

**Garant**
**Indexable drill combination shank Shank Ø 20 mm, 3xD, Ø DC: 22,5 mm**


## Order data

Order number	232302 22,5
GTIN	4045197351821
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.

### Note:

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

### CAUTION!

A disc falls off when the drill exits.

Risk of injury if the component is rotating.

Please take safety precautions.

Overhang  $L_A$ : 93 mm

Shank  $\varnothing D_s$ : 20 mm

Shank length  $L_s$ : 50 mm

Maximum adjustment limit  $V_{max}$ : 0.5 mm

ISO code indexable insert: WOEX 040304

Pack of insert screws: 239700 6IP1 (1.0 Nm)

## Technical description

ISO code indexable insert	WOEX 040304
---------------------------	-------------

Pack of insert screws	239700 6IP1 (1.0 Nm)
Number of cutting edges Z	1
Shank $\varnothing D_s$	20 mm
Reach $L_1$	69 mm
Shank length $L_s$	50 mm
Nominal $\varnothing D$	22.5
Maximum adjustment limit $V_{max}$	0.5 mm
Overhang $L_A$	93 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	limited drilling through a stack
Use for drilling	Aperture
Use for drilling	oblique exit
Use for drilling	convex
Through-coolant	yes
Machining strategy	MTC

## Accessories

Torx Plus® insert screw set 10 pieces Drive 6IP1	239700 6IP1
PrecisionBit for Torx Plus®, shank E 6.3 Torx Plus® profile 6IP	674252 6IP
Torque screwdriver, fixed setting set torque 1,0 Nm	211750 1,0