

DESIGN  
MANUFACTURE  
SUPPLY



DIAMOND TOOLING  
SETTING THE STANDARD  
WORLDWIDE

# INTRODUCTION



## THE COMPANY

D.K. Holdings Limited has been manufacturing diamond tools and associated products since 1959. We have developed a unique expertise in producing and supplying diamond tooling specifically for the composites industry.

## ISO 9001 QUALITY STANDARD

Our products are made to the highest quality standards. We are certified with the approved quality management system BS EN ISO 9001 : 2015 for manufacture and supply of our products.

## DIAMOND TOOLS

Flexible diamond tools of various shapes that will quickly and economically grind and polish a large range of materials in industry.

## STOCK & SPECIAL TOOLS

A large range of the most popular products are held in stock at our Staplehurst factory for immediate despatch. Special tools can be designed and manufactured to meet your specific requirements on a relatively short lead time.

Our Technical Department can test and advise on the correct tooling required for special materials.

## VISIT OUR FACTORY

We are happy to invite you to visit our UK factory located opposite Staplehurst Railway Station, which is on the main railway line just 60 minutes from London's Charing Cross Station.

ADDRESS:	Station Approach, Staplehurst, Kent TN12 0QN, UK
TELEPHONE:	+44 (0)1580 891662
FAX:	+44 (0)1580 892724
E-MAIL:	<a href="mailto:info@dk-holdings.co.uk">info@dk-holdings.co.uk</a>
WEB:	<a href="http://www.dk-holdings.co.uk">www.dk-holdings.co.uk</a>

## INFORMATION

The information in this catalogue is given as a guide only and we reserve the right to alter, amend and delete prices, specifications and product availability without prior notice.

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# FLEXIBLE MATERIAL

## ELECTROFLEX & ELECTROPLUS MATERIAL

DK's flexible material has been developed by our engineers to combine the long life and aggressive cutting action of diamonds with a backing material which has strength and flexibility. This enables diamond tools of various shapes to quickly and economically grind and polish a wide range of hard materials such as natural and synthetic stones, glass, ceramics and hard metals.

**Electroplus** is an alternative to the Electroflex pattern and works particularly well when used as discs and belts for the rapid stock removal applications.



**ELECTROFLEX**



**ELECTROPLUS**

## CBN FLEX

DK's innovative CBN Flexible material was developed by our engineers to offer a long-lasting solution for wet grinding, polishing or finishing a range of ferrous metals including iron-base alloys, titanium alloys, stainless steel, high-temperature alloys as well as thermal spray coating within the engineering industry.

Offering longevity and enhanced durability compared to conventional abrasives, our flexible CBN material can be manufactured to fit a variety of machines.

**Grades** - Available in CBN60, CBN120 CBN200, CBN400, CBN800, CBN1200 & CBN1800.

**Shapes, sizes and backings** - Available as per our Electroflex and Electroplus ranges including bespoke on request.

## MANUFACTURING PROCESS

The manufacturing process creates diamond islands of identical size and shape with regular spacing. This has been designed to allow slurry to be freely washed away by the lubricant (coolant), eliminating clogging. The overall pattern produced gives the optimum rapid stock removal with the ability to achieve the desired honed or highly polished finish.





# FLEXIBLE MATERIAL

## ELECTROFLEX/ELECTROPLUS - METAL (M)

Selected high quality diamonds are electroplated with a nickel matrix through a special flexible stainless steel mesh, or a very strong flexible backing cloth, which achieves a very strong fast grinding and finishing product.

## ELECTROFLEX/ELECTROPLUS - RESIN (R)

The finer resin polishing grades are bonded with a resin matrix on to a very strong flexible backing cloth for a smooth grinding action to achieve an excellent polished finish.














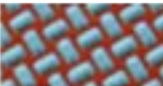

## WET WORKING

Electroflex and Electroplus products have been designed to be used wet to achieve the maximum performance, finish and life.

## DRY WORKING

Electroflex and Electroplus products are available for both wet and dry applications.

