Maximum operating speed: 40 m/s. Not suitable for wet grinding.

in stackable individual packaging



DRION[®] Bench grinder wheels

Ceramic bond, type 1

Application:

For machining hardened high-alloy and low-alloy steels and for regrinding HSS tools.

Advantage:

- smooth running
- includes set of reducing rings



Type 1



Notes:

Form: 1

Technical data:

Ident. No. 051



Example application

High-alloy steel hardened Low-alloy steel hardened HS3		rdened alloy steel,	High-alloy steel, hardened Low-alloy steel, hardened HSS		High-alloy steel, hardened Low-alloy steel, hardened HSS		Cast metal Carbide		Non-alloy and low-alloy steel, unhardened		Non-alloy and low-alloy steel, unhardened		Cast metal Carbide			
Ma	terial of abra	sive medium		White fused alu- minium oxide		White fused alu- minium oxide		White fused alu- minium oxide		Green silicon carbide		Normal orundum		Normal orundum	Green silicon carbide	
	Surf	ace structure	I N	Medium		1edium		Fine		Fine		Rough	N N	1edium	Me	edium
		Grid size		46		60		80	80		36		60		60	
Schei- ben-Ø D (mm)	Schei- bendicke T (mm)	Bohrungs-Ø H (mm)	6949 Ident.		6949 Ident.		6949 Ident.		6949 Ident.		6949 Ident.		6949 Ident.		69490 Ident.	
125	20	32	001	•	003	•	005	•	015	•	-	-	-	-	-	-
150	20	32	-	-	061	•	065	•	071	•	051	•	055	•	-	-
175	20	32	-	-	111	•	-	-	-	-	101	•	105	•	115	•
200	20	32	201	•	-	-	-	-	-	-	-	-	-	-	-	-
175	25	51	-	-	151	•	155	•	161	•	141	•	145	•	-	-
200	25	51	-	-	-	-	251	•	255	•	241	•	245	•	-	-
200	32	32	263	•	265	•	267	•	269	•	259	•	261	•	-	-
200	32	51	-	-	281	•	285	•	291	•	271	•	275	•	-	-
300	40	76	-	-	355	•	-	-	360	•	340	•	345	•	-	-

Prod. Gr. 6LO

DRION[®] Surface grinding wheels (ISO 525) **Ceramic bond**



Advantage:

- Low wear
- Cool grinding
- Smooth cutting



Ident. No. 616 Sintered corundum and white co-rundum, shape 1



Notes:

Ensure that an adequate coolant supply is available. Discs are not suitable for dry sanding. Recommended operating speed is: 20-30 m/s.



Ident. No. 760-770 White corundum, shape 7



Type 1

Source: Hahn+Kolb Werkzeuge GmbH Technical data subject to change. Availability subject to country specific rules and regulations





Precision grinding and dressing \ Grinding discs and cup grinding discs

		Non-alloy and low-alloy steel, hardened Non-alloy and low-alloy steel, unhardened High-alloy steel, hardened High-alloy steel, unhardened	High-alloy steel, hardened HSS Stainless steel	Non-alloy and low-alloy steel, hardened Non-alloy and low-alloy steel, unhardened High-alloy steel, hardened High-alloy steel, unhardened				
			Materi	al of abrasive medium	White fused alu- minium oxide	Sintered aluminium oxide and white fused aluminium oxide	White fused alu- minium oxide	
				Surface structure	Medium	Medium	Fine	
				Grid size	46	60	80	
Form	Scheiben-Ø D (mm)	Scheibendicke T (mm)	Bohrungs-Ø H (mm)	Cut-out clearance	69496 Ident. No.	69496 Ident. No.	69496 Ident. No.	
1	200	20	51	-	611 •	616 •	621 •	
1	200	25	32	-	641 •	646 •	651 •	
1	225	25	51	-	671 •		681 •	
1	250	25	76.2	-	700 •	705 •	710 •	
1	300	30	76.2	-	730 •	735 •	740 •	
7	300	50	76.2	155 x 10 x 10 mm	760 •		770 •	
1	350	50	127	-	800 •	805 0	810 •	

Prod. Gr. 6LO

Cup grinding wheels (ISO 525) DRION Ceramic bond, type 6



Application:

For regrinding metal cutting tools such as drills, milling cutters etc. on tool and pattern making machines.

Execution:

- Ident. No. 005-035:
- HSS and special steels = grain 60-80
- Low-alloy steels = grain 46-60

Advantage:

- cool grinding
- Iong service life
- superior surface finish

Notes:

Not suitable for wet grinding.



