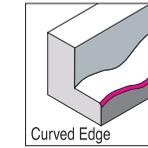
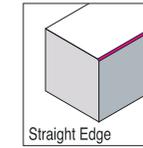
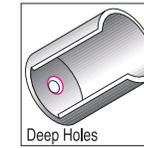
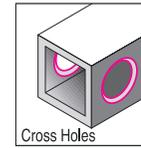
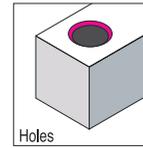
# Specialty S Blades

BLADES	order no.		works best on:
<b>S10 Carbide</b>	BS1016		hardened steel and plastic
<b>S10 Diamond</b>	BS1014		glass and ceramics
<b>S10 LH</b>	BS1011	LH 	steel, aluminium and plastic
<b>S10 LH TiN</b>	BS1013	LH 	steel, aluminium and plastic. For long life.
<b>S100 TiN</b>	BS1019		stainless steel and plastic. For long life.
<b>S20 Carbide</b>	BS2015	L/R 	hardened materials and plastic
<b>S101 LH</b>	BK1011	LH 	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	LH	steel, aluminum and plastic
<b>N1 LH TiN</b>	BN1027	LH	steel, aluminum and plastic. For long life.
<b>N2 Carbide</b>	BN2031	L/R	hardened steel and hard plastic

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

# Chip Hooks



# Chip Hooks - Fixed

Removes chips and cleans the chip trays on your machines. Black finished steel hooks. Includes a special  $\varnothing 130\text{mm}$  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
- 2 pcs. SP2600



SP2600

SP2500



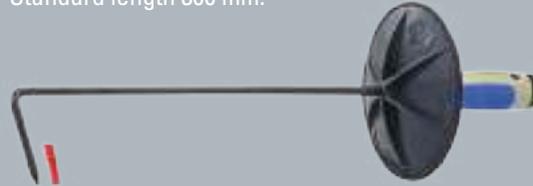
SP2550



# 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  $\varnothing 130\text{mm}$  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.



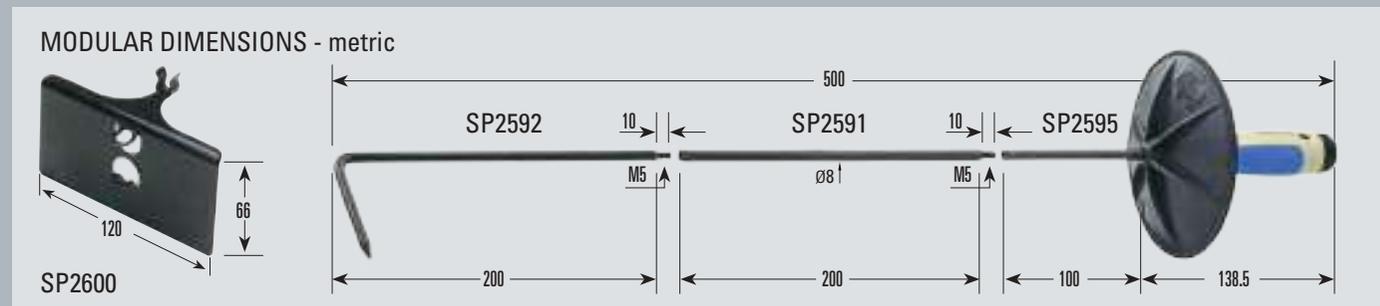
**CHIP HOOK WITH SHOVEL SP2730**  
Standard length 300 mm.



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



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



# 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**

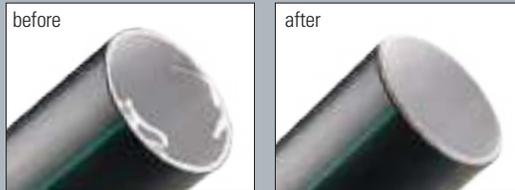
Edge Off  
Rapid Burr  
Noga Burr 1, 3

# 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.

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	$3/4''$ - $2\ 1/2''$
	INT.	40 - 75 mm	$1\ 1/4''$ - $2\ 1/2''$
PC6100	Replacement blade		

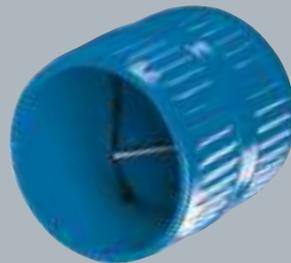
# Inner - Outer Reamer

## 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.

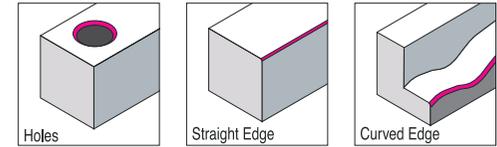
SP8200



order no.	range	
SP8200	12 - 50 mm	$\frac{1}{2}$ " - 2"



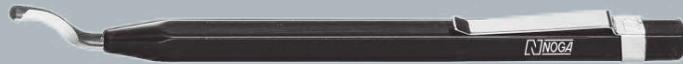
# Deburring Tools



## EDGE OFF EO1000

Disposable tool. A handy pocket clip is a standard feature of this tool.

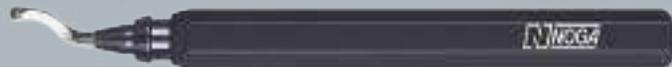
INCLUDES: S10 blade mounted in an 8 mm painted hexagonal aluminum handle.



## 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.



## 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.



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	L/R	60	43	10	brass and cast iron
<b>S35</b>	BS3510	L/R	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.



# Main Content

**DEBURRING SYSTEMS**

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**HOLDING SYSTEMS**

**66-111**

**COOLING SYSTEMS**  
CUTTING FLUID APPLICATORS

**112-124**

**INDEX**

**125-126**

# Holding Systems



**NOGA**  
*simply sophisticated*

# Contents

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		Unique arms with plastic fine adjustment for EDM and vacuum base for granite surfaces	
<b>ARTICULATED HOLDERS FAT</b>	<b>71-74</b>	<b>POST HOLDERS FAT</b>	<b>95-98</b>
Noga articulated holders with fine adjustment at top		Noga PH holders are the latest improvement of the traditional indicator holder with fine adjustment on top	
<b>ARTICULATED HOLDERS FAB</b>	<b>75-78</b>	<b>POST HOLDERS FAB</b>	<b>99-102</b>
Noga articulated holders with fine adjustment at base		PH holders with Noga unique fine adjustment at base	
<b>ARTICULATED HOLDERS FAT &amp; FAB</b>	<b>79-82</b>	<b>MODULAR HOLDERS</b>	<b>103-104</b>
Noga articulated holders with fine adjustment at top and base		Six different sizes of articulated arms	
<b>SETS &amp; INDICATORS</b>	<b>83-84</b>	<b>BASES</b>	<b>105-106</b>
Noga offers three sets combining the most popular holder with the world's best made indicators		Nine different magnets ranging from the world's smallest to a large magnetic base and 5 clamps	
<b>CENTERING HOLDERS</b>	<b>85-88</b>	<b>ACCESSORIES</b>	<b>107-110</b>
		Top attachments, Adaptors, 3 Point Clamps, Knobs, Screws and Clamps	
<b>MINI HOLDERS</b>	<b>89-92</b>		

# Introduction

**NOGA** is proud to present its new catalog 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 several 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) or both.

**NOGA** top fine adjustment is made of metal, and is the only fine adjustment to hold 6mm, 8mm, 3/8" and dove tail.

**NOGA** SPECIALTY HOLDERS - unique individual items. These are Noga well known items.

**NOGA** SETS - 3 sets of holders and indicators.

**NOGA** BASES - different magnetic bases from 200 N to 1300 N, a 350 N vacuum base, and clamps.

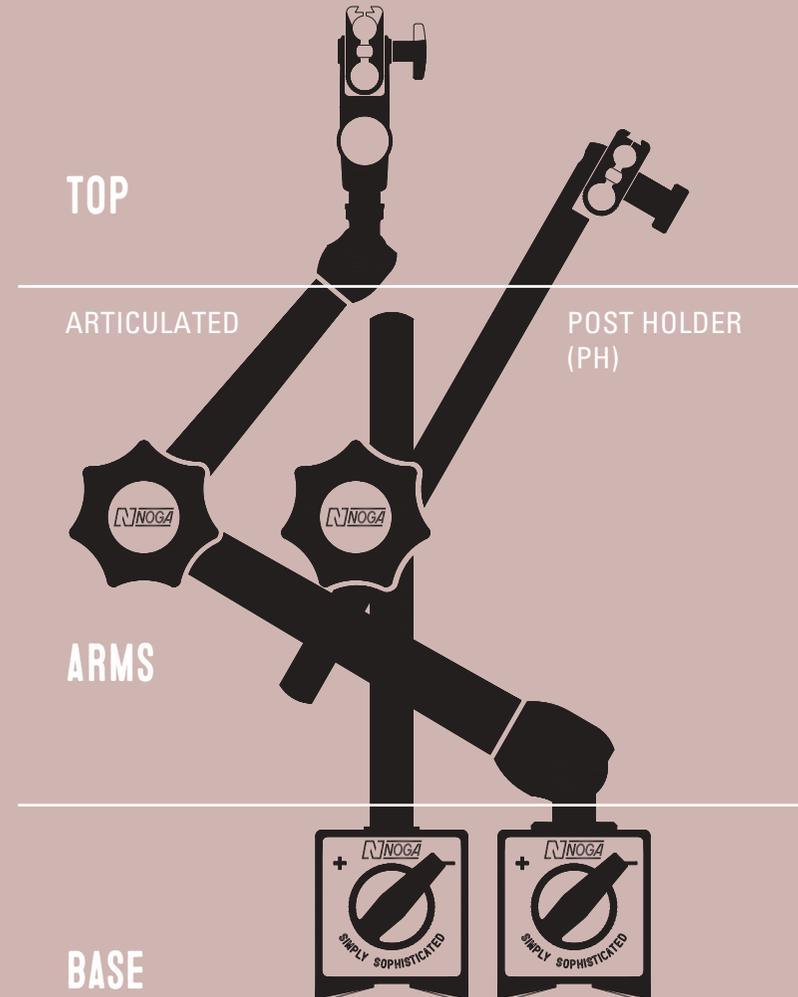
**NOGA** MODULAR HOLDERS - another useful addition to this catalog is the modular holders section which allows the user almost unlimited range of holding applications.

**NOGA** Accessories - A variety of accessories are shown. Custom made accessories are available upon request.



# Choosing the Right 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 fine adjustment with unique swivel clamp.
- Consult the relevant section in this catalog to choose the right holder.



