

## Garant

### Roughing end mill HSS-Co8, uncoated, $\varnothing$ js14 DC: 22mm



#### Order data

Order number	192520 22
GTIN	4045197106728
Item class	11W

#### Description

##### Version:

##### Relief ground knuckle form profile.

Centre cutting teeth for plunging.

- **Wide, precision ground chip flutes.**
- **Special chip angle for aluminium and non-ferrous metals.**

##### Advantage:

Suitable **for high machining volumes** due to the large flutes.

#### Technical description

Corner chamfer width at 45°	0.5 mm
No. of teeth Z	3
Cutting edge $\varnothing D_c$	22 mm
Feed $f_z$ for slot milling in short-chipping aluminium	0.08 mm
Shank $\varnothing D_s$	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 $\varnothing$	js14
Helix angle	36 degrees
Corner chamfer angle	45 degrees

Coating	uncoated
Tool material	HSS Co 8
Standard	DIN 844 B
Milling profile	WR
Through-coolant	no
Colour ring	yellow
Type of product	End / face mill

### User data

	Suitability	$V_c$	ISO code
Alu plastics	suitable	138 m/min	N
Aluminium (short chipping)	suitable	83 m/min	N
INOX < 900 N/mm <sup>2</sup>	suitable only under restricted conditions	9 m/min	M
wet maximum	suitable		
dry	suitable only under restricted conditions		