

Garant
Face torus milling head, with internal coolant supply, HB730, Ø D h10: 10mm

Order data

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|--------------|---------------|
| Order number | 210310 10 |
| GTIN | 4045197523259 |
| Item class | 21M |

Description
Note:

Comply strictly with $a_{p,max}$! Recommended application values (v_c and f_z) apply also to $a_{p,max}$.

Technical description

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| Milling head Ø D | 10 mm |
| Flute length L_2 | 7.5 mm |
| maximum cutting depth $a_{p,max}$ in steel < 900 N/mm ² | 0.5 mm |
| Head length l | 13 mm |
| Programming radius R_p | 1.838 mm |
| Corner radius | 1.5 mm |
| Feed f_z in steel < 900 N/mm ² | 0.4 mm |
| Arbor size | 10 mm |
| Number of cutting edges Z | 5 |
| Grade | HB730 |
| Tool material | Solid carbide |
| Standard | Manufacturer's standard |
| Type | N |

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|---|----------------------------------|
| Helix angle | 45 degrees |
| Direction of infeed | horizontal and oblique |
| Cutting width a_e for milling operation | $0.05 \times D$ for side milling |
| Machining strategy | HPC |
| Through-coolant | yes |
| Shank type | GARANT TopCut |
| Type of product | Cutter insert for milling |

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 | | |

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|-----|---|
| dry | suitable only under restricted conditions |
| Air | suitable |

Accessories

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| Assembly wrench Type 8X3 | 219987 8X3 |
| Plug-in adapter for torque wrench Type 8X3 | 219986 8X3 |