



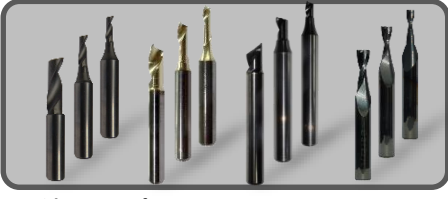
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**burrless cut edges! smooth surfaces!
long tool life! optimal cutting conditions!**

we have the suitable solution for Dibond and ALU!

With our innovative technologies we offer **High-performance power at the cutting edge!** for any application in **ALU** and **Dibond- / Cobond-**materials.

geometry



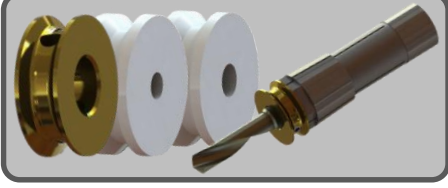
- wide range of**
- 1- and 2- tooth cutters
 - shank diameter up to 8 mm
 - Up- / Downcut / straight-cut
 - special milling tools

materials



- wide range of**
- aluminium, aluminium composite panels
 - soft/hard/tough Aluminium
 - Dibond/Cobond with different material characteristics and combinations

routing accesories



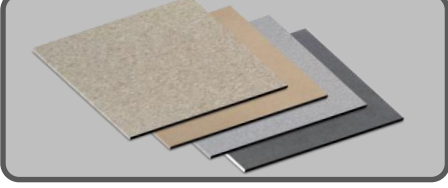
- **slinger discs** in plastic or brass version
- serve as stopper
- protects collet chuck against dirt

cutting material



- carbide sub micron, coated, special coated,
- CAACoat, CKACoat, CKBCoat
 - extremely hard cutting edges
 - sliding effekt, very low-wear
- **High-performance at the cutting edge**

routing underlays



- routing underlays**
- **the suitable underlay for every process!**
 - Chipboards, MDF chipboards
 - Milling underlays 2mm, 3mm
 - Sealgrip underlays

technology

Zahnfortschritt in mm/Zahn

Die Drehzahl [n] des Fräasers wird über folgenden Zusammenhang berechnet: $n = vc \times 1000 / d \times \pi$
Die Vorschubgeschwindigkeit [f] des Fräasers über: $f = n \times z \times fz$ in mm/min

allg.: die Werte in den gelben Feldern liegen i.d.R. vor

Berechnungsformeln	gesucht	Vorgabe	gegebenen Werte
fz in mm/Zahn	$fz = 0.16$	Vorschub $f = 4000$	Drehzahl $n = 25000$ $z = 1$
vc in m/min	$vc = 471$	Drehzahl n in U/min = 25000	$d1$ in mm = 6
Drehzahl in U/min	$n = 25.000$	vc in m/min = 471	$d1$ in mm = 6
Vorschub f in mm/min	$f = 4.000$	Drehzahl n in U/min = 25000	fz in mm/Zahn = 0.16 $z = 1$

- experience values**
- we support you in terms of technology problems
 - please feel free to contact us!
 - participate in our wide range of experience

available for all
plotter models
with milling head

- ZÜND
- ESKO
- ARISTO
- MultiCam
- ATOM
- Elitron
- Morgan
- HAS
- Van

