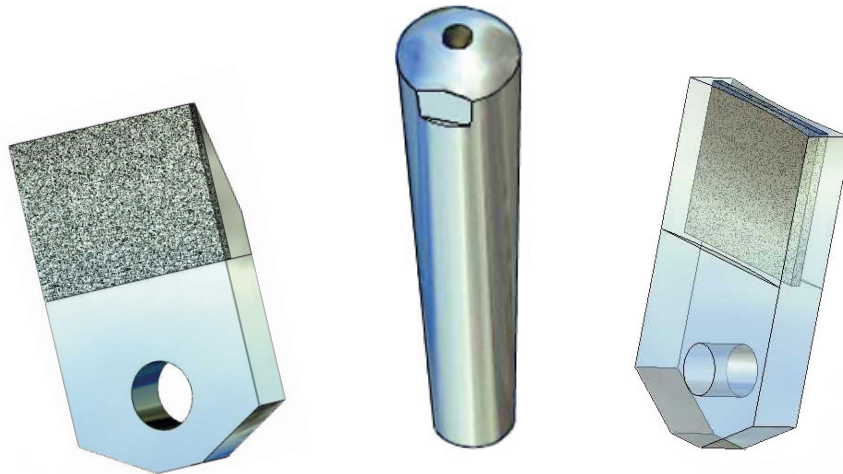


**90 YEARS**  
**1929-2019**



# Diamond Dressing Tools and Diamond Polishing Paste

Price list A09/2020

**KRAUS & WINTER**  
DIAMANT- UND CBN-WERKZEUGE  
1929

**The QR-Codes lead you directly to our  
Online-Shop!**



All prices are per piece, ex works.

## Corporate History

Top quality at reasonable prices

Since 1929, this philosophy has determined our range of products and services.  
To celebrate our 90th anniversary, we would like to invite you to a journey through time.

During his training in a glass factory, the later co-founder Theodor Felix Kraus came into contact with glazier diamonds for the first time and learned how to repair them. The First World War forced him to interrupt his training, but after his time as a soldier in France and Russia, his way led him first to Sweden and back to France where he acquired further knowledge and techniques in the production of diamond tools. Upon his return to Germany, Theodor Felix Kraus was already considered a specialist in the field.

On October 1st, 1929, Theodor Felix Kraus and the businessman Willy Winter founded the Kraus & Winter company at Lindenstraße 5 in Hamburg. The entry into the commercial register took place only 8 days later on 9th October 1929. The first target groups were glass, laboratory and natural stone companies and supplied with the first diamond tools. In 1935, less than 10 years later, the partner Willy Winter retired and Theodor Felix Kraus continued the company as sole owner.

In 1938, the company moved to Hamburg-Lokstedt Lottestraße 9-11 in order to meet increased customer demands and broadening capacity. Over the years, production was expanded into more and more areas.

In 1956 the office was moved to its present location in Hamburg-Lemsahl, and extended in by an annex.

His son Felix-Gunter Kraus joined the company at a young age during his apprenticeship. As a result, the range of diamond tools for all areas was supplemented by his devices for optical glass processing. Thus the field of ophthalmic optics also became potential customers.

Theodor Felix Kraus died in 1974. His son took over the company in the same year and led it safely into the new age.

After 90 years of experience, our company still relies on sound know-how in the manufacture of diamond and later CBN tools, intensive research and development work, state-of-the-art production methods, as well as a team of motivated and qualified employees and recognizes them as an essential basis for consistently high quality, forward-looking production optimization and innovation in our company.

By using the latest technology in our company, such as CAD workstations, ERP systems for monitoring order, production and delivery processing, as well as careful final inspections, we can guarantee you on-time delivery and the highest quality standard, even for custom-made products.

Armed with these prerequisites, we look forward to a future far beyond 2019.

Be a part of our advancement.  
We will be happy to advise you.

