

## Garant

### GARANT Power Q Mini high feed rate indexable milling cutter, Plain shank, Ø D / number of effective cutting edges Z: 20/3Lmm



#### 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**.

#### Technical description

Setting angle $\kappa$	20 degrees
Overhang $L_1$	80 mm
Shank $\varnothing D_s$ h6	20 mm
Through-coolant	yes
Number of cutting edges Z	3
Circular interpolation milling $\varnothing D_{max}$	38 mm
Circular interpolation milling $\varnothing D_{min}$	34 mm
$\varnothing D_3$	14 mm
Series	Power Q
Ramping length L for $\alpha_{max}$	12.4 mm

suitable indexable insert	ANGX10T308ZE.R
Overall length $L_{tot}$	160 mm
Cutting edge $\varnothing D_c$	20 mm
Ramping angle $\alpha_{max}$	1.62 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
Type of product	Copy mill