

Garant
Semi-roughing end mill, uncoated, Ø k10 DC: 20mm

Order data

Order number	191640 20
GTIN	4045197104397
Item class	11W

Description
Version:
Universal end mill with relief ground semi-roughing profile.

Centre cutting teeth for plunging.

Eccentric relief ground.

Universal cutting edge geometry.

Technical description

Corner chamfer width at 45°	0.5 mm
Feed f_z for slot milling in steel < 750 N/mm ²	0.07 mm
Cutting edge Ø D_c	20 mm
No. of teeth Z	3
Shank Ø D_s	20 mm
Overall length L	104 mm
Flute length L_c	38 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 1835 B to h6
Tolerance nominal Ø	k10
Helix angle	25 degrees
Corner chamfer angle	45 degrees
Coating	uncoated

Tool material	HSS Co 8
Standard	DIN 844 B
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	30 m/min	P
Steel < 750 N/mm ²	suitable	25 m/min	P
Steel < 900 N/mm ²	suitable only under restricted conditions	25 m/min	P
CuZn	suitable only under restricted conditions	55 m/min	N
Uni	suitable		
wet maximum	suitable		