

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

For universal use up to 1500 N/mm<sup>2</sup>, in female thread 2.0xD

**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/mm<sup>2</sup> 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 <sup>2</sup> )			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		

<b>Art. No.</b>	<b>13496 051</b>
<b>Cutting material</b>	VHM
<b>Surface</b>	TiAlN
<b>Hole type</b>	Clearance/blind hole ≤ 2xD
<b>Coolant supply</b>	Internal
<b>Tool holding device</b>	HA parallel shank
<b>Suitable for thread type</b>	M, M-L
<b>Nominal diameter</b>	5 mm
<b>Pitch</b>	0.8 mm
<b>Length</b>	54 mm
<b>Cutting edge length</b>	10.77 mm
<b>Countersunk length</b>	11.5 mm
<b>Countersink diameter</b>	5.5 mm
<b>Shaft diameter</b>	6 mm
<b>Number of cutting edges</b>	3 PCS
<b>f steel 1000</b>	0.03 mm/r

### EAN-Code

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