

**Garant**
**GARANT Power Q Mini high feed rate milling cutter, Plain shank, Ø D / number of effective cutting edges Z: 20/3L mm**

**Order data**

Order number	213054 20/3L
GTIN	4062406566449
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**.

Tool exchange: PowerCard

Through-coolant: yes

Number of cutting edges Z: 3

Ø D<sub>3</sub>: 14 mm

Overhang L<sub>1</sub>: 80 mm

Overall length L<sub>tot</sub>: 160 mm

Shank Ø D<sub>s</sub> h6: 20 mm

Circular interpolation milling Ø D<sub>min</sub>: 29.1 mm

**Technical description**

Overhang L <sub>1</sub>	80 mm
Shank Ø D <sub>s</sub> h6	20 mm
Through-coolant	yes
Number of cutting edges Z	3
Circular interpolation milling Ø D <sub>max</sub>	39.5 mm

Circular interpolation milling $\varnothing D_{\min}$	29.1 mm
$\varnothing D_3$	14 mm
Ramping length L for $\alpha_{\max}$	14.3 mm
suitable indexable insert	ANGX10T308ZE.R
Overall length $L_{\text{tot}}$	160 mm
Cutting edge $\varnothing D_c$	20 mm
Ramping angle $\alpha_{\max}$	4 degrees
Circular interpolation milling $a_p$	1 mm
Shank type	Plain shank
Milling application	Ramping
Milling application	Plunging
Milling application	Circular milling
Machining strategy	HPC
Tool exchange	PowerCard