

## Technical information

Art.-Nr. 414 / 1 - example aluminium



### VHM - Schafffräser

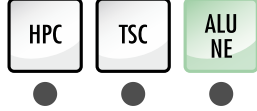
Art.-Nr. **414** Flutes **4**



#### Tool data



#### Tool recommendation



#### Capabilities



## Areas of application and special features

HPC mill especially for harder short chipping aluminium and non-ferrous materials. Uneven partition, uneven helix. cutting edge and coating are polished.

## Competitive advantages and profitability

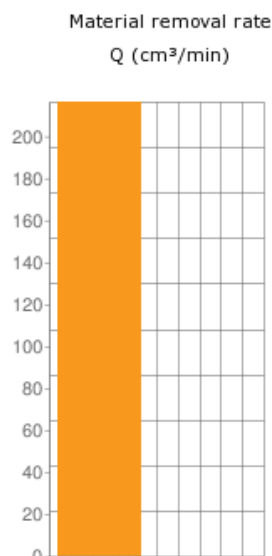
competition to Hoffmann, GW and Ceratizit

## Example application

Art.-Nr.: **414.160.10**  
Material: **Aluminium alloyed over >8% S**

Competitor:  
Art.-Nr.:

Inovatools – Finishing			
D1	16,00	mm	Diameter
z	4		Flutes
ae	8,000	mm	Row pitch
ap	16,000	mm	Cutting depth
vc	250,00	m/min	Cutting speed
n	4974	U/min	Rotation speed
fz	0,08500	mm	Feed per tooth
vf	1691,02	mm/min	Feed rate
Q	216,45072260	cm <sup>3</sup> /min	Material removal rate
hm	0,05411	mm	Middle chipping thickness
K/M		€/std	Machine hourly cost
K/W		€	Tool cost
T		min	Tool life
V		cm <sup>3</sup>	Processing volume
Tb		min	Process time
€/Ws		€	Cost workpiece



Calculator			
D1		mm	Diameter
z			Flutes
ae		mm	Row pitch
ap		mm	Cutting depth
vc		m/min	Cutting speed
n		U/min	Rotation speed
fz		mm	Feed per tooth
vf		mm/min	Feed rate
Q		cm <sup>3</sup> /min	Material removal rate
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