

GRINDING MACHINES



Kaindl®
SCHLEIFTECHNIK

MADE IN GERMANY



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06



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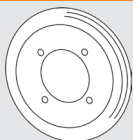
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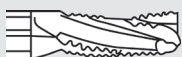
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UNIVERSAL

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FROM THE EMERY FILE ...

... TO THE CNC-GRINDING MACHINE

It all started at KAINDL with the production of simple emery files in the private garage of Reinhold Reiling, who would later found the company. In the early days he only supplied the jewellery and watch industry based in Pforzheim.

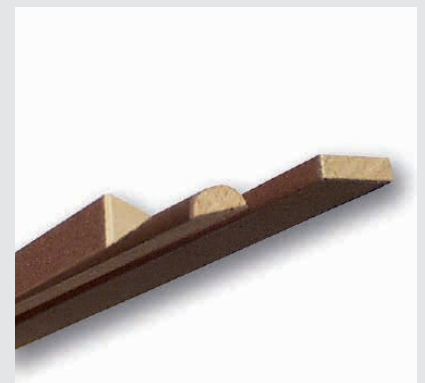
After the company was founded in 1972 and his brother Karl Reiling joined, we invented the first usable grinding attachment for drills, the „uni-grinder“. Extremely successful marketing of this tool at trade fairs also presented an opportunity for further dialogue with users.

We continually refined and improved our grinding tools by tackling problems systematically.

The first step had been taken to creating our first, simple tool grinding devices. These devices were rapidly honed and finally fitted with their own motor. KAINDL's first drill bit grinder, BSG 20, was complete.

40 years after we were founded, we now offer more than ten different grinding machines and a wealth of innovative tools.

Take a look for yourself on www.kaindl.de, Facebook or YouTube.





KAINDL TODAY...

...AND TOMORROW



We currently employ 49 staff at our Königsbach-Stein plant. Our tools and machines are available in over 30 countries. You can find Kaindl products at all leading technical trade fairs in Germany and abroad.

Visit our homepage for
an up-to-date overview:
www.kaindl.de/de/messen-exhibitions



The production plants in Königsbach-Stein were last extended by 700m² in 2008. The buildings were fully modernised in 2012. Our focus here was on sustainability and energy efficiency.

As part of our extensive energy-saving measures, for example the complete lighting system in all our operational premises has been switched to state-of-the-art LED lights. Our efforts have resulted in an energy saving of 18,000 kWh per year.

Since the installation of two photovoltaic plants, they have produced more energy than we use. Kaindl's production and administration are therefore both CO₂-neutral.



Kaindl®
SCHLEIFTECHNIK



Introductory video:

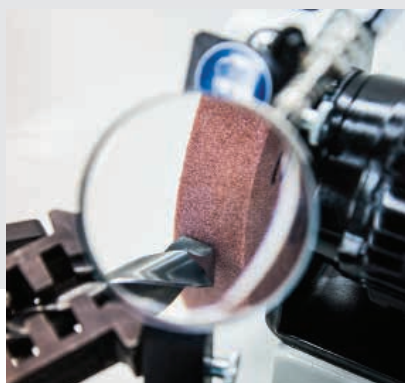
DRILL GRINDING MACHINE BSG 20/2

ITEM NO. 17651

Precise, simple, solid

Our entry-level model for simply resharpening of twist drills from Ø 2 – 20 mm.

- ✓ ensures highest cutting edge symmetry
- ✓ quick and easy handling
- ✓ sharpens twist drills from Ø 2 – 20 mm
- ✓ Special drills: step drills, sheet metal- and wood drills
- ✓ compact construction

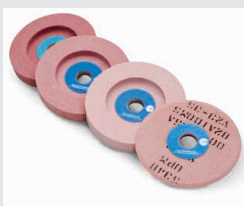


Technical data

Clamping range:	Ø 2 to 20 mm
Corundum wheel:	125 x 20 x 20 x 75 mm
Motor:	230 V, 50 – 60 Hz, 120 W with motor feed (also available 110 V, 50 Hz)
Weight net:	13,5 kg
Revolutions:	2840 rpm ⁻¹
Clearance- and top angle:	to be adjusted stepless
Dim (L x W x H):	290 x 220 x 250 mm

Basic version

- Clamping prism Ø 2 to 20 mm
- Corundum wheel grit 80
- Optic with flexible goose neck
- Grinding wheel dresser with diamond
- Adjustable motor



Corundum grinding wheel

Grit 60	125 x 20 x 20 mm (coarse)
Grit 80	125 x 20 x 20 mm (standard)
Grit 180	125 x 20 x 20 mm (fine)
Grit 100	125 x 05 x 20 mm (HSS-wood drills)
Grit 100	125 x 10 x 20 mm

Item No. 10535

Item No. 10529

Item No. 10530

Item No. 10532

Item No. 10533



Diamond grinding wheel

wide, complete with support 125 mm, covered on 3 sides, D76/3 for carbide drills

Item No. 14580

thin, complete with support 125 mm, covered on 3 sides, D76/3 for carbide drills

Item No. 14581

CBN-grinding wheel B76 (standard)

Item No. 16496

CBN-grinding wheel B126

Item No. 17073



Grinding wheel support

suitable for all grinding wheels

Item No. 15422



Morse taper sleeve

for short MK1 drills
for short MK2 drills

Item No. 10542

Item No. 10543



Magnetic depth stop for cutter

Item No. 10528



Support sleeve for short welding point bits

5 and 6 mm
8 and 10 mm

Item No. 10538

Item No. 10975



Carbide drills



Cutters



Step drills



Flat drill



Center tip for wood



Center tip for sheet metal



Cast iron shape



Cross facet ground



Left hand drill



Cutting edge correction



Web thinning



Introductory video:

