

## HSS 60° conical countersink, three flutes, extremely uneven pitch

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

**ATORN**<sup>®</sup>

### Application

For producing 60° counterbores up to 1300 N/mm<sup>2</sup>.

### Version

- Profile-ground triple-edge countersink with radial relief, with extremely uneven pitch

### Advantage

- Radial relief ensures optimum chip breaking
- Uneven pitch ensures excellent surfaces without chatter marks and minimisation of cutting forces
- 3-sided shaft ensures very good power transmission and prevents the tool from spinning in the drill chuck or even in the cordless drill



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
	40	30	12	15	15	40	50	40	40	40	40	40		20	10			6	

<b>Art. no.</b>	<b>11501 221</b>
<b>Countersink angle</b>	60 Degree
<b>Cutting material</b>	HSS
<b>Surface</b>	TiN/ZrN
<b>Number of cutting edges</b>	3 PCS
<b>Tool holding device</b>	Parallel shank with three tightening surfaces
<b>Spot-facer diameter</b>	10 mm
<b>Tip diameter</b>	2.5 mm
<b>Shaft diameter</b>	6 mm
<b>Length</b>	50 mm
<b>f steel 700</b>	0.1 mm/r
<b>DIN</b>	334

### EAN-Code

4050293623734