

Garant
Roughing end mill HSS-Co8, uncoated, Ø js12 DC: 20mm

Order data

Order number	192400 20
GTIN	4045197105981
Item class	11W

Description
Version:
Relief ground knuckle form profile.

Centre cutting teeth for plunging.

Universal end mills for profile milling or for plunging.

Advantage:

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

Cutting edge Ø D _c	20 mm
Feed f _z for slot milling in steel < 750 N/mm ²	0.05 mm
Corner chamfer width at 45°	0.6 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	js12
Helix angle	25 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	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		