Abrasive & Polishing Sticks, Grinding Wheels

Mounted Points....2
Diamond Grinding Points....7
Grinding Wheels....15
Grinding Pins....19
Abrasive Caps, Belts, Discs & Carriers....24

26/05/2011

SCHL 1400 ...

Mounted points (orange)

Features:
- Material: EKWbr
- Vmax 55.000 min^{-1}
- Non-tempered steels, structural steels, forged steel, low alloy steels

REF	Head Ø	Head length	Shank Ø	Shank l		Shape
SCHL 1400 2 5	2	5	3	30	20	
SCHL 1400 3 6	3	6	3	30	20	
SCHL 1400 4 8	4	8	3	30	20	
SCHL 1400 5 10	5	10	3	30	20	
SCHL 1400 6 10	6	10	3	30	20	
SCHL 1400 8 10	8	10	3	30	20	
SCHL 1400 10 10	10	10	3	30	20	
SCHL 1400 10 13	10	13	3	30	20	
SCHL 1400 13 13	13	13	3	30	20	
SCHL 1400 16 16	16	16	3	30	20	
SCHL 1400 16 4	16	4	3	30	20	
SCHL 1400 20 6	20	6	3	30	20	
SCHL 1400 Ø 6	Ø 6	-	3	30	20	
SCHL 1400 Ø 8	Ø 8	-	3	30	20	
SCHL 1400 Ø 10	Ø 10	-	3	30	20	
SCHL 1400 Ø 13	Ø 13	-	3	30	20	

26/05/2011

Mounted points (pink)

SCHL 1410 ...

Features:
- Material: EKR
- Vmax 55.000 min^{-1}
- Tempered steels, alloy steels, cast iron, malleable cast iron, casting steel

REF	Head Ø	Head length	Shank Ø	Shank l		Shape
SCHL 1410 2 5	2	5	3	30	20	
SCHL 1410 3 6	3	6	3	30	20	
SCHL 1410 4 8	4	8	3	30	20	
SCHL 1410 5 10	5	10	3	30	20	
SCHL 1410 6 10	6	10	3	30	20	
SCHL 1410 8 10	8	10	3	30	20	
SCHL 1410 10 10	10	10	3	30	20	
SCHL 1410 10 13	10	13	3	30	20	
SCHL 1410 13 13	13	13	3	30	20	
SCHL 1410 16 16	16	16	3	30	20	
SCHL 1410 13 3	13	3	3	30	20	
SCHL 1410 16 4	16	4	3	30	20	
SCHL 1410 20 6	20	6	3	30	20	
SCHL 1410 Ø 6	Ø 6	-	3	30	20	
SCHL 1410 Ø 8	Ø 8	-	3	30	20	
SCHL 1410 Ø 10	Ø 10	-	3	30	20	
SCHL 1410 Ø 13	Ø 13	-	3	30	20	

26/05/2011

SCHL 1430 ...

Mounted points (dark red)

Features:
- Material: EKD, resin impregnation
- Vmax 55.000 min^{-1}
- Heat treated, high alloy and heat resisting steels

REF	Head Ø	Head length	Shank Ø	Shank l		Shape
SCHL 1430 2 5	2	5	3	30	20	
SCHL 1430 3 6	3	6	3	30	20	
SCHL 1430 4 8	4	8	3	30	20	
SCHL 1430 5 10	5	10	3	30	20	
SCHL 1430 6 10	6	10	3	30	20	
SCHL 1430 8 10	8	10	3	30	20	
SCHL 1430 10 10	10	10	3	30	20	
SCHL 1430 10 13	10	13	3	30	20	

SCHL 1440 ...

Mounted points (green)

Features:
- Material: SIC
- Vmax 55.000 min^{-1}
- Solid carbide, high alloy steels, glass, ceramics, chilled casting

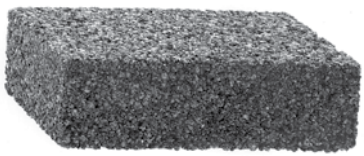
REF	Head Ø	Head length	Shank Ø	Shank l		Shape
SCHL 1440 3 6	3	6	3	30	20	
SCHL 1440 4 8	4	8	3	30	20	
SCHL 1440 5 10	5	10	3	30	20	
SCHL 1440 6 10	6	10	3	30	20	
SCHL 1440 8 10	8	10	3	30	20	
SCHL 1440 10 10	10	10	3	30	20	

26/05/2011

Dressing stone

RU 13 ...

Features:
- Mat. : SIC
- A = fine
- B = coarse



REF	Dimension	qualtiy grade		Total length
		A	B	
RU 1380 A	15 x 25	✓		50
RU 1380 B	15 x 25		✓	50
RU 1390 A	15 x 30	✓		100
RU 1390 B	15 x 30		✓	100

26/05/2011

Info

Custom made grinding points

Galvanic bonded diamond and boron nitride custom made grinding points

If you require non-standard shaped diamond or boron nitride grinding points, which are not offered in our catalogue, of course we can supply these items. Our product range „Custom made tool bits“ will assist you.

All the custom made tool bits are produced with galvanic bonding. In this method the cutting grain on the carrier is embedded into a tough hard nickel matrix. This process offers the advantage that almost any required shape of grinding wheels or grinding points can be realized. The respective carriers could be sent to us or we produce them for you. We recommend non-chromium, non-alloyed or low alloyed steels to be used for the carrier. The most effective binding between the nickel matrix and the carrier is obtained in this manner. Furthermore, defined undersizes have to be observed during production of carriers, which are depended on the required grain size and the layer thickness resulting from this.

The correct selection of grain sizes depends on the grade of surface finish as well as on the material to be machined. We recommend grain size 126 as commonly used medium grain for metals, grain sizes > 426 are not suitable for metals. For the machining of plastics or similar materials grain sizes of 126 up to 851 are used.