# Articulated Holder FAT\*



# \*Fine Adjustment Top



**MA61003**  
Overall arm length 580 mm



**MG71003**  
Overall arm length 347.50 mm



**MG61003**  
Overall arm length 317 mm



**DG61003**  
Overall arm length 282 mm



**NF61003**  
Overall arm length 178 mm

# Articulated Holders FAT\*

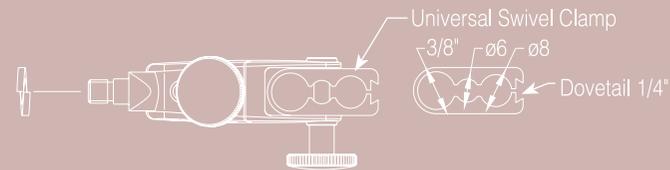
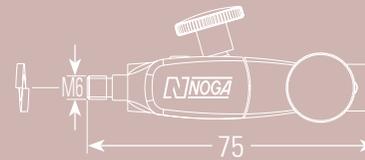
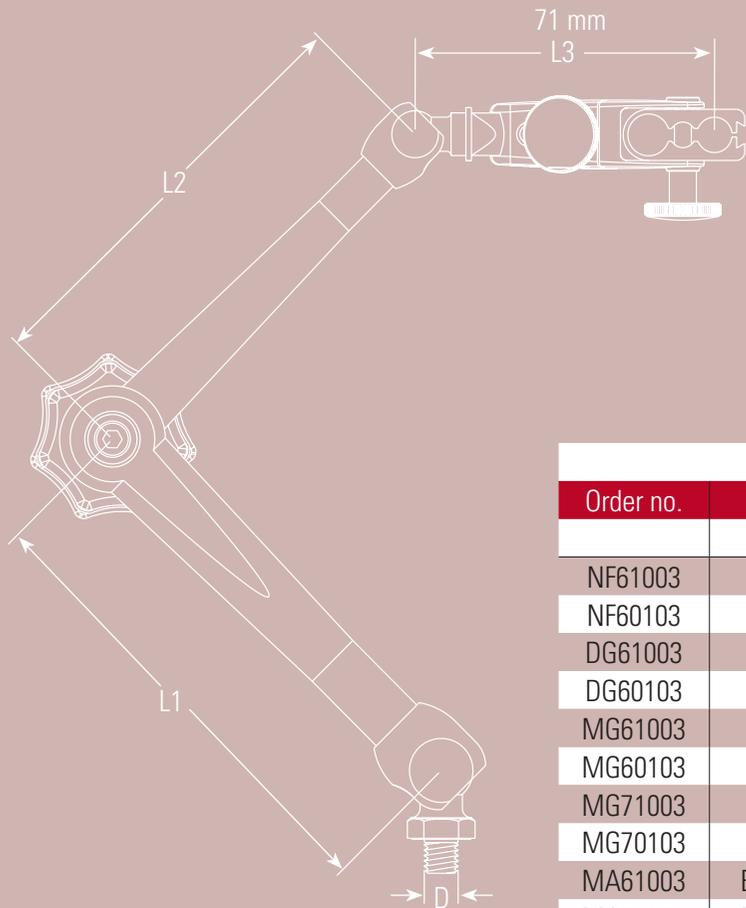


## **NOGA articulated holders with fine adjustment on top**

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

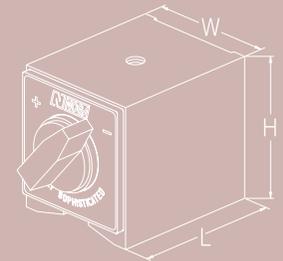
- Fine adjustment on top with universal swivel clamp.
- Holds 6mm, 8mm, 3/8" and dovetail.
- Central locking mechanism with NOGA designed spring loaded bearing.
- Powerful on/off magnetic base.
- Instant fixation in any position.
- Fast and easy to set up gauges into required position.
- Black finished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

# \*Fine Adjustment Top



FA1500

FA1510



Order no.	Holder		Arm length			Magnet			
	Bottom thread	Weight	Bottom arm	Top arm	Total	Force	Dimension		
	D	[Kg]	L1	L2	L1 + L2 + L3	[N]	W	L	H
NF61003	Ext. M5	0.520	56	51	178	320	30	40	35
NF60103	Ext. M5	0.320	56	51	178	-	-	-	-
DG61003	Ext. M8	1.350	110	101	282	800	50	60	55
DG60103	Ext. M8	0.350	110	101	282	-	-	-	-
MG61003	Ext. M8	1.900	133	113	317	800	50	60	55
MG60103	Ext. M8	0.900	133	113	317	-	-	-	-
MG71003	Ext. M8	1.950	163.5	113	347.50	800	50	60	55
MG70103	Ext. M8	0.950	163.5	113	347.50	-	-	-	-
MA61003	Ext. M10 x 1.25	5.100	286.50	222.5	580	1300	50	120	55
MA60103	Ext. M10 x 1.25	3.100	286.50	222.5	580	-	-	-	-

All measurements are in mm unless otherwise mentioned

# Articulated Holder FAB\*



**NOGA**  
*simply sophisticated*

# \*Fine Adjustment Base



**MG10503 / MG10533**  
Overall arm length 267.5 mm



**DG10503 / DG10533**  
Overall arm length 232.5 mm



**NF10403 / NF10433**  
Overall arm length 128.5 mm

# Articulated

# Holder FAB\*

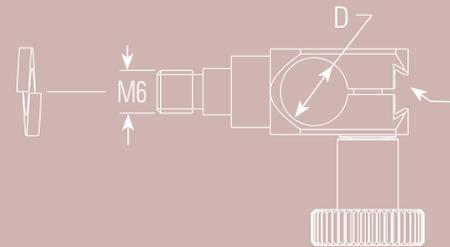
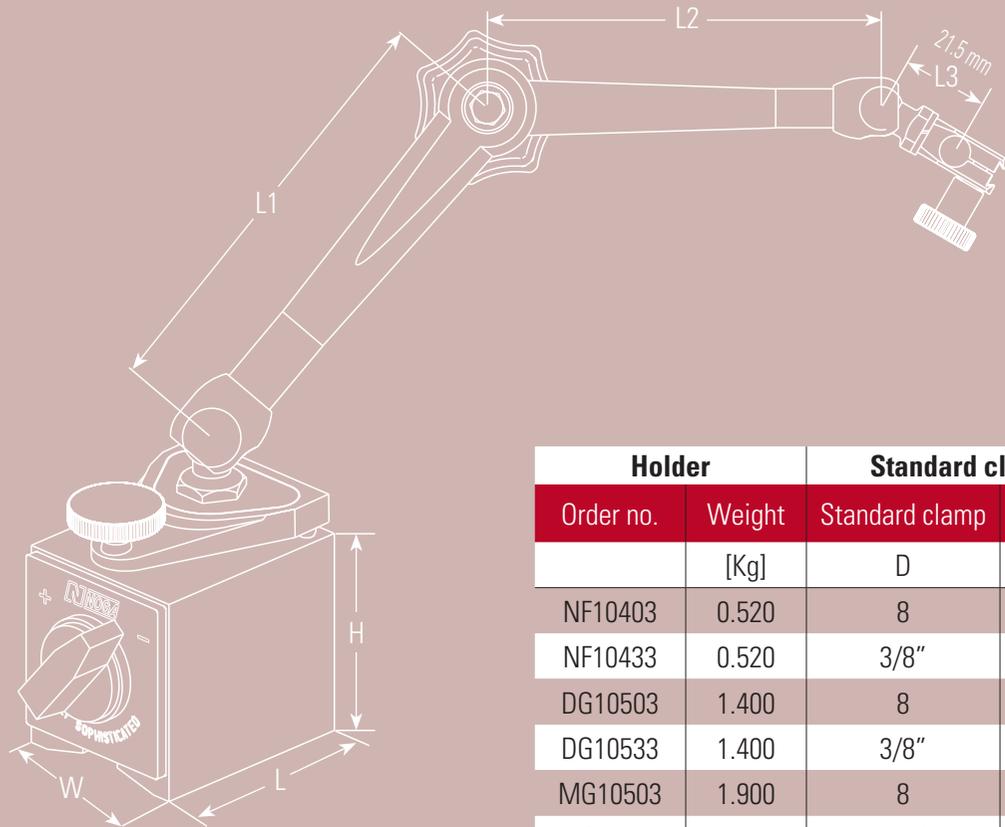


## NOGA articulated holders with fine adjustment at base

NOGA has 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

# \*Fine Adjustment Base



## Standard Clamp

FA 1100 dia. 8 mm and FA 1120 dia. 3/8"

Holder		Standard clamp		Arm length			Magnet			
Order no.	Weight	Standard clamp	Order no.	Bottom arm	Top arm	Total	Force	Dimension		
	[Kg]	D		L1	L2	L1 + L2 + L3	[N]	W	L	H
NF10403	0.520	8	FA1100	56	51	128.5	320	30	40	35
NF10433	0.520	3/8"	FA1120	56	51	128.5	320	30	40	35
DG10503	1.400	8	FA1100	110	101	232.5	800	50	60	55
DG10533	1.400	3/8"	FA1120	110	101	232.5	800	50	60	55
MG10503	1.900	8	FA1100	133	113	267.5	800	50	60	55
MG10533	1.900	3/8"	FA1120	133	113	267.5	800	50	60	55

All measurements are in mm unless otherwise mentioned

# Articulated Holders FAT & FAB\*



**NOGA**  
*simply sophisticated*

# \*Fine Adjustment Top & Base



**MG6161**  
Overall arm length 317 mm



**DG6160**  
Overall arm length 282 mm



**NF6160**  
Overall arm length 178 mm

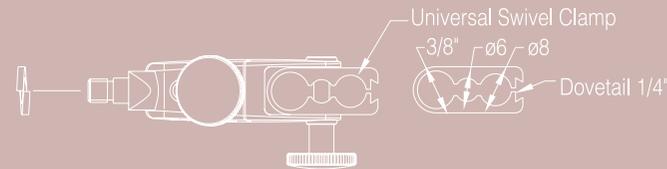
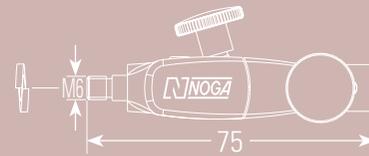
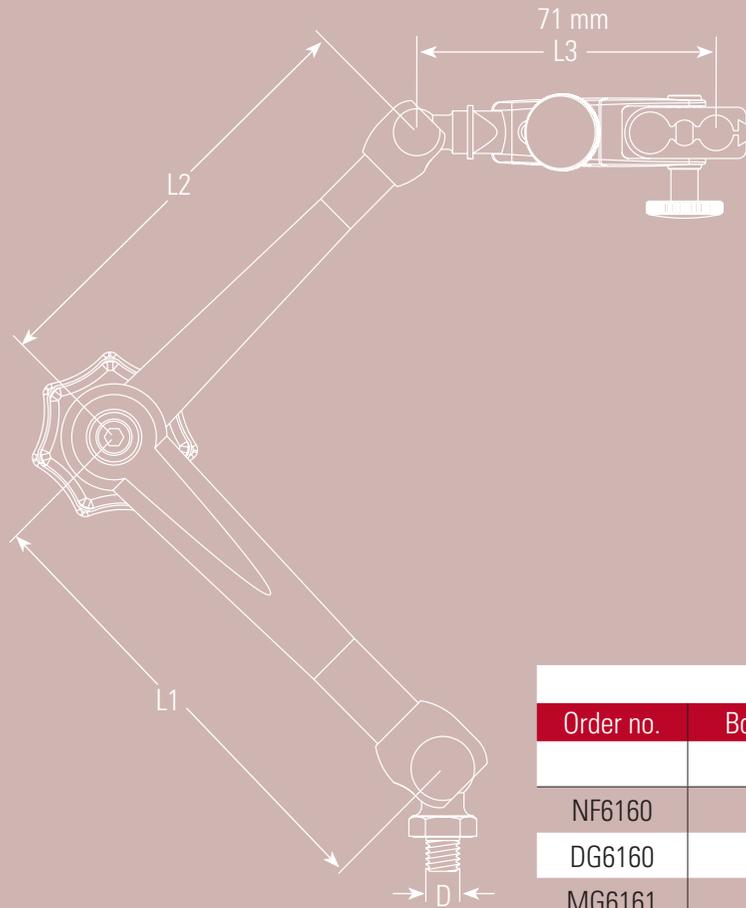
# Articulated Holders FAT & FAB\*



## NOGA articulated holders with double fine adjustment

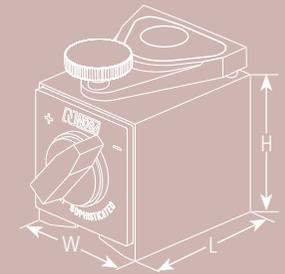
- New double fine adjustment:  
BOTTOM: unique single direction  
TOP: universal swivel clamp
- Holds 6 mm, 8 mm, 3/8" and dovetail.
- Unique central locking mechanism with Noga designed spring loaded bearing.
- Five axis holder.
- Powerful ON/OFF magnetic base.
- Instantly fastens in any position.
- Fast and easy to set up gauges into required position.
- Black finished arms.