DRILL GRINDING MACHINE BSM 20

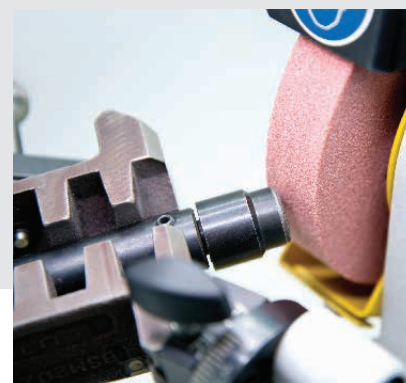
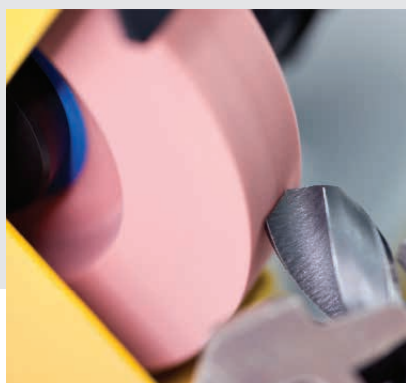
ITEM NO. 17776

Quick, easy handling

Our model for success for the upper claim for twist drills from Ø 2 – 20 mm. Approved patented prism reversing systems ensures top level cutting edge symmetry!

- ✓ simplest handling
- ✓ sharpens twist drills in the range of Ø 2 – 20 mm
- ✓ clearance- and top angle stepless adjustable

- ✓ web thinning
- ✓ optional: countersink sharpening device SVR 20

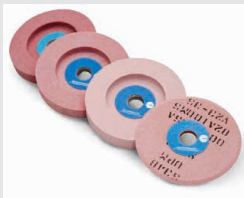


Technical data

Clamping range:	Ø 2 to 20 mm
CBN grinding wheel:	125 x 20 mm
Motor:	230 V, 50 - 60 Hz, 120 W with lateral feed (also available 110 V, 50 Hz)
Weight net:	22 kg
Revolutions:	2840 rpm ⁻¹
Clearance- and top angle:	to be adjusted stepless
Dim (L x W x H):	370 x 310 x 260 mm

Basic version

- Clamping prism Ø 2 to 20 mm
- Precision optical lens lighted
- CBN-grinding wheel B76



Corundum grinding wheel

Grit 60 - 125 x 20 x 20 mm (coarse)	Item No. 10895
Grit 80 - 125 x 20 x 20 mm (standard)	Item No. 10890
Grit 180 - 125 x 20 x 20 mm (fine)	Item No. 10891
Grit 100 - 125 x 05 x 20 mm (HSS-wood drills)	Item No. 10893
Grit 100 - 125 x 10 x 20 mm	Item No. 11103



Diamond grinding wheel

wide, complete with support 125 mm, coated on 3 sides, D76/3 for carbide drills

Item No. 14580

thin, complete with support 125 mm, coated on 3 sides, D76/3 for carbide wood drills

Item No. 14581

CBN-grinding wheel B76 (standard)

Item No. 16496

CBN-grinding wheel B126

Item No. 17073



Grinding wheel support

for all extra grinding wheels

Item No. 15422



Morse taper sleeves

for short MK 1- drills
for short MK 2- drills

Item No. 10901

Item No. 10902



Support sleeve for short welding point drills

5 and 6 mm
8 and 10 mm

Item No. 10900

Item No. 10976



Magnetic depth stop for cutters

Item No. 10889



Can for cross hole countersinks

Item No. 10881



Cam for two lip countersinks

Item No. 10606



Countersink sharpening device SVR 20

incl. collet 10 mm

Item No. 10875



Carbide drills



Cutters



Step drills



Flat drill



Center tip for wood



Center tip for sheet metal



Cast iron shape



Cross facet ground



Left hand drill



Cutting edge correction



Web thinning



Introductory video:



DRILL GRINDING MACHINE BSG 60

ITEM NO. 11323

The professional machine – Basic version

The professional machine for supreme claims. For drills from \varnothing 3 – 60 mm. Precise, no servicing, 4 point linear guideways.

Spindle system with adjustable needle bearings. Prism quick action system.

- ✓ clamping range from \varnothing 3 – 40 mm
- ✓ range extension to 60 mm by extra prism
- ✓ clearance- and top angle to be adjusted stepless

- ✓ patented prism reversing system
- ✓ web thinning
- ✓ optional: countersink-and cutter grinding adaptor SZVR (see page. 20)



Technical data

Clamping range: Ø 3 to 60 mm
 Corundum grinding wheel: 200 x 40 x 51 mm
 Motor: 230 V, 50 Hz, 0,37 kW
 (also available in 400 V, 110 V, 60 Hz)

Revolutions: 2800 rpm⁻¹
 Weight net: 57 kg
 Clearance- and top angle: to be adjusted stepless
 Dim (L x W x H): 570 x 330 x 520 mm

Basic version

- Prism from Ø 3 to 40 mm
- Corundum grinding wheel grit 60
- Precision optical lens lighted
- Grinding wheel dresser with rotating diamond



Carbide drills



Cutters



Step drills



Flat drill



Center tip for wood



Center tip for sheet metal



Cast iron shape



Cross facet ground



Left hand drill



Cutting edge correction



Web thinning



Extra prism

clamping range Ø 40 - 60 mm

Item No. 10602



Diamond grinding wheel

Ø 200 mm incl. support

Item No. 10627

CBN-grinding wheel

Ø 200 mm incl. support

Item No. 17480



Corundum grinding wheel

	K46	K60	K100	K180
200x40x51	Item No. 10612	Item No. 10613	Item No. 10614	Item No. 10615
200x20x51		Item No. 10687	Item No. 10688	Item No. 10689
200x 8x51		Item No. 10691	Item No. 10692	Item No. 10693



Countersink sharpening device SVR 31

incl. collet 10 mm

Item No. 10583



Collet set

for SVR 31 (Ø 6, 8, 12 mm)

Item No. 14348



Nut for extra collets

Item No. 10604



Grinding wheel support with cone

Item No. 10616



Introductory video:










DRILL GRINDING MACHINE BSG 60 full range equipment ITEM NO. 14369

The professional machine
in the all-around carefree package

- ✓ for twist drills to 40 mm
- ✓ countersinks up to MK3
- ✓ and end mills

Full range equipment

- Clamping prism from 3 to 40 mm
- Corundum grinding wheel grit 60
- Cutter and countersink sharpening device SZVR
- Grinding wheel dresser with rotating diamond
- Collet set for SZVR
- DVD-manual
- Crank handle
- Adaptor for dust exhaust 32 mm
- Precision optical lens lighted

