HOLEX

Solid carbide ball nose slot drill, TiAlN, ∅ h10 DC: 12mm

Order data

Order number	207154 12
GTIN	4062406265724
Item class	12X

Description

Note:
Successor product to No. 207155.

Technical description

Cutting edge ∅ D_C	12 mm
Shank ∅ D_s	12 mm
Feed f_z for side milling in steel < 900 N/mm^2	0.08 mm
Overall length L	100 mm
Feed f_z for copy milling in steel < 900 N/mm^2	0.09 mm
No. of teeth Z	2
Flute length L_c	16 mm
Helix angle	30 degrees
Radius R	6 mm
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Tolerance nominal ∅	h10
Direction of infeed	horizontal, oblique and vertical

Cutting width a_e for milling operation	Full slot cutting depth 1×D
Cutting width a_e for milling operation	0.05×D for copy 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/mm²	suitable only under restricted conditions	160 m/min	P
Steel < 750 N/mm²	suitable only under restricted conditions	140 m/min	P
Steel < 900 N/mm²	suitable	130 m/min	P
Steel < 1100 N/mm²	suitable	80 m/min	P
Steel < 1400 N/mm²	suitable only under restricted conditions	70 m/min	P
Steel < 55 HRC	suitable only under restricted conditions	50 m/min	H
INOX < 900 N/mm²	suitable	80 m/min	M
INOX > 900 N/mm²	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