## GRADE IDENTIFICATION

<i>Electroflex</i> <i>Metal (M)</i>		<i>Electroplus</i> <i>Metal (M)</i>	
<b>GREEN</b> Grit 60 250 Micron  ①	<b>YELLOW</b> Grit 400 40-50 Micron  ④	<b>GREEN</b> Grit 60 250 Micron  ①	<b>YELLOW</b> Grit 800 20-30 Micron  ④
<b>BLACK</b> Grit 120 125 Micron  ②	<b>WHITE</b> Grit 800 20-30 Micron  ⑤	<b>BLACK</b> Grit 120 125 Micron  ②	<b>WHITE</b> Grit 1800 6-12 Micron  ⑤
<b>RED</b> Grit 200 74 Micron  ③	<b>BLUE</b> Grit 1800 6-12 Micron  ⑥	<b>RED</b> Grit 200 74 Micron  ③	
<i>Electroflex</i> <i>Resin (R)</i>		<i>Electroplus</i> <i>Resin (R)</i>	
<b>WHITE</b> Grit 800 20-30 Micron  ⑦	<b>ORANGE</b> Grit 12000 1-3 Micron  ⑨	<b>WHITE</b> Grit 800 20-30 Micron  ⑥	<b>ORANGE</b> Grit 12000 1-3 Micron  ⑧
<b>BLUE</b> Grit 1800 6-12 Micron  ⑧		<b>BLUE</b> Grit 1800 6-12 Micron  ⑦	

# HAND PADS

## ELECTROFLEX & ELECTROPLUS HAND PADS

Suitable for wet grinding and polishing the edges and surfaces of a wide range of hard materials including granite, marble, engineered stones, glass, ceramics and hard metals. All hand pads have colour coded superior foam backing for easy grade identification and a more comfortable grip.

Available in the following options:

### HAND PADS FLAT & CUSHIONED

**Standard** 75 x 75mm, 90 x 55mm and 100 x 55mm

Electroflex

Metal Grades 60 - 1800 grit Resin Grades 800 - 12000 grit

Electroplus

Metal Grades 60 - 1800 grit Resin Grades 800 - 12000 grit



## PROFILE HAND PADS

Profile "A" Hand Pads	Profile "B" Hand Pads	Profile "F" Hand Pads	Profile "H" Hand Pads	Profile "V" Hand Pads
EASED <b>A</b>	DEMI BULLNOSE <b>B</b>	OGE <b>F</b>	DUPONT <b>H</b>	FULL BULLNOSE <b>V</b>

DISCS

Electroflex and Electroplus discs are suitable for wet grinding and polishing all types of hard materials including granite, marble, terrazzo, engineered stone, glass, ceramics and hard metals. All sizes and grades available, with various fittings for hand and stationary machines.

OPTIONS:

Electroflex	Metal Grades	up to 700mm diameter
	Resin Grades	up to 600mm diameter
Electroplus	Metal Grades	up to 700mm diameter
	Resin Grades	up to 600mm diameter
Larger diameter may have a join.		
Backings	QRS (Velcro™), Self-Adhesive (S/A), Unbacked (Canvas), Magnetic, M14, D-Loc, Snail-Lock and Plastazote (Foam Rubber)	
Metal Grades	Electroflex	60-1800 grit
	Electroplus	60-1800 grit
Resin Grades	Electroflex/Electroplus	800-12000 grit

Recommended sequence for:  
Stone            Green (M), Black (M), Red (M), Yellow (M), White (R), Blue (R) & Orange (R)  
Glass            Green (M), Black (M), Red (M) & Yellow (M)

NOTE:    Dry discs available on request.

QRS (VELCRO™) BACKING

Quick release discs for grinding natural and synthetic stones, glass, ceramics and hard metals. Colour coded for easy grade identification.



SELF ADHESIVE (S/A) BACKING

Self adhesive flat lapping discs for grinding and polishing natural and synthetic stones, glass, ceramics and hard metals. Colour coded for easy grade identification.





## MAGNETIC BACKING

Quick release magnetic flat lapping discs for grinding and polishing natural and synthetic stones, glass, ceramics and hard metals. Colour coded for easy grade identification.



## UNBACKED BACKING (CANVAS)

Unbacked (canvas) flat lapping discs for grinding and polishing natural and synthetic stones, glass, ceramics and hard metals. Colour coded for easy grade identification.



## M14, SNAIL-LOCK & CLOVERLEAF DISCS

The Ø100mm M14 and Snail-Lock discs are used wet on hand held machines to rapidly grind and polish marble, granite, engineered stone, terrazzo, glass, ceramics and hard metals.



