

Garant**Centre drill HSS-E A, uncoated, Nominal Ø DC k12: 3mm****Order data**

Order number	111050 3
GTIN	4045197000279
Item class	11A

Description**Version:**

Ground from solid and relief ground, spiral fluted.

Nominal Ø D_C: 3 mm

for workpiece Ø: 20 – 40 mm

Shank Ø D_s: 8 mm

Overall length L: 50 mm

Feed f in steel < 900 N/mm²: 0.03 mm/rev.

Technical description

Feed f in steel < 900 N/mm ²	0.03 mm/rev.
for workpiece Ø	20 – 40 mm
Shank tolerance	h7
Number of cutting edges Z	2
Nominal Ø D _C	3 mm
Shank Ø D _s	8 mm
Overall length L	50 mm
Coating	uncoated
Tool material	HSS E
Standard	DIN 333
Type	A

Tolerance nominal Ø	k12
Countersink angle	60 °
Cutting direction	right-hand
Shank	Parallel shank to h7
Through-coolant	no
Colour ring	without
Type of product	Centre drill

User data

	Suitability	V _c	ISO code
Alu plastics	suitable	70 m/min	N
Aluminium (short chipping)	suitable	45 m/min	N
Steel < 500 N/mm ²	suitable	40 m/min	P
Steel < 750 N/mm ²	suitable	30 m/min	P
Steel < 900 N/mm ²	suitable	25 m/min	P
Steel < 1100 N/mm ²	suitable	10 m/min	P
Steel < 1400 N/mm ²	suitable	8 m/min	P
INOX < 900 N/mm ²	suitable	12 m/min	M
INOX > 900 N/mm ²	suitable	8 m/min	M
GG(G)	suitable only under restricted conditions	25 m/min	K
CuZn	suitable	80 m/min	N
Oil	suitable		
wet maximum	suitable		