

**Garant**
**End mill HSS-Co8, uncoated, Ø k10 DC: 11,5mm**

**Order data**

Order number	191500 11,5
GTIN	4045197102935
Item class	11W

**Description**
**Version:**

Multi-flute end mill. **Eccentric relief ground.**  
Centre cutting edge geometry for plunging.

**Technical description**

Feed $f_z$ for slot milling in steel $< 750 \text{ N/mm}^2$	0.025 mm
No. of teeth Z	4
Cutting edge $\varnothing D_c$	11.5 mm
Shank $\varnothing D_s$	12 mm
Overall length L	79 mm
Flute length $L_c$	22 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 1835 B to h6
Tolerance nominal $\varnothing$	k10
Helix angle	30-40 degrees
Corner chamfer angle	90 degrees
Coating	uncoated
Tool material	HSS Co 8
Standard	DIN 844 B

Type	N
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 <sup>2</sup>	suitable	30 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	25 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable only under restricted conditions	25 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		