

High-performance deep hole drill, solid carbide TiAlN HPC 20xD with internal cooling HA

For universal use up to 1300 N/mm²

ATORN[®]



Application

For HPC deep-hole boring up to a strength of 1300 N/mm².

Version

- High-performance deep hole drill, solid carbide TiAlN
- 4 drill heels
- Four grinding faces
- 30° spiral angle
- Straight main cutting edge

Advantage

- very good all-round properties and precise cutting performance with high cutting rates
- unique, extremely hard, low-friction, temperature-resistant and form-fitting TiAlN coating ensures a longer service life
- Cutting edge preparation minimises micro-fractures on the cutter
- the entire range is coordinated in terms of angle and diameter

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
	90	75	65	35	30		250	180	160	160	130			80	35	30	30		

Art. No.	11181 048
Cutting edge diameter	4.8 mm
Tolerance of cutting edge diameter	h7
Cutting material	VHM
Surface	TiAlN
Max. drilling depth (D)	20xD
Type	HPC UNI
Coolant supply	Internal
Tool holding device	HA parallel shank
Angle of the tip	135 Degree
Shaft diameter	6 mm
Chip flute length	120 mm
Length	160 mm
f steel 1000	0.08 mm/r

EAN-Code

4050293368666