

Twist drill type UNI/VA HSSE-V3 TiAlN 3xD
for universal use up to 1300 N/mm²

ATORN®



Application

Universal use in all material groups up to a strength of 1300 N/mm²

Version

- Twist drill with unified shaft
- Diameter 1.00 mm–1.90 mm = tip angle 140°
- Diameter 2.00 mm–4.00 mm = tip angle 130°
- Diameter 4.10 mm–20.0 mm = tip angle 120°
- 2 drill heels
- 38° to 40° spiral angle
- Straight main cutting edge

Advantage

- Drilling without centring
- Problem solver in low-performance machines without internal cooling in high-strength steels and stainless steels
- Extremely hard, low-friction and temperature-resistant TiAlN coating for longer life
- Very high feed rates can be achieved

Application	Steel (N/mm ²)			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
	55	35	25	20	15	55	85	70	45	40	30	40		40	10	10	10		

Art. No.	11036 299
Cutting edge diameter	9.9 mm
Tolerance of cutting edge diameter	h8
Cutting material	HSSE V3
Surface	TiAlN
Max. drilling depth (D)	3xD
Type	VA
Coolant supply	External
Tool holding device	HA parallel shank
Angle of the tip	120 Degree
Shaft diameter	10 mm
Chip flute length	43 mm
Length	89 mm
f steel 1000	0.21 mm/U

EAN-Code

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