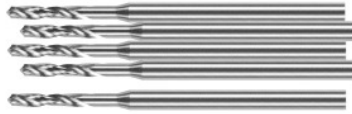


Garant
Micro drill set HSS-E-PM N, uncoated, Ø DC -0.004: 0,50mm

Order data

| | |
|--------------|---------------|
| Order number | 112305 0,50 |
| GTIN | 4067263732990 |
| Item class | 11A |

Description
Version:

Special drill with reinforced shank, high concentricity and precision ground point.

Recommendation:
Maximum drilling depth:

$$L_2 = L_c - 1.5 \times D_c.$$

Technical description

| | |
|---|---------------------|
| Number of drills | 5 |
| Number of cutting edges Z | 2 |
| Shank | Plain shank with h8 |
| Shank Ø D _s | 1 mm |
| Overall length L | 25 mm |
| Feed f in steel < 900 N/mm ² | 0.014 mm/rev. |
| Flute length L _c | 4 mm |
| Nominal Ø D | 0.5 mm |
| Coating | uncoated |
| Tool material | HSS E PM |
| Standard | DIN 1899 A |

| | |
|---------------------------------|-------------|
| Type | N |
| Tolerance nominal \varnothing | 0 / -0.004 |
| Point angle | 118 degrees |
| Through-coolant | no |
| Colour ring | without |
| Type of product | Twist Drill |

User data

| | Suitability | V_c | ISO code |
|--------------------------------|---|----------|----------|
| Alu plastics | suitable | 70 m/min | N |
| Aluminium (short chipping) | suitable | 45 m/min | N |
| Alu > 10% Si | suitable only under restricted conditions | 40 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 |
| Ti > 850 N/mm ² | suitable | 5 m/min | S |
| GG(G) | suitable only under restricted conditions | 25 m/min | K |
| CuZn | suitable | 80 m/min | N |
| Uni | suitable only under restricted conditions | | |
| Oil | suitable | | |
| wet maximum | suitable | | |

