

Garant
GARANT Master Alu solid carbide slot drill DIN 6535 HA, DLC, Ø DC: 12mm

Order data

Order number	201260 12
GTIN	4062406282011
Item class	11X

Description
Version:

Stronger cutting edges.

Dimensions similar to DIN 6527.

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

Advantage:

Very smooth cutting action for **outstanding surface quality**.

Technical description

No. of teeth Z	2
Shank Ø D _s	12 mm
Feed f _z for side milling in short-chipping aluminium	0.15 mm
Feed f _z for slot milling in short-chipping aluminium	0.1 mm
Overall length L	83 mm
Balance quality with shank	G 2.5 with HA
Helix angle	38 degrees
Flute length L _c	26 mm
Recess Ø D ₁	11.7 mm
Cutting edge Ø D _c	12 mm
Tolerance nominal Ø	e6
Corner chamfer angle	90 degrees

Shank	DIN 6535 HA to h6
Direction of infeed	horizontal, oblique and vertical
Overhang length L_1 incl. recess	36 mm
Series	Master Alu
Coating	DLC
Tool material	Solid carbide
Standard	DIN 6527
Type	W
Cutting width a_e for milling operation	$0.5 \times D$ for side milling
Cutting width a_e for milling operation	Full slot cutting depth $1 \times D$
Through-coolant	no
Colour ring	yellow
Type of product	End / face mill

User data

	Suitability	V_c	ISO code
Aluminium	Suitable	550 m/min	N
Aluminium (short chipping)	suitable	500 m/min	N
Alu > 10% Si	suitable	450 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	suitable		