

## High-performance reamer, solid carbide TiALN

With cast steel geometry for use up to 1300 N/mm<sup>2</sup>

**ATORN**<sup>®</sup>



### Application

for cutting fit tolerances **in blind holes** on modern CNC machines with steady tool and workpiece clamping up to 1300 N/mm<sup>2</sup>.

### Version

- Straight grooved with extremely variable pitch and internal cooling, **type A**

### Advantage

- innovative cutting geometry ensures excellent dimensional accuracy and process reliability for very high cutting parameters
- high-quality solid carbide cutting material and coating ensure a very long service life
- inner cooling ensures optimum transport of chippings

Application	Steel (N/mm <sup>2</sup> )			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
	135	125	120																

<b>Art. No.</b>	<b>11781 219</b>
<b>Coolant supply</b>	Internal
<b>Cutting material</b>	VHM
<b>Surface</b>	TiALN
<b>Type</b>	UNI HPC
<b>Groove type</b>	Straight
<b>Tool holding device</b>	HA parallel shank
<b>Cutting edge diameter</b>	11.00 mm
<b>Length</b>	120 mm
<b>Cutting edge length</b>	20 mm
<b>Projecting length</b>	73 mm
<b>Shaft diameter</b>	12 mm
<b>Number of cutting edges</b>	6 PCS
<b>f steel 1300</b>	0.6 mm/U
<b>Tolerance of fit</b>	0 / +0,005 mm

### EAN-Code

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