	Cam for cross hole countersinks	Item No. 10605
	Cam for two lip countersinks	Item No. 10606
	Spacer for 8 mm grinding wheels	Item No. 10694
	for 20 mm grinding wheels	Item No. 10690
	Magnetic depth stop for cutters	Item No. 10621
	Cutting rosette for cutters	Item No. 10622
	Stop dog for long drills	Item No. 10623
	Morse taper sleeves for short MK-drills, MK 1 for short MK-drills, MK 2 for short MK-drills, MK 3	Item No. 14483 Item No. 14484 Item No. 14485



Introductory video:

DRILL- AND CORE DRILL GRINDING MACHINE BKS

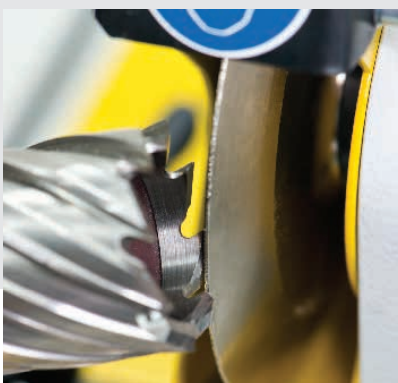
ITEM NO. 15278

All benefits united

The Kaindl BKS is the machine for quick and easy reshaping of twist- and core drills.

The BKS combines the benefits of our core drill grinding machine KBS/2 and drill grinder BSM 20.

- ✓ sharpens core drills in the range of Ø 12 – 100 mm
- ✓ core drill fixation by collet chuck system
- ✓ precise adjustment by laser device



Technical data

Clamping range drills:	Ø 2 to 20 mm
Core drills:	Ø 12 to 100 mm
Corundum grinding wheel:	125 x 20 x 20 x 75 mm
CBN & diamond wheel:	125 mm
Weight net:	43 kg
Revolutions:	2840 rpm ⁻¹
Dim (L x W x H):	500 x 450 x 310 mm
Motor:	230 V, 50 - 60 Hz, 120 W

Basic version

- Two CBN-grinding wheels for chip chamber and tooth back
- Collet clamping system incl. 19 mm collet
- Laser adjustment device
- Precision optical lens lighted
- Corundum grinding wheel grit 80
- Index plates for 4/5/8/10 teeth core drills
- Grinding wheel dresser with rotating diamond



Corundum grinding wheel

- Grit 60 - 125 x 20 x 20 mm (coarse)
- Grit 80 - 125 x 20 x 20 mm (standard)
- Grit 180 - 125 x 20 x 20 mm (fine)
- Grit 100 - 125 x 05 x 20 mm (HSS-wood drills)
- Grit 100 - 125 x 10 x 20 mm

Item No. 10895

Item No. 10890

Item No. 10891

Item No. 10893

Item No. 11103



Diamond grinding wheel

wide, complete with support 125 mm, covered on 3 sides

Item No. 14580

thin, complete with support 125 mm, covered on 3 sides, D76/3 for HM-wood drills

Item No. 14581

CBN-grinding wheel B76 (standard)

Item No. 16496

CBN-Schleifscheibe B126

Item No. 17073



Grinding wheel support

suitable for all grinding wheels









Item No. 15422



Collet set

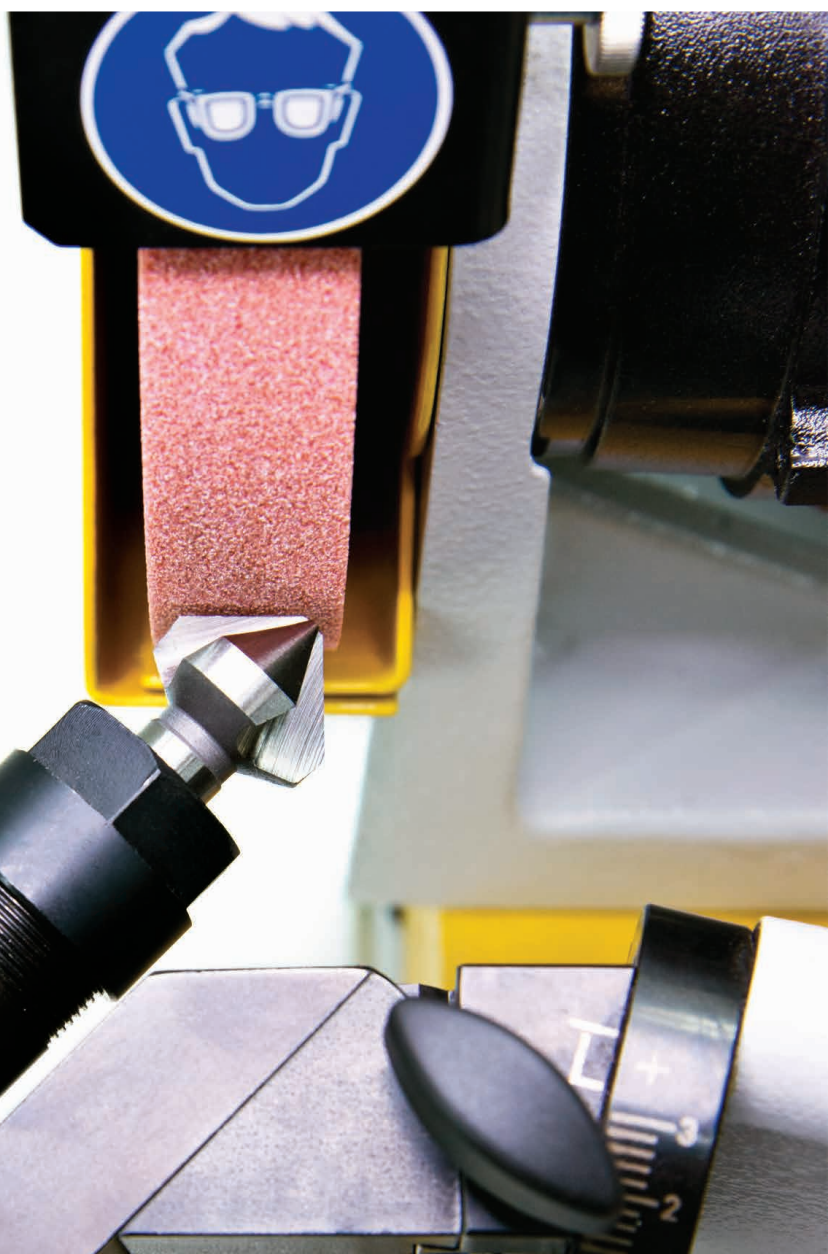
7 pieces for BKS (8/10/12/14/16/18/20 mm)

