

**Garant**
**End mill, uncoated, Ø k10 DC: 20mm**

**Order data**

Order number	191620 20
GTIN	4045197104069
Item class	11W

**Description**
**Version:**

Multi-flute end mill. End face recessed.

**Advantage:**

Particularly for machining at recessed or difficult to access places or for milling deep opened ended pockets in one operation.

**Technical description**

No. of teeth Z	5
Feed $f_z$ for slot milling in steel < 750 N/mm <sup>2</sup>	0.045 mm
Cutting edge Ø $D_c$	20 mm
Shank Ø $D_s$	20 mm
Overall length L	180 mm
Flute length $L_c$	110 mm
Direction of infeed	horizontal and oblique
Shank	DIN 1835 B to h6
Tolerance nominal Ø	k10
Helix angle	30 degrees
Corner chamfer angle	90 degrees
Coating	uncoated
Tool material	HSS Co 8

Type	N
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	83 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable	28 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	23 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable only under restricted conditions	23 m/min	P
GG(G)	suitable only under restricted conditions	23 m/min	K
CuZn	suitable only under restricted conditions	55 m/min	N
Uni	suitable		
wet maximum	suitable		