The application of diamond or boronnitride coating depends on the usage of the various types of cutting grains, explained in the following: Diamond grains are suitable for all types of tungsten carbide, finished or pre-sintered, ceramic materials, glass, ferrites, semi conductor materials, ferrotitanium, grey iron, graphite reinforced plastics, rubber, thermoset plastics.

Boronnitride grains are suitable for all common tool steels, especially tempered and hardened steels.

A decisive parameter for the optimum service live of the grinding tool in connection with the material to be machined will be respective embedded depth of the cutting grain. When asking for quote or ordering custom made tools, please always specify the material to be machined.

We are looking forward to assisting you in selecting the suitable grain types and the matching tool design. Don´t hesitate to contact us.

26/05/2011

Diamond grinding points, electro bond — DA 20 ...

Features:
- Shank material:
- ≤ DA 20 / 3,0: Solid carbide
- > DA 20 / 3,0: Steel

REF	Head Ø	Head length	Shank Ø	Shank l		❊ Grain					
						D64	D76	D91	D107	D126	D181
DA 20 1,0 ❊	1,0	4	3	40	1	✔	✔	✔	✔	✔	✔
DA 20 1,5 ❊	1,5	4	3	40	1	✔	✔	✔	✔	✔	✔
DA 20 2,0 ❊	2,0	5	3	40	1	✔	✔	✔	✔	✔	✔
DA 20 2,5 ❊	2,5	5	3	40	1	✔	✔	✔	✔	✔	✔
DA 20 3,0 ❊	3,0	5	3	40	1	✔	✔	✔	✔	✔	✔
DA 20 3,5 ❊	3,5	5	3	40	1	✔	✔	✔	✔	✔	✔
DA 20 4,0 ❊	4,0	5	3	40	1	✔	✔	✔	✔	✔	✔
DA 20 4,5 ❊	4,5	5	3	40	1	✔	✔	✔	✔	✔	✔
DA 20 5,0 ❊	5,0	6	3	40	1	✔	✔	✔	✔	✔	✔
DA 20 6,0 ❊	6,0	7	3	40	1	✔	✔	✔	✔	✔	✔
DA 20 7,0 ❊	7,0	10	6	60	1	✔	✔	✔	✔	✔	✔
DA 20 8,0 ❊	8,0	9	6	60	1	✔	✔	✔	✔	✔	✔
DA 20 9,0 ❊	9,0	10	6	60	1	✔	✔	✔	✔	✔	✔
DA 20 10,0 ❊	10,0	10	6	60	1	✔	✔	✔	✔	✔	✔
DA 20 12,0 ❊	12,0	15	6	60	1	✔	✔	✔	✔	✔	✔
DA 20 15,0 ❊	15,0	15	6	60	1	✔	✔	✔	✔	✔	✔

Diamond grinding points, electro bond — DA 40 ...

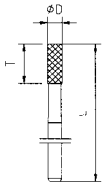
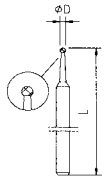
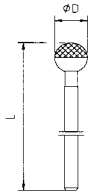
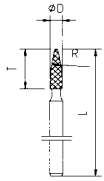
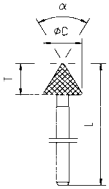
Features:
- Shank material: Steel

REF	Head Ø	Shank Ø	Shank l		❊ Grain					
					D64	D76	D91	D107	D126	D181
DA 40 1,0 ❊	1,0	3	40	1	✔	✔	✔	✔	✔	✔
DA 40 1,5 ❊	1,5	3	40	1	✔	✔	✔	✔	✔	✔
DA 40 2,0 ❊	2,0	3	40	1	✔	✔	✔	✔	✔	✔
DA 40 3,0 ❊	3,0	3	40	1	✔	✔	✔	✔	✔	✔
DA 40 4,0 ❊	4,0	3	40	1	✔	✔	✔	✔	✔	✔
DA 40 5,0 ❊	5,0	3	40	1	✔	✔	✔	✔	✔	✔
DA 40 6,0 ❊	6,0	3	40	1	✔	✔	✔	✔	✔	✔
DA 40 8,0 ❊	8,0	6	60	1	✔	✔	✔	✔	✔	✔
DA 40 10,0 ❊	10,0	6	60	1	✔	✔	✔	✔	✔	✔
DA 40 12,0 ❊	12,0	6	60	1	✔	✔	✔	✔	✔	✔

26/05/2011

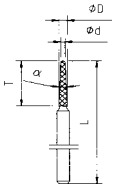
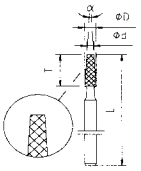
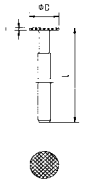
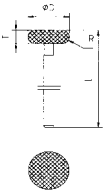
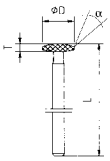
DT ... HP - DB ... HP

Diprofil diamond grinding points, electro bond

REF	Head Ø D	Head length T	Shank Ø	Total length L	Grain		Shape
DT 86 HP	1,4	7	2,35	46	D 107	1	
DB 304 HP	1,7	5	2,35	46	D 151	1	
DB 305 HP	1,9	5	2,35	46	D 151	1	
DT 114 HP	2,2	7	2,35	46	D 151	1	
DT 100 HP	2,5	7	2,35	46	D 151	1	
DT 107 HP	2,6	3	2,35	46	D 151	1	
DT 116 HP	5,9	6	2,35	46	D 151	1	
DB 1-2/ 0 HP	0,8	-	2,35	46	D 107	1	
DB 102 HP	1,3	-	2,35	46	D 107	1	
DB 104 HP	1,7	-	2,35	46	D 151	1	
DB 105 HP	1,9	-	2,35	46	D 151	1	
DB 108 HP	2,5	-	2,35	46	D 151	1	
DT 101 HP	3,0	-	2,35	45,2	D 151	1	
DT 119 HP	4,1	-	2,35	42,7	D 151	1	
DT 141 HP	4,9	-	2,35	45	D 126	1	
DT 143 HP	6,0	-	2,35	45	D 126	1	
DT 140 HP	4,9	-	2,35	45	D 126	1	
DT 142 HP	6,0	-	2,35	45	D 126	1	
DB 902A HP	1,3 R = 18	4	2,35	46	D 151	1	
DT 95B HP	1,6 R = 45	7,5	2,35	46	D 151	1	
DT 509 HP	1,6 R = 45	10	2,35	46	D 151	1	
DT 117 HP	2,4 R = 30	7,5	2,35	46	D 151	1	
DT 510 HP	2,4 R = 30	10	2,35	46	D 151	1	
DT 94 HP	3,1 α = 31°	4,8	2,35	44	D 151	1	
DT 103 HP	4,3 α = 80°	2,7	2,35	41,6	D 151	1	
DT 93 HP	5,1 α = 27°	9,5	2,35	48,4	D 151	1	
DT 236 HP	7,3 α = 30°	6	2,35	45,6	D 151	1	

