

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

Order data

Order number	207106 20
GTIN	4045197540539
Item class	11X

Technical description

No. of teeth Z	2
Cutting edge Ø D _c	20 mm
Overhang length L ₁ incl. recess	40 mm
Feed f _z for side milling in steel < 900 N/mm ²	0.12 mm
Feed f _z for copy milling in steel < 900 N/mm ²	0.135 mm
Recess Ø D ₁	19.7 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	uncoated
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Tolerance nominal Ø	e8
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
Alu plastics	suitable only under restricted conditions	230 m/min	N
Aluminium (short chipping)	suitable only under restricted conditions	180 m/min	N
Alu > 10% Si	suitable only under restricted conditions	140 m/min	N
Steel < 500 N/mm ²	suitable	90 m/min	P
Steel < 750 N/mm ²	suitable	80 m/min	P
Steel < 900 N/mm ²	suitable	70 m/min	P
Steel < 1100 N/mm ²	suitable	45 m/min	P
INOX < 900 N/mm ²	suitable	40 m/min	M
INOX > 900 N/mm ²	suitable only under restricted conditions	35 m/min	M
GG(G)	suitable	70 m/min	K
CuZn	suitable only under restricted conditions	160 m/min	N
Uni	suitable		
wet maximum	suitable		
wet minimum	suitable only under restricted conditions		

Services

Shank grinding Type HB

129100 HB