Item No. 16398

	Countersink sharpening device SVR 20	Item No. 10875
	Collet set for SVR 20 (set 6, 8, 12 mm)	Item No. 14348
	Nut for extra collets	Item No. 10880
	Morse taper sleeve for short MK 1-drills for short MK 2-drills	Item No. 10901 Item No. 10902
	Magnetic depth stop for cutters	Item No. 10889
	Cam for cross rose bits, single flute	Item No. 10881
	CBN-grinding wheel covered on 3 sides B126 with radius covered on 2 sides B126 for back of tooth	Item No. 17053 Item No. 17055
	Index plate T-6 for core drills with 6 teeth T-7 for core drills with 7 teeth T-9 for core drills with 9 teeth T-12 for core drills with 12 teeth T-14 for core drills with 14 teeth Special index plates upon request	Item No. 10981 Item No. 10982 Item No. 11009 Item No. 11012 Item No. 11063



Introductory video:



COUNTERSINK SHARPENING DEVICE SVR 20

ITEM NO. 10875

A good team with the BSM 20

Special accessory for BSM 20

For re-sharpening of countersink
and cross rose bits with cylindrical shaft

- ✓ simplest handling
- ✓ for countersinks from
Ø 6 – 20 mm
- ✓ support for BSM 20
- ✓ complete with collet
Ø 10 mm

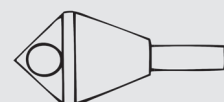


Technical data

Top angle:	90° to 120°
Countersinks with cylindrical shaft:	Ø 6 mm to 20 mm
Cross rose bits (optional):	Ø 2/5, 5/10, 10/15, 15/20 mm
Collets:	Ø 6 mm, 8 mm, 10 mm, 12 mm

Basic version

- SVR incl. 10 mm collet
- Support for BSM 20
- Cam for 3 flute countersinks



cross
rosebit 90°



Countersink
90° to 120°



Collet set
for SVR 20 (Ø 6, 8, 12 mm)

Item No. 14348



Nut for extra collets

Item No. 10880



Cam
for cross rose bits, single flute

Item No. 10881



Cam
for two flute countersinks

Item No. 10606



Introductory video:



CUTTER AND COUNTERSINK ATTACHMENT SZVR

ITEM NO. 11280

Precise re-sharpening

For re-sharpening of one-, two-, or 3 flute countersinks and resharping the faces of one to four flute cutters.

The fixation is made by a clamping head ER 32. Additionally the clamping head is equipped with a MK3 morse taper

- ✓ for 3 flute countersinks from 6 – 20 mm or morse taper up to MK3
- ✓ one to four flute cutters for re-sharpening the face of cutters up to 20 mm
- ✓ precise laser adjustment

- ✓ tool support ER 32 and morse taper support MK 3
- ✓ extendable for cross rose bits (optional)
- ✓ special forms: step drills, sheet metal- and wood drills
- ✓ solid construction

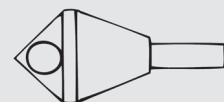


Technical data

Top angle:	60° to 120°
Countersinks with cylindrical shaft:	Ø 6 mm to 31 mm
Cross rose bits (optional):	Ø 2/5, 5/10, 10/15, 15/20 mm
Collets:	ER 32 to 20 mm
Countersinks with morse taper:	up to MK 3

Basic version

- SZVR incl. 10 mm collet
- Laser adjustment
- Morse taper MK 3
- Cam for 3 flute countersink
- Index plate for one to four flute cutters



cross
rosebit 90°



Countersink
60° bis 120°



SZVR collet set

7 pieces
Ø 6 / 8 / 12 / 14 / 16 / 18 / 20 mm

Item No. 11915



Cam

single edge for SZVR

Item No. 13510



Cam

double edge
pitch 0,5 for spot facing cutter

Item No. 13511

pitch 0,8 for spot facing cutter

Item No. 13512



Index plate

T4 + T3 for cutter (standard)

Item No. 13517

T5 for cutter

Item No. 13518

T6 for cutter

Item No. 13519



Introductory video:

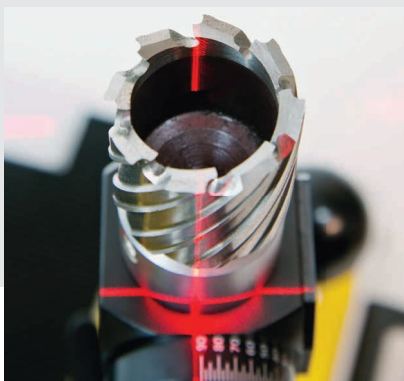
CORE DRILL GRINDING MACHINE KBS/2

ITEM NO. 15394

Professional and precise

Professional core drill grinding machine – easy, fast and precise. With laser adjustment device for exact alignment of core drills. For core drills from Ø 12 to 100 mm.

