

**Garant**

**Copy mill 7° positive, with bore, Ø D / number of teeth Z: 63/6 mm**


**Order data**

Order number	212150 63/6
GTIN	4045197939487
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.

**Attention:**

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

**Note:**

Use GARANT torque screwdriver TQ No. **211750 size 3.8** with bit No. **674252 size 15IP**.

$a_{p\max} = 4.0$  mm.

Tool exchange: PowerCard

Through-coolant: yes

Number of cutting edges Z: 6

Ø D<sub>3</sub>: 51 mm

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

Mounting bore Ø: 22 mm

Circular interpolation milling Ø D<sub>min</sub>: 114 mm

Circular interpolation milling Ø D<sub>max</sub>: 124 mm

## Technical description

suitable indexable insert	RD..1604
Pack of insert screws	219805 (15IP; 3.8 Nm)
Circular interpolation milling $\varnothing D_{\max}$	124 mm
Cutting edge $\varnothing D_c$	63 mm
Ramping length L for $\alpha_{\max}$	47.95 mm
Mounting bore $\varnothing$	22 mm
Overall length $L_{\text{tot}}$	50 mm
$\varnothing D_3$	51 mm
Set of retaining screws	219807 (15IP; 3.8 Nm)
Circular interpolation milling $\varnothing D_{\min}$	114 mm
Through-coolant	yes
Ramping angle $\alpha_{\max}$	1 degrees
Number of cutting edges Z	6
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

PrecisionBit for Torx Plus®, shank E 6.3 Torx Plus® profile 15IP	674252 15IP
Torque screwdriver, fixed setting set torque 3,8 Nm	211750 3,8