

SMOLNO VEZANI BRUSI s CBN in DIA zrnji  
RESIN-BONDED GRINDING TOOLS with CBN and DIA grains

# DIACOM Pro

Visoko vzdržljiva brusna orodja  
Highly durable grinding tools

- **Izredna trajnost**
- **Excellent durability**

- Posebna brusna orodja za **CNC** aplikacije
- Razne dimenzije po naročilu
- Special-purpose grinding tools for **CNC** applications
- Various dimensions to order

**Novost**  
porozna struktura,  
bakreno nosilno telo  
(Brusna orodja z zmanjšanim  
PREGREVANJEM OBDELOVANCA)

**New**  
porous structure,  
copper core  
(Grinding tools for less  
WORKPIECE HEATING)

# DIACOM Pro Visoko vzdržljiva brusna orodja

## Highly durable grinding tools

Prednosti visoko vzdržljivih brusnih orodij **DIACOM Pro** v primerjavi s standardnimi orodji:

- višja temperaturna obstojnost,
- večja obrabna obstojnost,
- povečana produktivnost,
- močnejše vezivo,
- boljša vezava zrn.

Visoko vzdržljivi brusi **DIACOM Pro** imajo v primerjavi s klasičnimi smolno vezanimi brusi večjo temperaturno obstojnost, boljšo toplotno prevodnost ter natezno in upogibno trdnost.

Primerni so za zahtevne brusne aplikacije, pri velikih odvzemih materiala ter posledično velikih termičnih in mehanskih obremenitvah brusnega orodja.

Visoko vzdržljivi brusi **DIACOM Pro** so se uveljavili predvsem na področju orodnega CNC brušenja, kjer vedno trši obdelovani materiali ter zahtevnejši pogoji brušenja, hkrati pa zahteve po večji produktivnosti, pogojujejo uporabo brusnega orodja z izboljšanimi lastnostmi.

The advantages of **DIACOM Pro** highly durable grinding tools compared to standard grinding tools include:

- higher temperature stability,
- greater wear resistance,
- better productivity,
- stronger bond matrix,
- better grit retention.

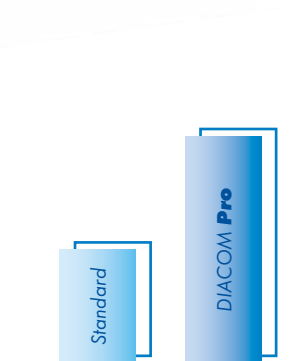
Compared to standard resin bonded grinding tools, highly durable grinding tools **DIACOM Pro** have a greater temperature stability, better thermal conductivity and higher tensile and bending strength.

They are suitable for demanding grinding applications, in case of extensive material removal and consequently large thermal and mechanical loads on the grinding tool.

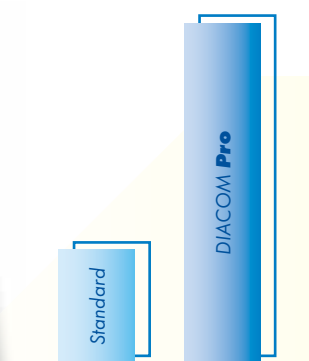
Highly durable **DIACOM Pro** grinding tools have become established primarily in the field of CNC tool grinding, where grinding tools with improved properties are required due to ever harder worked materials and increasingly more difficult grinding conditions, as well as constant demands for greater productivity.

**Prednosti** visoko vzdržljivih brusnih orodij **DIACOM Pro** v primerjavi s standardnimi orodji:

**Advantages** of **DIACOM Pro** highly durable grinding tools in comparison to standard grinding tools:



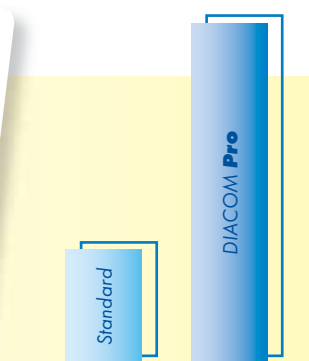
Temperaturna obstojnost  
Temperature stability



Obrabna obstojnost  
Wear resistance



Vezava zrn  
Grit retention



Povečana produktivnost  
Better productivity

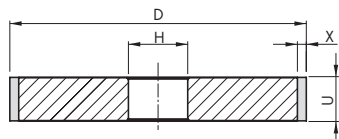


## CNC brusna orodja / CNC tool grinding

### DIACOM Pro 1A1

**D × U × X × H\*** (mm)

Brusno orodje  
Grinding tool

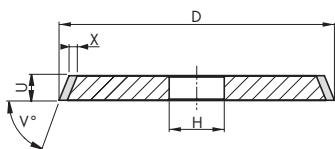


D	U	X
50	4, 6, 10, 12, 15	3, 4, 5
75	4, 6, 10	3, 5
100	4, 6, 10, 12, 15	3, 5, 8, 10
125	4, 6, 10, 12, 15	3, 5, 8, 10
150	4, 6, 10, 12, 15	3, 5, 10

