

Technical information

Art.-Nr. 251 / 1 - Aluminium



VHM - Schrappfräser PRIMUS

Art.-Nr. 251
Flutes 3



Tool data



Tool recommendation



Capabilities



Areas of application and special features

HPC roughing cutter PRIMUS with internal cooling, vario twist, micro geometry and Ta-C coating.

Competitive advantages and profitability

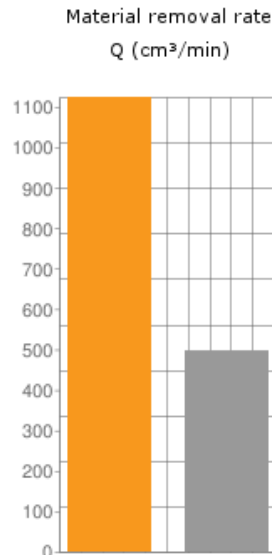
Highest removal rate with up to $vc=750\text{m/min}$.

Example application

Art.-Nr.: 25112010
Material: Aluminium long-chipping

Competitor:
Art.-Nr.:

Inovatools – Roughing			
D1	12,00	mm	Diameter
z	3		Flutes
ae	12,000	mm	Row pitch
ap	12,000	mm	Cutting depth
vc	530,33	m/min	Cutting speed
n	14067	U/min	Rotation speed
fz	0,18500	mm	Feed per tooth
vf	7807,31	mm/min	Feed rate
Q	1124,25305000	cm ³ /min	Material removal rate
hm	0,11777	mm	Middle chipping thickness
K/M		€/std	Machine hourly cost
K/W		€	Tool cost
T		min	Tool life
V		cm ³	Processing volume
Tb		min	Process time
€/Ws		€	Cost workpiece



Calculator			
D1	12,00	mm	Diameter
z	3		Flutes
ae	12	mm	Row pitch
ap	12	mm	Cutting depth
vc	438,40	m/min	Cutting speed
n	11629	U/min	Rotation speed
fz	0,1	mm	Feed per tooth
vf	3488,70	mm/min	Feed rate
Q	502,37280000	cm ³ /min	Material removal rate
hm	0,06366	mm	Middle chipping thickness
K/M		€/std	Machine hourly cost
K/W		€	Tool cost
T		min	Tool life
V		cm ³	Processing volume
Tb		min	Process time
€/Ws		€	Cost workpiece

