

Garant
Solid carbide HPC drill, Weldon shank DIN 6535 HB, TiAlN, Ø DC h7: 20mm


Order data

Order number	122385 20
GTIN	4045197389282
Item class	11E

Description

Version:

Cutting chisel edge with **high centring accuracy** due to **strong core and special point geometry**. **Straight major cutting edges** with slightly honed edges and special flute profile produce **short chips**.

Note:

Flute length $L_c = L_2 + 1.5 \times D_c$.

Technical description

Shank tolerance	h6
Number of cutting edges Z	2
Feed f in stainless steel < 900 N/mm ²	0.23 mm/rev.
Nominal Ø D _c	20 mm
Flute length L _c	79 mm
Tolerance nominal Ø	h7
Shank Ø D _s	20 mm
Overall length L	131 mm
Standard	DIN 6537 K
recommended maximum drilling depth L ₂	49 mm
Coating	TiAlN
Tool material	Solid carbide

Version	4xD
Point angle	135 degrees
Shank	DIN 6535 HB to h6
Through-coolant	yes, with 25 bar
Machining strategy	HPC
Semi-Standard	yes
Colour ring	blue
Type of product	Jobber drill

User data

	Suitability	V _c	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	245 m/min	N
Steel < 500 N/mm ²	suitable	110 m/min	P
Steel < 750 N/mm ²	suitable	90 m/min	P
Steel < 900 N/mm ²	suitable	85 m/min	P
Steel < 1100 N/mm ²	suitable	60 m/min	P
Steel < 1400 N/mm ²	suitable only under restricted conditions	35 m/min	P
INOX < 900 N/mm ²	suitable	55 m/min	M
INOX > 900 N/mm ²	suitable	50 m/min	M
Ti > 850 N/mm ²	suitable	35 m/min	S
Uni	suitable		
wet maximum	suitable		
wet minimum	suitable		
Air	suitable		