

## Garant

Shoulder mill 90°, with bore, Ø D / number of teeth Z: 80/10mm



### Order data

Order number	215850 80/10
GTIN	4045197221872
Item class	210

### Description

#### Version:

With bore for screw fixing.

#### Application:

**Universal application in all materials.**

· **Angle and slot milling, milling pockets, circular milling, bore milling, peripheral milling.**

#### Note:

Use GARANT torque screwdriver TQ No. **211750 size 1.2** with bit No. **674252 size 8IP**.

· **Change the insert screws after longer use of the indexable inserts. Ensure the insert screws are well greased before use (e.g. with copper paste).**

### Technical description

Cutting edge Ø D <sub>c</sub>	80 mm
Overall length L <sub>tot</sub>	50 mm
Mounting bore Ø	27 mm
Pack of insert screws	219814 (8IP; 1.2 Nm)

suitable indexable insert	AP.. 1003..
Number of cutting edges Z	10
Ramping angle $\alpha_{\max}$	0.19 degrees
Ramping length L for $\alpha_{\max}$	74.85 mm
Circular interpolation milling $\varnothing D_{\min}$	157 mm
Circular interpolation milling $\varnothing D_{\max}$	158 mm
$\varnothing D_3$	77 mm
Shank type	with bore
Setting angle $\kappa$	90 degrees
Milling application	End milling
Milling application	Circular milling
Milling application	Ramping
Through-coolant	yes
Machining strategy	MTC
Tool exchange	PowerCard
Type of product	End / face mill

## Accessories

Set of insert screws 10-piece	219814
Torque screwdriver, fixed setting set torque 1,2 N·m	211750 1,2
PrecisionBit for Torx Plus®, 1/4 inch E 6.3 Torx Plus® profile 8IP	674252 8IP