**KRAUS & WINTER**  
**90 YEARS**  
**DIAMOND TOOLS**

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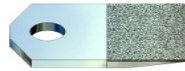
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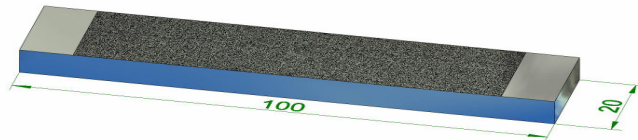
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# Standard Grit Size for Diamond and CBN (Bornitride)

In the following grain table we not only have the FEPA but also the US-mesh designation, mesh opening in micron ( $\mu$ ) and conventional grain designations listed. You can then perform conversion yourself.

Diamond Standard FEPA		CBN Standard FEPA		US-Standard (US Mesh)		Mesh Size $\mu$	Grit Size Siliziumcarbide Corundum
narrow	wide	narrow	wide	narrow	wide		
D1181 D1001	D1182	-	-	16/18 18/20	16/20	1180-1000 1000-850	20
D851 D711	D852	-	-	20/25 25/30	20/30	850-710 710-600	24 30
D601 D501	D602	B501	-	30/35 35/40	30/40	600-500 500-425	36 40
D427 D356	D427	B426 B356	B427	40/45 45/50	40/50	425-355 355-300	46 50
D301	-	B301	-	50/60	-	300-250	60
D251 D213	D252	B251 B213	B252	60/70 70/80	-	250-212 212-180	70 80
D181	-	B181	-	80/100	-	180-150	90
D151	-	B151	-	100/120	-	150-125	100
D126	--	B126	-	120/140	-	125-106	120
D107	-	B107	-	140/170	-	106-90	150
D91	-	B91	-	170/200	-	90-75	180
D76	-	B76	-	200/230	-	75-63	200
D64	-	B64	-	230/270	-	63-53	220
D54	-	B54	-	270/325	-	53-45	250
D46	-	B46	-	325/400	-	45-38	280
D35	-	-	-	400/500	-	40-32	320
D30	-	B30	-	450/550	-	32-25	340
D25	-	-	-	600	-	30-20	380
D20	-	-	-	-	-	25-15	-
D15	-	B15	-	1200	-	20-10	600
D10	-	-	-	-	-	15-8	-
D7	-	-	-	2400	-	12-6	1000
D6	-	-	-	-	-	8-4	-
D3	-	-	-	6000	-	4-2	-
D1	-	-	-	8000	-	2-1	-

# Single Point Diamond Dressers



## Single Point Diamond Dressers

These single point diamond dressers are universally applicable. The quality of the rough diamond is of vital importance. Therefore the assessment is made based on mineralogical aspects and our experience.

We offer three qualities:

Premium: octahedron diamond with 5 – 6 points, without chinks

Standard: diamond with 3 points blocky form, small hairline cracks.

Basic: diamond with 1 – 2 points, blocky chatty form, inclusions and small cracks.

The price for single point diamond dressers with more that 1.00 carat is available on request.

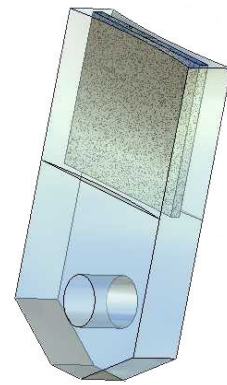
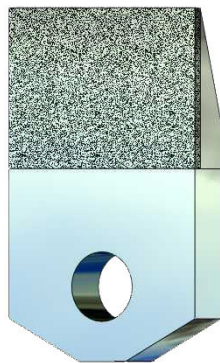
Art.No.	Wheel Ø	Size	Carat	Quality	Price €
110020	100	1	0,20	Premium	27,00
110025	150	2	0,25		34,00
110030	200	3	0,30		41,00
110035	250	4	0,35		47,00
110045	300	5	0,45		58,00
110055	350	6	0,55		72,00
110065	400	7	0,65		93,00
110075	450	8	0,75		110,00
110085	500	9	0,85		122,00
110100	550	10	1,00		158,00
111020	100	1	0,20	Standard	25,00
111025	150	2	0,25		32,00
111030	200	3	0,30		37,00
111035	250	4	0,35		43,00
111045	300	5	0,45		53,00
111055	350	6	0,55		64,00
111065	400	7	0,65		74,00
111075	450	8	0,75		84,00
111085	500	9	0,85		93,00
111100	550	10	1,00		107,00
112020	100	1	0,20	Basic	22,00
112025	150	2	0,25		28,00
112030	200	3	0,30		34,00
112035	250	4	0,35		38,00
112045	300	5	0,45		48,00
112055	350	6	0,55		57,00
112065	400	7	0,65		67,00
112075	450	8	0,75		75,00
112085	500	9	0,85		84,00
112100	550	10	1,00		96,00

All Prices inclusive Holder. Please indicate Holder measurements!

