


Solid carbide ball nose slot drill, TiAlN, Ø DC: 20mm

Order data

Order number	207125 20
GTIN	4045197126436
Item class	12X

Technical description

Cutting edge Ø D _c	20 mm
Feed f _z for side milling in steel < 900 N/mm ²	0.12 mm
No. of teeth Z	2
Feed f _z for copy milling in steel < 900 N/mm ²	0.135 mm
Shank Ø D _s	20 mm
Overall length L	92 mm
Flute length L _c	26 mm
Helix angle	30 degrees
Radius R	10 mm
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Tolerance nominal Ø	h10
Direction of infeed	horizontal, oblique and vertical
Cutting width a _e for milling operation	0.05×D for copy milling
Cutting width a _e for milling operation	0.05×D for side milling

Shank	DIN 6535 HA to h6
Through-coolant	no
Colour ring	without
Type of product	Ball-nosed slot drill

User data

	Suitability	V _c	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	350 m/min	N
Alu > 10% Si	suitable only under restricted conditions	250 m/min	N
Steel < 500 N/mm ²	suitable	160 m/min	P
Steel < 750 N/mm ²	suitable	140 m/min	P
Steel < 900 N/mm ²	suitable	130 m/min	P
Steel < 1100 N/mm ²	suitable	80 m/min	P
Steel < 1400 N/mm ²	suitable	70 m/min	P
Steel < 55 HRC	suitable	50 m/min	H
INOX < 900 N/mm ²	suitable	80 m/min	M
INOX > 900 N/mm ²	suitable only under restricted conditions	70 m/min	M
GG(G)	suitable	120 m/min	K
CuZn	suitable only under restricted conditions	320 m/min	N
Uni	suitable		
wet maximum	suitable		
wet minimum	suitable only under restricted conditions		
dry	suitable only under restricted conditions		
Air	Suitable only under restricted conditions		

Services

Shank grinding Type HB

129100 HB