

Garant**Copy mill with bore, for indexable inserts RD..****Order data**

Order number	212165 80/6
GTIN	4045197192905
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:

$a_{p\max} = 3.5 \text{ mm}$.

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

Technical description

Overall length L_{tot}	50 mm
Set of retaining washers	219955
suitable indexable insert	RD..1604

Ø D ₃	64 mm
Mounting bore Ø	27 mm
Set of insert screws	219800 (20IP; 5.7 Nm)
Cutting edge Ø D _c	80 mm
Number of cutting edges Z	6
Through-coolant	yes
Circular interpolation milling Ø D _{min}	144 mm
Circular interpolation milling Ø D _{max}	158 mm
Circular interpolation milling a _p	3.5 mm
Ramping length L for α _{max}	59.92 mm
Ramping angle α _{max}	1.07 degrees
Setting angle κ	15 – 30 degrees
Fz Helix	0.7
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
Type of product	Copy mill

Accessories

Torque screwdriver, fixed setting set torque 5,7 N·m	211750 5,7
Set of insert screws 10 pieces	219800
Set of retaining washers 10 pieces	219955
PrecisionBit for Torx Plus®, 1/4 inch E 6.3 Torx Plus® profile 20IP	674252 20IP