# \*Fine Adjustment Top & Base



FA1500

FA1510



Holder			Arm length			Magnet			
Order no.	Bottom thread	Weight	Bottom arm	Top arm	Total	Force	Dimension		
	D	[Kg]	L1	L2	L1 + L2 + L3	[N]	W	L	H
NF6160	Ext. M5	0.550	56	51	178	320	30	40	35
DG6160	Ext. M8	1.450	110	101	282	800	50	60	55
MG6161	Ext. M8	2.000	133	113	317	800	50	60	55

All measurements are in mm unless otherwise mentioned

# Holder Sets and Indicators



**Heavy Duty Holder Set  
MG6150**

Includes:  
1 pc. articulated holder -  
MG61003  
1 pc. indicator - DG1000



**Standard Holder Set  
DG6150**

Includes:  
1 pc. articulated holder -  
DG61003  
1 pc. indicator - DG1000



**Mini Holder Set  
NF6150**

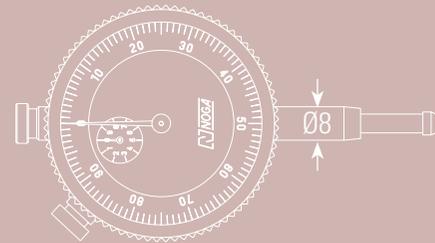
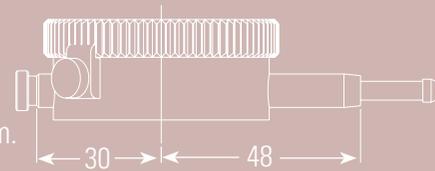
Includes:  
1 pc. articulated holder -  
NF61003  
1 pc. indicator - NF1000

# Sets and Indicators

NOGA offers three sets combining the most popular holders with the best made indicators.

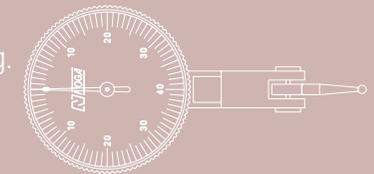
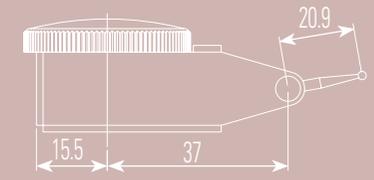
## DG1000

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



## NF1000

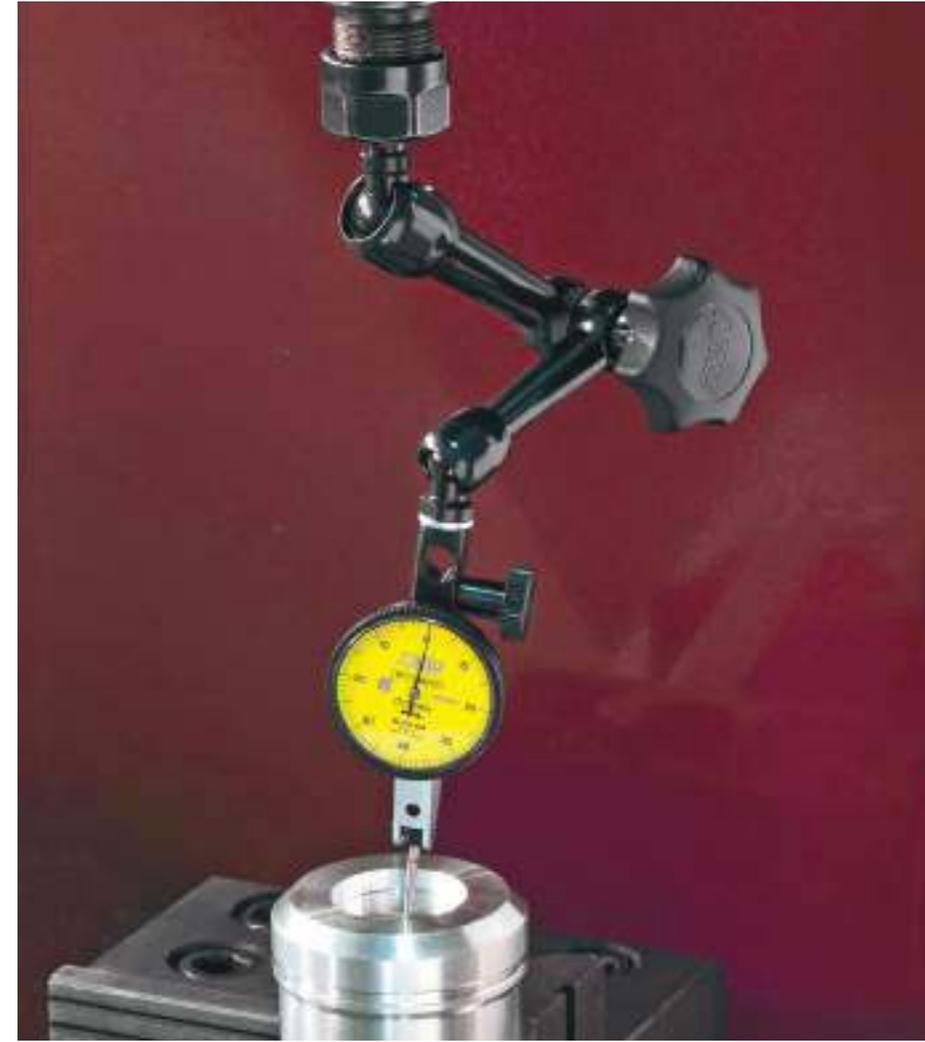
- Lever-type test indicator, dial diameter 39 mm.
- Measuring range 0.8 mm.
- Graduations 0.01 mm.
- Contact point 2 mm dia., 20.9 mm length.
- Three dovetails for clamping.



Holder			Arm length			Indicators	Magnet		
Order no.	Bottom thread	Weight	Bottom arm	Top arm	Total	Order no.	Dimension		
	D	[Kg]	L1	L2	L1 + L2 + L3		W	L	H
NF6150	Ext. M5	0.600	56	51	178	NF1000	30	40	35
DG6150	Ext. M8	1.600	110	101	282	DG1000	50	60	55
MG6150	Ext. M8	2.100	133	113	317	DG1000	50	60	55

All measurements are in mm unless otherwise mentioned

# Centering Holders



# Centering Holders



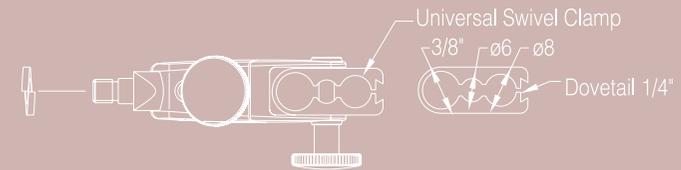
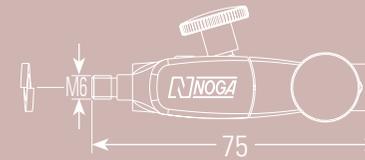
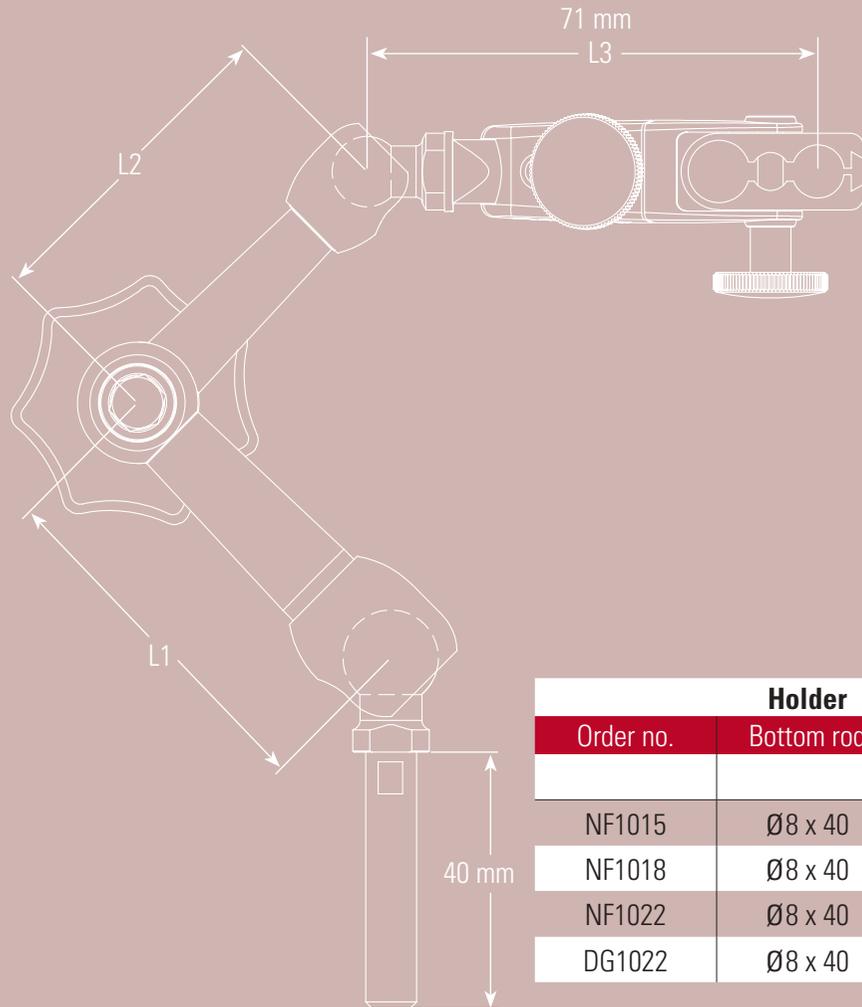
# Centering Holders



## **NOGA centering holders**

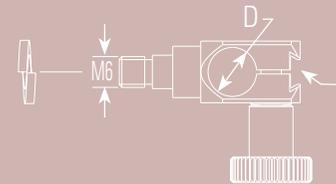
- Used for centering workpieces.
- Universal fine adjustment on DG1022 & NF1022.
- Standard clamp on NF1015 & NF1018.
- Unique central locking mechanism with spring loaded bearing.
- Central rod:  $\varnothing 8 \times 40$  mm.
- Black finished arms.

