

## High-performance drill, solid carbide TiAlNplus HPC 5xD without internal cooling HA

for universal use up to 1300 N/mm<sup>2</sup>

**ATORN**<sup>®</sup>



### Application

for HPC boring up to a strength of 1300 N/mm<sup>2</sup>

### Version

- solid carbide TiAlNplus high-performance drill
- 2 drill heels
- Cone polished section
- 30° spiral angle
- Straight main cutting edge

### Advantage

- economic drilling in a wide variety of materials with high cutting values
- newly developed geometry in conjunction with a multi-layer coating individually tailored to drilling ensures significantly longer service lives
- Cutting edge finishing reduces micro-fractures and increases the service life

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
	135	110	90	35	30	210	260	230	180	160	130	60		110	40	35	30		

<b>Art. No.</b>	<b>11107019</b>
<b>Cutting edge diameter</b>	1.9 mm
<b>Tolerance of cutting edge diameter</b>	h7
<b>Cutting material</b>	VHM
<b>Surface</b>	TiAlN plus
<b>Max. drilling depth (D)</b>	5xD
<b>Type</b>	HPC UNI
<b>Coolant supply</b>	External
<b>Tool holding device</b>	HA parallel shank
<b>Angle of the tip</b>	140 Degree
<b>Shaft diameter</b>	4 mm
<b>Chip flute length</b>	16 mm
<b>Length</b>	55 mm
<b>f steel 1000</b>	0.033 mm/r
<b>DIN</b>	6537

### EAN-Code

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