26/05/2011

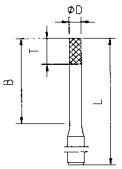
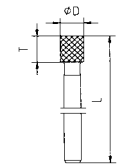
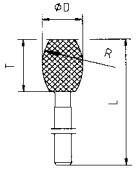
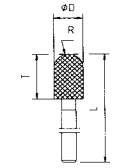
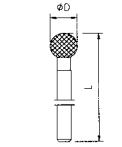
Diprofil diamond grinding points, electro bond — DT ... HP - DB ... HP

REF	Head Ø D	Head length T	Shank Ø	Total length L	Grain		Shape
DB 702 HP	1,3 d = 0,7 α = 2°	9	2,35	46	D 151	1	
DB 704 HP	1,6 d = 0,8 α = 2,5°	9	2,35	46	D 151	1	
DB 706 HP	1,9 d = 1,1 α = 2,5°	9	2,35	46	D 151	1	
DB 502 HP	1,3 d = 0,7 α = 3,5°	5	2,35	46	D 151	1	
DT 108 HP	2,6 d = 1,5 α = 12°	2,9	2,35	46	D 151	1	
DT 113 HP	2,6 d = 1,75 α = 3,5°	7	2,35	46	D 151	1	
DT 111 HP	4,2	1,5	2,35	40,3	D 151	1	
DT 129P HP	6,3	0,5	2,35	40	D 151	1	
DT 105P HP	6,4	0,9	2,35	40	D 151	1	
DT 11A HP	5,8 R = 1	2,3	2,35	45,5	D 151	1	
DT 531 HP	9,8 R = 1,5	3,4	2,35	41,3	D 151	1	
DT 112 HP	4,1 α = 60°	1,5	2,35	40,3	D 151	1	
DT 102 HP	5,8 α = 13°	1,3	2,35	40,2	D 151	1	
DT 109 HP	9,3 α = 16°	1,3	2,35	40,2	D 151	1	

26/05/2011

D ... H3

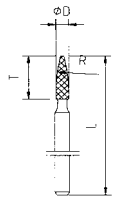
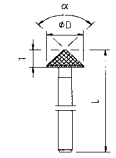
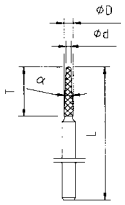
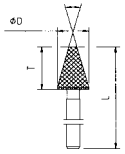
Diprofil diamond grinding points, electro bond

REF	Head Ø D	Head length T	Shank Ø	Total length L	Grain		Shape
D 0308L H3	0,8	4,0	3	46 B = 7	D 107	1	
D 0310L H3	1,0	4,0	3	46 B = 8	D 107	1	
D 0315L H3	1,5	4,0	3	46 B = 10	D 107	1	
D 0320L H3	2,0	5,0	3	46 B = 14	D 151	1	
D 0320L H3 D64	2,0	5,0	3	46 B = 14	D 64	1	
D 0325L H3	2,5	5,0	3	46 B = 19	D 151	1	
D 1325 H3	2,5	7,0	3	46 B = 19	D 151	1	
D 0330L H3	3,0	5,0	3	46 B = 19	D 151	1	
D 0330L H3 D64	3,0	5,0	3	46 B = 19	D 64	1	
D 0335L H3	3,5	5,0	3	44	D 151	1	
D 0340L H3	4,0	5,0	3	44	D 151	1	
D 0345L H3	4,5	5,0	3	44	D 151	1	
D 0350L H3	5,0	6,0	3	45	D 151	1	
D 0352 H3	5,5	6,0	3	45	D 151	1	
D 0354 H3	6,0	6,0	3	45	D 151	1	
D 1354 H3	6,0	10,0	3	49	D 151	1	
D 6258 H3	7,0 d = 4,5 R = 10	10,0	3	49	D 151	1	
D 6054 H3	6,0 R = 3	10,0	3	49	D 151	1	
D 0116 H3	1,7	-	3	46	D 151	1	
D 0116 H3 D64	1,7	-	3	46	D 64	1	
D 0120 H3	2,1	-	3	46	D 151	1	
D 0124 H3	2,5	-	3	46	D 151	1	
D 0130 H3	3,0	-	3	46	D 151	1	
D 0130 H3 D64	3,0	-	3	46	D 64	1	
D 0140 H3	4,1	-	3	46	D 151	1	
D 0150 H3	5,0	-	3	46	D 151	1	
D 0154 H3	6,0	-	3	46	D 151	1	

26/05/2011

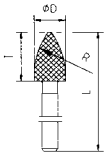
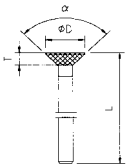
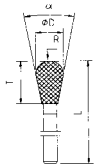
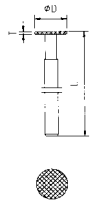
Diprofil diamond grinding points, electro bond

