Solid carbide HPC end mill

4 cutting edges, ULTRA MS-coated

ATORN®

Application

HPC end mill with uneven helical and uneven pitch for rough machining and finish machining of stainless steel, titanium alloy, nickel and copper alloys. The uneven helical pitch means that vibrations on the tool are reduced, which results in outstanding finished surfaces, while, at the same time, feed rates and cutting depths can be increased.

Version

- ultra-fine grain cemented carbide
- with uneven helical and cutter distribution (35/38°)
- HA straight shank
- with clearance
- high-performance ULTRA MS layer
- with edge protection chamfer
- defined cutting edge rounding
- centre cutting

Advantage

- rough machining and finishing with just one tool
- optimum suitability for trochoidal milling
- HPC geometry for maximum feed rates and running smoothness
- suitable for large cutting depths

Application	Steel (N/mm²)			Stainless steel		Alu		Brass		Bronze		Plas-tics	Graphite G(C)FK	GG(G) GjMW	Titan-alloy	Nickel-alloy	Super-alloy	Hard mat.	
	<700	<1000	<1300	marten.	austen.	short	long	short	long	short	long							<55 HRC	<65 HRC
	140	130		70	60										70	60	70		

Art. no.	*16670 288*
Cutting material	VHM
Surface	ULTRA MS
Type	VA
Number of cutting edges	4 PCS
Twist angle	35°, 38°
Tool holding device	HA parallel shank
Overall length	Normal
Cutting edge diameter	16 mm
Cutting edge length	32 mm
Clearance length	46 mm
Length	92 mm
Edge protection chamfer length	0.3 mm
Clearance diameter	15 mm
Shaft diameter	16 mm
fz stainless steel	0.065 mm
Overall stainless steel suitability	1
fitness not iron total	2
fitness Titan/Nickel/Super total	1

EAN-Code

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