

## Garant

**Copy mill 0° negative, Plain shank, Ø D / number of effective cutting edges Z: 12mm**



### Order data

Order number	212070 12
GTIN	4045197192288
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:

$a_{p\ max} = 1.1\ mm.$

Use GARANT torque screwdriver TQ No. **211750 size 0.6** with bit No. **674252 size 6IP**.

Tool exchange: PowerCard

Through-coolant: yes

Number of cutting edges Z: 3

Ø D<sub>3</sub>: 7 mm

Overhang L<sub>1</sub>: 30 mm

Overall length L<sub>tot</sub>: 75 mm

Shank Ø D<sub>s</sub> h6: 12 mm

Circular interpolation milling Ø D<sub>min</sub>: 19 mm

### Technical description

Pack of insert screws	219802 (6IP; 0.6 Nm)
Shank Ø D <sub>s</sub> h6	12 mm
Overhang L <sub>1</sub>	30 mm
Ø D <sub>3</sub>	7 mm
Overall length L <sub>tot</sub>	75 mm

suitable indexable insert	RD.. 0501
Cutting edge $\varnothing D_c$	12 mm
Number of cutting edges Z	3
Through-coolant	yes
Circular interpolation milling $\varnothing D_{max}$	22 mm
Circular interpolation milling $\varnothing D_{min}$	19 mm
Ramping angle $\alpha_{max}$	3.5 °
Ramping length L for $\alpha_{max}$	5.73 mm
Circular interpolation milling $a_p$	1.1 mm
Setting angle $\kappa$	15 – 27 °
Shank type	Plain 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 6IP	674252 6IP
Torque screwdriver, fixed setting set torque 0,6 N·m	211750 0,6
Set of insert screws 10-piece	219802