


**KUB Pentron® indexable drill Plain shank, 5×D, Ø DC m7: 44,5mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 236602 44,5   |
| GTIN         | 4047109208148 |
| Item class   | 24P           |

**Description**
**Version:**

- **Very high performance and long tool life thanks to optimised base body strength and special surface treatment.**
- **Best dimensional accuracy under very difficult drilling conditions.**
- **Stock costs reduced because internal and external inserts are identical.**
- **Offset-axis drilling is possible up to  $V_{\max} = 0.25$  mm. Maximum  $\varnothing = D + 0.5$  mm achievable by offsetting.**

**Bore tolerance:**  $\varnothing D - 0.1 / + 0.35$

**Application:**

- **Under extreme machining conditions.**

With indexable inserts No. 236605 – 236610.

**Supplied with:**

Clamp screws (without indexable inserts).

**Recommendation:**

**When spot-drilling** reduce the feed rate by 70 %.

**Note:**

Version with PSC shank available on request.

Version 2×D and 3×D with ABS® also available on request in imperial sizes.

**Technical description**

|                           |                      |
|---------------------------|----------------------|
| Pack of insert screws     | 239652 20IP (6.3 Nm) |
| ISO code indexable insert | SOGX 130508 46-...   |
| Reach $L_1$               | 225 mm               |
| Number of cutting edges Z | 1                    |

|  |                                    |
|--|------------------------------------|
| Shank Ø D <sub>s</sub>                       | 40 mm                              |
| Shank length L <sub>s</sub>                  | 68 mm                              |
| Series                                       | KUB Pentron®                       |
| Nominal Ø D                                  | 44.5                               |
| for inch Ø                                   | 1 3/4 in                           |
| Overhang L <sub>A</sub>                      | 256 mm                             |
| Drill depth for indexable insert drill up to | 5xD                                |
| Shank  | ISO 9766                           |
| Use for drilling                             | limited centre drilling            |
| Use for drilling                             | limited convexity                  |
| Use for drilling                             | limited cross-drilling             |
| Use for drilling                             | limited drilling through a stack   |
| Use for drilling                             | limited drilling with oblique exit |
| Use for drilling                             | limited cross-drilling             |
| Through-coolant                              | yes                                |
| Machining strategy                           | HPC                                |
| Type of product                              | Indexable drill                    |

## Accessories

|   |             |
|---|-------------|
| Torx Plus® insert screw set 10 pieces Drive 20IP                                      | 239652 20IP |
| PrecisionBit for Torx Plus®, 1/4 inch E 6.3 Torx Plus® profile 20IP                   | 674252 20IP |
| 8 mm blade with magnet with 1/4 inch bit holder overall length 50 mm                  | 659874 50   |
| Torque screwdriver with scale, to take interchangeable blades maximum torque 1600 cNm | 659906 1600 |
| Torque screwdriver with scale, to take interchangeable blades maximum torque 1600 cNm | 659957 1600 |