# Centering Holders



FA1500

FA1510

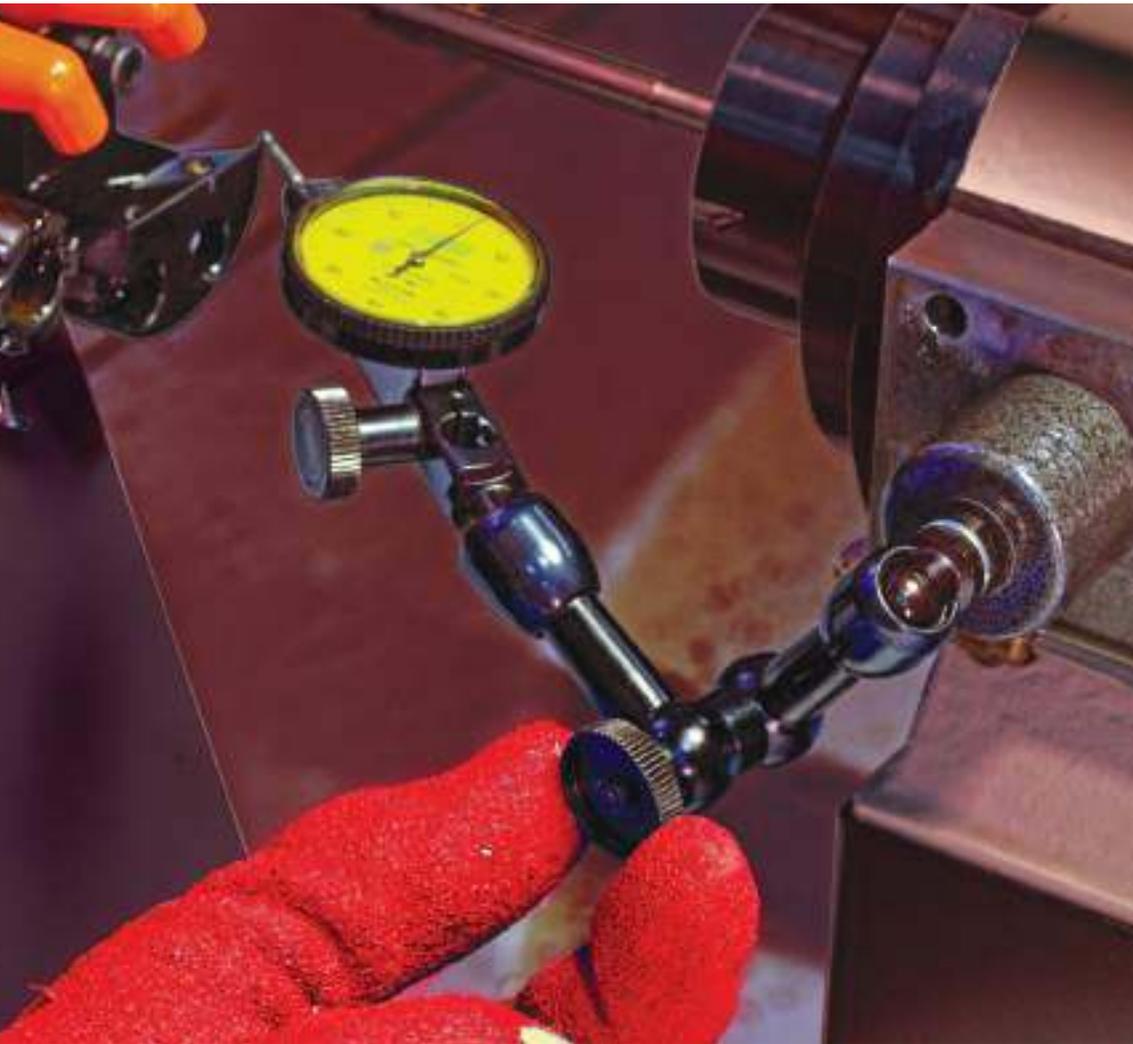


**Standard Clamp**  
FA1100 dia. 8 mm  
FA1120 dia. 3/8"

Holder			Arm length			Standard clamp	
Order no.	Bottom rod	Weight [Kg]	Bottom arm	Top arm	Total	Order no.	Dia.
			L1	L2	L1 + L2 + L3		D
NF1015	Ø8 x 40	0.271	56	51	128.5	FA1100	8
NF1018	Ø8 x 40	0.271	56	51	128.5	FA1120	3/8"
NF1022	Ø8 x 40	0.314	56	51	178	FA1500	6, 8, 3/8"
DG1022	Ø8 x 40	0.350	110	101	282	FA1500	6, 8, 3/8"

All measurements are in mm unless otherwise mentioned

# Mini Holders



# Mini Holders



**PH5000**

**LC6200 8 mm**  
**LC6210 3/8"**

Overall arm length 87.5 mm

**NF1030 8 mm**  
**NF1033 3/8"**

Overall arm length 128.5 mm

**NF1021 8 mm**  
**NF1024 3/8"**

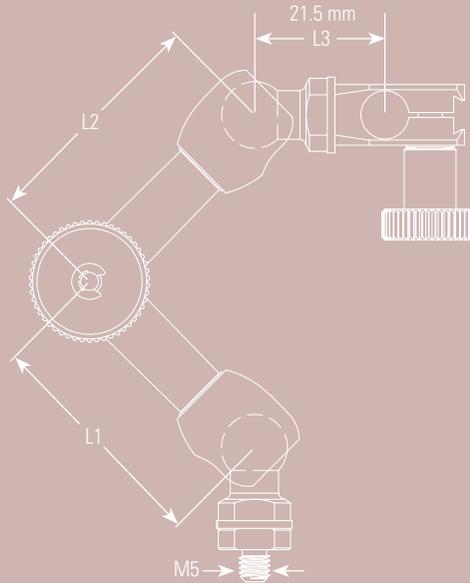
Overall arm length 128.5 mm

# LC and PH Mini Holders

## NOGA LC mini holder with small round magnet

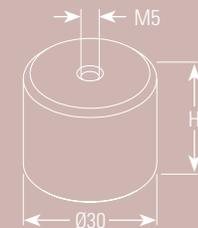
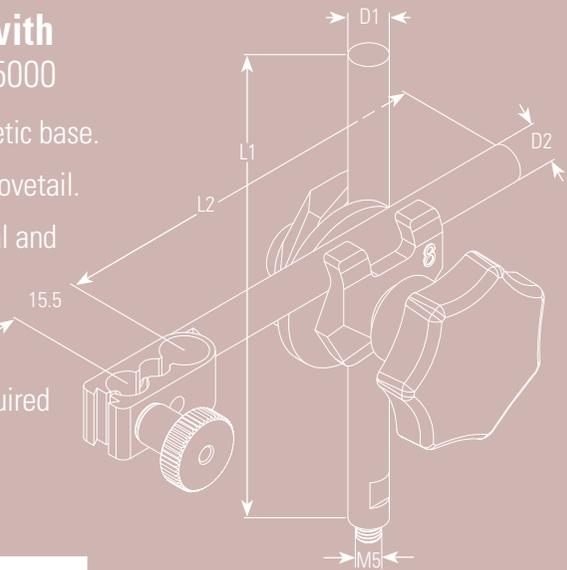
LC6200 / LC6210

- 200 N round permanent magnetic base.
- Holds 8 mm or 3/8" and dovetail.
- Unique central locking mechanism with Noga designed spring loaded bearing.
- Five axis holder.
- Instantly and easily fastens in any position.
- Black finished arms.



## NOGA PH mini holder with small round magnet PH5000

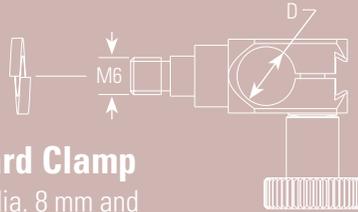
- 200 N round permanent magnetic base.
- Holds 6 mm, 8 mm, 3/8" and dovetail.
- Unique swivel clamp for all dial and test indicators.
- Strong arm lock by using the unique 3-point system.
- Easy set up of gauges into required position.
- Black finished arms.



Holder		Arm length			Standard clamp		Magnet		
Order no.	Weight	Bottom arm	Top arm	Total	Order no.	Dia.	Force	Dimension	
	[Kg]	L1	L2	L1 + L2 + L3		D	[N]	Ø	H
LC6200	0.280	38	38	87.5	FA1100	8	200	30	25
LC6210	0.280	38	38	87.5	FA1120	3/8"	200	30	25

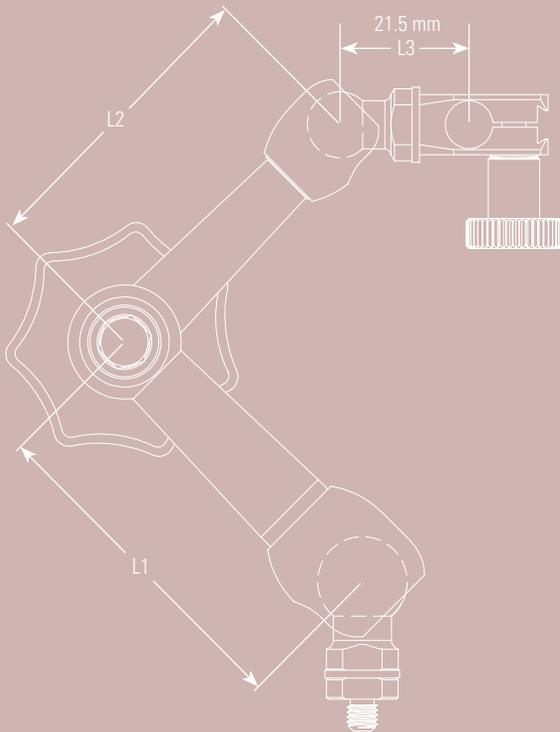
Holder		Arm length and diameter		Magnet		3 points clamp	
Order no.	Weight	Post	Arm	Force	Dimension		Order no.
	[Kg]	Dia. (D1) x length (L1)	Dia. (D2) x length (L2)	[N]	Ø	H	
PH5000	0.360	Ø8 x 110	Ø8 x 110	200	30	25	PH1307

# NogaFlex Mini Holders 360°



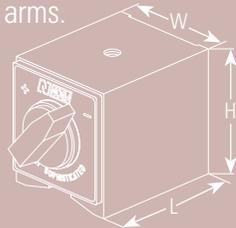
## Standard Clamp

FA 1100 dia. 8 mm and  
FA 1120 dia. 3/8"



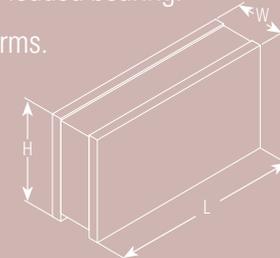
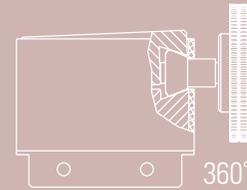
## NogaFlex holder with on / off magnet NF1021 / NF1024

- Powerful on/off magnetic base.
- Five axis holder.
- Holds indicator with stem and dovetail.
- Instant fixation in any position.
- Central locking mechanism with NOGA designed spring loaded bearing.
- Black finished arms.



