

## Garant

### Jobber drill extra long HSS N, uncoated, Ø DC h8 × overall length L: 4,8X195 mm



#### Order data

|              |                |
|--------------|----------------|
| Order number | 116245 4,8X195 |
| GTIN         | 4045197955548  |
| Item class   | 11B            |

#### Description

##### Version:

With precision ground point.

Vaporised high performance drills for drilling particularly deep holes. Take particular care to ensure **frequent chip clearance**.

##### Recommendation:

Maximum drilling depth:

Flute length  $L_c$  (see table) less  $1.5 \times \varnothing D_c$ .

##### Note:

Suitable NC spotting drills No. 112103, 112110 and 112160 with **120° tip angle** for enhanced process reliability

Through-coolant: no

Standard: DIN 1869

Tolerance nominal  $\varnothing$ : h8

Point angle: 118 degrees

Number of cutting edges Z: 2

Flute length  $L_c$ : 135 mm

Overall length L: 195 mm

Shank  $\varnothing D_s$ : 4.8 mm

Feed f in steel <  $750 \text{ N/mm}^2$ : 0.05 mm/rev.

#### Technical description

|                         |        |
|-------------------------|--------|
| Shank $\varnothing D_s$ | 4.8 mm |
| Overall length L        | 195 mm |
| Flute length $L_c$      | 135 mm |

|   |              |
|---|--------------|
| Tolerance nominal $\varnothing$         | h8           |
| Number of cutting edges Z               | 2            |
| Nominal $\varnothing D_c$               | 4.8 mm       |
| Standard                                | DIN 1869     |
| Feed f in steel < 750 N/mm <sup>2</sup> | 0.05 mm/rev. |
| Point angle                             | 118 degrees  |
| Coating                                 | uncoated     |
| Tool material                           | HSS          |
| Type                                    | N            |
| Helix angle                             | 38 degrees   |
| Shank                                   | Plain shank  |
| Through-coolant                         | no           |
| Colour ring                             | without      |
| Type of product                         | Jobber drill |