

Garant

Copy mill 7° positive, with thread, Ø D / number of teeth Z: 42/4 mm


Order data

Order number	212160 42/4
GTIN	4045197750501
Item class	210

Description
Version:

Milling body with irregular pitch for smooth cutting.

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

Vibration reduction and soft cutter edge entry due to 7° positive setting of the indexable inserts.

Attention:

Retaining screws and retaining washers should **not** be used for inserts with positive geometry.

Note:

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

$a_{p\max} = 4.0$ mm.

Tool exchange: PowerCard

Through-coolant: yes

Number of cutting edges Z: 4

Ø D₁ h6: 17 mm

Ø D₂: 28.7 mm

Ø D₃: 30 mm

Overall length L_{tot}: 42 mm

Mounting thread M: M16

Technical description

Mounting thread M	M16
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Ø D ₂	28.7 mm
Set of retaining screws	219807 (15IP; 3.8 Nm)
Cutting edge Ø D _c	42 mm
Ø D ₁ h6	17 mm
Pack of insert screws	219805 (15IP; 3.8 Nm)
Ø D ₃	30 mm
Overall length L _{tot}	42 mm
suitable indexable insert	RD..12T3
Number of cutting edges Z	4
Through-coolant	yes
Ramping length L for α _{max}	26.95 mm
Circular interpolation milling Ø D _{min}	72 mm
Ramping angle α _{max}	1.79 degrees
Circular interpolation milling Ø D _{max}	82 mm
Shank type	with thread
Milling head suitable for insert shape	round
Milling application	Ramping
Milling application	Circular milling
Spacing of the cutters	unequal spacing
Tool exchange	PowerCard

Accessories

Set of insert screws 10-piece	219807
PrecisionBit for Torx Plus®, shank E 6.3 Torx Plus® profile 20IP	674252 20IP
Torque screwdriver, fixed setting set torque 3,8 Nm	211750 3,8
Set of insert screws 10-piece	219805