

Garant**NC spotting drill 90°, HB730, Ø D ± 0.01: 12mm****Order data**

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|--------------|---------------|
| Order number | 210400 12 |
| GTIN | 4045197557544 |
| Item class | 21M |

Technical description

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|---|-------------------------|
| Flute length L ₂ | 6 mm |
| Head length l | 16 mm |
| Milling head Ø D | 12 mm |
| Feed f in steel < 900 N/mm ² | 0.6 mm/rev. |
| Arbor size | 12 mm |
| Series | TopCut |
| Grade | HB730 |
| Tool material | Solid carbide |
| Standard | Manufacturer's standard |
| Type | N |
| Number of cutting edges Z | 2 |
| Point angle | 90 degrees |
| Shank | GARANT TopCut |
| Through-coolant | no |

Type of product

Cutter insert for centre
drilling and spot drilling

User data

| | Suitability | V _c | ISO code |
|--------------------------------|--|----------------|----------|
| Steel < 500 N/mm ² | suitable | 210 m/min | P |
| Steel < 750 N/mm ² | suitable | 170 m/min | P |
| Steel < 900 N/mm ² | suitable | 150 m/min | P |
| Steel < 1100 N/mm ² | suitable | 130 m/min | P |
| Steel < 1400 N/mm ² | suitable only under restricted conditions | 110 m/min | P |
| Steel < 55 HRC | suitable only under restricted conditions | 50 m/min | H |
| Steel < 60 HRC | suitable only under restricted conditions | 40 m/min | H |
| INOX < 900 N/mm ² | suitable | 80 m/min | M |
| INOX > 900 N/mm ² | suitable only under restricted conditions | 50 m/min | M |
| Ti > 850 N/mm ² | suitable only under restricted conditions | 80 m/min | S |
| GG(G) | suitable | 160 m/min | K |
| Oil | suitable only under restricted conditions | | |
| wet maximum | suitable | | |
| wet minimum | suitable only under restricted conditions | | |
| dry | suitable only under restricted conditions | | |
| Air | suitable | | |

Accessories

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|---|-------------|
| Plug-in adapter for torque wrench Type 10X4 | 219986 10X4 |
| Assembly wrench Type 10X4 | 219987 10X4 |