

SPEEDONE VIPER

HIGH SPEED FACE MILLING CUTTER WITH PCD INSERTS

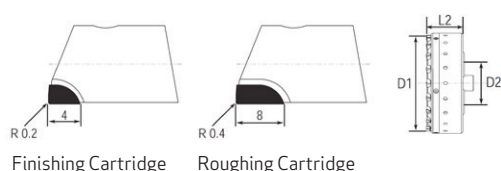


On the fast paced and demanding world of automotive manufacture the pressure to increase tool life while reducing cycle times is one of our most important focus. With this in mind the development of existing products never stops. While most are part of our continuous improvement philosophy, quantum leaps give way to new products.

SPEEDONE VIPER

HIGH SPEED FACE MILLING CUTTER WITH PCD INSERTS

9394.1254 & 9394.1255 UPGRADED CARTRIDGE

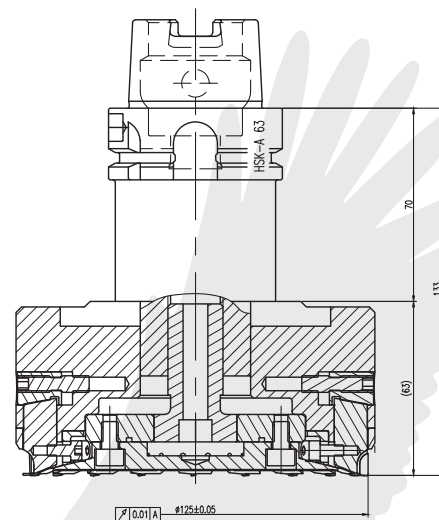


Cartridges references	Finishing	Roughing
Standard	9394.1250	9394.1251
Upgraded	9394.1254	9394.1255

By re-thinking the cutting edge geometries and varying PCD grades a significant increase in tool life and cycle time savings was achieved in the automotive industry environment.

FACE MILLING HEADS

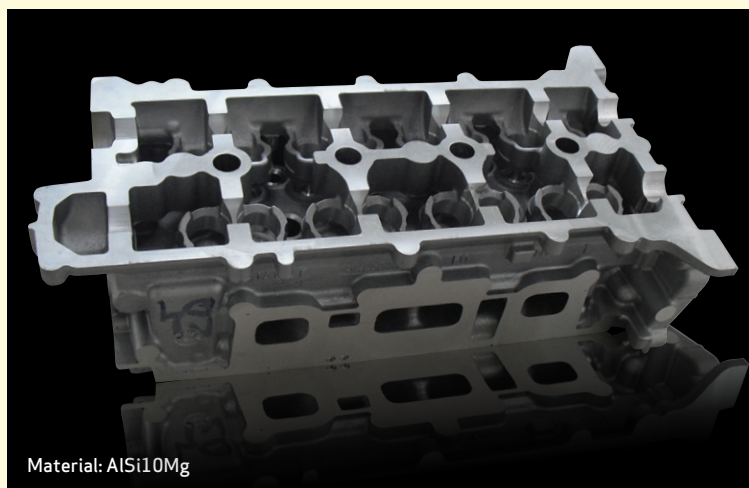
Art.	Standard		Upgraded		Ø	D2		L2	Z
	Finishing	Roughing	Finishing	Roughing					
9396.0800...	...1	...2	...4	...5	80	27	H7	50	12
9396.1100...	...1	...2	...4	...5	100	32	H7	50	18
9396.1250...	...1	...2	...4	...5	125	40	H7	63	20
9396.1400...	...1	...2	...4	...5	140	40	H7	63	22
9396.1600...	...1	...2	...4	...5	160	40	H7	63	26
9396.2500...	...1	...2	...4	...5	250	60	H7	63	36



Modern, flexible and elegant concept. Cost effective PCD cartridges. Allows for maximum RPM and feed rates.

CASE STUDY

	FMT	Competitor
Diameter (mm)	125	125
Cutting edges (Z)	20	12
Rpms	12 000	8000
Vf (mm/min.)	15 000	10 560
Machined time comparison	42% faster	-
Ap (mm)	2	2
Machined engine blocks	100 000	25 000
Tool life comparison	400% advantage	-



Although the Speed one was far from being at the limit of its capabilities it was able to reduce the machining time by 30%. With a 400% advantage on tool life over the competition this upgrade speaks for itself.

BIG CHALLENGES, GREAT SOLUTIONS!