

**Garant**
**Indexable drill combination shank Shank Ø 20 mm, 3xD, Ø DC m7: 15mm**

**Order data**

Order number	232302 15
GTIN	4045197351715
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 030204.

**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**

ISO code indexable insert	WOEX 030204
Reach L <sub>1</sub>	45 mm
Shank Ø D <sub>s</sub>	20 mm

Pack of insert screws	239700 6IP (0.6 Nm)
Number of cutting edges Z	1
Shank length L <sub>s</sub>	50 mm
Nominal Ø D	15
for inch Ø	19/32 in
Overall length L	119 mm
Maximum adjustment limit V <sub>max</sub>	0.5 mm
Overhang L <sub>A</sub>	69 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

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