

Garant
Solid carbide ball nose slot drill, uncoated, Ø f8 DC: 12mm

Order data

Order number	207135 12
GTIN	4045197126504
Item class	11X

Description
Version:

Full radius ball nose slot drill with long main flutes.

Technical description

Feed f_z for copy milling in steel $< 900 \text{ N/mm}^2$	0.09 mm
Feed f_z for side milling in steel $< 900 \text{ N/mm}^2$	0.08 mm
Cutting edge $\varnothing D_c$	12 mm
No. of teeth Z	2
Shank $\varnothing D_s$	12 mm
Overall length L	100 mm
Flute length L_c	45 mm
Helix angle	30 degrees
Radius R	6 mm
Coating	uncoated
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Tolerance nominal \varnothing	f8
Direction of infeed	horizontal, oblique and vertical

Cutting width a_e for milling operation	0.3×D for side 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
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
------------------------	-----------