D ... H3

REF		Head Ø D	Head length T	Shank Ø	Total length L	Grain		Shape
D 0916	**H3**	1,6 R = 45	7,5	3	46	D 151	1	
D 0916L	**H3**	1,6 R = 45	10,0	3	46	D 151	1	
D 0916L	**H3 D64**	1,6 R = 45	10,0	3	46	D 64	1	
D 0924	**H3**	2,4 R = 30	7,5	3	46	D 151	1	
D 0924L	**H3**	2,4 R = 30	10,0	3	46	D 151	1	
D 0924L	**H3 D64**	2,4 R = 30	10,0	3	46	D 64	1	
D 5830	**H3**	3,1 a = 30°	5,0	3	46	D 151	1	
D 5830	**H3 D64**	3,1 a = 30°	5,0	3	46	D 64	1	
D 5562	**H3**	8,0 a = 90°	3,9	3	43,2	D 151	1	
D 5662	**H3**	8,0 a = 60°	6,6	3	45,9	D 151	1	
D 0712	**H3**	1,3 d = 0,7 a = 4°	9,0	3	46	D 151	1	
D 0716	**H3**	1,6 d = 0,8 a = 5°	9,0	3	46	D 151	1	
D 0720	**H3**	1,9 d = 1,1 a = 5°	9,0	3	46	D 151	1	
D 0720	**H3 D64**	1,9 d = 1,1 a = 5°	9,0	3	46	D 64	1	
D 0516L	**H3**	1,6 d = 0,9 a = 4°	10,0	3	46	D 151	1	
D 0521L	**H3**	2,1 d = 1,4 a = 4°	10,0	3	46	D 151	1	
D 0521L	**H3 D64**	2,1 d = 1,4 a = 4°	10,0	3	46	D 64	1	
D 0526	**H3**	2,6 d = 1,75 a = 4°	3,0	3	46	D 151	1	
D 5858	**H3**	7,0 d = 2,0 a = 30°	10,0	3	49	D 151	1	
D 5756	**H3**	8,0 d = 1,4 a = 45°	8,5	3	47,5	D 151	1	

D ... H3

Diprofil diamond grinding points, electro bond

REF		Head Ø D	Head length T	Shank Ø	Total length L	Grain		Shape
D 0954	**H3**	6,0 R = 17	10,0	3	49	D 151	1	
D 0224	**H3**	2,4 d = 1,5 a = 20°	3,0	3	46	D 151	1	
D 0224	**H3 D64**	2,4 d = 1,5 a = 20°	3,0	3	46	D 64	1	
D 5456	**H3**	6,5 d = 3,5 a = 15°	10,0	3	49	D 151	1	
D 5062	**H3**	8,0 d = 3,0 a = 90°	2,15	3	42	D 151	1	
D 6154	**H3**	6,0 d = 3,5 a = 20° R = 3	10,0	3	49	D 151	1	
D 1525	**H3**	7,3	0,8	3	40	D 151	1	

26/05/2011

Borazon grinding points

BS 150 ...

Features:
- Shank quenched and subsequently drawn and ground.
- Truth of running: 4 µm
- Vmax: 55.000 min^{-1}

REF	Total length	Head Ø	Head length	Shank Ø		✳ Grain	
						D64	D151
BS 150 0,8 4	**55** ✳	0,8	4	3	1	✔	
BS 150 1,0 4	**55** ✳	1,0	4	3	1	✔	
BS 150 1,3 4	**55** ✳	1,3	4	3	1	✔	
BS 150 1,5 4	**55** ✳	1,5	4	3	1	✔	✔
BS 150 1,8 4	**55** ✳	1,8	4	3	1	✔	✔
BS 150 2,0 4	**55** ✳	2,0	4	3	1	✔	✔
BS 150 2,5 4	**55** ✳	2,5	4	3	1	✔	✔
BS 150 3,5 5	**55** ✳	3,0	5	3	1	✔	✔
BS 150 3,0 4	**90** ✳	3,0	4	6	1	✔	✔
BS 150 3,5 5	**55** ✳	3,5	5	3	1	✔	✔
BS 150 4,0 5	**55** ✳	4,0	5	3	1	✔	✔
BS 150 4,0 5	**90** ✳	4,0	5	6	1	✔	✔
BS 150 4,0 5	**90** ✳	4,0	5	6	1	✔	✔
BS 150 5,0 5	**90** ✳	5,0	5	6	1	✔	✔
BS 150 6,0 7	**75** ✳	6,0	7	6	1	✔	✔
BS 150 6,0 7	**90** ✳	6,0	7	6	1	✔	✔
BS 150 8,0 8	**75** ✳	8,0	8	6	1	✔	✔
BS 150 10,0 10	**90** ✳	10,0	10	6	1	✔	✔
BS 150 12,0 10	**90** ✳	12,0	10	10	1	✔	✔
BS 150 15,0 10	**90** ✳	15,0	10	10	1	✔	✔

26/05/2011

DS 150 ...

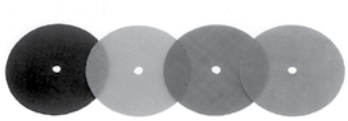
Diamond grinding points

Features:
- Shank quenched and subsequently drawn and ground.
- Truth of running: 4 µm
- Vmax: 40.000 min^{-1}

REF	Total length	Head Ø	Head length	Shank Ø		✻ Grain	
						D91	D151
DS 150 0,8 4 55 ✻		0,8	4	3	1	✔	
DS 150 1,0 4 55 ✻		1,0	4	3	1	✔	
DS 150 1,3 4 55 ✻		1,3	4	3	1	✔	
DS 150 1,5 4 55 ✻		1,5	4	3	1	✔	✔
DS 150 1,8 4 55 ✻		1,8	4	3	1	✔	✔
DS 150 2,0 4 55 ✻		2,0	4	3	1	✔	✔
DS 150 2,5 4 55 ✻		2,5	4	3	1	✔	✔
DS 150 3,5 5 55 ✻		3,0	5	3	1	✔	✔
DS 150 3,0 4 90 ✻		3,0	4	6	1	✔	✔
DS 150 3,5 5 55 ✻		3,5	5	3	1	✔	✔
DS 150 4,0 5 55 ✻		4,0	5	3	1	✔	✔
DS 150 4,0 5 90 ✻		4,0	5	6	1	✔	✔
DS 150 4,0 5 90 ✻		4,0	5	6	1	✔	✔
DS 150 5,0 5 90 ✻		5,0	5	6	1	✔	✔
DS 150 6,0 7 75 ✻		6,0	7	6	1	✔	✔
DS 150 6,0 7 90 ✻		6,0	7	6	1	✔	✔
DS 150 8,0 8 75 ✻		8,0	8	6	1	✔	✔
DS 150 10,0 10 90 ✻		10,0	10	6	1	✔	✔
DS 150 12,0 10 90 ✻		12,0	10	10	1	✔	✔
DS 150 15,0 10 90 ✻		15,0	10	10	1	✔	✔

