

**Garant**
**Indexable drill combination shank Shank Ø 20 mm, 3xD, Ø DC m7: 21mm**


## Order data

Order number	232302 21
GTIN	4045197351807
Item class	21S

## Description

### Version:

**High stability and very high process reliability.**

With **shank Ø 20 mm**, particularly suitable for **driven tools** (see Group 31).

### Application:

**For stationary and rotating application.**

For holes free of withdrawal scoring and exact dimensional accuracy (approx.  $\pm 0.1$  mm).

**Also suitable for machines with low drive power.** Especially for **MTC (Multi Task Cutting)** use on the new generation of turning/milling centres (**MTM**).

With indexable inserts No. 232400 – 232780.

### Suitable for:

Inserts WOEX 040304.

### Note:

**Counterboring tools with up to 2 steps to your specification available on request. (Minimum order quantity: 2 pieces).**

The enquiry form can be found in the eShop on the product page under "Forms".

### CAUTION!

A disc falls off when the drill exits.

Risk of injury if the component is rotating.

Please take safety precautions.

## Technical description

Reach L <sub>1</sub>	63 mm
Shank Ø D <sub>s</sub>	20 mm
Pack of insert screws	239700 6IP1 (1.0 Nm)

Number of cutting edges Z	1
ISO code indexable insert	WOEX 040304
Shank length L <sub>s</sub>	50 mm
Nominal Ø D	21
Overall length L	137 mm
Maximum adjustment limit V <sub>max</sub>	0.5 mm
Overhang L <sub>A</sub>	87 mm
Drill depth for indexable insert drill up to	3×D
Shank	DIN 6535 HE, DIN 6595
Use for drilling	Centre drilling
Use for drilling	oblique spot drilling
Use for drilling	limited cross-drilling
Use for drilling	Aperture
Use for drilling	oblique exit
Use for drilling	convex
Through-coolant	yes
Machining strategy	MTC
Type of product	Indexable drill

## Accessories

PrecisionBit for Torx Plus®, 1/4 inch E 6.3 Torx Plus® profile 6IP	674252 6IP
Torque screwdriver, fixed setting set torque 1,0 N·m	211750 1,0
Torx Plus® insert screw set 10 pieces Drive 6IP1	239700 6IP1