

Garant
Roughing end mill HSS-Co8, TiAlN, Ø k12 DC: 12mm

Order data

Order number	192605 12
GTIN	4067263117384
Item class	11W

Description
Version:

Sizes 6M to 25M – **MID mills**. Dimensions to **factory standard, between** DIN 844 **short** and DIN 844 **long**.

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

End face geometry for plunging and unequal spacing of the teeth.

Technical description

Corner chamfer width at 45°	0.5 mm
Flute length L_c	26 mm
Shank	DIN 1835 B to h6
Tolerance nominal \varnothing	k12
Direction of infeed	horizontal, oblique and vertical
Helix angle	30 degrees
Shank $\varnothing D_s$	12 mm
Corner chamfer angle	45 degrees
Overall length L	83 mm
Cutting edge $\varnothing D_c$	12 mm
Feed f_z for slot milling in steel < 750 N/mm ²	0.021 mm
No. of teeth Z	4

Coating	TiAlN
Tool material	HSS Co 8
Standard	DIN 844 B
Milling profile	NR
Spacing of the cutters	unequal spacing
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	120 m/min	N
Steel < 500 N/mm ²	suitable	781 m/min	P
Steel < 750 N/mm ²	suitable	55 m/min	P
Steel < 900 N/mm ²	suitable	55 m/min	P
Steel < 1100 N/mm ²	suitable	29 m/min	P
Steel < 1400 N/mm ²	suitable only under restricted conditions	25 m/min	P
INOX < 900 N/mm ²	suitable	17 m/min	M
INOX > 900 N/mm ²	suitable	14 m/min	M
GG(G)	suitable only under restricted conditions	46 m/min	K
CuZn	suitable only under restricted conditions	90 m/min	N
Uni	suitable		
wet maximum	suitable		
dry	suitable only under restricted conditions		

