

## HSS 90° conical countersink, triple-fluted, extremely uneven pitch with 3-surface shaft

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

**ATORN**<sup>®</sup>

### Application

For producing 90° 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 cordless drill



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

<b>Art. No.</b>	<b>11501 681</b>
<b>Countersink angle</b>	90 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>	19 mm
<b>Tip diameter</b>	3.5 mm
<b>Shaft diameter</b>	10 mm
<b>Length</b>	63 mm
<b>f steel 700</b>	0.14 mm/U
<b>DIN</b>	335

### EAN-Code

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