

**Garant**

**TwinCut indexable face mill 45° normal pitch, with bore, Ø D / number of teeth Z: 200/12 mm**


**Order data**

Order number	213415 200/12
GTIN	4045197666437
Item class	210

**Description**
**Version:**

From Ø 160 mm for arbors to DIN 2079, with 4 additional attachment holes and without internal cooling.

**Application:**

With double-sided 8-edge inserts (ON.U) or 4-edge inserts (SN.U).

**Spare part:**

Shim No. 219897 for use with both types of indexable insert.

**Note:**

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

Do not mix different types of insert ON.U and SN.U.

Tool exchange: PowerCard

maximum external Ø  $D_{max}$  for ON.U inserts: 211.8 mm

maximum external Ø  $D_{max}$  for SN.U inserts: 215.2 mm

Overall length  $L_{tot}$  for SN.U inserts: 63 mm

Overall length  $L_{tot}$  for ON.U inserts: 61.3 mm

Mounting bore Ø: 60 mm

suitable indexable insert: SN.U

## Technical description

Overall length $L_{tot}$ for ON.U inserts	61.3 mm
suitable indexable insert	SN.U
suitable indexable insert	ON.U
Overall length $L_{tot}$ for SN.U inserts	63 mm
Clamp screw for shim	219899
Shim	219897
Mounting bore $\varnothing$	60 mm
maximum external $\varnothing D_{max}$ for ON.U inserts	211.8 mm
maximum external $\varnothing D_{max}$ for SN.U inserts	215.2 mm
Pack of insert screws	219898 (15IP; 3.8 Nm)
Cutting edge $\varnothing D_c$	200 mm
Number of cutting edges Z	12
Shank type	with bore
Setting angle $\kappa$	45 degrees
Spacing of the cutters	unequal spacing
Through-coolant	yes
Tool exchange	PowerCard
Type of product	Indexable insert cutter

## Accessories

Shim	219897
Clamping screw	219899
Pack of insert screws 10 pieces	219898
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