

**Garant**

**GARANT Power Q Mini high feed rate milling cutter, with thread,  $\varnothing$  D / number of effective cutting edges Z: 20/3 mm**


**Order data**

Order number	213056 20/3
GTIN	4062406566562
Item class	210

**Description**
**Version:**

High feed rate milling system for **smaller machining diameters** and **greater operating depths**. Particularly **effective due to the large number of cutting edges**.

**Spare part:**

Pack of insert screws No. 219799 9 (7IP; 1.2Nm).

**Note:**

Use GARANT torque screwdriver TQ No. **211750 size 1.2** with bit No. **674252 size 7IP**.

When working with extensions, always use internal cooling.

Tool exchange: PowerCard

Through-coolant: yes

Number of cutting edges Z: 3

$\varnothing$  D<sub>1</sub> h6: 10.5 mm

$\varnothing$  D<sub>2</sub>: 18 mm

$\varnothing$  D<sub>3</sub>: 14 mm

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

Mounting thread M: M10

**Technical description**

Through-coolant	yes
Circular interpolation milling $\varnothing$ D <sub>max</sub>	39.5 mm
Overall length L <sub>tot</sub>	30 mm

Ramping length L for $\alpha_{\max}$	14.3 mm
Ramping angle $\alpha_{\max}$	4 degrees
Circular interpolation milling $\varnothing D_{\min}$	29.1 mm
Mounting thread M	M10
Number of cutting edges Z	3
$\varnothing D_2$	18 mm
Circular interpolation milling $a_p$	1 mm
$\varnothing D_1 h6$	10.5 mm
Cutting edge $\varnothing D_c$	20 mm
suitable indexable insert	ANGX10T308ZE.R
$\varnothing D_3$	14 mm
Shank type	with thread
Milling application	Circular milling
Milling application	Plunging
Milling application	Plunging
Machining strategy	HPC
Tool exchange	PowerCard