

**Garant**

**Copy mill 0° negative, with threaded shank, Ø D / number of teeth Z: 20/2 mm**


**Order data**

Order number	212135 20/2
GTIN	4045197192707
Item class	210

**Description**
**Version:**

Milling body with irregular pitch for smooth cutting.

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

**Note:**

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

$a_{p\ max} = 2.5\ mm$ .

Tool exchange: PowerCard

Through-coolant: yes

Number of cutting edges Z: 2

Ø D<sub>1</sub> h6: 10.5 mm

Ø D<sub>2</sub>: 17.7 mm

Ø D<sub>3</sub>: 10 mm

Overall length L<sub>tot</sub>: 30 mm

Mounting thread M: M10

**Technical description**

Ø D <sub>1</sub> h6	10.5 mm
Pack of insert screws	219804 (15IP; 3.8 Nm)
suitable indexable insert	RD..1003
Ø D <sub>3</sub>	10 mm

Ø D <sub>2</sub>	17.7 mm
Cutting edge Ø D <sub>c</sub>	20 mm
Mounting thread M	M10
Overall length L <sub>tot</sub>	30 mm
Number of cutting edges Z	2
Through-coolant	yes
Ramping length L for α <sub>max</sub>	7.48 mm
Circular interpolation milling Ø D <sub>min</sub>	30 mm
Circular interpolation milling a <sub>p</sub>	2.5 mm
Ramping angle α <sub>max</sub>	5.37 degrees
Circular interpolation milling Ø D <sub>max</sub>	38 mm
Shank type	with threaded shank
Milling head suitable for insert shape	round
Milling application	Circular milling
Milling application	Ramping
Spacing of the cutters	unequal spacing
Tool exchange	PowerCard

## Accessories

PrecisionBit for Torx Plus®, shank E 6.3 Torx Plus® profile 15IP	674252 15IP
Set of insert screws 10-piece	219804
Torque screwdriver, fixed setting set torque 3,8 Nm	211750 3,8