

High-feed drill solid carbide TiAlNplus HPC 5xD with internal cooling HA

For use in steel and casting materials

ATORN®



Application

Designed for use with very high feeds on stable and high-performance machines

Version

- 3-edge drill
- 4 grinding surfaces with concave main cutting edge
- 3 drill heels
- 30° spiral angle

Advantage

- Up to 50% higher productivity compared to dual-edge drill bits
- Perfectly round holes combined with excellent self-centring behaviour, even on uneven surfaces
- Extremely high feed rates thanks to the special cutting geometry
- Polished chip spaces and optimised tapered core rejuvenation ensure perfect chip removal
- Minimum burr formation at hole exit thanks to the 135° tip angle

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
	140	110	90	60	50									130					

Art. No.	11131 110
Cutting edge diameter	11 mm
Tolerance of cutting edge diameter	h7
Cutting material	VHM
Surface	TiAlN plus
Max. drilling depth (D)	5xD
Type	HPC UNI
Coolant supply	Internal
Tool holding device	HA parallel shank
Angle of the tip	135 Degree
Shaft diameter	12 mm
Chip flute length	71 mm
Length	118 mm
f steel 1000	0.52 mm/r
DIN	6537

EAN-Code

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