

Garant
Slot drills HSS-PM, TiAlN, Ø e8 DC: 20mm

Order data

Order number	191290 20
GTIN	4045197531292
Item class	11W

Description
Version:

Centre cutting teeth for plunging.

Eccentric relief ground.

For the most demanding metal removal rates.

Note:

Suitable for use as a slot drill (tolerance e8) **or an end mill.**

50 % higher metal removal rate than 2 flute slot drills.

Larger flutes than multi-flute end mills (good for soft material). For milling keyways.

Technical description

Feed f_z for slot milling in steel < 750 N/mm ²	0.04 mm
No. of teeth Z	3
Cutting edge Ø D _c	20 mm
Shank Ø D _s	20 mm
Overall length L	141 mm
Flute length L _c	75 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 1835 B to h6
Tolerance nominal Ø	e8
Helix angle	30 degrees
Corner chamfer angle	90 degrees

Coating	TiAlN
Tool material	HSS PM
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	138 m/min	N
Alu > 10% Si	suitable only under restricted conditions	110 m/min	N
Steel < 500 N/mm ²	suitable	83 m/min	P
Steel < 750 N/mm ²	suitable	64 m/min	P
Steel < 900 N/mm ²	suitable	64 m/min	P
Steel < 1100 N/mm ²	suitable	37 m/min	P
Steel < 1400 N/mm ²	suitable only under restricted conditions	32 m/min	P
INOX < 900 N/mm ²	suitable	23 m/min	M
INOX > 900 N/mm ²	suitable only under restricted conditions	18 m/min	M
GG(G)	suitable only under restricted conditions	55 m/min	K
CuZn	suitable only under restricted conditions	110 m/min	N
Uni	suitable		
wet maximum	suitable		
dry	suitable		

