

**Garant**
**Solid carbide chamfering cutter 90°, uncoated, Ø e8 DC: 5mm**

**Order data**

Order number	208070 5
GTIN	4045197129109
Item class	11X

**Description**
**Version:**

**Tolerance:** Point angle  $\pm 1^\circ$ .

**Application:**

- Slot milling
- Countersinking
- Milling
- Can also be used as a NC spotting drill.

**Note:**

For **HB** shanks use order **No. 208071**.

HB shanks are available at the same price as HA.

**Technical description**

No. of teeth Z	2
Feed $f_z$ for side milling in steel $< 900 \text{ N/mm}^2$	0.02 mm
Cutting edge $\varnothing D_c$	5 mm
Shank $\varnothing D_s$	6 mm
Flute length $L_c$	13 mm
Overall length L	57 mm
Shank	DIN 6535 HA to h6
Corner chamfer angle	45 degrees
Chamfer mill	45 degrees

Coating	uncoated
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Tolerance nominal $\varnothing$	e8
Helix angle	30 degrees
Cutting width $a_e$ for milling operation	0.5×D for side milling
Countersink tip angle	90 degrees
Through-coolant	no
Shank tolerance	h6
Colour ring	without
Type of product	Indexable end mill

## User data

	Suitability	$V_c$	ISO code
Alu plastics	suitable	180 m/min	N
Aluminium (short chipping)	suitable	140 m/min	N
Alu > 10% Si	suitable	105 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable	70 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	60 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	55 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	35 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable	40 m/min	M
GG(G)	suitable	55 m/min	K
Uni	suitable		
wet maximum	suitable		
wet minimum	suitable only under restricted conditions		

Air

Suitable only under  
restricted conditions

**Services**

Shank grinding Type HB

129100 HB