

Garant

Copy mill 0° negative, with bore, Ø D / number of teeth Z: 52/4mm


Order data

Order number	212165 52/4
GTIN	4045197193926
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.**

Application:

With pack of insert screws No. 219800 - for securing indexable inserts and retaining washers.

Attention:

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

Note:

Use GARANT torque screwdriver TQ No. **211750 size 5.7** with bit No. **674252 size 20IP**.

$a_{p\max} = 5.0$ mm.

Tool exchange: PowerCard

Through-coolant: yes

Number of cutting edges Z: 4

Ø D₃: 36 mm

Overall length L_{tot}: 50 mm

Mounting bore Ø: 22 mm

Circular interpolation milling Ø D_{min}: 88 mm

Circular interpolation milling Ø D_{max}: 102 mm

Technical description

suitable indexable insert	RD..1604
Set of retaining washers	219955
Pack of insert screws	219800 (20IP; 5.7 Nm)
Overall length L_{tot}	50 mm
$\varnothing D_3$	36 mm
Cutting edge $\varnothing D_c$	52 mm
Mounting bore \varnothing	22 mm
Number of cutting edges Z	4
Through-coolant	yes
Circular interpolation milling $\varnothing D_{min}$	88 mm
Circular interpolation milling $\varnothing D_{max}$	102 mm
Ramping length L for α_{max}	31.94 mm
Ramping angle α_{max}	2.01 °
Setting angle κ	15 – 30 °
Fz Helix	1
Shank type	with bore
Milling head suitable for insert shape	round
Milling application	Circular milling
Milling application	Ramping
Spacing of the cutters	unequal spacing
Tool exchange	PowerCard

Accessories

Set of insert screws 10 pieces	219800
PrecisionBit for Torx Plus®, shank E 6.3 Torx Plus® profile 20IP	674252 20IP
Torque screwdriver, fixed setting set torque 5,7 N·m	211750 5,7

Set of retaining washers 10 pieces

219955