Ident. No. 055 Green silicon carbide



Type 6

	Material to be processed								Carbide		
	Material of abrasive medium							White fused alu- minium oxide		Green silicon carbide	
Grid size	Surface	Scheiben-Ø D	Scheibendicke T	Bohrungs-Ø H	Wanddicke W	Bodenstärke E	69472		6947		
	structure	(mm)	(mm)	(mm)	(mm)	(mm)	Ident.	No.	Ident.	No.	
60	Medium	80	40	20	10	10	005	•	-	-	
60	Medium	100	50	20	10	10	025	•		-	
80	Fine	100	50	20	10	10	035	•	055	•	

Prod. Gr. 6LO

ATORN[®] Diamond and CBN (cubic boron nitride) cup wheels Grain 126, for use on all standard grinding machines

Application:

For grinding cemented carbide and Cermet as well as materials made of stone, glass, porcelain, graphite, GFP, etc.

Execution:

1860

- With vibration-reducing body
- In synthetic resin bonding





Type 11V9



Ident. No. 020 Type 12A2



Advantage:

Wet grinding is always preferable with regard to tool life, heat generation and performance.

Maximum service life with consistently high removal rate



Ident. No. 030

Type 12V2



Ident. No. 040 Type 12V9



Source: Hahn+Kolb Werkzeuge GmbH Technical data subject to change. Availability subject to country specific rules and regulations

www.iconridge.com

						Material o	f abrasive medium		
Form	Washer Ø (mm)	Bore Ø (mm)	Washer thick-	Wall thickness	Lining thickness	Min./max.	Min./max.	60197	
			ness (mm)	(mm)	(mm)	recommended	recommended	Ident. No.	
						peripheral sur-	peripheral sur-		
						face speed for	face speed for		
						dry sanding	wet sanding		
11V9	100	20	35	10	3	15-20 m/s	25-30 m/s	010 •	
12A2	100	20	26	10	4	15-20 m/s	25-30 m/s	020	
12V2	100	20	20	10	2	15-20 m/s	25-30 m/s	030	
12V9	100	20	20	10	3	15-20 m/s	25-30 m/s	040 •	

Prod. Gr. 696

DIAPOINT single-diamond dressing tools

For dressing ceramic sanding discs

Application:

Suitable for all machines with corresponding holder. Chucking: Dressing tool must be tilted from 5° to 15° towards centre of sanding disc

We recommend that the selection of the correct diamond weight for single-diamond dressing tools in combination with the sanding disc to be dressed is carried out according to the following graphic.

Execution:

 Universal, traditional dressing tool with a single diamond with protruding working tip

Notes:

When ordering single-diamond dressing tools with cylindrical shaft, please specify the dimension and

length of the shaft.

Holder for manual dressing of grinding wheels, see no. 61220.

If the sharpness decreases, rotate the dressing tool by approx. 60° around its own axis. Do this in good time: the blunt surface should be no greater than approx. 0.5 mm²

Technical data:

- Min./max. side feed per revolution: 0.05-0.15 m/s
- Min./max supply per throughput: 0.01-0.03 mm
- Number of pieces per packet: 1 PCS



No. 61124 050

€ 300 280
260
240
180
$0 \times N \times 0$
0 100 200 300 400 500 600 700 800 900 1000 1100 12
2 n

	Shank style			Mo	rse taper	Morse taper		Mo	rse taper	C)	lindrical	Cy	lindrical	
	Morse taper size	MK 0		MK 0		MK 1		MK 1						
	Natural tip quality	3			2		3		2		3		2	
DIN	Weight of diamond	61124		6113	61135		61124		61135		4	61135		
	(carat)	Ident. No.		Ident.	Ident. No.		Ident. No.		Ident. No.		Ident. No.		Ident. No.	
228	0.5	050	•	050	•	350	•	350	•	-	-	-	-	
228	0.7	070	0	070	•	-	-	370	•	-	-	-	-	
228	1.0	100	0	100	0	400	•	-	-	-	-	-	-	
228	0.4	-	-	040	0	-	-	-	-	-	-	-	-	
-	0.5	-	-	-	-	-	-	-	-	650	0	650	0	
-	0.4	-	-	-	-	-	-	-	-	-	-	640	0	
-	0.7	-	-	-	-	-	-	-	-	-	-	670	0	
-	0.7	-	-	- 1	-	-	-	-	-	-	-	0/0	0	

Notes:

Technical data:

Prod. Gr. 610

DIAROND multi-grain dressing tools

For dressing straight ceramic-bonded sanding discs

Application:

For all straight ceramic sanding discs.

