

**Garant**
**Solid carbide milling cutter, uncoated, Ø e8 DC: 5mm**

**Order data**

Order number	202810 5
GTIN	4045197662637
Item class	11X

**Description**
**Version:**

Double relief ground side clearance angle.

**Technical description**

No. of teeth Z	4
Feed $f_z$ for slot milling in steel < 900 N/mm <sup>2</sup>	0.02 mm
Shank form	HA
Feed $f_z$ for side milling in steel < 900 N/mm <sup>2</sup>	0.023 mm
Corner chamfer width at 45°	0.05 mm
Cutting edge Ø D <sub>c</sub>	5 mm
Shank Ø D <sub>s</sub>	5 mm
Overall length L	75 mm
Flute length L <sub>c</sub>	20 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HA to h6
Tolerance nominal Ø	e8
Helix angle	35 degrees
Corner chamfer angle	45 degrees
Coating	uncoated

Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Cutting width $a_e$ for milling operation	$0.3 \times D$ for side milling
Through-coolant	no
Colour ring	without
Type of product	End / face mill

### User data

	Suitability	$V_c$	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	140 m/min	N
Alu > 10% Si	suitable only under restricted conditions	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
Steel < 1400 N/mm <sup>2</sup>	suitable	30 m/min	P
Steel < 55 HRC	suitable only under restricted conditions	25 m/min	H
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		