



## HOLEX Pro Steel solid carbide roughing end mill HPC, TiAlN, Ø d11 DC: 4mm



### Order data

Order number	205706 4
GTIN	4062406262433
Item class	12X

### Description

#### Version:

Dimensions similar to DIN 6527. **Optimised special knuckle form profile for roughing.** Very **high metal removal rate.**

#### Application:

For roughing machining, particularly suitable for full-slot machining.

### Technical description

Flute length $L_c$	11 mm
Feed $f_z$ for slot milling in steel < 900 N/mm <sup>2</sup>	0.02 mm
Corner chamfer angle	45 degrees
Overhang length $L_1$ incl. recess	19 mm
Shank $\varnothing D_s$	6 mm
Cutting edge $\varnothing D_c$	4 mm
Corner chamfer width at 45°	0.2 mm
Direction of infeed	horizontal, oblique and vertical
Helix angle	45 degrees
Overall length $L$	57 mm
Feed $f_z$ for side milling in steel < 900 N/mm <sup>2</sup>	0.028 mm
Tolerance nominal $\varnothing$	d11

Shank	DIN 6535 HB to h6
Recess $\varnothing D_1$	3.7 mm
No. of teeth Z	4
Series	Pro Steel
Coating	TiAlN
Tool material	Solid carbide
Standard	DIN 6527
Milling profile	HR
Cutting width $a_e$ for milling operation	Full slot cutting depth $1 \times D$
Cutting width $a_e$ for milling operation	Full slot cutting depth $1 \times D$
Through-coolant	no
Machining strategy	HPC
Colour ring	green
Type of product	End / face mill

## User data

	Suitability	$V_c$	ISO code
Steel < 750 N/mm <sup>2</sup>	suitable	170 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	160 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	135 m/min	P
Steel < 1400 N/mm <sup>2</sup>	suitable	120 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable	60 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable only under restricted conditions	45 m/min	M
GG(G)	suitable	120 m/min	K
Uni	suitable		
wet maximum	suitable		
wet minimum	suitable only under restricted conditions		

dry	suitable only under restricted conditions
Air	Suitable only under restricted conditions