The Cloverleaf disc has been designed for wet grinding and polishing optical lenses.

## D-LOC DISCS

Quick release discs for grinding, polishing and deburring applications. Suitable for use on natural and synthetic stones, glass, ceramics and hard metals. Colour coded for easy grade identification.

### OPTIONS:

Diameters 25, 50 & 75mm  
Grades (M)60-1800 grit  
(R) 800-1200 grit



# BELTS

## ELECTROFLEX & ELECTROPLUS BELTS

DK's belts are being used extensively in wet grinding and polishing applications throughout the Aerospace, Ceramics, Glass, Paper and Stone industries. Advantages are consistent finish, increased productivity and reductions in downtime and abrasive costs.



## EXPANDING RUBBER MANDREL BANDS

Designed for light grinding, shaping and polishing applications on contoured and hard to reach areas.

### OPTIONS:

Diameters 10, 15, 22, 25, 30, 45 & 50mm.

**Electroflex:** Metal Grades 60-1800 grit  
Resin Grades 800-12000



## EXPANDING RUBBER DRUM BELTS

Suitable for wet grinding, shaping and polishing internal cut-outs and flat edges on hand held and stationary machines.

### OPTIONS:

Diameters 75, 100, 150 & 200mm.

**Electroflex Grades** Metal 60-1800 grit Resin 800-12000  
**Electroplus Grades** Metal 60-1800 grit Resin 800-12000



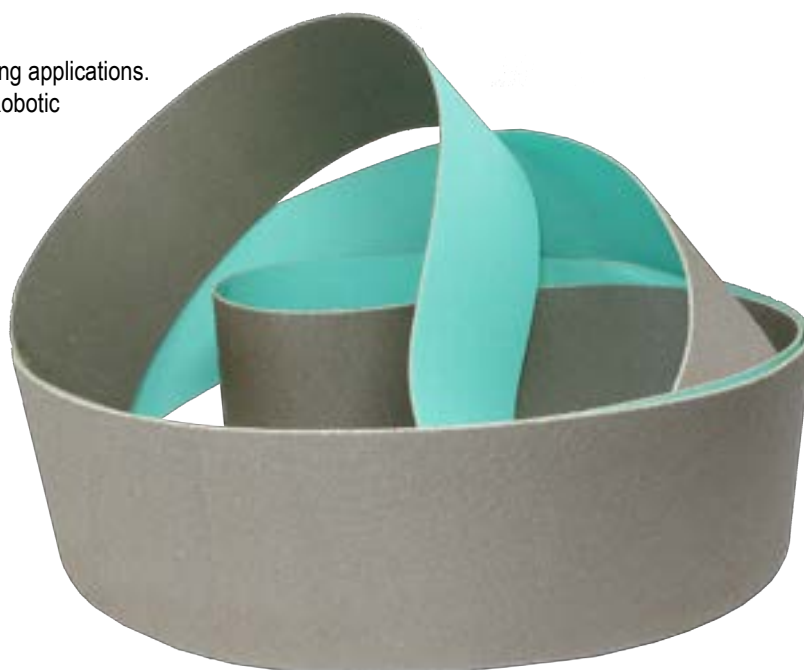
## GLASS BELTS

Diamond belts developed for glass abrassing and seaming applications. All sizes available to fit popular Hand, Cross Belt and Robotic machines..

### OPTIONS:

**Electroflex**  
**Metal Grades** 60-400 grit

Popular diameters range from 533mm long to 2250mm long and widths 30mm to 100mm.



NOTE: Dry belts are available on request.





# SHEETS

## SHEETS

Flexible material can be supplied in sheets of various sizes and backings, which can be easily cut with scissors to make customised tooling.

