

Conical countersink, 90°, solid carbide, multi-flute cutter

For universal use up to 60 HRC

ATORN®

Application

For countersinking 90° in the material groups steel, stainless steel, (non-ferrous metals), (cast materials) and special alloys up to a strength of 60 HRC.

Version

- profile-ground multi-edge countersink with radial relief

Advantage

- excellent service life characteristics in Hardox 400 and 500, Creusabro, Inconel, Nimonic, Hastelloy, Monel, manganese-hardened steel, hardened steels up to 60 HRC, titanium and titanium alloy materials
- innovative and patented cutter geometry with a large number of cutters ensures excellent cutting performance and good surface qualities



Application	Steel (N/mm ²)			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
	60	50	30	20	15	120	150		90	90	70			4	20	20	20	10	7

Art. No.	11535 165
Countersink angle	90 Degree
Cutting material	Carbide
Surface	Uncoated
Number of cutting edges	5 PCS
Tool holding device	HA parallel shank
Spot-facer diameter	16.5 mm
Tip diameter	4.5 mm
Length	60 mm
Shaft diameter	10 mm
f steel 1300	0.06 mm/r

EAN-Code

4050293069433