### DIACOM Pro 1V1

**D × U × X × H\*** (mm)

Brusno orodje  
Grinding tool

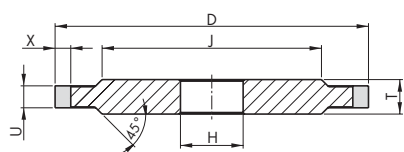


D	U	X	V°
50	3, 5	5, 7	45
75	6	3	45, 70
75	10, 15	3, 5	60, 70
100	6	3	45, 70, 75
100	10	3, 5	70, 75
125	6	3	45
125	6	5	70
125	8	5	70
125	10	3	45, 70
125	10	5	80
125	12	5	75
125	15	5	70, 80
150	10	3, 4, 5	45, 70

### DIACOM Pro 14A1

**D × U × X × H\*** (mm)

Brusno orodje - disk  
Grinding tool - disk

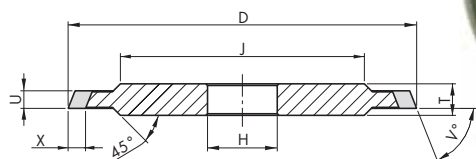


D	U	X	T	J
75	10	5	15, 20	50
100	10, 12, 15	5, 10	15, 20	75
100	1, 1.2, 1.5	5	6	70
125	2,5	5	6	95
125	10, 12, 15	5, 10	15, 20	100
150	10, 12, 15	5, 10	15, 20	125

### DIACOM Pro 14V1

**D × U × X × H\*** (mm)

Brusno orodje - disk  
Grinding tool - disk



D	U	X	T	J	V°
75	6	3	10	50	45, 70
75	10	3	15	50	70
100	6	3	10	75	45, 70
100	10	3	15	75	70
125	6	3	10	100	45
125	10	3	15	100	45, 70
125	10	5	15	100	80
125	12	5	15	100	75
125	15	5	20	100	70
150	10	3	15	125	45, 70

\*Standardni premer luknje (H) je Ø20 H7, ostale premere in bruse drugih dimenzij izdelujemo po naročilu.

\*The standard hole diameter (H) is Ø20 H7; other hole diameters and grinding tools of other dimensions are manufactured to order.



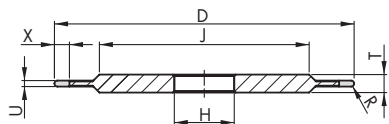
## CNC brusna orodja / CNC grinding tools

### DIACOM Pro 14F1

**D × U × X × H\*** (mm)

Brusno orodje - disk

Grinding tool - disc



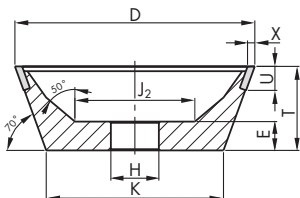
D	U	X	T	J
75	5, 10	3	10, 15	50
100	2, 5, 10	5	6, 10, 15	75
125	2, 5, 10	5	6, 10, 15	95
150	2, 5, 10	5	6, 10, 15	120

### DIACOM Pro 11V9-WA

**D × U × X × H\*** (mm)

Brusno orodje - lonček

Grinding tool - cup



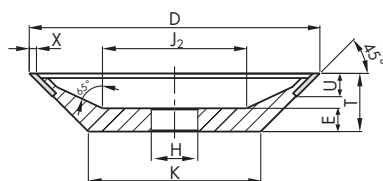
D	X	U	E	T	J <sub>2</sub>	K
75	3	10	12	30	37	52
100	3	10	12	35	50	74
125	3	10	12	35	75	99

### DIACOM Pro 12V9-WA

**D × U × X × H\*** (mm)

Brusno orodje - lonček

Grinding tool - cup



D	X	U	E	T	J <sub>2</sub>	K
75	3	10	10	20	33	35
100	3	10	10	20	62	59
125	3	10	10	25	62	74

## Priporočljive kvalitete brusnih orodij / Recommended quality of grinding tools

Obdelovanec Ground material	Vrsta zrna Grit type	Granulacija Grit size	Vezivo Bond	Koncentracija Concentration
Jekla Steels	B	46 - 151	BMRT, V80T PIMR, BIMR	75 - 125 100 - 125
Karbidne trdine Tungsten carbides	D	46 - 151	BMJS V80T PIMR, BIMR, PIMS, BIMS	75 - 100 75 - 125 100 - 125

\*Standardni premer luknje (H) je Ø20 H7, ostale premere in bruse drugih dimenzij izdelujemo po naročilu.

\*The standard hole diameter (H) is Ø20 H7; other hole diameters and grinding tools of other dimensions are manufactured to order.