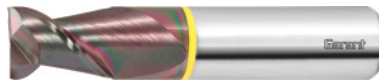


Garant
Solid carbide slot drill DIN 6535 HA, DLC, Ø DC: 12mm

Order data

Order number	201170 12
GTIN	4045197585196
Item class	11X

Description
Version:

Stronger cutting edges.

Dimensions similar to DIN 6527.

With the latest generation of **DLC coating sp²**.

Technical description

Feed f_z for slot milling in short-chipping aluminium	0.05 mm
Recess $\varnothing D_1$	11.7 mm
No. of teeth Z	2
Overhang length L_1 incl. recess	26 mm
Cutting edge $\varnothing D_c$	12 mm
Corner chamfer width at 45°	0.1 mm
Feed f_z for side milling in short-chipping aluminium	0.07 mm
Shank $\varnothing D_s$	12 mm
Overall length L	73 mm
Flute length L_c	16 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HA to h6
Tolerance nominal \varnothing	e8

Helix angle	45 degrees
Corner chamfer angle	45 degrees
Coating	DLC
Tool material	Solid carbide
Standard	DIN 6527
Type	W
Cutting width a_e for milling operation	0.5×D for side milling
Cutting width a_e for milling operation	Full slot cutting depth 1×D
Through-coolant	no
Colour ring	yellow
Type of product	End / face mill

User data

	Suitability	V_c	ISO code
Aluminium	Suitable	480 m/min	N
Aluminium (short chipping)	suitable	440 m/min	N
Alu > 10% Si	suitable	400 m/min	N
PMMA acrylic	Suitable	200 m/min	N
PE-HD	Suitable	160 m/min	N
PA 66	Suitable	200 m/min	N
PEEK	Suitable	150 m/min	N
PF 31	Suitable	130 m/min	N
PVDF GF20	suitable	180 m/min	N
POM GF25	suitable	160 m/min	N
PA 66 GF30	suitable	150 m/min	N
PEEK GF30	suitable	130 m/min	N
PTFE CF25	suitable	160 m/min	N

Honeycomb sandwich	suitable only under restricted conditions	300 m/min	N
Cu	Suitable	160 m/min	N
CuZn	Suitable	200 m/min	N
wet maximum	suitable		
wet minimum	suitable		
dry	suitable only under restricted conditions		
Air Services	suitable		
Shank grinding Type HB		129100 HB	