

**Garant**
**Solid carbide semi-roughing slot drill MTC, DLC, Ø e8 DC: 12mm**

**Order data**

Order number	205081 12
GTIN	4045197766991
Item class	11X

**Description**
**Version:**

With the latest generation of **DLC coating sp<sup>2</sup>**.

Stable and sharp cutting edges. Dimensions similar to DIN 6527.

**Application:**

Especially for **MTC (Multi Task Cutting)** use on the new generation of turning / milling centres.

**Technical description**

Cutting edge Ø D <sub>c</sub>	12 mm
Shank	DIN 6535 HA to h6
No. of teeth Z	2
Shank Ø D <sub>s</sub>	12 mm
Flute length L <sub>c</sub>	28 mm
Feed f <sub>z</sub> for slot milling in short-chipping aluminium	0.05 mm
Tolerance nominal Ø	e8
Feed f <sub>z</sub> for side milling in short-chipping aluminium	0.07 mm
Direction of infeed	horizontal, oblique and vertical
Overall length L	83 mm
Helix angle	45 degrees
Corner chamfer angle	90 degrees
Coating	DLC

Tool material	solid carbide
Standard	DIN 6527
Milling profile	WF
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
Machining strategy	MTC
Colour ring	yellow
Type of product	End / face mill

### User data

	Suitability	$V_c$	ISO code
Alu plastics	suitable	330 m/min	N
Aluminium (short chipping)	suitable	300 m/min	N
Alu > 10% Si	suitable	230 m/min	N
CuZn	suitable only under restricted conditions	260 m/min	N
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
------------------------	-----------