## Holder for Diamond Dressers

Art.No.	Description	Price €
100000	Hand Holder with Handle for MK1	25,00
100001	Hand Holder with Handle for MK0	25,00
116000	Machines Holder for MK1	20,00
116001	Machines Holder for MK0	20,00

# Diamond Dresser Blades for Dressing and Profiling





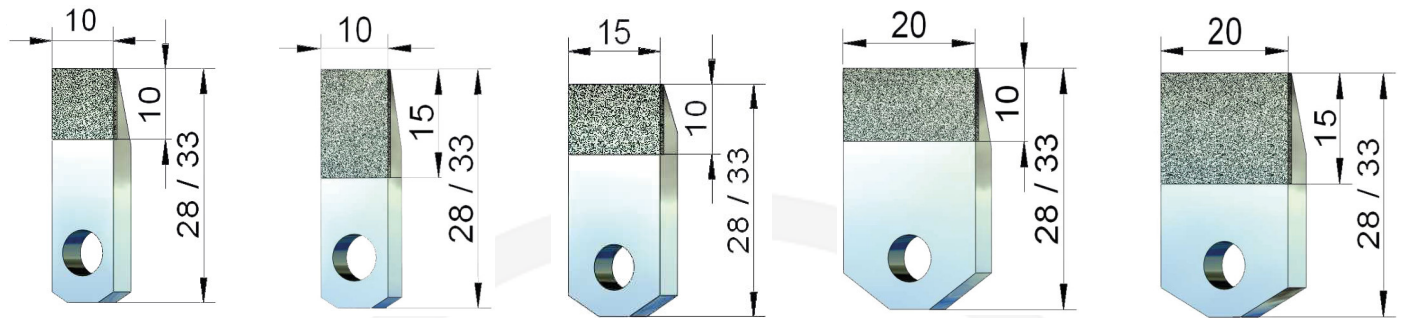
# Technical Details of Diamond Grain Dressing Blades

Kraus & Winter diamond dressing blades are universal dressing tools which combines the positive characteristics of the single point dresser and the multi grain diamond dresser.

This diamond dressing blade is suitable for flat dressing as well as contouring and profiling.

The narrow face width (X) correspond to the working edge of the dressing and profiling diamond respectively.

The diamond dressing blades can be used up completely just like a multi grain diamond dresser.



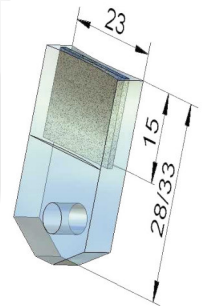
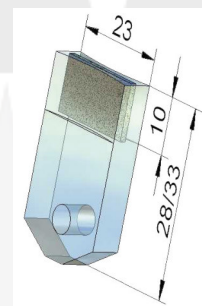
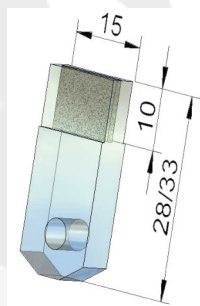
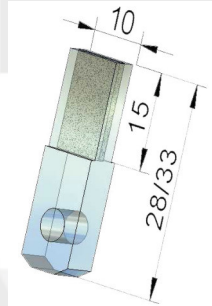
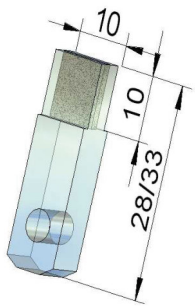
BK1010W