S ... 20

Ceramic discs, highly flexible



Features:
- For specification referr to page 6
- Mesh: 600 brown, 800 blue, 1000 white, 1200 red

REF	Disc Ø	Disc thickness	Bore-Ø		Grain			
					600	800	1000	1200
SPH 20	22	0,6	1,6	1	✔			
SBH 20	22	0,6	1,6	1		✔		
SWH 20	22	0,5	1,6	1			✔	
SRH 20	22	0,4	1,6	1				✔

26/05/2011

Mandrel for ceramic discs

SM 001

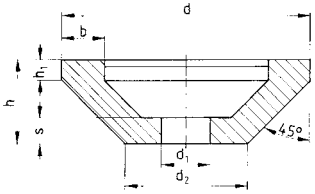
Features:
- Shank-Ø: 3 mm
- Total length: 50 mm

REF
SM 001

Diamond grinding wheels, form A

DT 12

Features:
- Electro-bond = 1
  Vmax: 7.000 min^{-1} (wet and dry grinding)
- Resin-bond = 2
  Vmax: 7.000 min^{-1} (wet grinding)
  Vmax: 7.000 min^{-1} (dry grinding)
- Metal-bond = 3
  Vmax: 7.000 min^{-1} (wet and dry grinding)

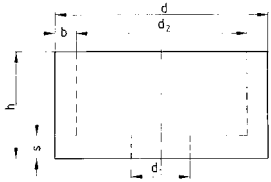


REF	Bond	d	d1	d2	h	h1	b	s		Grain	
										D 91	D 126
DT 12	**1**	100	20	56	23	-	10	10	1	✔	✔
DT 12	**2**	100	20	56	23	2	10	10	1	✔	✔
DT 12	**3**	100	20	56	23	1	10	10	1	✔	✔

26/05/2011

DT 13

SiCgr grinding wheels, form D

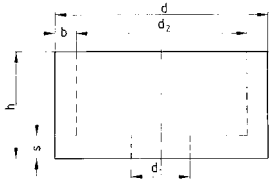


Features:
- Specially to grind solid carbide
  Vmax: 30.000 min-1
- Composition: 39C 60 KVS

REF	d	d1	d2	h	h1	b	s	
DT 13	100	20	-	50	-	10	~10	1

DT 14

EKW grinding wheels, form D



Features:
- With edge hardening
  Vmax: 30.000 min-1
- Composition: 30A 80K 8 V74

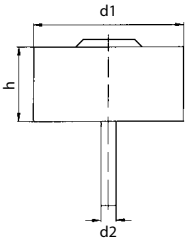
REF	d	d1	d2	h	h1	b	s	
DT 14	100	20	-	50	-	~10	~12.5	1

26/05/2011

Flat grinders

FS ...

Features:
- Material: Abrasive cloth
  Vmax: 35.000 min^{-1}
- For the machining of: forged steel, grey/ malleable cast iron, carbon steel, deep-drawing steel, strip steel, castings, non-ferrous metals



REF	d1	d2	h	n max (min-1)		✻ Grain			
						80	120	180	240
FS 1010 ✻	10	3	10	35.000	1	✔	✔	✔	✔
FS 1510 ✻	15	3	10	35.000	1	✔	✔	✔	✔
FS 1515 ✻	15	3	15	35.000	1	✔	✔	✔	✔
FS 1520 ✻	15	3	20	35.000	1	✔	✔	✔	✔
FS 1525 ✻	15	3	25	35.000	1	✔	✔	✔	✔
FS 1530 ✻	15	3	30	35.000	1	✔	✔	✔	✔
FS 2003 ✻	20	3	3	35.000	1	✔	✔	✔	✔
FS 2005 ✻	20	3	5	35.000	1	✔	✔	✔	✔
FS 2010 ✻	20	3	10	30.000	1	✔	✔	✔	✔
FS 2015 ✻	20	3	15	30.000	1	✔	✔	✔	✔
FS 2020 ✻	20	3	20	30.000	1	✔	✔	✔	✔
FS 2025 ✻	20	3	25	30.000	1	✔	✔	✔	✔
FS 2030 ✻	20	3	30	30.000	1	✔	✔	✔	✔
FS 2503 ✻	25	3	3	26.000	1	✔	✔	✔	✔
FS 2505 ✻	25	3	5	26.000	1	✔	✔	✔	✔
FS 2510 ✻	25	3	10	26.000	1	✔	✔	✔	✔
FS 2515 ✻	25	3	15	26.000	1	✔	✔	✔	✔
FS 2520 ✻	25	3	20	26.000	1	✔	✔	✔	✔
FS 2525 ✻	25	3	25	26.000	1	✔	✔	✔	✔
FS 2530 ✻	25	3	30	26.000	1	✔	✔	✔	✔
FS 3005 ✻	30	3	5	12.000	1			✔	✔
FS 3010 ✻	30	3	10	12.000	1			✔	✔
FS 4010 ✻	40	3	10	9.000	1			✔	✔
FS 4015 ✻	40	3	15	9.000	1			✔	✔
FS 5010 ✻	50	6	10	7.000	1	✔	✔	✔	✔
FS 5015 ✻	50	6	15	7.000	1	✔	✔	✔	✔
FS 6015 ✻	60	6	15	6.000	1	✔	✔	✔	✔
FS 6020 ✻	60	6	20	6.000	1	✔	✔	✔	✔
FS 6030 ✻	60	6	30	6.000	1	✔	✔	✔	✔
FS 6040 ✻	60	6	40	6.000	1	✔	✔	✔	✔
FS 6050 ✻	60	6	50	6.000	1	✔	✔	✔	✔

26/05/2011

FSB ...

