

**Garant**
**Indexable drill combination shank, 2xD, Ø DC: 19mm**

**Order data**

Order number	232298 19
GTIN	4045197676917
Item class	21S

**Description**
**Version:**

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

**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:**
**CAUTION!**

A disc falls off when the drill exits.

Risk of injury if the component is rotating.

Please take safety precautions.

**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".

**Technical description**

Reach L <sub>1</sub>	38 mm
Pack of insert screws	239700 6IP (0.6 Nm)
Number of cutting edges Z	1
ISO code indexable insert	WOEX 030204

Shank $\varnothing D_s$	20 mm
Shank length $L_s$	50 mm
Nominal $\varnothing D$	19
for inch $\varnothing$	3/4 in
Overall length $L$	112 mm
Maximum adjustment limit $V_{max}$	0.25 mm
Overhang $L_A$	62 mm
Drill depth for indexable insert drill up to	$2 \times D$
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

Torque screwdriver, fixed setting set torque 0,6 N·m	211750 0,6
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