

Garant**Centre drill HSS B, uncoated, Nominal \varnothing DC k12: 4mm****Order data**

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|--------------|---------------|
| Order number | 111520 4 |
| GTIN | 4045197000934 |
| Item class | 11A |

Description**Version:**

Ground from solid and relief-ground.

With additional centre protection (120° countersink angle), spiral fluted.**Technical description**

| | |
|---|--------------|
| Shank tolerance | h7 |
| Feed f in steel < 900 N/mm ² | 0.03 mm/rev. |
| Nominal \varnothing D _c | 4 mm |
| for workpiece \varnothing | 40 – 63 mm |
| Number of cutting edges Z | 2 |
| Shank \varnothing D _s | 14 mm |
| Overall length L | 67 mm |
| Coating | uncoated |
| Tool material | HSS |
| Standard | DIN 333 |
| Type | B |
| Tolerance nominal \varnothing | k12 |
| Countersink angle | 120 degrees |
| 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 only under restricted conditions | 8 m/min | P |
| CuZn | suitable | 80 m/min | N |
| Oil | suitable | | |
| wet maximum | suitable | | |