### OPTIONS:

Metal Grades  
Sheet Dimensions 850 x 290mm

Resin Grades  
Sheet Dimensions 650 x 290mm

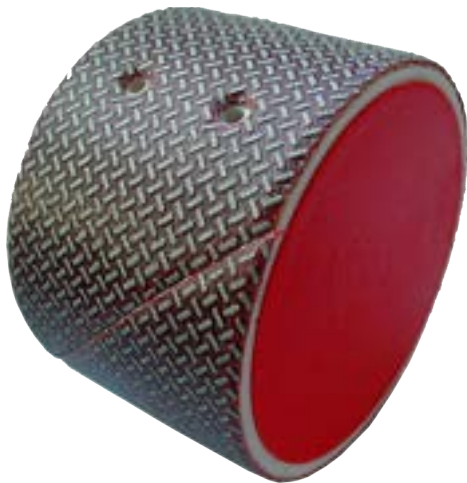
### TYPES OF BACKINGS

Unbacked (Canvas)  
QRS (Quick Release System - Velcro™)



## VANITY DRUMS

M14 Drums with central water-feed for wet grinding and polishing internal cut-outs in granite, marble, engineered stone and glass.



### OPTIONS:

Diameters 50 & 75mm.

<b>Electroflex:</b>	Metal Grades	60-1800 grit
	Resin Grades	800-12000 grit
<b>Electroplus:</b>	Metal Grades	60-1800 grit
	Resin Grades	800-12000 grit

NOTE: Other sizes available on request.

# PADS

For grinding and polishing natural and synthetic stones, glass and ceramics.

## FEIN TRIANGLE QRS

### OPTIONS:

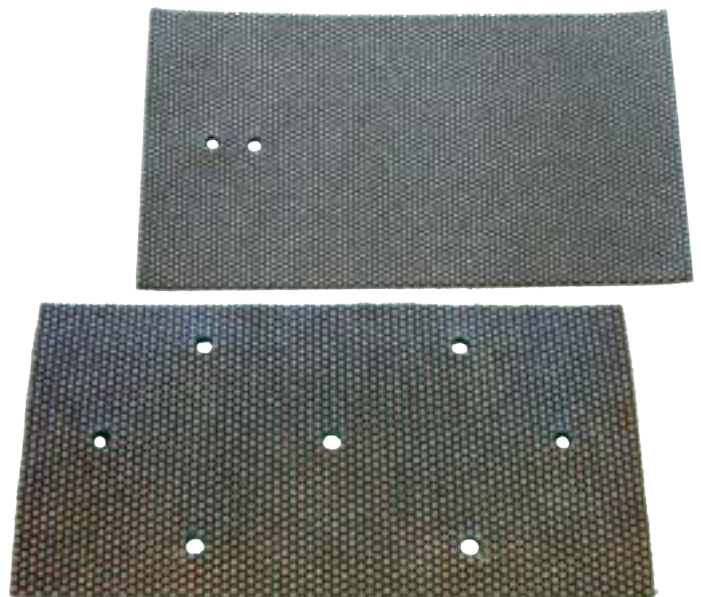
<b>Electroflex:</b>	Metal Grades	60-1800 grit
	Resin Grades	800-12000 grit
<b>Electroplus:</b>	Metal Grades	60-1800 grit
	Resin Grades	800-12000 grit



## ORBITAL SANDER QRS

### OPTIONS:

<b>Electroflex:</b>	Metal Grades	60-1800 grit
	Resin Grades	800-12000 grit
<b>Electroplus:</b>	Metal Grades	60-1800 grit
	Resin Grades	800-12000 grit



NOTE: Sizes as required are available on request.

# HAND FILES

## HAND FILES

General purpose files supplied in sets of 4 different profiles.

### OPTIONS:

Size: 155mm Overall length.



# SHARPENING BLOCK

## DIAMOND SHARP BLOCK

Diamond sharpening chisels and knives.

### OPTIONS:

#### Diamond Sharp Block

Complete Block

Metal Grades Electroflex/Electroplus 200 & 400 grit

#### Replacement Strips

Sizes 35 x 50mm & 135 x 25mm

Metal Grades Electroflex/Electroplus 120, 200 & 400 grit



NOTE: Other grades are available on request.