## NogaFlex holder with permanent magnet NF1030 / NF1033

- Permanent magnetic base.
- Five axis holder.
- Holds indicator with stem and dovetail.
- Instant fixation in any position.
- Central locking mechanism with NOGA designed spring loaded bearing.
- Black finished arms.



Holder		Arm length			Standard clamp		Magnet			
Order no.	Weight	Bottom arm	Top arm	Total	Order no.	Dia.	Force	Dimension		
	[Kg]	L1	L2	L1 + L2 + L3		D		W	L	H
NF1021	0.575	56	51	128.5	FA1100	8	320N	30	40	35
NF1024	0.575	56	51	128.5	FA1120	3/8"	320N	30	40	35
NF1030	0.545	56	51	128.5	FA1100	8	280N	16	60	32
NF1033	0.545	56	51	128.5	FA1120	3/8"	280N	16	60	32

All measurements are in mm unless otherwise mentioned

# Special Articulated Holders Top



**DG1044**  
Overall arm length 282 mm



**DG1030 / DG1033**  
Overall arm length 261 mm



**MG1030 / MG1033**  
Overall arm length 317 mm

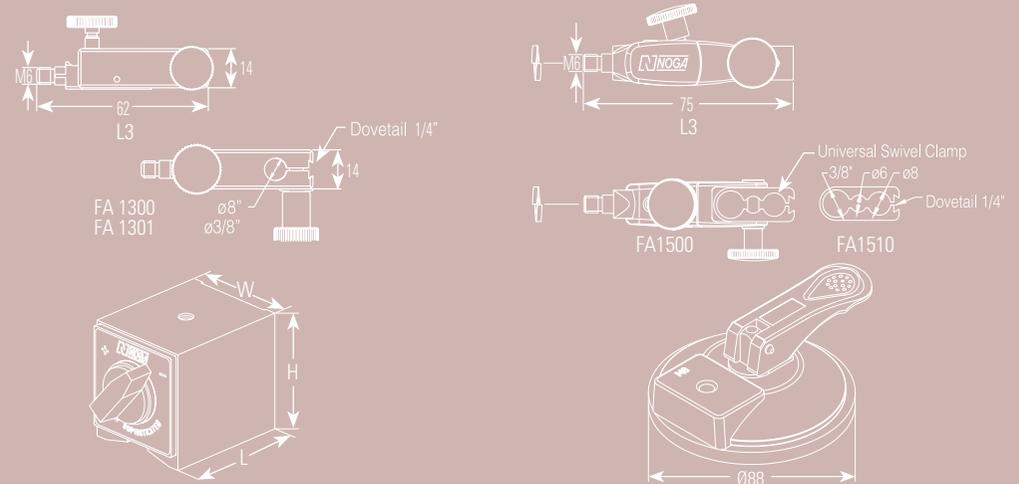
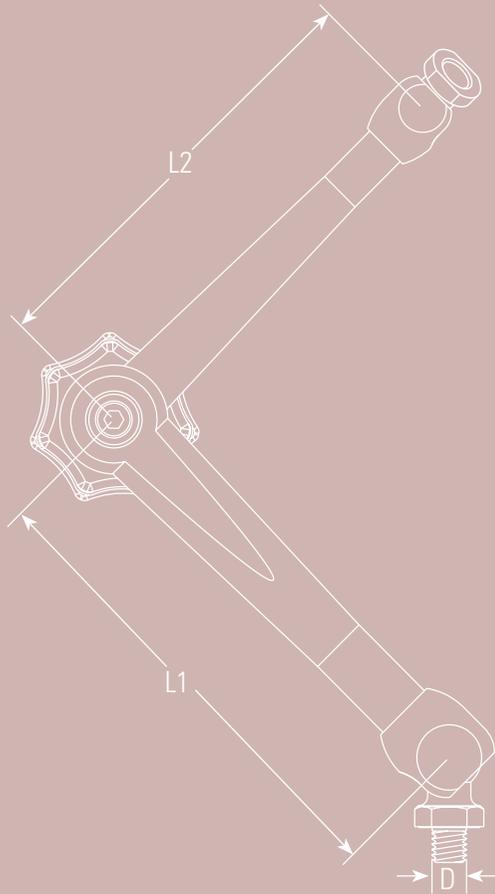
# Special Articulated Holders

## DG/MG Holders

Unique DG & MG arms with plastic fine adjustment. Ideal for EDM.

### DG1044

Special DG arm with vacuum base. Ideal for granite table.



Holder			Arm length			Magnet			Standard Clamp		
Order no.	Bottom thread	Weight	Bottom arm	Top arm	Total	Force	Dimension			Order no.	D
	D	[Kg]	L1	L2	L1 + L2 + L3	[N]	W	L	H		
DG1030	Ext. M8	1.350	110	101	261	800	50	60	55	FA1300	8mm
DG1010	Ext. M8	0.350	110	101	261	-	-	-	-	FA1300	8mm
DG1033	Ext. M8	1.350	110	101	261	800	50	60	55	FA1301	3/8"
DG1013	Ext. M8	0.350	110	101	261	-	-	-	-	FA1301	3/8"
DG1044	Ext. M8	0.740	110	101	282	350	-	Ø88	-	FA1500	6mm, 8mm, 3/8"
MG1030	Ext. M8	1.850	133	113	317	800	50	60	55	FA1300	8mm
MG1010	Ext. M8	0.850	133	113	317	-	-	-	-	FA1300	8mm
MG1033	Ext. M8	1.850	133	113	317	800	50	60	55	FA1301	3/8"
MG1013	Ext. M8	0.850	133	113	317	-	-	-	-	FA1301	3/8"

All measurements are in mm unless otherwise mentioned

# Post Holders FAT\*



# \*Fine Adjustment Top



PH6800



PH6600



PH6400

# Post Holders FAT\*

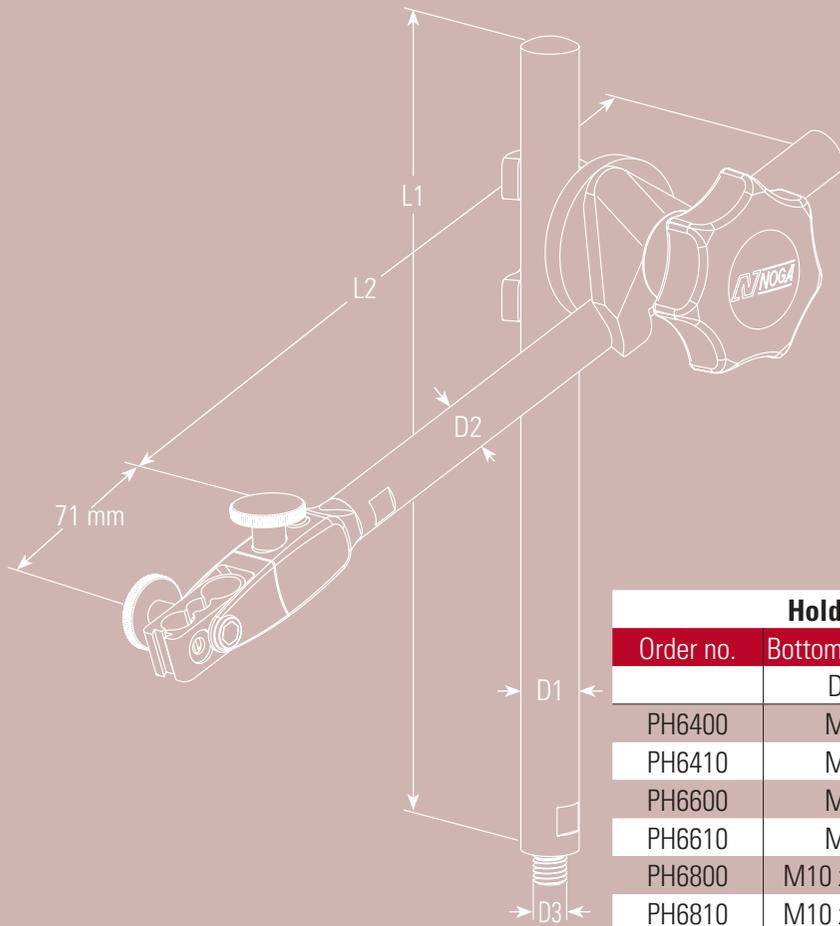
## NOGA economical holders with fine adjustment on top

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

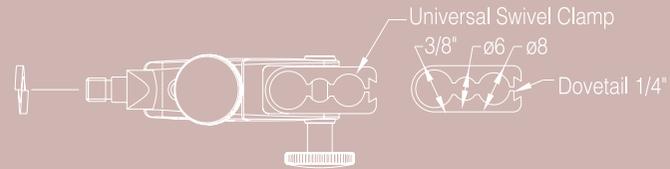
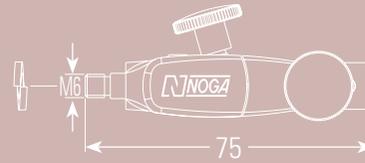
- Fine adjustment on the top with universal swivel clamp.
- Holds 6mm, 8mm, 3/8" and dovetail.
- Powerful on/off magnetic base.
- Strong arm lock by using 3 points clamp.
- Easy to set up gauges into required position.
- Black finished arms.



# \*Fine Adjustment Top

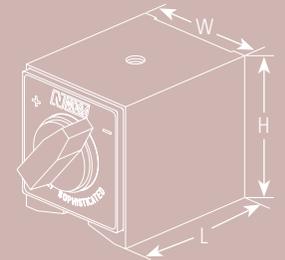


3 points clamp



FA1500

FA1510



Holder			Arm length and diameter		Magnet			3 points clamp	
Order no.	Bottom thread	Weight	Post	Arm	Force	Dimension			Order no.
	D3	[Kg]	Dia. (D1) x length (L1)	Dia. (D2) x length (L2)	[N]	W	L	H	
PH6400	M8	1.700	Ø14 x 203	Ø12 x 185	800	50	60	55	PH0310
PH6410	M8	0.700	Ø14 x 203	Ø12 x 185	-	-	-	-	PH0310
PH6600	M8	2.300	Ø16 x 260	Ø16 x 225	1000	50	75	55	PH0312
PH6610	M8	1.070	Ø16 x 260	Ø16 x 225	-	-	-	-	PH0312
PH6800	M10 x 1.25	3.450	Ø18 x 350	Ø16 x 225	1300	50	120	55	PH0313
PH6810	M10 x 1.25	1.450	Ø18 x 350	Ø16 x 225	-	-	-	-	PH0313