- ✓ core drill holding fixture by weldon support
- ✓ precise adjustment by laser device
- ✓ simplest handling
- ✓ stepless angle adjustment
- ✓ for core drills from Ø 12 – 100 mm with 4+8 / 5+10-teeth (special sizes upon request)

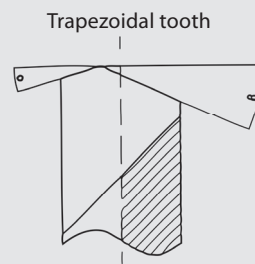
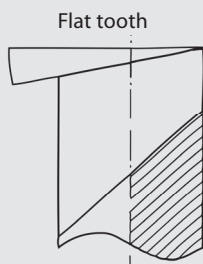


Technical data

Core drills:	Ø 12 to 100 mm
CBN-grinding wheel:	Ø 125 mm
Motor:	230 V, 50 - 60 Hz, 120 W
Weight net:	37,5 kg
Revolutions:	2840 rpm ⁻¹
Dim (L x W x H):	500 x 450 x 310 mm

Basic version

- Two CBN grinding wheels for chip chamber and back of tooth
- Precision optical lens
- Laser adjustment device
- Core drills from Ø 12 - 100 mm
- Index plate f. 4 / 5 / 8 / 10 - toothed core drills
- 19 mm weldon support



CBN-grinding wheel

covered on three sides B126 with radius

Item No. 17053

covered on two sides B126 for tooth back

Item No. 17055



Index plate

T-6 for core drills with 6 teeth
T-7 for core drills with 7 teeth
T-9 for core drills with 9 teeth
T-12 for core drills with 12-teeth
T-14 for core drills with 14 teeth

Item No. 10981

Item No. 10982

Item No. 11009

Item No. 11012

Item No. 11063

special index plates upon request



Adaptor for core drills

19 mm to 32 mm

Item No. 11302



Adaptor for core drills

with thread

Item No. 11069



Adaptor for core drills

"quick-In"

Item No. 13613



Upon request:

- Circular knives smaller than Ø 100 mm
- Meat mincer knives
- Industrial knives
- Special knives for printing houses, paper- and foil industry

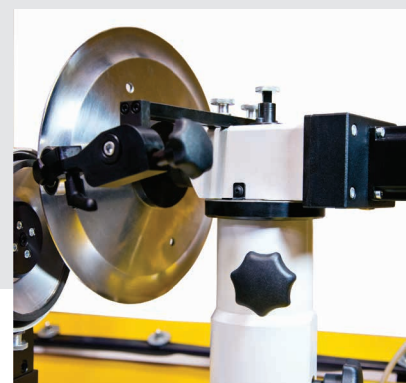
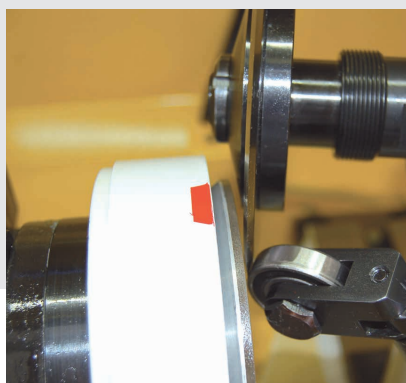
CIRCULAR KNIFE SHARPENING MACHINE MANUAL *ITEM NO. 12694*

The perfect entry

The perfect entry for professionally and easy sharpening of circular knives

- ✓ made for circular knives from Ø 100 – 350 mm
- ✓ adjustment of revolutions of the circular knife
- ✓ burr-free grinding

- ✓ feeding by lateral handwheel
- ✓ cabinet



Technical data

Motor:	230 V, 50 / 60 Hz, 0,37 kW, 2850 rpm ⁻¹
Grinding range circular knives:	from Ø 100 to Ø 350 mm
Reducer ring:	Ø 20 x 22 / 30 / 32 / 42 / 30 with 25er flat
Nominal circular knife boring:	Ø 20 mm
Weight net:	120 kg
Dim (L x W x H):	940 x 830 x 1230 mm

Basic version

- Reducer rings
- CBN grinding wheel Ø 125 mm
- from Ø 100 mm to 350 mm
- Pump cooling
- Cabinet



CBN grinding wheel

CBN B126

Item No. 11315

CBN B76

Item No. 11314



Diamond grinding wheel

D126

Item No. 11317

D76

Item No. 11316



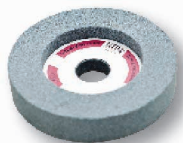
Permanent circular magnetic chuck incl. support

Item No. 15978



Grinding wheel support

Item No. 11247



Silicon carbide dresser wheel

Item No. 15857



Diamond dresser wheel

D356

Item No. 15856



Special support

Ø 40 mm for small circular knives
(special sizes upon request)

Item No. 13987



Upon request:

- Circular knives smaller than Ø 100 mm
- Meat mincer knives
- Industrial knives
- Special knives for printing houses, paper- and foil industry



Introductory video:

CIRCULAR KNIFE SHARPENING MACHINE RMS NC ITEM NO. 12695

Intuitive control

The circular knife sharpening machine RMS-NC for circular knives from Ø 100 to 400 mm. Intuitive control by touchscreen and electronic jogwheel

- ✓ made for circular knives from Ø 100 – 400 mm
- ✓ zero point offset
- ✓ input of feeding and pause steps

- ✓ stepless adjustment of revolutions of the circular knife.
- ✓ burr-free sharpening
- ✓ sparking time mode



Technical data

Grinding motor: 230 V, 50 / 60 Hz, 0,37 kW, 2850 rpm⁻¹
 Grinding range circular knives: from Ø 100 to 400 mm
 Reducer ring: Ø 20 x 22 / 30 / 32 / 42 / 30
 with 25er flat
 Weight net: 180 kg
 Dim (L x W x H): 700 x 900 x 1540 mm

Basic version

- Touchscreen-control
- CBN grinding wheel) Ø 125 mm
- Set of reducer rings
- Digital jogwheel
- Pump cooling



CBN grinding wheel

CBN B126

Item No. 11315

CBN B76

Item No. 11314



Diamond grinding wheel

D126

Item No. 11317

D76

Item No. 11316



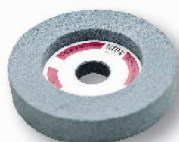
Permanent circular magnetic chuck incl. support

Item No. 15978



Grinding wheel support

Item No. 11247



Silicon carbide dresser wheel

Item No. 15857



Diamond dresser wheel

D356

Item No. 15856



Special support

Ø 40 mm for small circular knives
 (special sizes upon request)

