

Garant
Thread milling insert, HB7720, Threads per inch: 16-12

Order data

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|--------------|---------------|
| Order number | 218131 16-12 |
| GTIN | 4062406245368 |
| Item class | 21D |

Description
Version:

Insert size 11.

Application:

For internal and external threads with 55° flank to standard BS 84: 1956, DIN 259, ISO 228/1: 1982.

Cutting direction: right-hand and left-hand

Feed f_z in INOX < 900 N/mm²: 0.03 mm

Technical description

| | |
|-------------------------------|--------------------|
| Coating | TiCN |
| Internal/external application | External |
| Internal/external application | Internal |
| Thread pitch | 1,587 mm |
| Threads per inch | 12 - 16 |
| suitable for threads | 1 5/8-16; 1 5/8-12 |
| Number of cutting edges Z | 1 |

| | |
|--|---------------------------|
| Grade | HB7720 |
| Tool material | Carbide |
| Flank angle | 55 ° |
| Insert size | 11 mm |
| Feed f_z in steel < 1100 N/mm ² | 0.05 mm |
| Feed f_z in INOX < 900 N/mm ² | 0.03 mm |
| Cutting direction | right-hand and left-hand |
| Type of product | Cutter insert for milling |

User data

| | Suitability | V_c | ISO code |
|--------------------------------|---|-----------|----------|
| Alu plastics | suitable only under restricted conditions | 140 m/min | N |
| Aluminium (short chipping) | suitable | 120 m/min | N |
| Alu > 10% Si | suitable | 80 m/min | N |
| Steel < 500 N/mm ² | suitable | 120 m/min | P |
| Steel < 750 N/mm ² | suitable | 110 m/min | P |
| Steel < 900 N/mm ² | suitable | 100 m/min | P |
| Steel < 1100 N/mm ² | suitable | 80 m/min | P |
| Steel < 1400 N/mm ² | suitable | 60 m/min | P |
| INOX < 900 N/mm ² | suitable only under restricted conditions | 80 m/min | M |
| INOX > 900 N/mm ² | suitable only under restricted conditions | 70 m/min | M |
| Ti > 850 N/mm ² | suitable | 40 m/min | S |
| GG(G) | suitable only under restricted conditions | 70 m/min | K |
| CuZn | suitable | 120 m/min | N |
| Uni | suitable | | |

wet maximum

suitable