

**Garant**

**Copy mill 7° positive, with bore, Ø D / number of teeth Z: 100/7 mm**


**Order data**

Order number	212167 100/7
GTIN	4045197750563
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.**

Vibration reduction and soft cutter edge entry due to 7° positive setting of the indexable inserts.

**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**.

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

Tool exchange: PowerCard

Through-coolant: yes

Number of cutting edges Z: 7

Ø D<sub>3</sub>: 84 mm

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

Mounting bore Ø: 32 mm

Circular interpolation milling Ø D<sub>min</sub>: 184 mm

Circular interpolation milling  $\varnothing D_{\max}$ : 198 mm

## Technical description

Number of cutting edges Z	7
Mounting bore $\varnothing$	32 mm
Pack of insert screws	219800 (20IP; 5.7 Nm)
Set of retaining washers	219955
Overall length $L_{\text{tot}}$	50 mm
suitable indexable insert	RD..1604
Cutting edge $\varnothing D_c$	100 mm
$\varnothing D_3$	84 mm
Through-coolant	yes
Circular interpolation milling $\varnothing D_{\min}$	184 mm
Circular interpolation milling $\varnothing D_{\max}$	198 mm
Ramping length L for $\alpha_{\max}$	79.93 mm
Ramping angle $\alpha_{\max}$	0.8 degrees
Shank type	with bore
Milling head suitable for insert shape	round
Milling application	Ramping
Milling application	Circular milling
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
Torque screwdriver, fixed setting set torque 5,7 Nm	211750 5,7

Set of insert screws 10 pieces

219800