

Garant
Torus milling head HPC, HB7820, Ø D h10 / R: 12/0,5mm

Order data

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|--------------|---------------|
| Order number | 210255 12/0,5 |
| GTIN | 4045197606891 |
| Item class | 21M |

Description
Note:

Standard application values for slots milled from solid at $a_{p\ max} \leq 0.5 \times D$.

Technical description

| | |
|---|-------------------------|
| Milling head Ø D | 12 mm |
| Flute length L_2 | 9 mm |
| Head length I | 16 mm |
| Feed f_z for side milling in short-chipping aluminium | 0.13 mm |
| Feed f_z for slot milling in short-chipping aluminium | 0.11 mm |
| Corner radius | 0.5 mm |
| Arbor size | 12 mm |
| Number of cutting edges Z | 3 |
| Series | TopCut |
| Grade | HB7820 |
| Tool material | Solid carbide |
| Standard | Manufacturer's standard |
| Type | W |

| | |
|---|--------------------------------------|
| Helix angle | 42 degrees |
| Direction of infeed | horizontal, oblique and vertical |
| Cutting width a_e for milling operation | Full slot cutting depth $1 \times D$ |
| Machining strategy | HPC |
| Through-coolant | yes |
| Shank type | GARANT TopCut |
| Type of product | Cutter insert for milling |

User data

| | Suitability | V_c | ISO code |
|----------------------------|---|-----------|----------|
| Alu plastics | suitable | 580 m/min | N |
| Aluminium (short chipping) | suitable | 550 m/min | N |
| Alu > 10% Si | suitable | 400 m/min | N |
| CuZn | suitable | 350 m/min | N |
| wet maximum | suitable | | |
| wet minimum | suitable only under restricted conditions | | |
| Air | suitable only under restricted conditions | | |