

Garant

**TwinCut indexable face mill 45° wide pitch, with bore, Ø D / number of teeth
Z: 160/7 mm**


Order data

Order number	213410 160/7
GTIN	4045197605474
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: 171.8 mm

maximum external Ø D_{max} for SN.U inserts: 175.2 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: 40 mm

suitable indexable insert: SN.U

Technical description

Clamp screw for shim	219899
suitable indexable insert	SN.U
suitable indexable insert	ON.U
maximum external $\varnothing D_{\max}$ for ON.U inserts	171.8 mm
Overall length L_{tot} for SN.U inserts	63 mm
Cutting edge $\varnothing D_c$	160 mm
maximum external $\varnothing D_{\max}$ for SN.U inserts	175.2 mm
Pack of insert screws	219898 (15IP; 3.8 Nm)
Mounting bore \varnothing	40 mm
Overall length L_{tot} for ON.U inserts	61.3 mm
Shim	219897
Number of cutting edges Z	7
Shank type	with bore
Setting angle κ	45 degrees
Spacing of the cutters	unequal spacing
Through-coolant	yes
Tool exchange	PowerCard
Type of product	Indexable insert cutter

Accessories

Torque screwdriver, fixed setting set torque 3,8 Nm	211750 3,8
Shim	219897
Pack of insert screws 10 pieces	219898
Clamping screw	219899
PrecisionBit for Torx Plus®, shank E 6.3 Torx Plus® profile 15IP	674252 15IP