

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



Order data

Order number	191700 20		
GTIN	4045197104656		
Item class	11W		

Description

Version:

Relief ground truncated-type roughing profile.

Centre cutting teeth for plunging.

The wide tooth lands can be re-ground frequently without losing the profile.

Universal cutter for profile milling or for plunging.

Advantage:

Compared to multi-flute cutters, better chip evacuation due to larger flutes.

Technical description

Corner chamfer width at 45°	0.5 mm		
Feed f_z for slot milling in steel < 750 N/mm ²	0.06 mm		
Cutting edge Ø D _C	20 mm		
No. of teeth Z	3		
Shank Ø D₅	20 mm		
Overall length L	141 mm		
Flute length L _c	75 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	\mathbf{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	Р
Steel < 750 N/mm ²	suitable	25 m/min	Р
Steel < 900 N/mm ²	suitable only under restricted conditions	25 m/min	Р
GG(G)	suitable only under restricted conditions	23 m/min	К
CuZn	suitable only under restricted conditions	55 m/min	N
Uni	suitable only under restricted conditions		
wet maximum	suitable		