

Garant**High performance end mill, uncoated, Ø js12 DC: 13mm****Order data**

Order number	191870 13
GTIN	4045197105745
Item class	11W

Description**Version:**

Multi-flute mills **with ground chip breaker on flutes.**

End cutting teeth for plunging.

Special surface treatment.

Advantage:

Applicable as finishing cutter with particularly high cutting performance.

Technical description

Feed f_z for slot milling in steel $< 750 \text{ N/mm}^2$	0.04 mm
No. of teeth Z	4
Cutting edge Ø D_c	13 mm
Shank Ø D_s	16 mm
Overall length L	110 mm
Flute length L_c	55 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 1835 B to h6
Tolerance nominal Ø	js12
Helix angle	30 degrees
Corner chamfer angle	90 degrees
Coating	uncoated

Tool material	HSS Co 8
Standard	Manufacturer's standard
Milling profile	NF
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 ²	suitable	28 m/min	P
Steel < 750 N/mm ²	suitable	23 m/min	P
Steel < 900 N/mm ²	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		