All measurements are in mm unless otherwise mentioned

# PH Holders FAB\*



**NOGA**  
*simply sophisticated*

# \*Fine Adjustment Base



PH4016



PH2040



PH3100

# Post Holder

# FAB\*

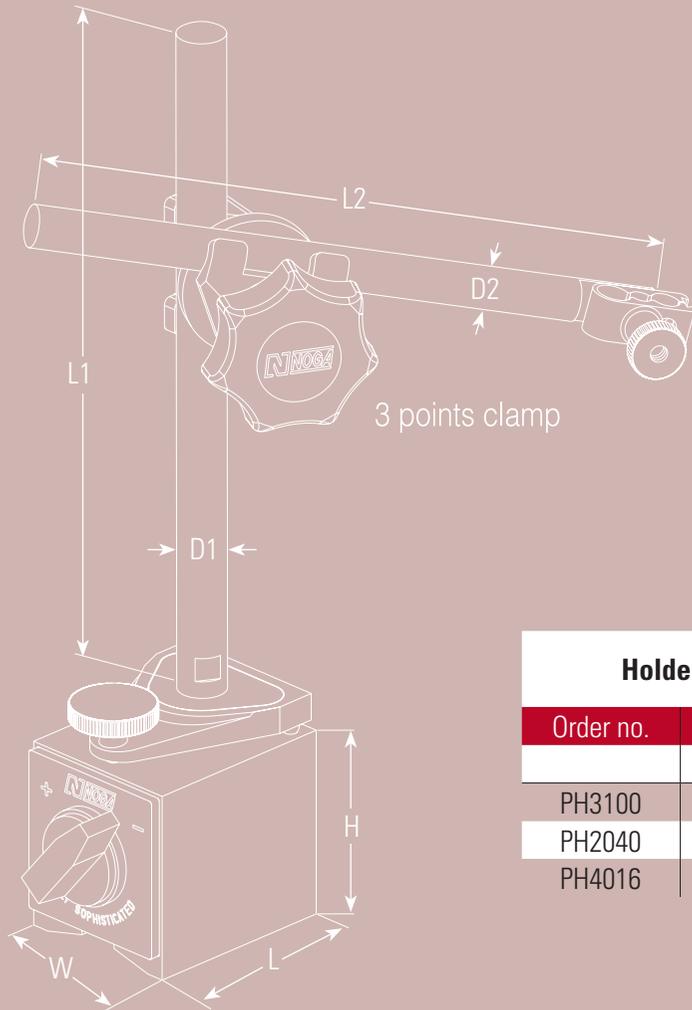
## NOGA economical holders with fine adjustment at base

**PH** holders with NOGA unique 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" and dovetail.
- Strong arm lock by using 3 points clamp.
- Easy to set up gauges into required position.
- Black finished arms.



# \*Fine Adjustment Base



Universal swivel clamp



Holder		Arm length and diameter		Magnet			3 points clamp	Universal swivel clamp	
Order no.	Weight	Post	Arm	Force	Dimension			Order no.	Order no.
	[Kg]	Dia. (D1) x length (L1)	Dia. (D2) x length (L2)	[N]	W	L	H		
PH3100	0.500	Ø10 x 120	Ø8 x 110	320	30	40	35	PH0315	FA1210
PH2040	1.700	Ø14 x 203	Ø12 x 185	800	50	60	55	PH0310	FA1410
PH4016	2.450	Ø16 x 260	Ø16 x 225	1000	50	75	55	PH0312	FA1410

All measurements are in mm unless otherwise mentioned

# Modular Holders



## 6 NOGA Modular holders

- Six different sizes of articulated arms are offered for a wide range of applications.
- Choose the arms that fit your needs.
- A range of accessories are shown on pages 107 - 110.
- Custom-made arms and accessories are available upon request.
- Minimum quantity 500 pcs.

**MA60003**

Overall arm length 509 mm

**MG70003**

Overall arm length 276 mm

**MG60003**

Overall arm length 246 mm

**DG60003**

Overall arm length 211 mm

**NF60003**

Overall arm length 107 mm

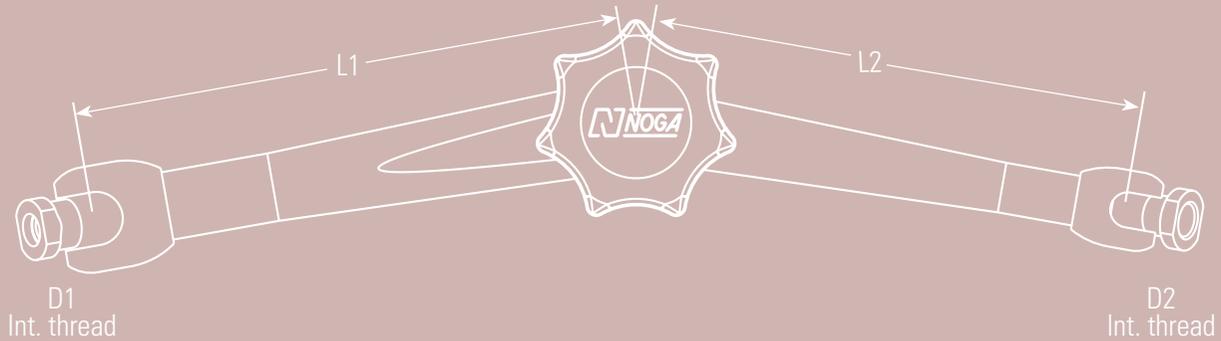
**LC6100**

Overall arm length 76 mm

**THE  
SMALLEST AND  
LIGHTEST ARM IN  
THE MARKET**

**NOGA**  
*simply sophisticated*

# Modular Holders



Order no.	Weight [Kg]	Int. thread		Arms length		
		D1	D2	L1	L2	Total L1 + L2
LC6100	0.121	M6	M6	38	38	76
NF60003	0.210	M6	M6	56	51	107
DG60003	0.250	M6	M6	110	101	211
MG60003	0.750	M8	M6	133	113	246
MG70003	0.800	M8	M6	163	113	276
MA60003	3.000	M10 x 1.25	M6	286.5	222.5	509

All measurements are in mm unless otherwise mentioned

# NOGA Bases



DG0039



DG0038



DG0036



NF0037



HS1100



DG0040



DG1003



DG0118



DG3678



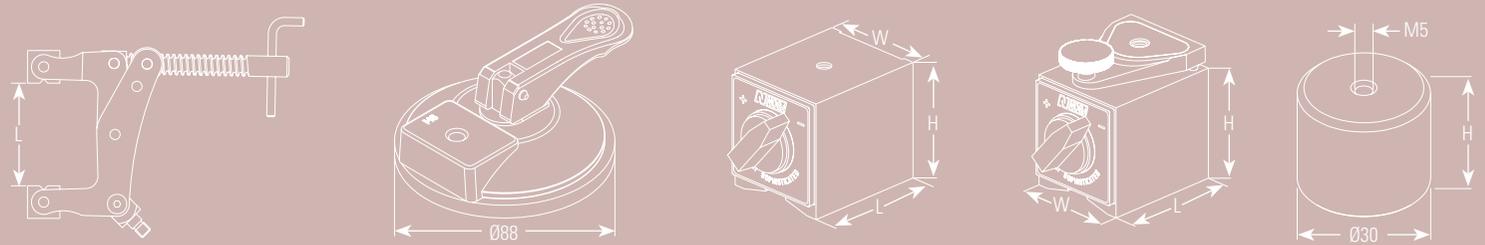
NF3778



# Noga Bases

## NOGA bases

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

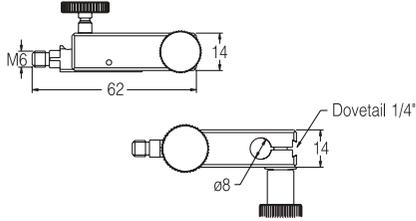
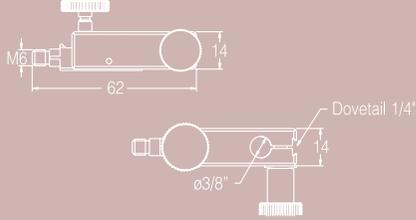
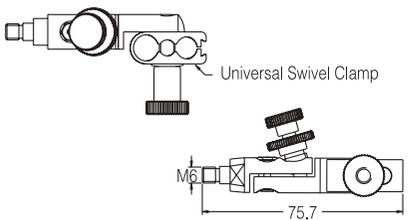
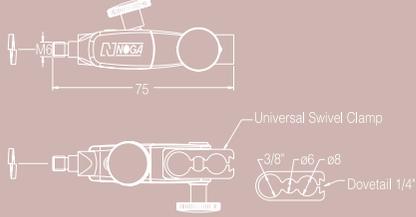


Order no.	Type	Weight [Kg]	Force [N]	Thread	W	L	H
HS1100	Round magnet	0.123	200	M5	-	Ø30	25
NF0037	On/off magnet	0.230	320	M5	30	40	35
NF3778	On/off magnet with fine adj.	0.250	320	M5	30	40	35
DG0036	On/off magnet	1.000	800	M8	50	60	55
DG3678	On/off magnet with fine adj.	1.100	800	M8	50	60	55
DG0038	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 with multi threads	1.350	1000	M6/8/10/12 10 x 1.25	50	75	55
DG0040	Vacuum base	0.400	350	M8	-	Ø88	23
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

# Top Attachments

For dial & test indicators

<p><b>FA1300</b></p>	<p>M6</p>	<p>Plastic F.A. 8 mm</p>		
<p><b>FA1301</b></p>	<p>M6</p>	<p>Plastic F.A. 3/8"</p>		
<p><b>FA1400</b></p>	<p>M6</p>	<p>2SM Metal F.A. 6 mm, 8 mm, 3/8"</p>		
<p><b>FA1500</b></p>	<p>M6</p>	<p>Metal F.A. 6 mm, 8 mm, 3/8"</p>		

# Top Attachments

## Quick Release AD4000

Enables a quick change to the equipment without having to fiddle with screws and threads.

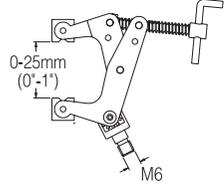
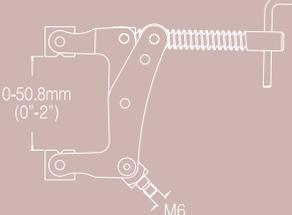
Simply pull back the red sleeve and slot in the Noga arm into the Quick Release attachment.

Quick Release can be held by a range of Noga arms.

Features bottom external thread M6 and top external thread 1/4" UNC.



## Clamps for top attachment

<b>NF0125</b>	M6 EXT.	Clamp 1"		
<b>DG0125</b>	M6 EXT.	Clamp 2"		

## 45 mm Clamp CS4550

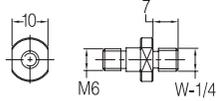
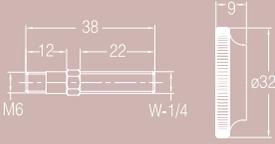
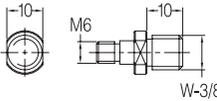
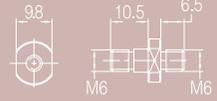
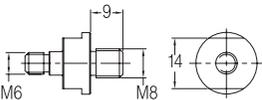
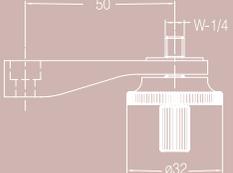
The strong CS4550 clamp with its special soft grip expands onto round and flat surfaces up to 45 mm.

Features internal threads: 2 x 1/4", 2 x 3/8", 1 x 6 mm, 1 x 8 mm.