BK1015W

BK1510W

BK2010W

BK2015W



BK1010H

BK1015H

BK1510H

BK2010H

BK2015H

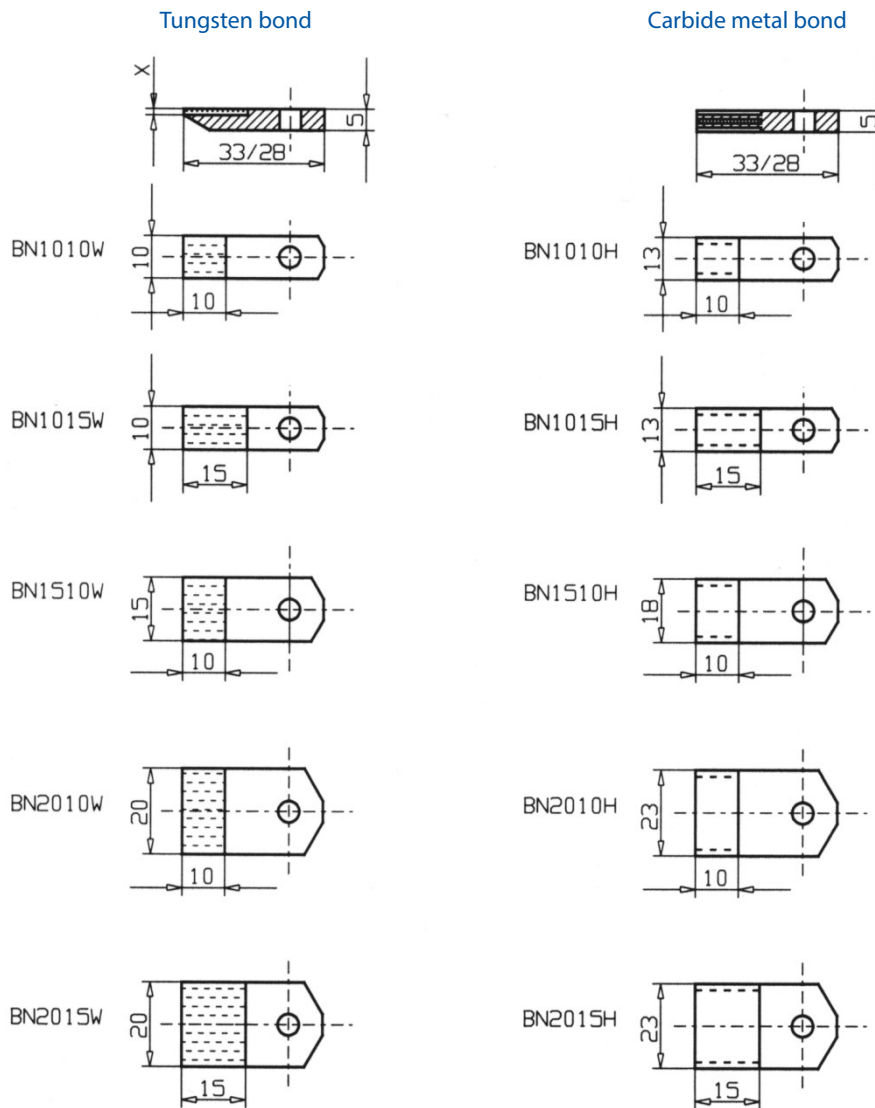
Length of dressing blades 33 or 28 mm.

**ATTENTION:**

Please indicate Art.No., length of the blade and grit size of the ceramic wheel!

# Technical Details of Diamond Needle Dressing Blades

Kraus & Winter diamond needle dressing blades are equipped with high-quality diamond needles mounted using a special process. These needle dressing blades are used for easy profiles and larger grinding wheels with long dressing lines.



Length of dressing blades 33 or 28 mm.