Chucking: Dressing tool is clamped vertical to the spindle axis

Execution:

- Standard dressing tool for machines with a suitable mounting
- · With cylindrical, sintered diamond insert with many working tips

Advantage:

- Maintenance-free over the entire service life
- Robust and hard-wearing where handled incorrectly
- Can be used up fully
- · For use with higher dressing traverse speed than single diamonds



Ident No 010

Ident. No. 015

Ident. No. 020



Ident. No. 010

Design MK0

Not suitable for profile sanding discs.

dressing tool bond R is available on request

Number of pieces per packet: 1 PCS

Min./max supply per throughput: 0.01-0.03 mm

Min./max. side feed per revolution: 0.3-0.5 m/s

effected at an increased feed rate



When using for the first timeit is recommended that several strokes are

For particularly aggressive, hard abrasive compounds, a more hard-wearing



Ident. No. 020 Cylindrical design

Ident. No. 015, 025 Design MK1



Accessories for		61200 015	61200 025
61220 Holder for dressing	Ident, No.	010	010
diamonds Type A, for manual use	ident. No.	•	•

www.iconridge.com



Sanding disc dressing tool made from steel

For dressing straight sanding discs

Execution:

- Sharpening roller consists of specially hardened discs made of Swedish steel that are joined together and equipped with U-shaped teeth
- Sharpening roller runs on hardened, lubricated shaft

Advantage:

• The teeth retain their sharpness and hardness until the wheel is completely worn down.

Technical data:

Number of pieces per packet: 1 PCS





								Replacement wheels for steel sanding disc dressing tools		
Suitable for min./max. sanding disc Ø	Suitable for min./max. sanding disc width	Handle length (mm)	Roll width (mm)	Roll Ø (mm)				5 No.		
125-250 mm	0-32 mm	285	12	35	005	•	005	•		
300-500 mm	40-65 mm	435	24	55	010	•	010	•		
300-500 mm	70-100 mm	435	51	55	020	•	020	•		

Prod. Gr. 694

Sanding disc dressing tool

For dressing grinding wheels

Execution:

- The dressing tool consists of a round steel handle and a replaceable ceramic dressing cup.
- Dressing cup version: rotating, with ball bearings, conical, coarse grain
- Ident. No. 020-030: Dressing cup with sheet steel jacket

Delivery: Ident. No. 030: Dressing cup attachment: Cone with bolt



							ng disc ing tool	dres for sa	lacement ssing cups anding disc ssing tool
Size	Handle length (mm)	Handle Ø (mm)	Fastening thread	Roll Ø (mm)	Number of pieces per packet (PCS)			61956 Ident. No.	
00	100	22	M6	35	1	010	•	010	•
0	230	30	M10	45	1	020	•	020	•
1	230	30	-	55	1	030	•	030	•

Prod. Gr. 694

Diamond saver

Coarse grain, hard silicon carbide dressing rod in plastic sleeve

Application:	As a co	ost-effective alternative to dressing diamonds.		
Outer Ø (mm)		25		
Length (mm)		370		
Material of the grip handle		Wood		
61950	Ident. No.	020		
01950	ident. No.	•		

Prod. Gr. 610

1862

Dressing stone for diamond and boron nitride sanding discs T<u>R(D)</u> Type 9010, grain size 180







DRION[®] Diamond hand lapping tools

For cemented carbide cutters

Application:

Execution:

cutting operations

For the maintenance and re-machining of cemented carbide cutting edges.

• Ident. No. 010-030: Highly wear-resistant and

• Ident. No. 040: Primarily designed for precision

suitable for robust applications

Good grip

Advantage:

- High dimensional stability
- Long service life
- Use of the hand lapping tool increases the service life of the cemented carbide cutting edges







		Binding		Metal		Plastic	
	ting	andard cut- and milling tools	and	fine boring precision ning tools			
L2 x W	L (mm)			0	6040		
			Ident.	No.	Ident.	No.	
30 x 8 mm	140	64	010	•	-	-	
40 x 12 mm	150	107	020	•	-	-	
40 x 12 mm	150	46	030	•	-	-	
30 x 9 mm	140	91	-	-	040	•	

Prod. Gr. 601





