

**Garant**
**GARANT Power Drill indexable drill Combination shank, 5×D, Ø DC: 16,5 mm**

**Order data**

Order number	234015 16,5
GTIN	4045197697042
Item class	21S

**Description**
**Version:**

The helical coolant ducts ensure very high stability, since they do not weaken the core of the drill.

**Bore tolerance:**  $-0.1 / +0.35$  mm

**Description:**

For maximum performance and dimensional accuracy. Even for very difficult drilling situations up to 5×D.

**Application:**

With indexable inserts No. 234030 - 234098.

**Use of the advertising text:**

With inserts No. GG2340 - GG2389.

**Recommendation:**

**When spot-drilling** reduce the feed rate by 70 %.

**Note:**

Other intermediate sizes in 1/10 increments available on request.

Overhang  $L_A$ : 102 mm

Shank  $\varnothing D_s$ : 20 mm

Shank length  $L_s$ : 50 mm

Maximum adjustment limit  $V_{max}$ : 0.25 mm

ISO code indexable insert: SOGX 060305

Pack of insert screws: 239700 6IP2 (0.6 Nm)

**Technical description**

Shank $\varnothing D_s$	20 mm
Pack of insert screws	239700 6IP2 (0.6 Nm)

ISO code indexable insert	SOGX 060305
Number of cutting edges Z	1
Reach $L_1$	85 mm
Shank length $L_s$	50 mm
Series	GARANT Power Drill
Nominal $\varnothing D$	16.5
Maximum adjustment limit $V_{max}$	0.25 mm
Overhang $L_A$	102 mm
Drill depth for indexable insert drill up to	5xD
Shank	ISO 9766
Use for drilling	limited centre drilling
Use for drilling	limited convexity
Use for drilling	limited cross-drilling
Use for drilling	limited drilling through a stack
Use for drilling	limited drilling with oblique exit
Use for drilling	limited cross-drilling
Through-coolant	yes
Machining strategy	HPC

## Accessories

Torque screwdriver, fixed setting set torque 0,6 Nm	211750 0,6
Torx Plus® insert screw set 10 pieces Drive 6IP2	239700 6IP2
PrecisionBit for Torx Plus®, shank E 6.3 Torx Plus® profile 6IP	674252 6IP