Unwoven fabric grinders

Features:

- Material: S = silicon carbide
  A = corundum
  Vmax: 8.000 min^{-1}
- For the machining of: Cr-Ni and other stainless steels, castings, non-ferrous metals
- Mesh:
  A 104 and S 204 = medium
  A 106 and S 206 = fine
  A 107 and S 207 = very fine

REF	d1	d2	h	Total length		✻ Grain					
						A 104	A106	A107	S204	S206	S207
FSB 4020 ✻	40	6	20	60	10	✔	✔	✔		✔	✔
FSB 4030 ✻	40	6	30	70	10	✔	✔	✔			✔
FSB 5020 ✻	50	6	20	60	10	✔	✔		✔	✔	✔
FSB 5030 ✻	50	6	30	70	10	✔	✔	✔			✔
FSB 5040 ✻	50	6	40	80	10	✔	✔	✔			✔
FSB 6030 ✻	60	6	30	70	10	✔	✔	✔	✔	✔	✔
FSB 6040 ✻	60	6	40	80	10	✔	✔	✔	✔		✔
FSB 6050 ✻	60	6	50	90	10	✔	✔	✔			✔
FSB 8040 ✻	80	6	40	80	10	✔	✔		✔	✔	✔
FSB 8050 ✻	80	6	50	90	10	✔	✔	✔	✔	✔	✔

26/05/2011

Polishing/grinding pins (red)

PK 1345 ...

Features:
- Soft rubber bond - soft grinding, high surface finish quality, low chip production
- Vmax: 15.000 min^{-1}

REF	Head Ø	Head length	Shank Ø	Total length	Grain		Shape
PK 1345 Zy 4 8	4	8	3	38	120	20	
PK 1345 Zy 5 10	5	10	3	40	120	20	
PK 1345 Zy 6 10	6	10	3	40	120	20	
PK 1345 Zy 8 10	8	10	3	40	120	20	
PK 1345 Zy 10 10	10	10	3	40	120	20	
PK 1345 Zy 13 13	13	13	3	43	120	20	
PK 1345 Zy 13 16	13	16	3	46	120	20	
PK 1345 Zy 16 16	16	16	3	46	120	20	
PK 1345 Zy 8 16	8	16	6	56	120	20	
PK 1345 Zy 10 20	10	20	6	60	120	20	
PK 1345 Zy 13 20	13	20	6	60	120	20	
PK 1345 Zy 16 20	16	20	6	60	120	20	
PK 1345 Zy 16 32	16	32	6	72	120	20	
PK 1345 Zy 20 20	20	20	6	60	120	20	
PK 1345 Zy 20 32	20	32	6	72	120	20	
PK 1345 Zy 32 32	32	32	6	72	120	20	
PK 1345 Zy 32 10	32	10	6	50	120	20	
PK 1345 Zy 40 10	40	10	6	50	120	20	
PK 1345 Zy 32 16	32	16	6	56	120	20	
PK 1345 Zy 32 20	32	20	6	60	120	20	
PK 1345 Zy 40 20	40	20	6	60	120	20	
PK 1345 Sp 13 20	13	20	6	60	120	20	
PK 1345 Ku Ø 8	Ø 8	-	3	38	120	20	
PK 1345 Ku Ø 10	Ø 10	-	3	40	120	20	
PK 1345 Ku Ø 16	Ø 16	-	6	55	120	20	
PK 1345 Wr 16 32	16	32	6	72	120	20	
PK 1345 Ke 10 20	10	20	6	60	120	20	

26/05/2011

PK 1350 ...

Polishing/grinding pins (brown)

Features:

- Soft rubber bond - soft grinding, high surface finish quality, low chip production
- Vmax: 15.000 min^{-1}

REF	Head Ø	Head length	Shank Ø	Total length	Grain		Shape
PK 1350 Zy 4 8	4	8	3	38	220	20	
PK 1350 Zy 5 10	5	10	3	40	220	20	
PK 1350 Zy 6 10	6	10	3	40	220	20	
PK 1350 Zy 8 10	8	10	3	40	220	20	
PK 1350 Zy 10 10	10	10	3	40	220	20	
PK 1350 Zy 13 13	13	13	3	43	220	20	
PK 1350 Zy 16 16	16	16	3	46	220	20	
PK 1350 Zy 8 16	8	16	6	56	220	20	
PK 1350 Zy 10 20	10	20	6	60	220	20	
PK 1350 Zy 13 20	13	20	6	60	220	20	
PK 1350 Zy 16 20	16	20	6	60	220	20	
PK 1350 Zy 16 32	16	32	6	72	220	20	
PK 1350 Zy 20 20	20	20	6	60	220	20	
PK 1350 Zy 20 32	20	32	6	72	220	20	
PK 1350 Zy 32 10	32	10	6	50	220	20	
PK 1350 Sp 20 32	20	32	6	60	220	20	
PK 1350 Ku Ø 16	Ø 16	-	6	55	220	20	

26/05/2011

Polishing/grinding pins (green)

PK 1360 ...