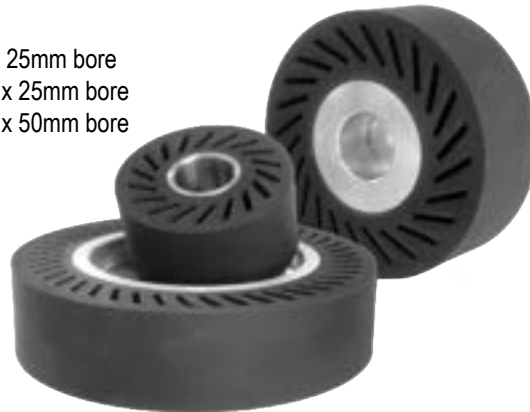


## EXPANDING RUBBER DRUM

Suitable for hand held or stationary machines

### OPTIONS:

Sizes            Ø75 x 38mm x 25mm bore  
                      Ø100 x 38mm x 25mm bore  
                      Ø150 x 38mm x 50mm bore



## RUBBER DRUM ADAPTOR

Used in conjunction with expanding drums on stationary machines.  
 CONTINENTAL (½" BSP) to 75/100mm



## D-LOC MANDRELS

Quick release backup pads and shaft for D-Loc Discs.

### OPTIONS:

Sizes            Ø25mm  
                      Ø50mm  
                      Ø75mm



## EXPANDING RUBBER MANDRELS

For flexible diamond mandrel bands.

### OPTIONS:

Sizes            Ø10 x 20mm, Shank Ø6mm  
                      Ø15 x 30mm, Shank Ø6mm  
                      Ø22 x 20mm, Shank Ø6mm  
                      Ø25 x 25mm, Shank Ø6mm  
                      Ø30 x 30mm, Shank Ø6mm  
                      Ø45 x 30mm, Shank Ø6mm



## BACKUP PADS

Backing pads for QRS and Snail-Lock discs.

### OPTIONS:

#### QRS FLAT TYPE

Ø80mm & Ø100mm, with M14 fitting  
 Ø100mm, with Snail-Lock fitting

#### QRS CUSHION TYPE (12mm Cushion)

Ø80mm, Ø100mm & Ø115mm, with M14 fitting  
 Ø100mm, with Snail-Lock fitting

#### QRS RUBBER TYPE (Semi-Rigid)

Ø75mm, Ø100mm & Ø125mm, with M14 fitting

#### M14 to SNAIL-LOCK

Ø100mm, Ø130mm & Ø150mm



# BUSINESS TERMS

## BUSINESS HOURS

Monday — Friday : 8.00 am - 5.00 pm

## ORDERING IS EASY

Contact us on:



TELEPHONE - +44 (0)1580 891662



E-MAIL - [sales@dk-holdings.co.uk](mailto:sales@dk-holdings.co.uk)



Or alternatively post your order to:  
DK Holdings Limited  
Station Approach, Staplehurst  
Kent TN12 0QN  
UK

## MINIMUM ORDER VALUE

There is no minimum order value.

## DELIVERY

Phone or email your order through to our sales department before 12.00pm for same day despatch on certain stocked items when you hold an approved credit account. For non account holders we will despatch on receipt of payment. Cheques and credit card/debit payments accepted.

## DEDICATED SALES TEAM

Our fully trained sales staff are ready to take your calls from 8.00am to 5.00pm Monday to Friday (answering system outside these call times). They can offer advice and guidance to ensure that you get the right product for your application.

## SERVICE IS OUR STRENGTH

Our service does not end when a product has been sold. Qualified personnel provide operator training and after-sales technical support.

## PAYMENT TERMS

Paying is easy. Open an account, pay by credit/debit card, cheque or credit transfer.

To qualify for credit account status, a credit application must be completed in full. Satisfactory references are required for credit consideration.

## CARD PAYMENTS

We accept payment by Visa, MasterCard, Maestro and Visa Debit.

## BANK DETAILS

### International Bank Account Number (IBAN)

Bank:	National Westminster Bank PLC
Address:	3 High Street, Maidstone, Kent, ME14 1XU, United Kingdom.
Country:	GB
Currency:	STERLING
Sort Code:	60-60-08
Account No:	02901749
IBAN No:	GB10NWBK60600802901749
B.I.C. No:	NWBKGB2L



@DK\_Holdings



DK Holdings Limited

# PURCHASE ORDER

Company Name & Address		Despatch Address [if different to Company Address]	
Name:	Authorized Signature:	Order No.	Date:

DESPATCHING INSTRUCTIONS		INVOICING INSTRUCTIONS	
9	Courier	9 Visa Debit 9 Visa	9 Mastercard 9 Maestro
9	1st Class Post	Account No.	
9	Parcel Post	Expiration date	Security No.
9	Air Freight	Name of cardholder	
9	Road Freight	9 COD 9 Prepayment	
9	Other	9 Invoice - established account, approved credit	

QTY	CODE	DESCRIPTION	UNIT PRICE

D.K. Holdings Limited collects personal information when you complete this form or place an order with us for our products. We will use this information to provide the products and services requested, maintain guarantee records and, if you have agreed, to send you occasional marketing information. For further information on how our data might be used, please see our Privacy Notice.