Item No. 13987

Transport casters 1 set (4 pcs)

Item No. 15916



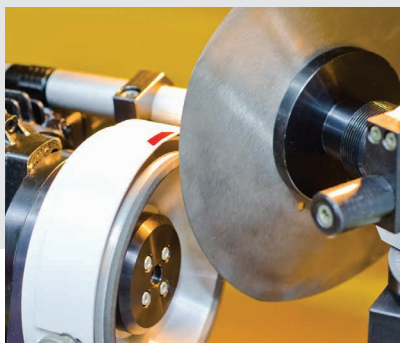
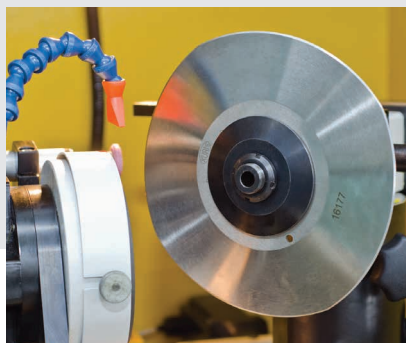
CIRCULAR KNIFE SHARPENING MACHINE RMS CNC *ITEM NO. 15858*

Programmed precision

This machine is equipped with a high performance industrial PC with toughscreen and digital jogwheel. This PC controls two linear and a rotary axis simultaneously. The geometry of grinding is flexibly programmable by G-code.

- ✓ sharpens profiled knives with a radius from 50 to 175 mm
- ✓ for circular knives from Ø 100 to 350 mm
- ✓ built on solid IPC-basis, freely programmable with G-Code

- ✓ based on the solid Linux Ubuntu software
- ✓ electronic jogwheel



Technical data

Grinding motor:	230 V, 50 / 60 Hz, 0,37 kW, 2850 rpm ⁻¹
Grinding range circular knife:	from Ø 100 to 350 mm
Grinding range profiled knife:	from 50 to 175 mm Radius
Reducer rings:	Ø 20 x 22 / 30 / 32 / 42 / 30 with 25er flat
Nominal boring of support:	Ø 20 mm
Weight net:	225 kg
Weight control unit:	37 kg
Dim (L x W x H):	900 x 700 x 1540 mm

Basic version

- Touchscreen-control
- CBN-grinding wheel
- Pump cooling
- USB-stick
- Electronic jogwheel
- freely programmable with G-code
- Grinding wheel dresser

	CBN grinding wheel	
	CBN B126	Item No. 11315
	CBN B76	Item No. 11314
	Diamond grinding wheel	
	D126	Item No. 11317
	D76	Item No. 11316
	Permanent circular magnetic chuck incl. support	Item No. 15978
	Grinding wheel support	Item No. 11247
	Silicon carbide dresser wheel	Item No. 15857
	Diamond dresser wheel	Item No. 15856
	D356	
	Special support	Item No. 13987
	Ø 40 mm for small circular knives (special sizes upon request)	
	Transport casters 1 set	Item No. 15916
	(4 pcs)	



MANUAL SAW BLADE SHARPENING MACHINE SSG 600-M-LF

ITEM NO. 11324

Perfect sharpening

The manual saw blade sharpening machine with linear feed. Perfect sharpening combined with simplest handling. For saw blades from Ø 100 to 600 mm.

- ✓ table version
- ✓ from Ø 100 mm to 600 mm
- ✓ precise re-sharpening of face of tooth and tooth back

suited for:

- ✓ alternating teeth
- ✓ flat teeth
- ✓ step teeth
- ✓ trapezoid teeth

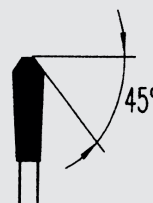
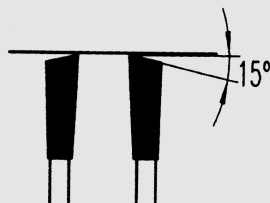
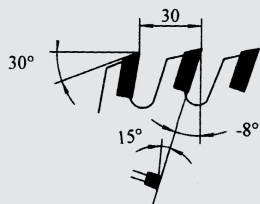


Technical data

Motor:	230 V, 50 / 60 Hz, 0,18 kW, 2850 rpm ⁻¹
Diameter of saw blades:	Ø 100 mm to Ø 600 mm
Reducer rings for saw blades:	Ø 25 / 30 / 32 / 35 / 40 / 50 / 70 / 75 mm
nominal saw blade boring:	Ø 20mm
Weight net.:	50 kg
Dim (L x W x H):	600 x 500 x 400 mm

Basic version

- Diamond grinding wheel Ø 150 mm
- Table machine
- Reducer rings



Diamond grinding wheel

150 x 5 x 1,5 x 20 mm, D64 standard

Item No. 10774

150 x 16 x 5 x 3 x 20 mm, D76 thin

Item No. 10973



Corundum grinding wheel

150 x 13 x 20 mm, K46, coarse

Item No. 10775

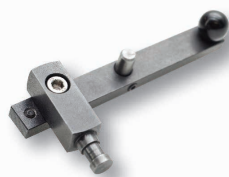
150 x 13 x 20 mm, K100, fine

Item No. 10776



Grinding wheel support

Item No. 10796



Diamond wheel dresser

for corundum wheel

Item No. 10804



Laser adjustment device

for exact adjustment of saw blade

Item No. 15859

Retrofit kit for automatik DC

Item No. 10773



Introductory video:

SEMI AUTOMATIC SAW BLADE SHARPENING MACHINE SSG 600-A-DC

ITEM NO. 11105

Digital assistance

This saw blade sharpening machine has a digital control with self explaining display. Perfect grinding combined with simplest handling.