Features:
- Soft rubber bond - soft grinding, high surface finish quality, low chip production
- Vmax 15.000 min^{-1}

REF	Head Ø	Head length	Shank Ø	Total length	Grain		Shape
PK 1360 Zy 4 8	4	8	3	38	280	20	
PK 1360 Zy 5 10	5	10	3	40	280	20	
PK 1360 Zy 6 10	6	10	3	40	280	20	
PK 1360 Zy 8 10	8	10	3	40	280	20	
PK 1360 Zy 10 10	10	10	3	40	280	20	
PK 1360 Zy 13 13	13	13	3	43	280	20	
PK 1360 Zy 16 16	16	16	3	46	280	20	
PK 1360 Zy 8 16	8	16	6	56	280	20	
PK 1360 Zy 10 20	10	20	6	60	280	20	
PK 1360 Zy 13 20	13	20	6	60	280	20	
PK 1360 Zy 16 20	16	20	6	60	280	20	
PK 1360 Zy 20 20	20	20	6	60	280	20	
PK 1360 Zy 20 32	20	32	6	72	280	20	
PK 1360 Zy 32 32	32	32	6	72	280	20	
PK 1360 Zy 32 10	32	10	6	50	280	20	
PK 1360 Zy 40 10	40	10	6	50	280	20	
PK 1360 Zy 32 16	32	16	6	56	280	20	
PK 1360 Zy 32 20	32	20	6	60	280	20	
PK 1360 Zy 40 20	40	20	6	60	280	20	

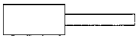
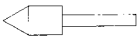
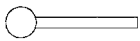
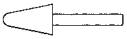
26/05/2011

PK 1370 ... - PK 1375 ...

Polishing/grinding pins (brown)

Features:

- Hard rubber bond - grinding of cast iron, hardened, non-hardened, alloy, and non-alloy steels.
- Vmax 15.000 min^{-1}

REF	Head Ø	Head length	Shank Ø	Total length	Grain		Shape
PK 1370 Zy 4 8	4	8	3	38	100	20	
PK 1370 Zy 5 10	5	10	3	40	100	20	
PK 1370 Zy 6 10	6	10	3	40	100	20	
PK 1370 Zy 8 10	8	10	3	40	100	20	
PK 1370 Zy 8 16	8	16	6	56	100	20	
PK 1370 Zy 10 10	10	10	3	40	100	20	
PK 1370 Zy 10 13	10	13	3	43	100	20	
PK 1370 Zy 10 16	10	16	3	46	100	20	
PK 1370 Zy 10 20	10	20	6	60	100	20	
PK 1370 Zy 13 13	13	13	3	43	100	20	
PK 1370 Zy 13 16	13	16	3	46	100	20	
PK 1370 Zy 13 20	13	20	6	60	100	20	
PK 1370 Zy 16 16	16	16	3	46	100	20	
PK 1370 Zy 16 20	16	20	6	60	100	20	
PK 1370 Zy 16 32	16	32	6	72	100	20	
PK 1370 Zy 20 20	20	20	6	60	100	20	
PK 1370 Zy 20 32	20	32	6	60	100	20	
PK 1370 Zy 13 3	13	3	3	33	100	20	
PK 1370 Zy 16 4	16	4	3	34	100	20	
PK 1370 Zy 20 6	20	6	6	72	100	20	
PK 1370 Zy 32 10	32	10	3	36	100	20	
PK 1370 Ks 16 32	16	32	6	72	100	20	
PK 1370 Ku Ø 8	Ø 8	-	3	38	100	20	
PK 1370 Ku Ø 16	Ø 16	-	6	55	100	20	
PK 1370 Ke 20 32	20	32	6	72	100	20	
PK 1375	Set: Assortment includes all 13 single elements of the PK 1370 standard with shank Ø = 3 mm.						

26/05/2011

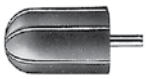
Polishing/grinding pins (light grey)

PK 1380 ...

Features:
- Grinding of Al, Al-alloys, non ferrous metalls, low- and high-alloy steels.
- Vmax: 15.000 min^{-1}

REF	Head Ø	Head length	Shank Ø	Total length	Grain		Shape
PK 1380 Zy 8 10	8	10	3	40	80	20	
PK 1380 Zy 10 10	10	10	3	40	80	20	
PK 1380 Zy 13 16	13	16	3	46	80	20	
PK 1380 Zy 16 16	16	16	3	46	80	20	
PK 1380 Zy 8 16	8	16	6	56	80	20	
PK 1380 Zy 10 20	10	20	6	60	80	20	
PK 1380 Zy 13 20	13	20	6	60	80	20	
PK 1380 Zy 16 20	16	20	6	60	80	20	
PK 1380 Zy 16 32	16	32	6	72	80	20	
PK 1380 Zy 20 20	20	20	6	60	80	20	
PK 1380 Zy 32 32	32	32	6	72	80	20	
PK 1380 Sp 20 32	20	32	6	72	80	20	
PK 1380 Ku Ø 8	Ø 8	-	3	38	80	20	

GF ... - GR ... - GS ... - GK ... Rubber carrier

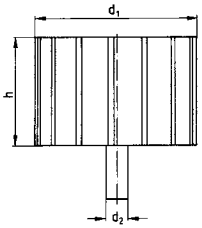
REF	Head Ø	Head length	Shank Ø	Shank length	n max min^{-1}		Shape
GF 35	5	10	3	25	45.000	10	
GF 37	7	12	3	25	32.000	10	
GF 40	10	15	3	25	22.000	10	
GR 35	5	10	3	25	45.000	10	
GR 37	7	12	3	25	32.000	10	
GR 40	10	15	3	25	22.000	10	
GS 35	5	11	3	25	45.000	10	
GS 37	7	13	3	25	32.000	10	
GS 40	10	15	3	25	22.000	10	
GK 15	5	15	6	40	45.000	10	
GK 25	11	25	6	40	24.000	10	

SF ... - SR ... - SS ... - SK ... Abrasive caps

REF	Cap-Ø	Cap-length	✻ Mesh			For		Shape
			80	150	320			
SF 35 ✻	5	10	3	3	3	**GF ...**	100	
SF 37 ✻	7	12	3	3	3	**GF ...**	100	
SF 40 ✻	10	15	3	3	3	**GF ...**	100	
SR 35 ✻	5	10	3	3	3	**GR ...**	100	
SR 37 ✻	7	12	3	3	3	**GR ...**	100	
SR 40 ✻	10	15	3	3	3	**GR ...**	100	
SS 35 ✻	5	11	3	3	3	**GS ...**	100	
SS 37 ✻	7	13	3	3	3	**GS ...**	100	
SS 40 ✻	10	15	3	3	3	**GS ...**	100	
SK 15 ✻	5	15	3	3		**GK ...**	100	
SK 25 ✻	11	25	3	3		**GK ...**	100	

26/05/2011

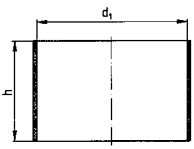
Belt carriers (hard) — R ...



