

Multi-range thread milling cutter with 45° countersink, solid carbide straight shank HA

For universal use up to 1500 N/mm², in female thread 1.5xD

ATORN®

Application

For producing metric right-hand threads and left-hand threads with countersink on CNC machines in blind holes and through holes, in steel, stainless steel, non-ferrous metals, cast iron and special alloys material groups up to a strength of 1500 N/mm² in single-part production and series production.



Version

- Precision-ground thread milling cutter with chamfer for maximum requirements in terms of process reliability and service life

Advantage

- Innovative cutting geometry and coating technology ensure very high degree of dimensional accuracy, process reliability and chip removal
- High-quality cutting material and cutting edge treatment for very high service life requirements
- Low tool costs thanks to high variability in the thread diameter, just one tool required for right-hand thread and left-hand thread
- Significantly optimised process times, as bore and countersink are produced in one step

Application	Steel (N/mm ²)			Stainless steel		Alu		Brass		Bronze		Plastics	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
	120	90	70	50	40	250	250	220	220			180	160		40	30	30		

Art. No.	13496 016
Cutting material	VHM
Surface	TiAlN
Hole type	Clearance/blind hole ≤ 1.5xD
Coolant supply	Internal
Tool holding device	HA parallel shank
Suitable for thread type	M, M-L
Nominal diameter	16 mm
Pitch	2 mm
Length	102 mm
Cutting edge length	26.95 mm
Countersunk length	28.6 mm
Countersink diameter	17.5 mm
Shaft diameter	18 mm
Number of cutting edges	4 PCS
f steel 1000	0.1 mm/r

EAN-Code

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