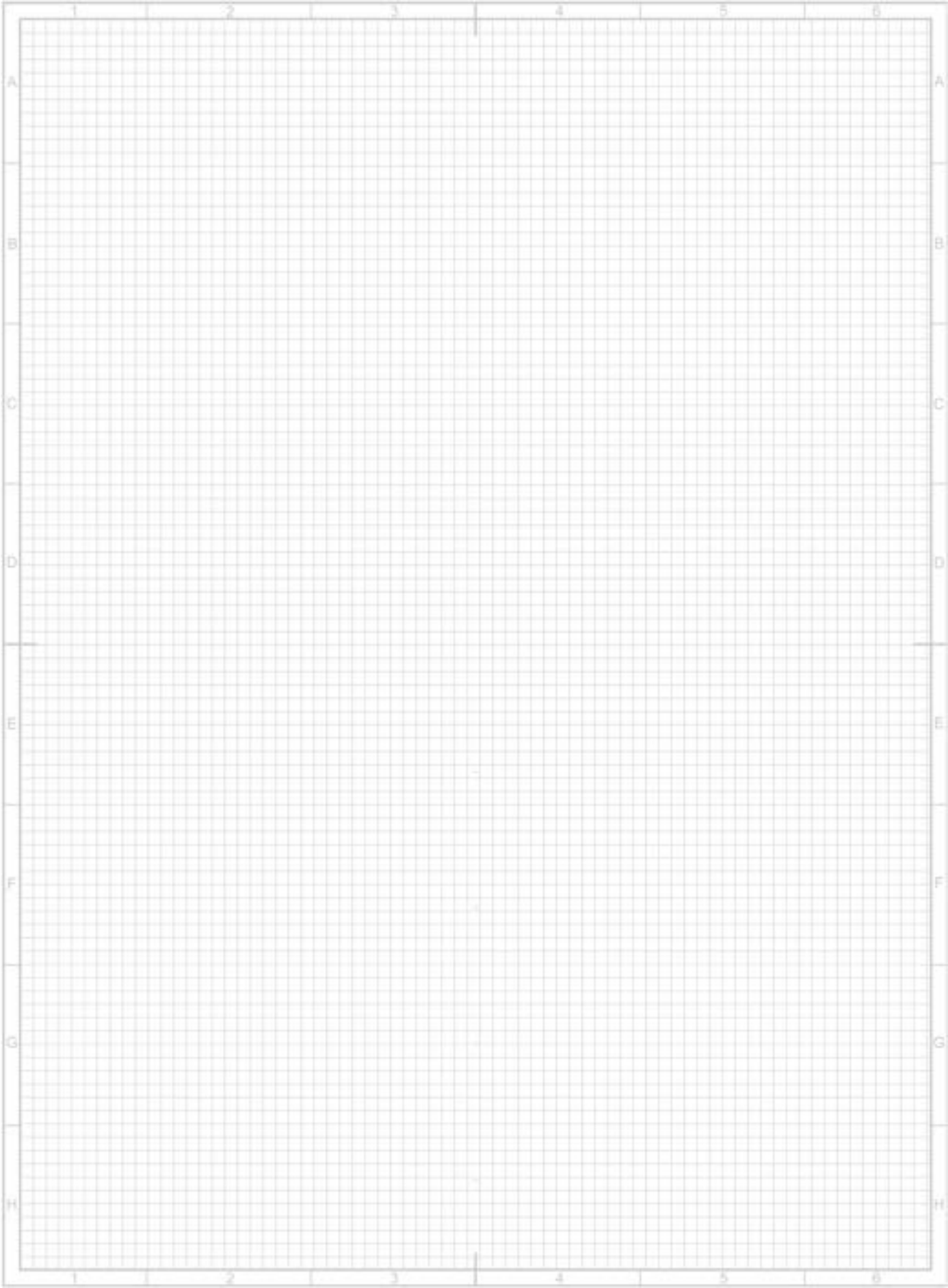
We would like to send you information about our products. Please tick one of the following.