- ✓ electropneumatic control
- ✓ alternating tooth transport
- ✓ automatic breakpoint
- ✓ from 100 mm to 600 mm
- ✓ Maschine diagnostic
- ✓ input of no. of teeth

suited for:

- ✓ alternating teeth
- ✓ flat teeth
- ✓ step teeth
- ✓ trapezoid teeth



Technical data

Motor:	230 V, 50 / 60 Hz, 0,18 kW, 2850 rpm ⁻¹
Control electric:	230 V, 50 / 60 Hz
Control pneumatic:	5 bar
Diameter of saw blades:	Ø 100 mm to Ø 600 mm
Reducer rings:	Ø 25 / 30 / 32 / 35 / 40 / 50 / 70 / 75 mm
Nominal saw blade boring:	Ø 20 mm
Weight net.:	115 kg
Dim (L x W x H):	940 x 830 x 1230 mm

Basic version

- digital control
- Diamond grinding wheel Ø 150 mm
- cabinet



Diamond grinding wheel

150 x 5 x 1,5 x 20 mm, D64 standard

Item No. 10774

150 x 16 x 5 x 3 x 20 mm, D76 thin

Item No. 10973



Corundum grinding wheel

150 x 13 x 20 mm, K46, coarse

Item No. 10775

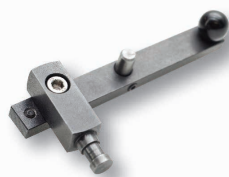
150 x 13 x 20 mm, K100, fine

Item No. 10776



Grinding wheel support

Item No. 10796



Diamond wheel dresser

for corundum wheel

Item No. 10804



Laser adjustment device

for exact adjustment of saw blade

Item No. 15859

Universal Pump cooling SSG 600-A-DC

Item No. 14482



ELECTRODE SHARPENING MACHINE WIG4

ITEM NO. 10728

Precise results

Sharpens TIG electrodes precise and simple in longitudinal shape. Provides repeatable welding results on automatic systems, respectively robot welding.

- ✓ with automatic drive and feeding
- ✓ functional handle
- ✓ centric tip to central axis in longitudinal direction

- ✓ stable arc
- ✓ for Ø 1,0 / 1,6 / 2,0 / 2,4 / 3,2 and 4,0 mm
- ✓ angle setting from 15° bis 180°



Technical data

Diamond grinding wheel:	Ø 125 mm
Grinding motor:	230 V, 50 Hz, 0,05 kW, 2840 rpm ⁻¹
Motor for electrode drive:	230 V, 50 Hz, 375 rpm ⁻¹
Weight net:	6,8 kg
Angle setting:	15° / 30° / 60° / 90° / 120° / 150° / 180°
Diameter of electrodes:	1,0 / 1,6 / 2,0 / 2,4 / 3,2 / 4,0 mm
Dim (L x W x H):	260 x 300 x 230 mm

Basic version

- Complete with diamond grinding wheel
- Adaptor or dust exhaust
- Ø 1,0 / 1,6 / 2,0 / 2,4 / 3,2 / 4,0 mm
- Special sizes upon request



Diamond grinding wheel

D107 incl. support (standard)

Item No. 10745

D76 incl. support (medium)

Item No. 10744

D46 incl. support (fine)

Item No. 10743



Cleaning stone

for diamond grinding wheel

Item No. 15855



Set of bushes

for short electrodes (6 pcs)
Ø 1,0 / 1,6 / 2,0 / 2,4 / 3,2 / 4,0 mm

Item No. 10729

further special diameters upon request



Guiding bloc for electrodes

Item No. 16592



Vakuum for dust exhaust

filter class M (BG approval)

Item No. 10768

spare dust bags (5 pcs)

Item No. 15701



UNIVERSAL TOOL GRINDING MACHINE FSM-CNC

ITEM NO. 16636

Controllable versatility

This machine is equipped with a high performance industrial PC with touchscreen and digital jogwheel. This PC controls two linear and a rotary axis simultaneously. The geometry of grinding is flexibly programmable by G-code.

- ✓ SK 40 support for ER collets
- ✓ for cutters up to Ø 150 mm, cutter grinding of spiral and face as well as chip space
- ✓ built on solid IPC-basis, freely programmable by G-code.

- ✓ based on the solid Linux Ubuntu software
- ✓ electronic jogwheel



Technical data

Grinding motor:	230 V, 50 / 60 Hz, 0,37 kW, 2850 rpm ⁻¹
Grinding range cutter:	max. Ø 150 mm
Support of rotary axis:	SK 40
CNC-axis:	4 ; X Y Z A
Weight net::	300 kg
Weight control unit:	37 kg
Dim (L x W x H):	1200 x 900 x 1780 mm

Basic version

- Touchscreen-control
- CBN grinding wheel Ø 125 mm
- Grinding wheel dresser
- electronic jogwheel
- Pump cooling
- ready made CNC-programms for cutter grinding on spiral, face as well as chip space



CBN grinding wheel

CBN B126

Item No. 17304

CBN B76

Item No. 17303



Diamond grinding wheel

D126

Item No. 17306

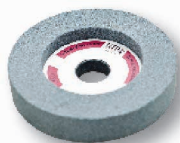
D76

Item No. 17305



Grinding wheel support

Item No. 15422



Silicon carbide dresser wheel

Item No. 15857



Diamond dresser wheel

D356

Item No. 15856

Transport casters 1 set (4 pcs)

Item No. 15916



Introductory video:

LOOKING THROUGH GRINDING MACHINE SM 180

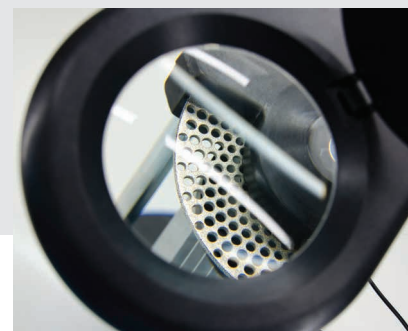
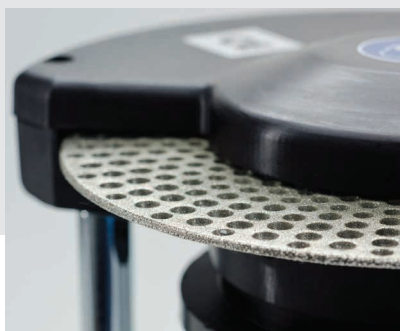
ITEM NO. 10944

Even for hardest materials

This machine gives you free sight and control of your workpiece. Equipped with a diamond wheel coated on both sides.

