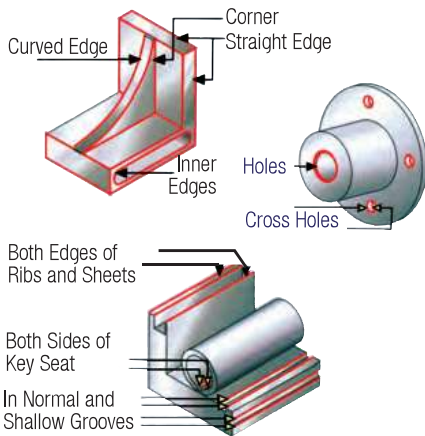


Deburring Tools Usage **NOGA**



Burrs: They are unwanted metal particles remained at the edge of workpiece after machining process. For safety and quality production, these particles should be cleaned. Deburring process on machine bench is both long term and hard to make balanced process. Hence, it will take more time, also surface roughness is important. All of this may not be economical.

Noga Deburring Sets: With two component, plastic handle and cutting blades (telescopic) and have withdrawal spring for opening and closing handle locks. 3 pieces spare cutting blades are stored in rear covered chamber.



NogaGrip Handle (3 different models)

- **NG-1** Ø 3.2 mm / for all "S" blades
- **NG-2** Ø 2.6 mm / for all "N" blades
- **NG-3** Ø 7.0 mm / for all "T" blades

Handles: It is adapted to part contour automatically. With options for the processing of very different materials, it is used for deburring of contours rationally. With the ergonomic difference from other holders, it is suitable for your hand. For maximum comfort of your hand, hard and soft - light robust structure. Rapid replacement blades and handles. Spare cutting blades are in rear cover assembly.



Scraper Blades:



T50 Triangle Blade:

This HSS blades are used with NG-3 handle.



T70 Triangle Blade:

This HSS blades are used with NG-3 handle.



External Cranked Blade:

External cranked countersink.

Length: 150mm

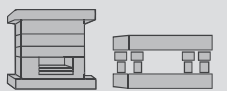
Internal Blade:

For internal thread operations.

Length: 150mm

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Deburring Tool Kits



Promo Set Deburr:

Steel, Aluminum and Plastic

S Promo Set - NG8150

Contains: 1 pcs = NG-1 Handle
10 pcs = S10 Blades.

Order:
NG8150

N Promo Set - NG8000

Contains: 1 pcs = NG-2 Handle
10 pcs = N1 Blades.

Order:
NG 8000



Tele Set Deburr:

Steel, Aluminum, Plastic, Brass and Cast Iron.

S Tele Set - NG8350

Contains: 1 pcs = NG-3 Handle

1 pcs = S Holder
5 pcs = S10 Blades
5 pcs = S20 Blades.

Order:
NG8350

N Tele Set - NG8300

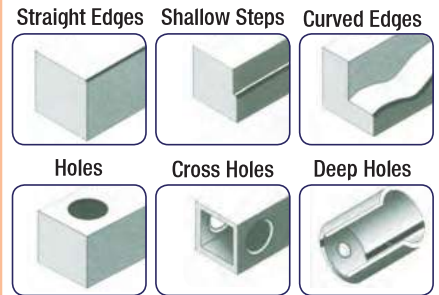
Contains: 1 pcs = NG-3 Handle

1 pcs = N Holder
5 pcs = N1 Blades
5 pcs = N2 Blades.

Order:
NG8300



Deburring Tools



Deburring Tools: The tools have replaceable ends at rotary position and are adapted to workpiece contour with handy, cutting edge automatically and they are excellent / quality brand hand tools in deburring different types of materials rationally.

Multipurpose Deburring Tools

Order: **LB1000**

Liza Burr

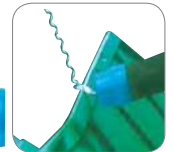


Double end blade holder to utilize both N and S blades. Telescopes from 20-110 mm with N Blades. Telescopes from 20-94 mm with S Blades.

Contains: Uni-handle, SN-holder, N1 & N2 blades.

Order: **SG1000**

Soft Grip



Two holes accepts both heavy and light duty S & N Blades.

Contains: SG Handle, S100 and N10 Cobalt Blades. Ergonomically held handle.

Order: **TB1000**

Teddy Burr



Designed for hard to reach locations.

8 mm painted hexagonal aluminum handle and N1 blade. Blade is replaceable.

Holder: 2.6 mm blades.

