

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

Order data

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| 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 $\pm 20^\circ$!

Technical description

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|------------------|------------------------|
| 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

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|---|--------------|
| 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 |

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| 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 |