

**Garant**

**Copy mill 0° negative, with bore, Ø D / number of teeth Z: 66/5 mm**


**Order data**

Order number	212165 66/5
GTIN	4045197406804
Item class	210

**Description**
**Version:**

Milling body with irregular pitch for smooth cutting.

- **High axial run-out accuracy and concentricity**
- **Stepless repositioning as the cutting edge wears.**

**Application:**

With pack of insert screws No. 219800 - for securing indexable inserts and retaining washers.

**Attention:**

Retaining screws and retaining washers should **not** be used for inserts with positive geometry.

**Note:**

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

$a_{p\ max} = 5.0\ \text{mm}$ .

Tool exchange: PowerCard

Through-coolant: yes

Number of cutting edges Z: 5

Ø D<sub>3</sub>: 50 mm

Overall length L<sub>tot</sub>: 50 mm

Mounting bore Ø: 27 mm

Circular interpolation milling Ø D<sub>min</sub>: 116 mm

Circular interpolation milling Ø D<sub>max</sub>: 130 mm

## Technical description

Set of retaining washers	219955
Ø D <sub>3</sub>	50 mm
Overall length L <sub>tot</sub>	50 mm
Pack of insert screws	219800 (20IP; 5.7 Nm)
Cutting edge Ø D <sub>c</sub>	66 mm
Mounting bore Ø	27 mm
suitable indexable insert	RD..1604
Number of cutting edges Z	5
Through-coolant	yes
Circular interpolation milling Ø D <sub>min</sub>	116 mm
Circular interpolation milling Ø D <sub>max</sub>	130 mm
Circular interpolation milling a <sub>p</sub>	5 mm
Ramping length L for α <sub>max</sub>	45.93 mm
Ramping angle α <sub>max</sub>	1.4 degrees
Shank type	with bore
Milling head suitable for insert shape	round
Milling application	Circular milling
Milling application	Ramping
Spacing of the cutters	unequal spacing
Tool exchange	PowerCard

## Accessories

Set of retaining washers 10 pieces	219955
PrecisionBit for Torx Plus®, shank E 6.3 Torx Plus® profile 20IP	674252 20IP
Set of insert screws 10 pieces	219800

Torque screwdriver, fixed setting set torque 5,7 Nm

211750 5,7