Light Duty Deburring Blades

Order	Blade	Work best on
BN1010 (40°)	N1	steel, aluminium and plastic
BN2010 (80°)	N2 L/R	brass and cast iron
BN2012 (80°)	N2 TiN L/R	stainless steel
BN1310 (45°)	N10 Cobalt	plastic and hard materials
BN3010 (50°)	N3	both int. and ext. burrs
BN6001 (40°)	N6	cross holes in difficult to reach places

Deburring Tools



Order: **NG1003**

Noga Burr 3

Contains: NG-1 Handle
BS1010 / BS2010
BS3510

Order: **NG1005**

Noga Burr 5

Same as NG1003 but with 2 extra blades.
S101 Blade - BK1010 / S202 Blade - BK2010
Suitable for extra fine deburring operations.

Order: **NG1000**

NG-1 Handle

NogaGrip-1 holds all S blades(3.2mm).
Spare blades are kept inside back cap.



Order: **E02000**

Plastic Edge Off

Most competitive tool.
Holds all S blades (3.2mm).
The blade is replaceable. Contains: plastic handle
with a handy pocket clip S10 blade.



Order: **NG3003**

Super Burr

For heavy duty works.
Contains:
EL02003 / BS2010
BS3010 / BS1018



Order: **SC8000**

Adjustable Scraper

Ideal for scraping, trimming
and deburring almost all
materials. Contains:
SC Handle - SC1300
T80 - BT8001
SC Handle Heavy Duty - SC1400



Heavy Duty Deburring Blades

Order	Blade	Work best on
BS1010 (40°-S10)		steel, aluminium and plastic
BS2010 (60°-S20)		brass and cast iron
BS2012 (60°-S20)		stainless steel
BS3010 (40°-S30)		both int. and ext. burrs
BS3510 (55°-S35)		straight edges on most materials
BS1018 (45°-S100)		plastic and hard materials
BK1010 (40°-S101)		All precise edges(finish)
BK3010 (45°-S150)		holes as small as 1.5 mm dia.
BS7001 (45°-70)		straight edges and flat surfaces
BS6001 (40°-S60)		cross holes in difficult to reach places

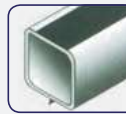
Scraper Tools



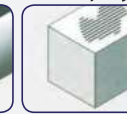
Straight Edges



Parting Line
Finish



Surface
Scraping



Bushing Scraping



Pipe Cross Holes



Order: **NG3700**

Mini Scraper

Ideal for mould and die
makers. An M3
setscrew is holding
the blade. Contains:
NG-3 Handle - NG3000
D Holder - EL05003
D50 - BD5010



Order: **NG3600**

Triangular Scraper

Used for standard
scraping. Contains:
NG-3 Handle
T Holder
T50 / T70 Scraper Blades



Order: **SC1000**

Heavy Duty Scraper

Heavy Duty Double
end scraper for
longer tool life.
Can be locked in
required position.
Contains:
Uni-Handle UH1000
Double Ended T120 - BT1200 Triangular Scraper.



Scraper Blades

Order	Blade	Dimension
BD5010 (60°-D50)		3.2 x 50 mm
BD5501 (60°-D55)		3.2 x 50 mm
BD6610 (50°-D66)		3.2 x 48 mm
BD7510 (60°-D75)		3.2 x 75 mm
BD7710 (50°-D77)		3.2 x 73 mm
BT5000 (60°-T50)		3.2 x 51 mm
BT7000 (60°-T70)		4.2 x 57 mm
BT8001 (60°-T80)		2.5 x 80 mm
BT3001 (60°)		Double Side

Double Deburring Tools



Order: **DB1000**

Double Burr

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 - 12 mm / Contains: N80 - BN8010



Order: **NG3200**

Noga V Cut

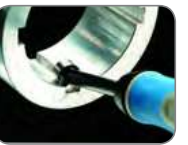
For deburring sheet metal
1 - 8 mm.
Contains:
NG-3 Handle - NG3000
L Holder - EL07013
L3 - BL3001



Order: **NG3300**

Keyway Burr

Effectively removes burrs
from internal and
external keyways.
Range: 2.4 - 11 mm
Contains: NG-3 Handle - NG3000
K Holder - EL04003 / N80K - BN8110



Order: **NG3710**

Inner Hole Scraper

Ideal for cross-holes deburring.
Contains:
NG-3 Handle - NG3000
D Holder - EL05003
D66 - BD6610



