

Garant

Copy mill 0° negative, with bore, Ø D / number of teeth Z: 80/6 mm


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:

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: 6

Ø D₃: 64 mm

Overall length L_{tot}: 50 mm

Mounting bore Ø: 27 mm

Circular interpolation milling Ø D_{min}: 144 mm

Circular interpolation milling Ø D_{max}: 158 mm

Technical description

| | |
|--|-----------------------|
| Overall length L_{tot} | 50 mm |
| Set of retaining washers | 219955 |
| suitable indexable insert | RD..1604 |
| $\varnothing D_3$ | 64 mm |
| Mounting bore \varnothing | 27 mm |
| Pack of insert screws | 219800 (20IP; 5.7 Nm) |
| Cutting edge $\varnothing D_c$ | 80 mm |
| Number of cutting edges Z | 6 |
| Through-coolant | yes |
| Circular interpolation milling $\varnothing D_{min}$ | 144 mm |
| Circular interpolation milling $\varnothing D_{max}$ | 158 mm |
| Circular interpolation milling a_p | 5 mm |
| Ramping length L for α_{max} | 59.93 mm |
| Ramping angle α_{max} | 1.07 degrees |
| 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 retaining washers 10 pieces | 219955 |
| Set of insert screws 10 pieces | 219800 |
| Torque screwdriver, fixed setting set torque 5,7 Nm | 211750 5,7 |
| | 674252 20IP |

PrecisionBit for Torx Plus®, shank E 6.3 Torx Plus® profile
20IP
