

Garant
Precision boring set Ø 9.75 – 152.1 mm, Connection: ER40

Order data

Order number	237509 ER40
GTIN	4045197808523
Item class	21F

Description
Version:

For Ø range 9.75 - 152.1 mm. **The modular ER precision boring tool can be adapted directly on to the ER40 collet chuck.** Supplied in an ABS plastic case.

- **Adjustment accuracy: 0.01 mm per graduation. Adjustment accuracy 0.002mm on the Ø via vernier.**
- **At the 0 position, without tool, balanced to Q2.5 / 6000 rpm.**
- **Max. speed 10,000 rpm.**
- **Cooling using a coolant nozzle, optimum coolant pressure 10 – 20 bar, minimum 5 bar.**
- **Slides radially adjustable with clamp.**

Supplied with:

- 1 fine boring head: ER40
- 1 each cartridge: No. 237517 size 1 for Ø 25 – 37 mm
No. 237517 size 2 for Ø 37 – 89 mm
No. 237517 size 3 for Ø 89 – 152.1 mm
- 1 bridge: No. 237518 size 2 for Ø 101.1 – 152.1 mm
- 1 carrier for cartridge (max. boring length): No. 237519 for Ø 25 – 63 mm (90 mm)
- 1 packing piece: No. 237520 for Ø 63 – 152.1 mm
- 1 each boring bar (max. boring length): No. 237521 size 1 for Ø 9.75 – 18 mm (50 mm)
No. 237521 size 2 for Ø 18 – 25 mm (77 mm)
- 1 each flag wrench: No. 625920 size 8IP

No. 625920 size 10IP

1 hexagon L-wrench: No. 627424 size 4

2 socket-head screws: No. 237522 size M5×12

2 plain washers: No. 237523

2 disc springs: No. 237524

Spare part:

Insert screw No. 239652 (8IP3; 1.28 Nm) for boring bar No. 237521 size 1.

Insert screw No. 239653 (8IP; 1.28 Nm) for boring bar No. 237521 size 2 and tool cartridge No. 237517 size 1 and size 2.

Insert screw No. 239653 (10IP1; 2.8 Nm) for cartridge No. 237517 size 3.

Note:

Suitable indexable insert **CCGT0602..** and **CCGT09T3..** (for instance No. 237695 / 237698) please order these separately.

During the extraction cycle ensure cutting edge orientation $\pm 20^\circ$!

Through-coolant: yes

Technical description

Connection	ER40
Use for drilling	oblique exit
Use for drilling	limited cross-drilling
Use for drilling	Cross-drilling
Through-coolant	yes
Type of product	Boring tool

Accessories

Packing piece	237520
Socket-head screw Type M5X12	237522 M5X12
Plain washer	237523
Tool cartridges Type 3	237517 3
Hexagon screwdriver, with T-handle and ball point Hexagon 4 mm	627424 4
Boring bar Type 2	237521 2
Disc spring	237524

Serrated body	237519
Screwdriver for Torx Plus®, with wing handle Torx Plus® profile 8IP	625920 8IP
Tool cartridges Type 1	237517 1
Tool cartridges Type 2	237517 2
Screwdriver for Torx Plus®, with wing handle Torx Plus® profile 10IP	625920 10IP
Boring bar Type 1	237521 1
Bridge Type 2	237518 2