Deburring Blades

Order	Blade	Range
BN8010 (55°-N80)		0 - 12 mm
BN7001 (55°-N70K)		1.2 - 8 mm
BN8110 (55°-N80K)		2.4- 11 mm
BN9009 (55°-N90K)		3 - 15 mm
BL3001 (50°-L3)		1 - 8 mm
BL4004 (50°-L4)		0 - 2.5 mm
BC3201 (90°-RD3.2)		0 - 3 mm
BC1001 (90°-TC)		Max. 3 mm pitch



Deburring & Countersink Tools

Holes

Pipe Cross Holes

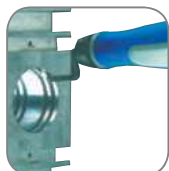
External Shaft



Order: **NG1100**

Noga O-Ring Burr

Removes burrs from internal O-ring grooves. Range 0-3(groove width). Contains: NG-1 Handle - NG1000 O-Ring - BO1001



Order: **NG1200**

Internal Rotodrive

The quickest way to chamfer by hand. Single flute countersink provides a smoother cut. Range: 1 - 10.4 mm Contains: NG-1 Handle - NG1000 RD10.4 - BC1041



Order: **NG1700**

External Rotodrive

Chamfer the O.D. of bars and tubes. Quickest way to chamfer O.D. on almost all materials. Range: 4 - 18 mm Contains: NG-1 Handle / EX18 - EX2001



Deburring & Countersink Blades

Order	Blade	Range
BO1001 (40°)	O-Ring	1 - 3 mm
BC8301 (90°-RD8.3)		1 - 8.3 mm
BC1041 (90°-RD10.4)		1 - 10.4 mm
BC1651 (90°-RD16.5)		1 - 16.5 mm
EX2001 (90°-EX18)		4 - 18 mm
EX3011 (90°-EX28)		8 - 28 mm



Order: **NG3100**

Countersink

The standard tool for countersinking. Useful for chamfering deep holes. Contains: NG-3 Handle - NG3000 C20 - BC2011 C Holder - CH3000



Order: **NG3400**

Heavy Duty Rotodrive

40mm displacement allows for heavy duty burrs to be removed. Contains: NG-3 Handle - NG3000 C20 - BC2011 H.D. Ext. RotoDrive Holder - EL0902



Reversible Countersinks



Order: **RC1000**

Mini Reversible

Very fine tool for deburring both back and front side of holes. Range: 3 - 5.5 mm Contains: R1 - BR1001



Order: **RC2000**

Medium Reversible

For deburring both back and front side of holes. Range: 5 - 10 mm / Contains: R2 - BR2001



Order: **RC3000**

Large Reversible

For deburring both back and front side of holes. Range: 10 - 22 mm / Contains: R3 - BR3001

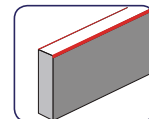
Countersink Blades

Order	Blade	Range
BC1211 (90° - C12)		1 - 12 mm
BC2011 (90° - C20)		3 - 20 mm
BC3011 (90° - C30)		3 - 30 mm
BR1001 (90° - R1)		3 - 5.5 mm
BR2001 (90° - R2)		5 - 10 mm
BR3001 (90° - R3)		10 - 22 mm

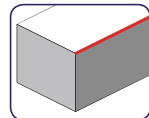


Ceramic Tools

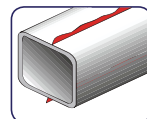
Thin Sheet Metal



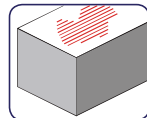
Straight Edges



Parting Line Flash



Surface Scraping



Order: **CR2000**

Convex Cera-Cut

Ideal for surface scraping and parting line deflashing. Ideal for all plastic materials and soft metals. Blade can be replaced. Contains: CERA-CUT Handle - CR2100 CONVEXED BLADE - CR2200



Order: **CR2300**

Convex Cera-Cut

Ideal for curved edges and small ridges. Ideal for all plastic materials and soft metals. Blade can be replaced. Contains: CERA-CUT Handle - CR2100 CONCAVED BLADE - CR2500



Order: **CR1100**

Cera-Cut

Ideal for deburring plastics and other soft materials. Extremely long life. Disposable tool. Contains: 250mm convexed radius ceramic blade, mounted in ergonomically held handle with soft grip.



Order: **DB5000**

Ceramic Double Burr

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



Spare Ceramic Blades

Convexed Order: CR2200	Concaved Order: CR2500	V Shaped Order: CR5100
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