**ATTENTION:**  
Please indicate Art.No., length of the blade and grit size of the ceramic wheel!

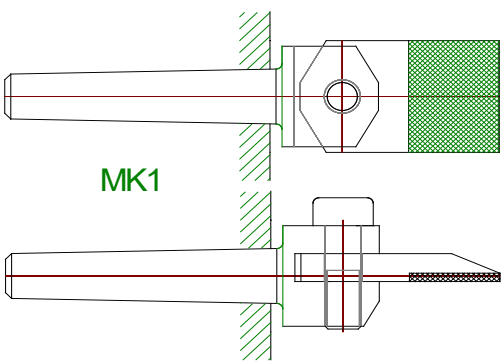
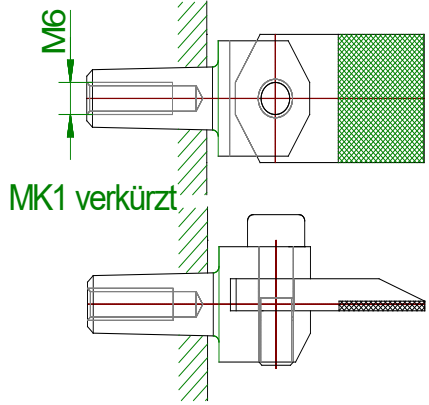
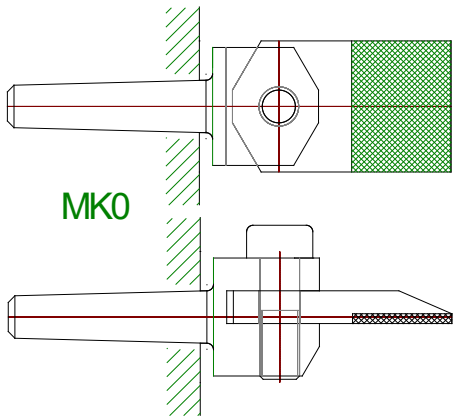
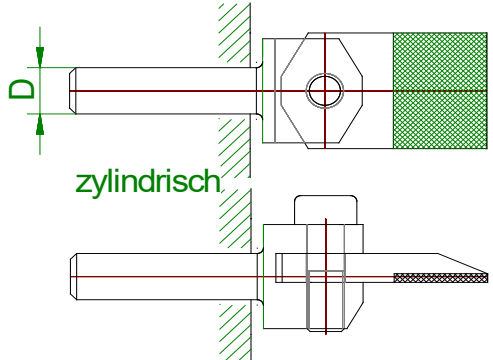
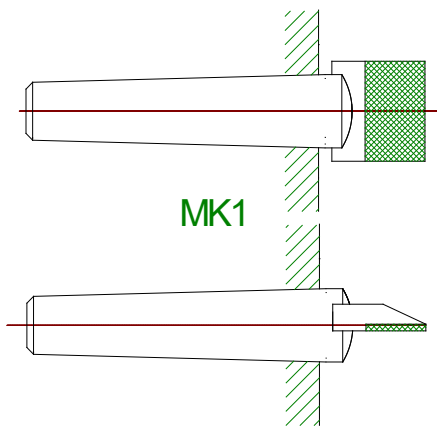
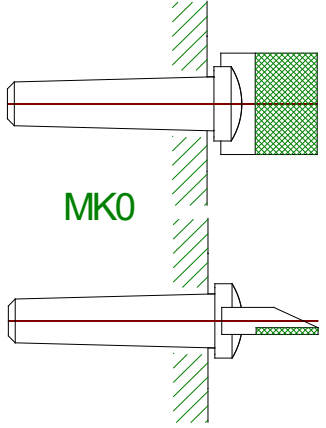
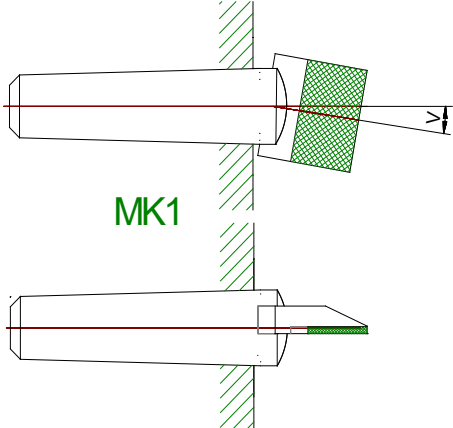
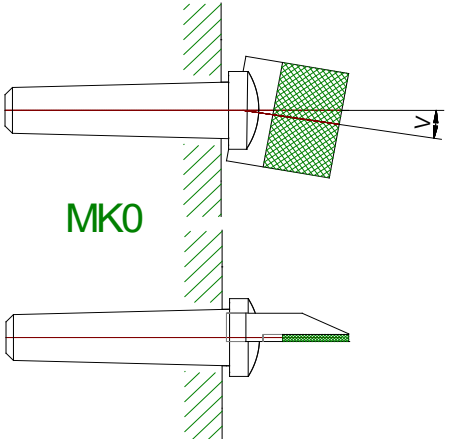
# Diamond Blades for Dressing and Profiling