REF	d1	d2	h	n max min^{-1}	
R 1010	10	6	10	30.000	10
R 1020	10	6	20	30.000	10
R 1510	15	6	10	30.000	10
R 1530	15	6	30	30.000	10
R 2525	25	6	25	18.000	10
R 3020	30	6	20	13.000	10
R 3030	30	6	30	13.000	10
R 4530	45	6	30	9.000	10

Abrasive belts — S ...

Features:
- Material: Standard corundum
- For all grades of steel, cast iron, non-ferrous metals, wood

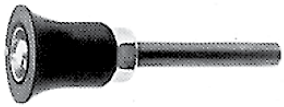


REF	d1	h	✳ Grain							
			40	50	60	80	150	240	320	
S 1010 ✳	10	10				✓	✓	✓	✓	50
S 1020 ✳	10	20				✓	✓	✓	✓	50
S 1510 ✳	15	10			✓	✓	✓	✓	✓	50
S 1530 ✳	15	30		✓	✓	✓	✓	✓	✓	50
S 2525 ✳	25	25	✓	✓	✓	✓	✓			50
S 3020 ✳	30	20	✓	✓	✓	✓	✓	✓	✓	50
S 3030 ✳	30	30	✓	✓	✓	✓	✓	✓	✓	50
S 4530 ✳	45	30	✓	✓	✓	✓	✓	✓	✓	50

26/05/2011

GT ...

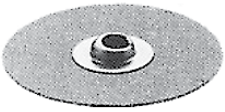
Rubber carriers with thread



REF	Carrier-Ø	Shank-Ø	n max min^{-1}	
GT 620	20	6	40.000	1
GT 625	25	6	40.000	1
GT 640	40	6	30.000	1
GT 650	50	6	30.000	1
GT 675	75	6	20.000	1

SB ...

Abrasive discs internal threaded

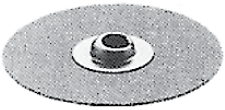


Features:
- Material: Standard corundum
- For all tool steels

REF	Disc-Ø	✳ Grain						
		50	80	120	180	240	320	
SB 120 ✳	20	✓	✓	✓	✓	✓	✓	100
SB 125 ✳	25	✓	✓	✓	✓	✓	✓	100
SB 140 ✳	40	✓	✓	✓	✓	✓	✓	100
SB 150 ✳	50	✓	✓	✓	✓		✓	100
SB 175 ✳	75	✓	✓	✓	✓	✓	✓	100

SBZ ...

Abrasive discs internal threaded



Features:
- Material: zirconicum-corundum
- For stainless-, nickel steels

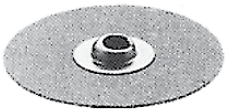
REF	Disc-Ø	n max min^{-1}	✳ Grain			
			36	80	120	
SBZ 50 ✳	50	20-30.000	✓	✓	✓	100

26/05/2011

Felt discs internal threaded

SBV ...

Features:
- Material: zirconicum-corundum
- For metal, wood, plastic



REF	Disc-Ø	n max min^{-1}	✳ Grain			
			Rough	Medium	Fine	
SBV 20 ✳	20	20.000	✓	✓	✓	50
SBV 25 ✳	25	15.000	✓	✓	✓	50
SBV 40 ✳	40	10.000	✓	✓	✓	50
SBV 50 ✳	50	8.000	✓	✓	✓	50
SBV 75 ✳	75	5.500	✓	✓	✓	50

Rubber carriers for self-fixing abrasive discs

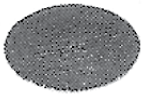
GPS ...

REF	Carrier-Ø	Shank-Ø	n max min^{-1}	
GPS 18	18	3	20.000	5
GPS 30	30	3	12.500	5
GPS 45	45	6	10.000	5
GPS 60	60	6	8.000	5
GPS 75	75	6	6.000	5

Abrasive discs, self-adhesive

PS ...

Features:
- Material: Standard corundum
- For all tool steels



REF	Disc-Ø	j Grain							
		60	80	120	150	180	240	320	
PS 18 j	21	3	3	3	3	3	3	3	100
PS 30 j	33	3	3	3	3	3	3		100
PS 45 j	48	3	3	3	3	3	3	3	100
PS 60 j	63	3	3	3	3		3	3	100
PS 75 j	78	3	3	3	3	3	3	3	100

26/05/2011

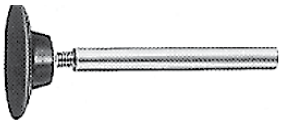
F ...

Felt polishing discs, self-adhesive

REF	Ø	
F 180 S	18	20
F 300 S	30	20
F 450 S	45	20

GPK ...

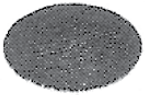
Rubber carriers for self-fixing abrasive discs



REF	Carrier-Ø	Shank-Ø	n max min^{-1}	
GPK 18	18	3	20.000	5
GPK 30	30	3	12.500	5
GPK 45	45	6	10.000	5
GPK 60	60	6	8.000	5
GPK 75	75	6	6.000	5

PK ...

Abrasive discs, self-adhesive



Features:
- Material: Standard corundum
- For all tool steels

REF	Disc-Ø	✳ Grain						
		60	80	120	150	180	240	
PK 18 ✳	21	✓	✓	✓	✓	✓	✓	100
PK 30 ✳	33	✓	✓	✓	✓	✓	✓	100
PK 45 ✳	48	✓	✓	✓	✓	✓	✓	100
PK 60 ✳	63	✓	✓	✓	✓			100
PK 75 ✳	78	✓	✓	✓	✓			100

26/05/2011