

High-performance drill, solid carbide TiAlN + TiN HPC 5xD with internal cooling HB

For steel and cast machining up to 63 HRC

ATORN®



Application

For HPC boring up to a hardness of 63 HRC.

Version

- High-performance drill, solid carbide TiAlN+TiN
- 2 drill heels
- Four grinding faces
- 30° spiral angle
- Straight main cutting edge

Advantage

- Innovative cutting geometry with straight cutting edge for use in steel and cast iron with high cutting rates and very high service life
- Multilayer TiAlN coating with one TiN surface layer ensures outstanding service life and user-friendly wear detection
- Cutting edge preparation minimises micro-fractures on the cutter

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
	130		90			230		110					○	110	40	40	30	20	10

Art. No.	11172 094
Cutting edge diameter	9.4 mm
Tolerance of cutting edge diameter	m7
Cutting material	VHM
Surface	TiAlN/TiN
Max. drilling depth (D)	5xD
Type	HPC UNI
Coolant supply	Internal
Tool holding device	HB parallel shank
Angle of the tip	140 Degree
Shaft diameter	10 mm
Chip flute length	61 mm
Length	103 mm
f steel 1000	0.2 mm/r
DIN	6537

EAN-Code

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