

Garant
Copy mill 7° positive, Weldon shank, Ø D: 20 mm

Order data

Order number	212115 20
GTIN	4045197746740
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.**

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

Note:

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

$a_{p\max} = 2.5$ mm.

Tool exchange: PowerCard

Through-coolant: yes

Number of cutting edges Z: 2

Ø D₃: 10 mm

Overhang L₁: 47 mm

Overall length L_{tot}: 100 mm

Shank Ø D_s h6: 20 mm

Circular interpolation milling Ø D_{min}: 30 mm

Technical description

Number of cutting edges Z	2
Pack of insert screws	219804 (15IP; 3.8 Nm)
suitable indexable insert	RD..1003
Shank Ø D _s h6	20 mm
Overhang L ₁	47 mm

Overall length L_{tot}	100 mm
$\varnothing D_3$	10 mm
Cutting edge $\varnothing D_c$	20 mm
Through-coolant	yes
Circular interpolation milling $\varnothing D_{\text{max}}$	38 mm
Circular interpolation milling $\varnothing D_{\text{min}}$	30 mm
Ramping angle α_{max}	5.37 degrees
Ramping length L for α_{max}	7.48 mm
Shank type	Weldon shank
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	219804
Torque screwdriver, fixed setting set torque 3,8 Nm	211750 3,8
PrecisionBit for Torx Plus®, shank E 6.3 Torx Plus® profile 15IP	674252 15IP