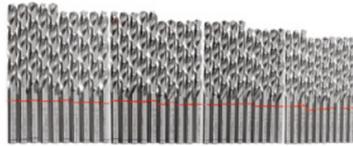


**Garant**
**Jobber drill set HSS-E No. 114400 as refill set, uncoated, Type: 6-10**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 115300 6-10   |
| GTIN         | 4045197024855 |
| Item class   | 11B           |

**Description**
**Version:**

Composed of jobber drills DIN 338.

**Profile ground:** high radial run-out and pitch accuracy, as well as precise point grinding. Drill for series production use.

**Reinforced core,** bright finish.

With point geometry shape C from size 2 mm.

**Technical description**

|                             |             |
|-----------------------------|-------------|
| Drill range                 | 6 - 10 mm   |
| Incremental steps of drills | 0.1 mm      |
| Number of drills            | 41          |
| Shank                       | Plain shank |
| Number of cutting edges Z   | 2           |
| Coating                     | uncoated    |
| Tool material               | HSS E       |
| Standard                    | DIN 338     |
| Type                        | N           |
| Tolerance nominal Ø         | h8          |

|                 |              |
|-----------------|--------------|
| Point angle     | 130 degrees  |
| Through-coolant | no           |
| with case       | no           |
| Colour ring     | red          |
| Type of product | Jobber drill |

## User data

|                                | Suitability                               | V <sub>c</sub> | ISO code |
|--------------------------------|-------------------------------------------|----------------|----------|
| Steel < 500 N/mm <sup>2</sup>  | suitable                                  | 40 m/min       | P        |
| Steel < 750 N/mm <sup>2</sup>  | suitable                                  | 30 m/min       | P        |
| Steel < 900 N/mm <sup>2</sup>  | suitable                                  | 25 m/min       | P        |
| Steel < 1100 N/mm <sup>2</sup> | suitable                                  | 10 m/min       | P        |
| Steel < 1400 N/mm <sup>2</sup> | suitable                                  | 8 m/min        | P        |
| TOOLOX 33                      | suitable                                  | 8 m/min        | H        |
| INOX < 900 N/mm <sup>2</sup>   | suitable                                  | 12 m/min       | M        |
| INOX > 900 N/mm <sup>2</sup>   | suitable only under restricted conditions | 8 m/min        | M        |
| Ti > 850 N/mm <sup>2</sup>     | suitable only under restricted conditions | 5 m/min        | S        |
| GG(G)                          | suitable                                  | 25 m/min       | K        |
| CuZn                           | suitable only under restricted conditions | 80 m/min       | N        |
| Uni                            | suitable                                  |                |          |
| Oil                            | suitable                                  |                |          |
| wet maximum                    | suitable                                  |                |          |

## Accessories

|                                    |            |
|------------------------------------|------------|
| Jobber drill HSS-EN Ø DC h8 9,1 mm | 114400 9,1 |
| Jobber drill HSS-EN Ø DC h8 7,7 mm | 114400 7,7 |

|                                    |            |
|------------------------------------|------------|
| Jobber drill HSS-EN Ø DC h8 8,6 mm | 114400 8,6 |
| Jobber drill HSS-EN Ø DC h8 7,9 mm | 114400 7,9 |
| Jobber drill HSS-EN Ø DC h8 6,1 mm | 114400 6,1 |
| Jobber drill HSS-EN Ø DC h8 6 mm   | 114400 6   |
| Jobber drill HSS-EN Ø DC h8 6,6 mm | 114400 6,6 |
| Jobber drill HSS-EN Ø DC h8 7,2 mm | 114400 7,2 |
| Jobber drill HSS-EN Ø DC h8 7,1 mm | 114400 7,1 |
| Jobber drill HSS-EN Ø DC h8 6,7 mm | 114400 6,7 |
| Jobber drill HSS-EN Ø DC h8 9,6 mm | 114400 9,6 |
| Jobber drill HSS-EN Ø DC h8 8,8 mm | 114400 8,8 |
| Jobber drill HSS-EN Ø DC h8 9,5 mm | 114400 9,5 |
| Jobber drill HSS-EN Ø DC h8 7,8 mm | 114400 7,8 |
| Jobber drill HSS-EN Ø DC h8 8,1 mm | 114400 8,1 |
| Jobber drill HSS-EN Ø DC h8 8 mm   | 114400 8   |
| Jobber drill HSS-EN Ø DC h8 8,9 mm | 114400 8,9 |
| Jobber drill HSS-EN Ø DC h8 8,7 mm | 114400 8,7 |
| Jobber drill HSS-EN Ø DC h8 6,4 mm | 114400 6,4 |
| Jobber drill HSS-EN Ø DC h8 9,4 mm | 114400 9,4 |
| Jobber drill HSS-EN Ø DC h8 7,4 mm | 114400 7,4 |
| Jobber drill HSS-EN Ø DC h8 6,8 mm | 114400 6,8 |
| Jobber drill HSS-EN Ø DC h8 9,8 mm | 114400 9,8 |
| Jobber drill HSS-EN Ø DC h8 6,5 mm | 114400 6,5 |
| Jobber drill HSS-EN Ø DC h8 8,3 mm | 114400 8,3 |
| Jobber drill HSS-EN Ø DC h8 8,4 mm | 114400 8,4 |
| Jobber drill HSS-EN Ø DC h8 8,5 mm | 114400 8,5 |
| Jobber drill HSS-EN Ø DC h8 6,3 mm | 114400 6,3 |
| Jobber drill HSS-EN Ø DC h8 7 mm   | 114400 7   |
| Jobber drill HSS-EN Ø DC h8 7,5 mm | 114400 7,5 |
| Jobber drill HSS-EN Ø DC h8 6,2 mm | 114400 6,2 |

|                                    |            |
|------------------------------------|------------|
| Jobber drill HSS-EN Ø DC h8 10 mm  | 114400 10  |
| Jobber drill HSS-EN Ø DC h8 7,6 mm | 114400 7,6 |
| Jobber drill HSS-EN Ø DC h8 9,9 mm | 114400 9,9 |
| Jobber drill HSS-EN Ø DC h8 9,2 mm | 114400 9,2 |
| Jobber drill HSS-EN Ø DC h8 7,3 mm | 114400 7,3 |
| Jobber drill HSS-EN Ø DC h8 9,3 mm | 114400 9,3 |
| Jobber drill HSS-EN Ø DC h8 9,7 mm | 114400 9,7 |
| Jobber drill HSS-EN Ø DC h8 8,2 mm | 114400 8,2 |
| Jobber drill HSS-EN Ø DC h8 9 mm   | 114400 9   |
| Jobber drill HSS-EN Ø DC h8 6,9 mm | 114400 6,9 |