

Garant
Indexable drill combination shank Shank Ø 20 mm, 3xD, Ø DC: 19,5 mm


Order data

Order number	232302 19,5
GTIN	4045197351784
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. ± 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 : 84 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: WOEX 030204

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

Technical description

Number of cutting edges Z	1
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Reach L_1	60 mm
ISO code indexable insert	WOEX 030204
Shank $\varnothing D_s$	20 mm
Pack of insert screws	239700 6IP (0.6 Nm)
Shank length L_s	50 mm
Nominal $\varnothing D$	19.5
Maximum adjustment limit V_{max}	0.25 mm
Overhang L_A	84 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 6IP	239700 6IP
Torque screwdriver, fixed setting set torque 0,6 Nm	211750 0,6
PrecisionBit for Torx Plus®, shank E 6.3 Torx Plus® profile 6IP	674252 6IP