

**High-performance drill bit, solid carbide TiAlSiN HPC 3xD, no IC, HA**  
for hard machining up to 65 HRC

**ATORN®**



**Application**

for HPC boring up to 65 HRC

**Version**

- 2 drill heels
- 30° spiral angle
- Convex main cutting edge

**Advantage**

- high centring accuracy
- special coating for drilling hardened steels up to 65 HRC
- extremely hard, low-friction and temperature-resistant TiAlN coating for longer service life
- Reinforced core with special tip and cutting chisel edge
- No internal coolant feed for higher stability

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
	80	65	40											70				28	14

<b>Art. No.</b>	<b>11154 013</b>
<b>Cutting edge diameter</b>	1.3 mm
<b>Tolerance of cutting edge diameter</b>	h7
<b>Cutting material</b>	VHM
<b>Surface</b>	TiAlSiN
<b>Max. drilling depth (D)</b>	3xD
<b>Type</b>	HPC HARD
<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>	7 mm
<b>Length</b>	45 mm
<b>f hard 65 HRC</b>	0.04 mm/r
<b>DIN</b>	6537

**EAN-Code**

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