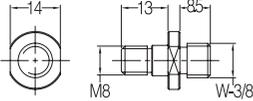
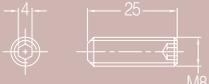
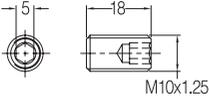
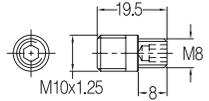


# Accessories

## M6 Adaptors

<b>AD6010</b>		
<b>AD6015</b>		
<b>AD6030</b>		
<b>AD6060</b>		
<b>AD6080</b>		
<b>MA0125</b>		

## M8 Adaptors

<b>AD8030</b>		
<b>AD8080</b>		
<b>M10 x 1.25 Adaptors</b>		
<b>AD1000</b>		
<b>AD1030</b>		
<b>AD1080</b>		

# Accessories

## 3 Point Clamp

	Dia. Post	Dia. Arm	
<b>PH1307</b>	8	8	For Holder PH5000
<b>PH0315</b>	10	8	For Holder PH3100
<b>PH0310</b>	14	12	For Holders: PH2040 PH6400 PH6410 
<b>PH0312</b>	16	16	For Holders: PH4016, PH6600, PH6610
<b>PH0313</b>	18	16	For Holders: PH6800, PH6810

## Knobs

<b>DG0160</b>	Knob for NF & DG Holders	
<b>MG1620</b>	Knob for MG Holders	
<b>MA0100</b>	Knob for MA Holders	

## Screws

<b>DG0340</b>	M5 x 9	Replacement screw for FA1500. 
<b>DG0141</b>	M4 x 12	Replacement screw for DG10503, DG10533, MG10503, MG10533, NF 10403, NF 10433, DG6160 & MG6161. 



**NNOGA**  
*simply sophisticated*

# Main Content

**DEBURRING SYSTEMS**

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**HOLDING SYSTEMS**

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**COOLING SYSTEMS**  
CUTTING FLUID APPLICATORS

**112-124**

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**125-126**

# Cooling Systems CUTTING FLUID APPLICATORS



# Contents

NOGA Cutting Fluid Applicators were designed to answer various needs for cooling during machining, turning, drilling tapping etc. They are made in four different designs:

## **MINICOOL**

MINICOOL have air and liquid mixture forms a fine spray that cools all metal cutting operations.

**115-116**

## **FIXED & VARI HP (HIGH PRESSURE) COOL**

The Fixed HP Cool Arm and Vari HP Cool arms deliver fluids or cooling liquids at high pressure, up to 1000 PSI, allowing a higher level of machining. Easy and fast to set in position. Can be fitted with different sizes of nozzles.

**117-118**

## **NOGACOOOL**

The NOGACOOOL consists of a manifold and flexible Loc-Line® hose held by a magnet. It is used to easily direct cutting fluid from the coolant pump of machine tools towards the cutting area.

**119-120**

## **COBRA**

The COBRA drop-ejector shoots small quantities of liquid towards a distinct target. Various options enable the user to apply either single drops, or spray burst, or an air stream with small amounts of liquid.

**121-125**

# MiniCool



**NOGA MINICOOL** uses the VENTURI principle to spray an air and liquid mixture. It consists of the following basic parts:

A control valve, spray unit, air line, syphon line and a powerful on/off Popeye magnet, which has a "V" form base, making it possible to mount on non-flat surfaces.

The MINICOOL enables the user to easily control both the air flow rate and liquid rate.

Stainless steel armoured syphon hose and air hose are made in a standard one meter length (special lengths available upon request).

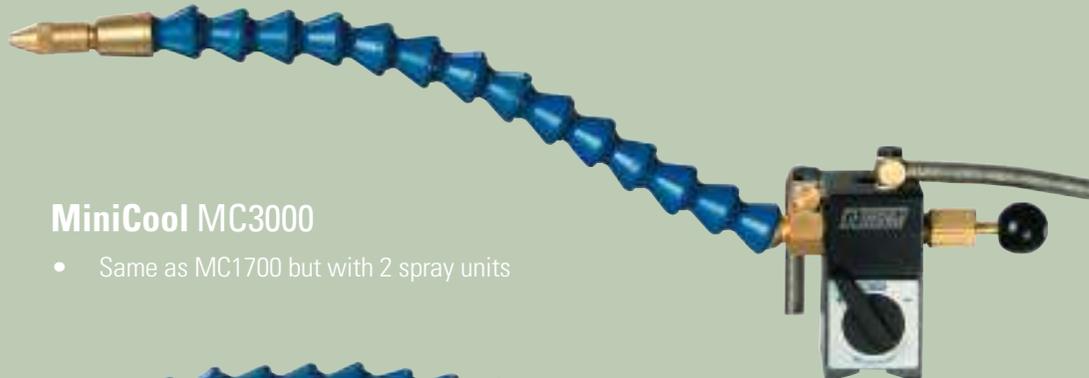
The spray unit comes in three standard lengths: 264, 334, 479 mm (special lengths available upon request).

# MiniCool

## MiniCool MC1700

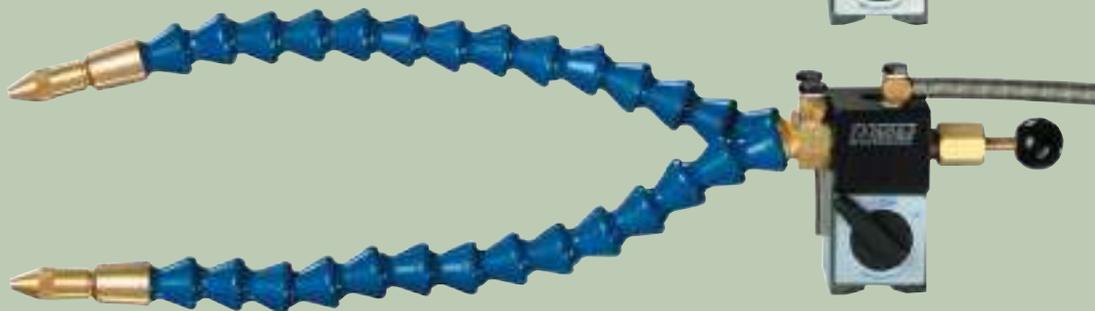
For Maximum heat dissipation and extended tool life

- Strong magnetic base
- Separate on/off air and fluid controls
- Stainless steel armoured syphon hose and air hose
- Nozzle connected via Loc-Line® flexible hose
- Simple, inexpensive, rugged
- Single spray unit



## MiniCool MC3000

- Same as MC1700 but with 2 spray units



order no.

One spray unit of length (mm)			Two spray units of length (mm)			Air hose	Syphon hose
264	334	479	264	334	479		
MC1700	MC1800	MC2000	MC3000	MC3100	MC3200	1 M	1 M
MC1730	MC1830	MC2030	MC3030	MC3130	MC3230	2 M	2 M

## SPARE PARTS

order no.

MC0130		control valve with popeye magnet
MC0101 MC0102 MC0103		spray unit 270 mm spray unit 340 mm spray unit 485 mm
MC0380 MC0302		air line 1 m air line 2 m
MC0360 MC0311		suction line 1 m suction line 2 m
MC0204		valve stem
MC3637		filter
MC0001		nuzzle nut
MC0232		banjo screw & washer
MC0031		banjo fitting

# Fixed & Vari HP Cool Arms



**NOGA** is introducing its patent pending newest product to the Cooling Systems line.

The Fixed HP Cool Arm and Vari HP Cool arms deliver fluids or cooling liquids at high pressure, up to 1000 PSI, allowing a higher level of machining.  
Easy and fast to set in position.  
Can be fitted with different sizes of nozzles.

**PATENT  
PENDING**

# Fixed & Vari HP Cool Arms

## SPARE PARTS for CA2000 and CA3000

**HEX KEY CA1010**  
Hex. 5 mm



**NOZZLE CA1002**  
Dia. 2 mm



**NOZZLE CA1004**  
Dia. 4 mm - Standard



**NOZZLE CA1006**  
Dia. 6 mm



**ADAPTOR AD1001**  
Ext. NPT 1/4" - Ext. NPT 1/4"



more adaptors are available upon request.

## FIXED HP COOL ARM CA2000

Single arm with 2 end ball joints so the nozzles can move on wide curve for positioning.



Dimensions:  
Length: 164 mm  
Thread: Int. NPT 1/4"

## VARI HP COOL ARM CA3000

Long articulated arms provide full axis rotation. Sturdy tightening fixtures for total stability.



Dimensions:  
Length: 206 mm  
Thread: Int. NPT 1/4"

Both CA2000 and CA3000 are provided with:  
CA1010 Hex Key  
CA1004 Nozzle  
AD1001 Adaptor

## MINI VARI HP COOL ARM CA3500

Same as CA3000 but with shortened articulated arms.



Dimensions:  
Length: 84 mm  
Thread: Int. M 6

The CA3500 is provided with:  
CA1010 Hex Key  
CA1007 Nozzle  
CA1008 Adaptor

## SPARE PARTS for CA3500

**HEX KEY CA1010**  
Hex. 5 mm



**NOZZLE CA1007**  
Dia. 3 mm



**ADAPTOR CA1008**  
Ext. M6 - Ext. NPT 1/4"



# NogaCool



**NOGACOOL** consists of a manifold & Loc-Line® flexible hose with a nozzle on top and a valve at the bottom, assembled on the powerful on/off Popeye magnet.

The plug attached can be replaced by a second Loc-Line® flexible hose.

**NOGACOOL** is supplied with a set of three nozzles: 1/16", 1/8" and 1/4".

Working conditions are as follows:

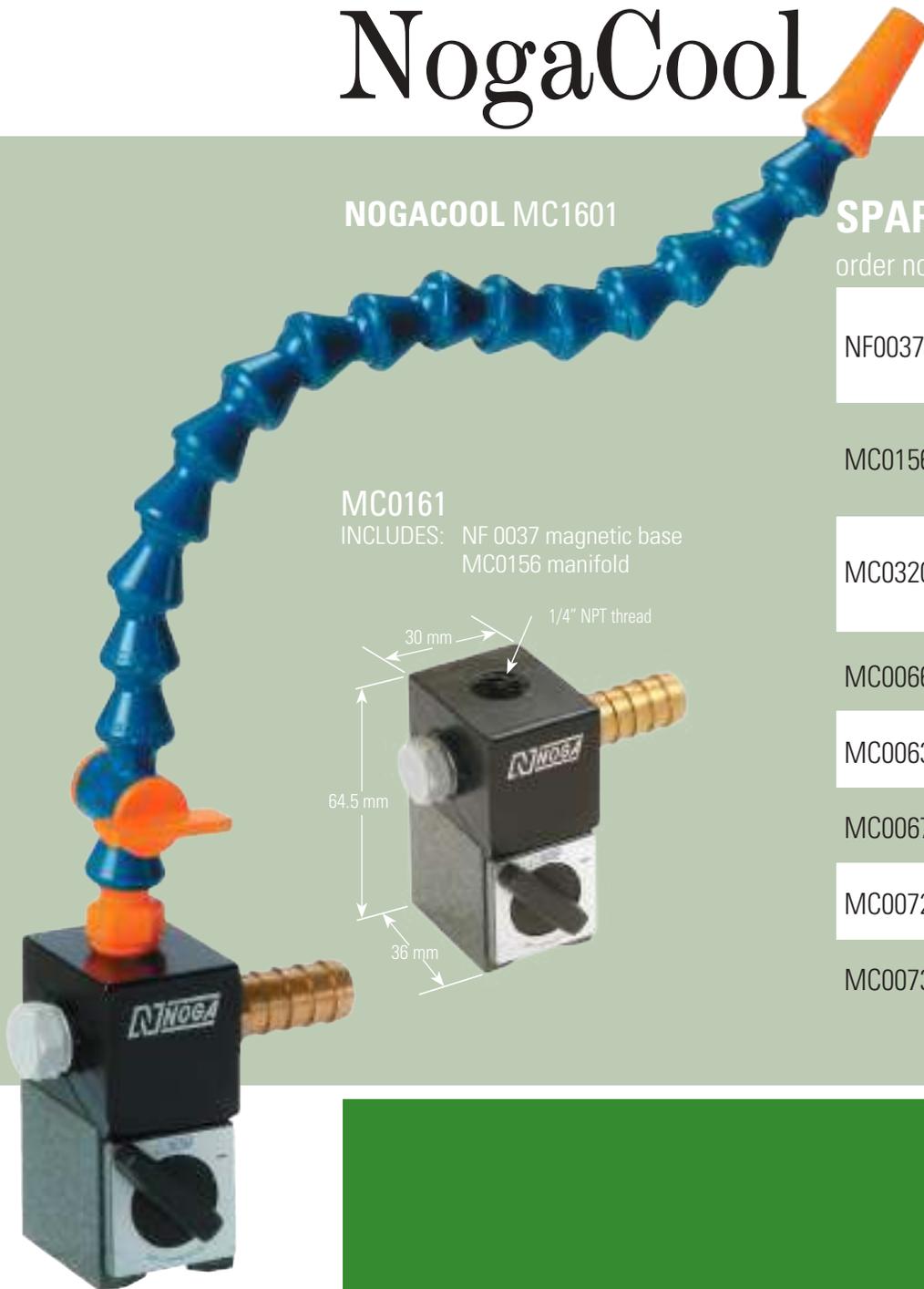
- Pressure: 2-3.4 Bar (30-50 Psi)
- Flow rate: 940 l/hour (250 gal/hour)
- Max. working temp. 170°C

Also available with magnet and manifold only (order no. MC0161).

# NogaCool

NOGACOOL MC1601

## SPARE PARTS



MC0161

INCLUDES: NF 0037 magnetic base  
MC0156 manifold



order no.

NF0037



320N popeye magnet  
top thread M5

MC0156



manifold

MC0320



324 mm flexible  
Loc-Line® hose  
Other dimensions  
available upon request.

MC0066



Ø1.6 mm plastic nozzle  
(1/16")

MC0063



Ø3.2 mm plastic nozzle  
(1/8")

MC0067



Ø6.3 mm plastic nozzle  
(1/4")

MC0072



Wide plastic nozzle  
16 holes Ø1 mm

MC0073



Wide plastic nozzle  
16 holes Ø1.5 mm

# Cobra



**COBRA**'s drop ejector is designed to accurately shoot small quantities of liquid to distinct targets. An air actuated piston shoots the drops through a flexible hose onto the target.

The drop shots can be automatically timed or manually determined by the user, the amount of liquid in each shot can also be adjusted by a tuning screw at the back of the COBRA all according to the user's needs.

The COBRA is operated by clean air, pressure 3-9 bar. Most liquids and solvents up to 250 cst viscosity can be applied.

# Cobra



## COBRA CB2000

INCLUDES:  
Basic Cobra only



## COBRA SET CB2100

INCLUDES:  
Basic Cobra CB2000  
Small container CB0146  
Mechanical valve SH1000  
Magnet DG0036  
Arm DG60013  
Adaptor DG0129  
Nylon tube RM8050

See drawing on page 123

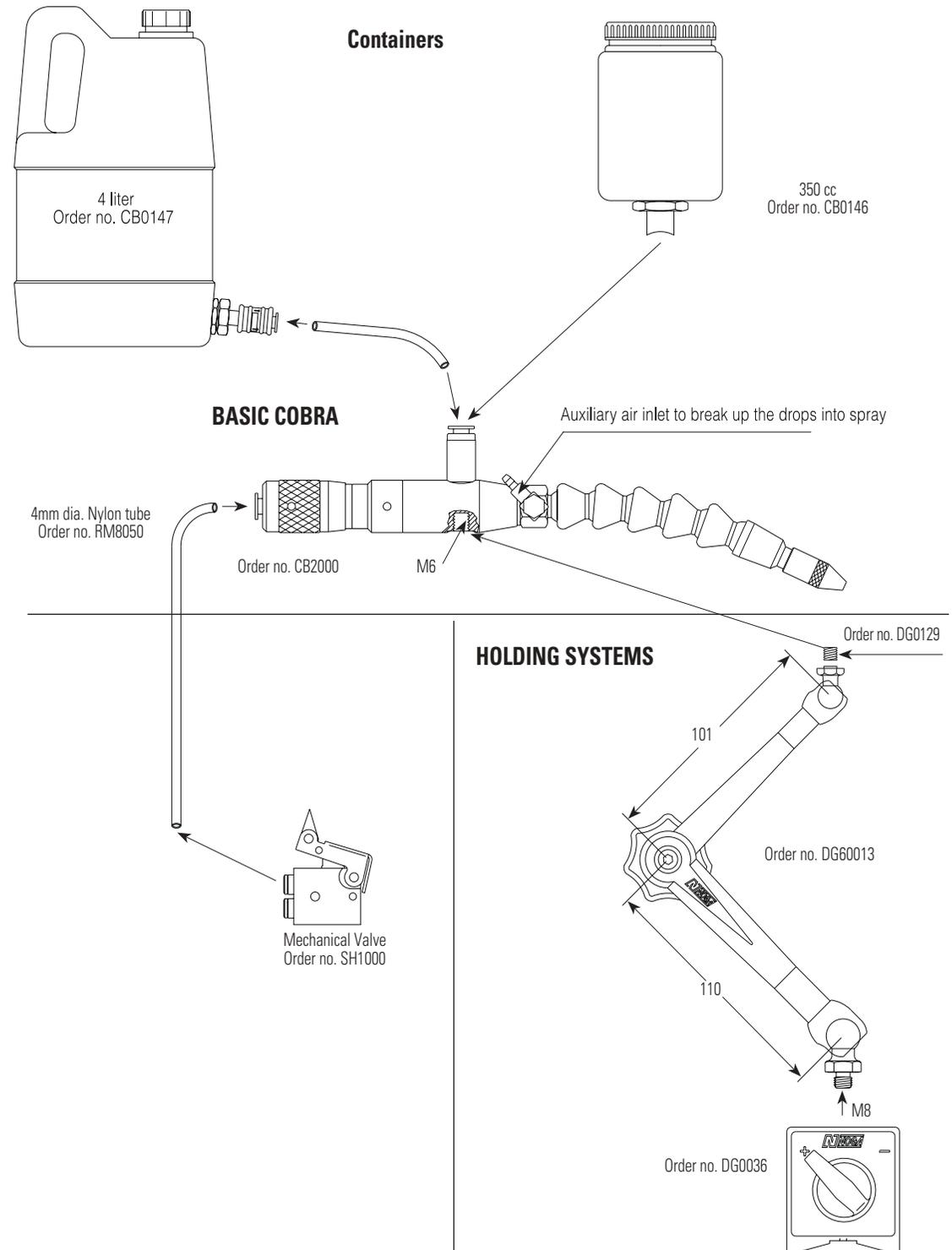
## SPARE PARTS

order no.

MC0001		nuzzle nut
MC0232		banjo screw & washer
MC0031		banjo fitting
MC0030		washer

# Cobra

## Set-up and Accessories



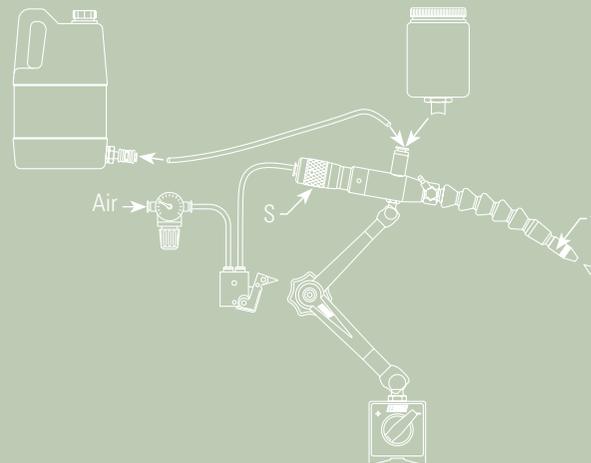
# Operating Instructions

The fluid can be supplied either by fitting the bowl (CB0146) directly onto the unit or by using the large container (CB0147) and connecting it to the unit by 4 mm hose. Set up the pneumatic circuit as shown in one of the drawings (a) or (b) or (c). All connections are to be made with 4 mm hose.

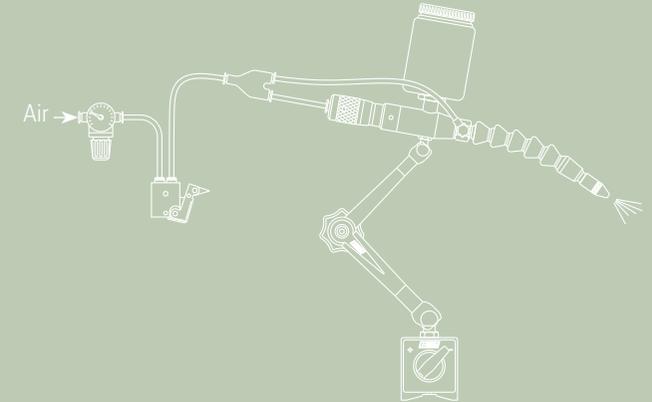
Open drop size control nut "S" to maximum drop size. Start pulsing the unit by pressing the actuating valve many times until drops emerge.

Adjust the drop size to your needs. If you have set up the circuit according to drawing (b), or (c), adjust the air flow with the nozzle nut "T".

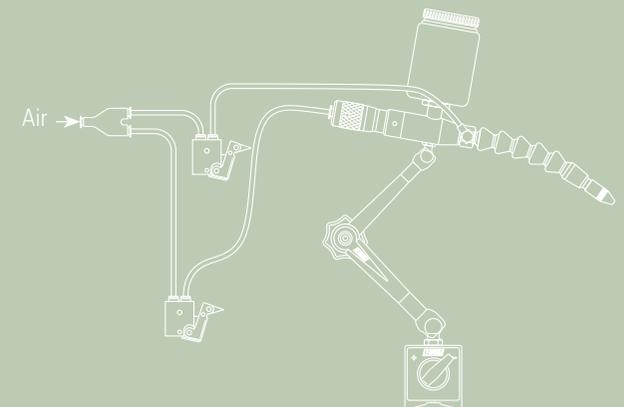
- a. Setup for single drops using mechanical valve.



- b. Setup for finely dispersed droplets.



- c. Setup to supply drops and air jet independently.



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