



HSS jobber drill N, uncoated, Ø DC h8: 21mm



Order data

| | |
|--------------|---------------|
| Order number | 116320 21 |
| GTIN | 4045197029652 |
| Item class | 12C |

Description

Version:

Special surface treatment, resulting in reduced tendency to edge build-up **and improved chip evacuation.**

Recommendation:

Maximum drilling depth:

$$L_2 = L_c - 1.5 \times D_c.$$

Note:

For suitable reducing adapters for tools with MT shanks see **No. 343000-343530.**

Technical description

| | |
|---|-------------|
| Nominal Ø D _c | 21 mm |
| Flute length L _c | 145 mm |
| Number of cutting edges Z | 2 |
| Feed f in steel < 750 N/mm ² | 0.2 mm/rev. |
| Tolerance nominal Ø | h8 |
| Overall length L | 243 mm |
| Morse taper MT size | 2 |
| Standard | DIN 345 |
| recommended maximum drilling depth L ₂ | 113.5 mm |
| Point angle | 118 degrees |
| Shank | Morse taper |

| | |
|-----------------|---------------|
| Coating | uncoated |
| Tool material | HSS |
| Type | N |
| Helix angle | 20-30 degrees |
| Through-coolant | no |
| Colour ring | without |
| Type of product | Jobber drill |

User data

| | Suitability | V _c | ISO code |
|-------------------------------|---|----------------|----------|
| Steel < 500 N/mm ² | suitable | 40 m/min | P |
| Steel < 750 N/mm ² | suitable | 30 m/min | P |
| Steel < 900 N/mm ² | suitable only under restricted conditions | 25 m/min | P |
| GG(G) | suitable only under restricted conditions | 25 m/min | K |
| Oil | suitable | | |
| wet maximum | suitable | | |