


**HOLEX Pro Steel solid carbide roughing end mill HPC, TiAlN, Ø d11 DC: 12mm**

**Order data**

Order number	205706 12
GTIN	4062406262488
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**

Corner chamfer angle	45 degrees
Feed $f_z$ for side milling in steel $< 900 \text{ N/mm}^2$	0.07 mm
Recess $\varnothing D_1$	11.1 mm
Overhang length $L_1$ incl. recess	36 mm
Overall length $L$	83 mm
Cutting edge $\varnothing D_c$	12 mm
Direction of infeed	horizontal, oblique and vertical
Shank $\varnothing D_s$	12 mm
No. of teeth $Z$	4
Shank	DIN 6535 HB to h6
Helix angle	45 degrees
Tolerance nominal $\varnothing$	d11

Corner chamfer width at 45°	0.6 mm
Flute length $L_c$	26 mm
Feed $f_z$ for slot milling in steel < 900 N/mm <sup>2</sup>	0.06 mm
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×D
Cutting width $a_e$ for milling operation	Full slot cutting depth 1×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