

Garant
Roughing end mill HSS-Co8, uncoated, Ø k12 DC: 20mm

Order data

Order number	192600 20
GTIN	4045197107077
Item class	11W

Description
Version:

With relief ground knuckle profile. The wide teeth lands permit multiple re-grinding without losing the profile.

Up to size 20 end cutting teeth profile for plunging.

Technical description

No. of teeth Z	4
Feed f_z for slot milling in steel $< 750 \text{ N/mm}^2$	0.031 mm
Corner chamfer width at 45°	0.5 mm
Cutting edge $\varnothing D_c$	20 mm
Shank $\varnothing D_s$	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 \varnothing	k12
Helix angle	30 degrees
Corner chamfer angle	45 degrees
Coating	uncoated

Tool material	HSS Co 8
Standard	DIN 844 B
Milling profile	NR
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	25 m/min	P
Steel < 1100 N/mm ²	suitable only under restricted conditions	12 m/min	P
GG(G)	suitable only under restricted conditions	23 m/min	K
Uni	suitable		
wet maximum	suitable		