- ✓ boring holes in the looking through grinding wheel cool the workpiece permanently
- ✓ thin grinding wheel
- ✓ looking-through diamond grinding wheel coated on 3 sides

- ✓ high-quality diamond coating ensures long durability
- ✓ for sure every material can be worked on
- ✓ simplest handling
- ✓ low heat generation



Technical data

Diamond grinding wheel:	Ø 180 mm
Motor:	230 V, 50 to 60 Hz, 0,15 kW
Revolutions:	1420 rpm ⁻¹
Weight net:	7,3 kg
Abrasive layer:	diamond
Adaptor for dust exhaust:	Ø 35 mm
Dim (L x W x H):	250 x 250 x 310 mm

Basic version

- Diamond layer coated on both sides of grinding wheel ø 180 mm
- Adaptor for dust exhaust
- Low revolution motor



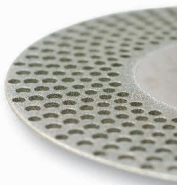
Precision optical lens lighted

Item No. 10945



Grinding wheel support

Item No. 10946



Diamond grinding wheel

coarse (standard)

Item No. 10947

medium

Item No. 10948

fine

Item No. 10949



Workpiece support with angle adjustment

Item No. 17358



Introductory video:

TOOL SHARPENING CENTER SZ INCL. DRILL GRINDING MACHINE BSM 20

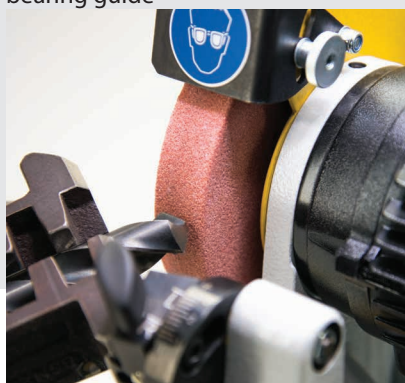
ITEM NO. 11333

Universally usable

Compact drill- and universal sharpening machine with adjustable permanent magnetic clamping table. The sharpening table is equipped with a precision recirculating ball bearing guide

- ✓ universally usable
- ✓ precise clamping and grinding of the workpiece
- ✓ stepless adjustable grinding table with permanent magnet

- ✓ travel range of grinding table 300 mm
- ✓ sharpens twist drills from Ø 2 - 20 mm



Technical data

Drill grinding machine

Clamping range:	Ø 2 to 20 mm
Motor:	230 V, 50 / 60 Hz, 0,12 kW,
Revolutions:	2840 rpm ⁻¹
Clearance- and top angle:	stepless adjustable
Grinding wheel:	125 x 20 x 20 x 75 mm
Dim (L x W x H):	500 x 420 x 310 mm

Sharpening table

Travel range:	300 mm
Table size:	170 x 100 mm
Swivelling:	stepless positive: 90°, negativ: 10°
Grinding wheel:	125 x 40 x 20 mm
Weight:	40 kg

Basic version

- Two corundum grinding wheels
- Diamond cup-wheel
- Grinding table with permanent magnet
- incl. drill grinding machine BSM 20
- Precision optical lens lighted
- Grinding wheel dresser with rotating diamond dresser



Corundum grinding wheel

- Grit 60 - 125 x 20 x 20 mm (coarse)
- Grit 80 - 125 x 20 x 20 mm (standard)
- Grit 180 - 125 x 20 x 20 mm (fine)
- Grit 100 - 125 x 05 x 20 mm (HSS-wood drills)
- Grit 100 - 125 x 10 x 20 mm

- Item No. 10895
- Item No. 10890
- Item No. 10891
- Item No. 10893
- Item No. 11103



Corundum cup-wheel

- Grit 60 - 125 x 40 x 20 mm (SZ standard)
- Grit 80 - 125 x 40 x 20 mm
- Grit 100 - 125 x 40 x 20 mm








- Item No. 10896
- Item No. 10897
- Item No. 10898



Grinding wheel support

suitable for all grinding wheels

- Item No. 15422

	<p>Diamond grinding wheel wide, covered on 3 sides D76/3 125 mm (BSM for carbide drills)</p> <p>thin, covered on 2 sides D107/2 125 mm (BSM for carbide wood drills)</p> <p>CBN-grinding wheel B76 (standard) CBN-grinding wheel B126</p>	<p>Item No. 14580</p> <p>Item No. 14581</p> <p>Item No. 16496 Item No. 17073</p>
	<p>Diamond cup-wheel D126</p> <p>D76</p>	<p>Item No. 11223</p> <p>Item No. 10887</p>
	<p>Magnetic depth stop for cutters</p>	<p>Item No. 10889</p>
	<p>Special clamping device (SZ) for turnover plates</p>	<p>Item No. 10904</p>
	<p>Special clamping device (SZ) 120 mm for small planer knives</p>	<p>Item No. 11224</p>
	<p>Special clamping prism (SZ) for chisels, piercing punches and many others</p>	<p>Item No. 10906</p>
	<p>Countersink sharpening device SVR 20 incl. 10 mm collet</p>	<p>Item No. 10875</p>



Collet set
for SVR 20 (Ø 6, 8, 12 mm)

Item No. 14348



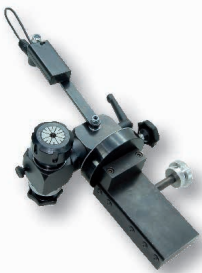
Collet nut for extra collets

Item No. 10880



Special strong triangular permanent magnet
for carbide

Item No. 11113



Adaptor for profiled finger cutters
with height adjustment
incl. collet 10 mm, ER32-support and
cross line laser adjustment device

Item No. 16868



Vakuum for dust exhaust
filter class M (BG approval)

spare dust bags (5 pcs)

Item No. 10768

Item No. 15701

FURTHER INFORMATION OF THE KAINLD WORLD



DIY catalogue



Internet presence



YouTube video-channel



facebook

www.kaindl.de

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