

**Garant**

**Plunge milling cutter 93°, with bore, Ø D / number of teeth Z: 80/5 mm**


**Order data**

|              |               |
|--------------|---------------|
| Order number | 211807 80/5   |
| GTIN         | 4045197648426 |
| Item class   | 210           |

**Description**
**Version:**

Greater tool stiffness by elimination of twist between indexable insert and insert seat.

**Application:**

To prevent chips jamming, especially when milling deep pockets.

**Note:**

Use GARANT torque screwdriver TQ No. **211750 size 5.7** with bit No. **674252 size 20IP**.

Tool exchange: PowerCard

Ø D<sub>3</sub>: 74 mm

Overall length L<sub>tot</sub>: 55 mm

Mounting bore Ø: 27 mm

Circular interpolation milling Ø D<sub>min</sub>: 154 mm

Circular interpolation milling Ø D<sub>max</sub>: 158 mm

Circular interpolation milling a<sub>p</sub>: 10 mm

**Technical description**

|                           |                       |
|---------------------------|-----------------------|
| Pack of insert screws     | 219800 (20IP; 5.7 Nm) |
| suitable indexable insert | VCG. 2205             |

|  |                         |
|--|-------------------------|
| Cutting edge $\varnothing D_c$                       | 80 mm                   |
| Mounting bore $\varnothing$                          | 27 mm                   |
| Overall length $L_{tot}$                             | 55 mm                   |
| Number of cutting edges Z                            | 5                       |
| Circular interpolation milling $\varnothing D_{max}$ | 158 mm                  |
| Ramping angle $\alpha_{max}$                         | 2 degrees               |
| Circular interpolation milling $a_p$                 | 10 mm                   |
| Circular interpolation milling $\varnothing D_{min}$ | 154 mm                  |
| Ramping length L for $\alpha_{max}$                  | 70.69 mm                |
| Shank type   | with bore               |
| Setting angle $\kappa$                               | 93 degrees              |
| Milling application                                  | Circular milling        |
| Milling application                                  | Ramping                 |
| Through-coolant                                      | yes                     |
| Machining strategy                                   | MTC                     |
| Tool exchange  | PowerCard               |
| Type of product                                      | Indexable insert cutter |

## Accessories

|  |             |
|--|-------------|
| Set of insert screws 10 pieces                                   | 219800      |
| PrecisionBit for Torx Plus®, shank E 6.3 Torx Plus® profile 10IP | 674252 10IP |
| Torque screwdriver, fixed setting set torque 5,7 Nm              | 211750 5,7  |