Minimum order quantity is 2 pieces

Art.No.	Insert	Diamond Type	Bond	Price €
BK1010W	10x10	Grit	Tungsten bond	69,00
BK1015W	10x15			75,00
BK1510W	15x10			75,00
BK2010W	20x10			84,00
BK2015W	20x15			99,00
BK1010H	10x10	Grit	Carbide metal bond	78,00
BK1015H	10x15			82,00
BK1510H	15x10			82,00
BK2010H	20x10			105,00
BK2015H	20x15			125,00
BN1010W	10x10	Needle	Tungsten bond	77,00
BN1015W	10x15			81,00
BN1510W	15x10			81,00
BN2010W	20x10			88,00
BN2015W	20x15			99,00
BN1010H	10x10	Needle	Carbide metal bond	79,00
BN1015H	10x15			83,00
BN1510H	15x10			83,00
BN2010H	20x10			105,00
BN2015H	20x15			125,00

Please indicate length of dressing blades 33 or 28 mm

# Holder for Diamond Blades

<p>BH1 Moving</p> <p>MK1</p> 	<p>BH2 Moving</p> <p>MK1 verkürzt</p> <p>M6</p> 
<p>BH3 Moving</p> <p>MK0</p> 	<p>BH4 Moving</p> <p>zylindrisch</p> <p>D</p> 
<p>BH5 Straight</p> <p>MK1</p> 	<p>BH6 Straight</p> <p>MK0</p> 
<p>BH7 Angular, right or left</p> <p>MK1</p> 	<p>BH8 Angular, right or left</p> <p>MK0</p> 

## Holder for Diamond Blades

Art.No.	Holder Type	Price €
BH1	Moving Holder MK1	27,00
BH2	Moving Holder MK1, short with M6 inside thread	27,00
BH3	Moving Holder MK0	27,00
BH4	Moving Holder cylindrical Shank	27,00
BH5	Straight Holder MK1	15,00
BH6	Straight Holder MK0	15,00
BH7	Angular Holder MK1	15,00
BH8	Angular Holder Mk0	15,00



# **Multi Grain Diamond Dressers and Ultra Fine Diamond Dressers Type VK und AA**



## Multi Grain Diamond Dressers

The sintered components of our diamond multi grain dressers are equipped with several single diamonds or abrasive diamond grit in one or more layers. The number of diamond used depends on the grit size of the grinding wheel to be dressed.

Advantage of these diamond multi grain dressers is that they can be completely used.

Art.No.	Diamond/ Layer	Carat	Insert	Price €
VK03100R	3/1	1,00	16x8	63,00
VK03100	3/1	1,00	11x6	63,00
VK06100	3/1	1,00	14x5	63,00
VK09100	9/3	1,00	8x12	63,00
VK15050	15/3	0,50	8x12	55,00
VK50250	50/4	2,50	8x11	77,00
VK50500	50/4	5,00	11x11	128,00
VK60100	60/4	1,00	8x8	63,00
VK60250	60/4	2,50	8x11	78,00
VK60500	60/5	5,00	11x11	128,00
VK70350	70/5	3,50	8x11	97,00
VK80100	80/5	1,00	8x8	63,00
VK80250	80/5	2,50	8x11	77,00

Please indicate Art.No., grit size, or the grit size of the ceramic wheels as well as shank size!

## Ultra Fine Diamond Dressers

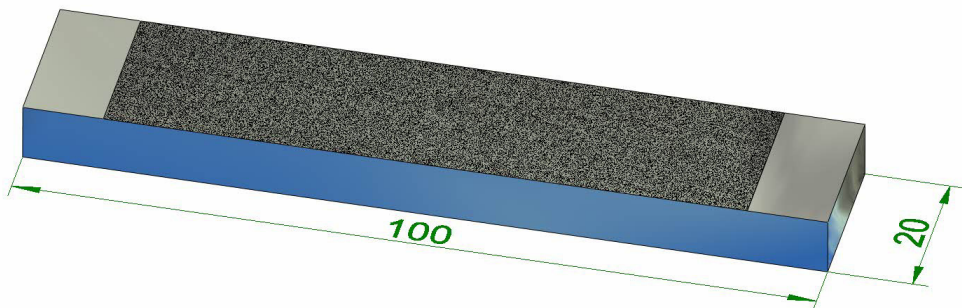
Ultra fine diamond dressers are equipped with a sintered insert whereby the diamond grit depends on the grit size of the wheel to be dressed.

