

**Garant**
**VCGT 160402 FN, PCD, Cutting edge version: TWM**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 265892 TWM    |
| GTIN         | 4045197452870 |
| Item class   | 21L           |

**Description**
**Version:**

**PCD** – Polycrystalline diamond, fine grain. General machining, stable cutting edge for high metal removal rates.

**Application:**

For aluminium, aluminium alloys, non-ferrous metals, plastics, composite materials, titanium alloys, sintered metals.

Rake: 6 degrees

Grade: PCD

Cutting edge version: TWM

Cutting depth  $a_p$ : 0.2 - 2.5 mm

Feed  $f$ : 0.05 - 0.3 mm/rev.

Cutting speed  $v_c$  for alu < 10 % Si: 400 - 3500 m/min

Cutting speed  $v_c$  for non-ferrous metals: 300 - 2200 m/min

**Technical description**

|                                |                 |
|--------------------------------|-----------------|
| Cutting depth $a_p$            | 0.2 - 2.5 mm    |
| Cutting speed $v_c$ for G(C)RP | 400 - 900 m/min |

|  |                                    |
|--|------------------------------------|
| Cutting edge version                       | TWM                                |
| Cutting speed $v_c$ for non-ferrous metals | 300 - 2200 m/min                   |
| Cutting speed $v_c$ for alu < 10 % Si      | 400 - 3500 m/min                   |
| Corner radius                              | 0.2 mm                             |
| Cutting conditions                         | continuous                         |
| Feed f                                     | 0.05 - 0.3 mm/rev.                 |
| Grade                                      | PCD                                |
| Finishing/roughing assignment              | Skrubbearbejdning-sletbearbejdning |
| Tool material                              | PCD                                |
| ISO code indexable insert                  | VCGT 160402 FN                     |
| Number of changes/inserts                  | 1                                  |
| Product name attribute                     | PCD                                |
| Rake                                       | 6 degrees                          |
| Type of product                            | Indexable insert for turning       |