

Garant
Solid carbide milling cutter, AlCrN, Ø e8 DC: 18mm

Order data

Order number	202290 18
GTIN	4045197865960
Item class	11X

Description
Version:

Dimensions similar to **DIN 6527**.

Improved coating for general-purpose applications in steel and cast iron.

Technical description

No. of teeth Z	3
Flute length L_c	32 mm
Shank $\varnothing D_s$	18 mm
Feed f_z for side milling in steel $< 750 \text{ N/mm}^2$	0.15 mm
Feed f_z for slot milling in steel $< 750 \text{ N/mm}^2$	0.09 mm
Cutting edge $\varnothing D_c$	18 mm
Recess $\varnothing D_1$	17.7 mm
Overall length L	92 mm
Tolerance nominal \varnothing	e8
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HA to h6
Corner chamfer width at 45°	0.4 mm
Overhang length L_1 incl. recess	44 mm
Helix angle	45 degrees

Corner chamfer angle	45 degrees
Coating	AlCrN
Tool material	Solid carbide
Standard	DIN 6527
Type	N
Cutting width a_e for milling operation	0.5xD for side milling
Cutting width a_e for milling operation	Full slot cutting depth 1xD
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	280 m/min	N
Alu > 10% Si	suitable only under restricted conditions	200 m/min	N
Steel < 500 N/mm ²	suitable	120 m/min	P
Steel < 750 N/mm ²	suitable	110 m/min	P
Steel < 900 N/mm ²	suitable	100 m/min	P
Steel < 1100 N/mm ²	suitable	70 m/min	P
Steel < 1400 N/mm ²	suitable only under restricted conditions	60 m/min	P
INOX < 900 N/mm ²	suitable	70 m/min	M
INOX > 900 N/mm ²	suitable only under restricted conditions	50 m/min	M
GG(G)	suitable	90 m/min	K
Uni	suitable		
wet maximum	suitable		
wet minimum	suitable		

dry	suitable only under restricted conditions
Air Services	suitable
Shank grinding Type HB	129100 HB