These ultra fine diamond dressers are completely used up just like the diamond multi grain dressers.

Art.No.	Grit	Carat	Insert	Price €
AA050	D64-D851	0,50	Insert as Shank size	55,00
AA060		0,60		55,00
AA075		0,75		55,00
AA080		0,80		55,00
AA100		1,00		55,00
AA125		1,25		59,00
AA150		1,50		61,00
AA200		2,00		63,00
AA250		2,50		66,00
AA300		3,00		75,00
AA350		3,50		85,00
AA400		4,00		94,00
AA500		5,00		110,00

Please indicate Art.No., grit size, or the grit size of the ceramic wheels as well as shank size!

# Diamond Dressing Strips Type DAL





## Diamond Dressing Strips Type DAL

Kraus & Winter Diamond Dressing Strips sind einseitig mit einer galvanischen Diamantbeschichtung versehen und werden auf Flachsleifmaschinen zum Abrichten von kunstharzgebundene CBN-Schleifscheiben eingesetzt.

Für das Abrichten ist der Einsatz von Kühlmittel erforderlich und anschließend muss die Schleifscheibe mit unseren Abziehsteinen geschärft werden.

The Diamond Grit Size richtet sich nach der Körnung der abzurichtenden CBN Grinding Wheel.

Art.No.	Diamond Layer	Grit Size	Measurement	Price €
DAL100.80.20.501	80x20 mm	D501	100x20x8	76,00
DAL100.80.20.426		D426		
DAL100.80.20.356		D356		
DAL100.80.20.251		D251		
DAL100.80.20.181		D181		
DAL100.80.20.126		D126		
DAL100.80.20.091		D91		
DAL100.80.20.064		D64		



# Diamond Polishing Paste



# Diamond Polishing Paste, high Concentration, in Plastic Syringe

We offer only highly concentrated diamond polishing paste as these are more cost efficient than the diamond paste with normal concentration. The concentration can at any time easily be reduced by delution.

Only high quality diamond grit is used for our diamond polishing paste. The plastic syringe allows fine dosing without any difficulty.

Art. No.	Size $\mu$	Gram	Price €
PH0005x	0,25	5	39,00
PH0105x	1		39,00
PH0305x	3		39,00
PH0505x	5		39,00
PH0705x	7		39,00
PH1505x	15		39,00
PH2005x	20		39,00
PH3005x	30		39,00
PH5005x	50		39,00
PH0010x	0,25		10
PH0110x	1	56,00	
PH0310x	3	56,00	
PH0510x	5	56,00	
PH0710x	7	56,00	
PH1510x	15	56,00	
PH2010x	20	56,00	
PH3010x	30	56,00	
PH5010x	50	56,00	
PH0020x	0,25	20	
PH0120x	1		91,00
PH0320x	3		91,00
PH0520x	5		91,00
PH0720x	7		91,00
PH1520x	15		91,00
PH2020x	20		91,00
PH3020x	30		91,00
PH5020x	50		91,00

Please indicate:  
(x) A=alcohol/water soluble, or O=oil soluble

**Since 90 Years Production of Diamond Tools**



**KRAUS & WINTER SARENWEG 108-110 22397 HAMBURG GERMANY**  
Tel. +49 (0)40 525917-20 Fax +49 (0)40 525917-38

Internet: [www.kraus-und-winter.de](http://www.kraus-und-winter.de) E-Mail: [info@kraus-und-winter.de](mailto:info@kraus-und-winter.de)  
Internet: [www.kraus-und-winter.com](http://www.kraus-und-winter.com) E-Mail: [info@kraus-und-winter.com](mailto:info@kraus-und-winter.com)