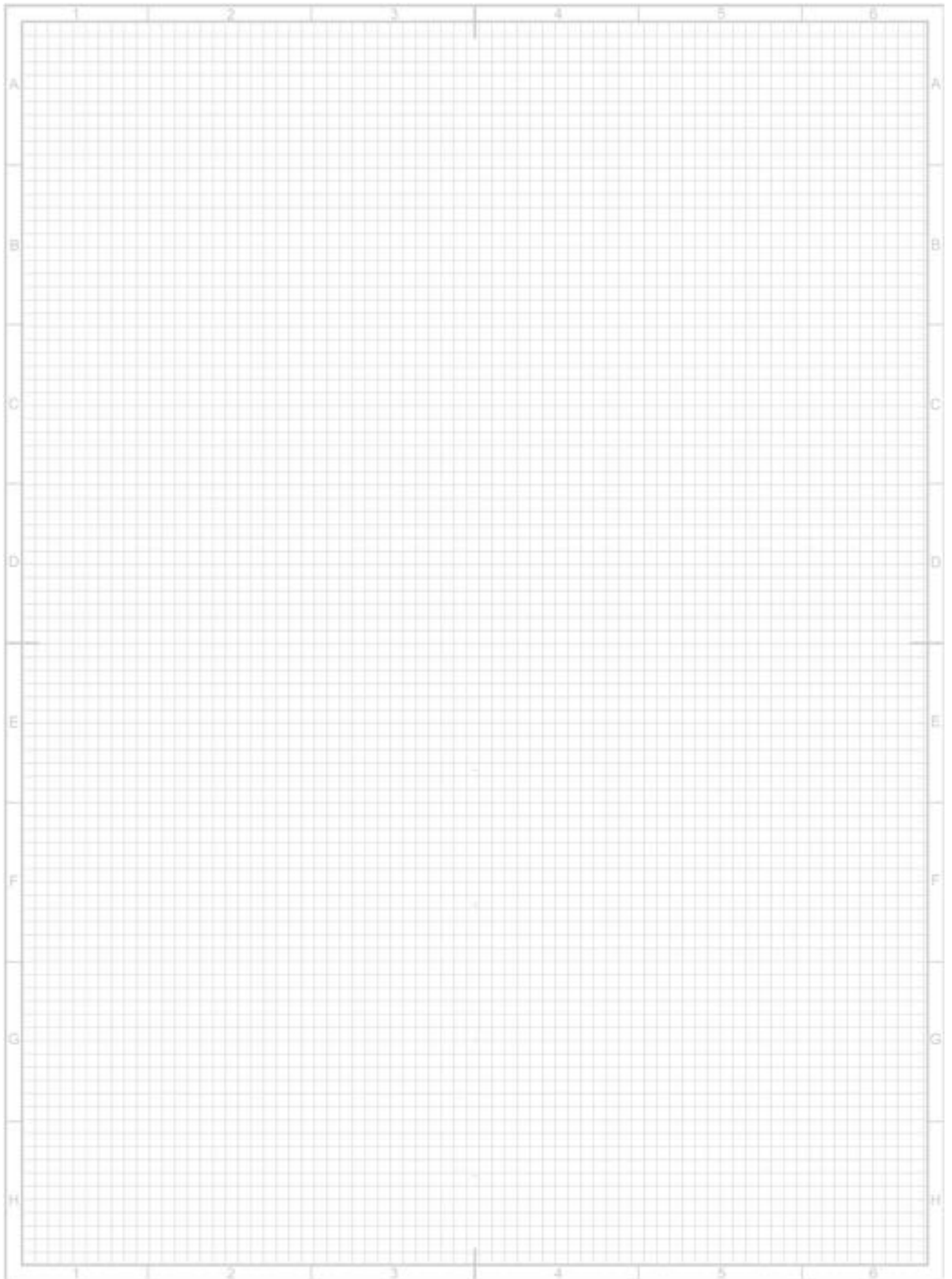
Yes, I do agree ~

No, I do not agree ~



# NOTES





Get in touch with us and find out more  
about our other Diamond Tooling Ranges.