

High-performance deep hole drill, solid carbide TiAlN HPC 30xD with internal cooling HA

For universal use up to 1300 N/mm²



Application

For HPC deep-hole boring up to a strength of 1300 N/mm².

Version

- High-performance deep hole drill, solid carbide TiAlN
- 4 drill heels
- Four grinding faces
- 30° spiral angle
- Straight main cutting edge

Advantage

- very good all-round properties and precise cutting performance with high cutting rates
- unique, extremely hard, low-friction, temperature-resistant and form-fitting TiAlN coating ensures a longer service life
- Cutting edge preparation minimises micro-fractures on the cutter
- the entire range is coordinated in terms of angle and diameter

| Application | Steel (N/mm ²) | | | Stainless steel | | Alu | | Brass | | Bronze | | Plas-tics | Graphite G(C)FK | GG(G) GjMW | Titan-alloy | Nickel-alloy | Super-alloy | Hard mat. | |
|-------------|----------------------------|-------|-------|-----------------|---------|-------|------|-------|------|--------|------|-----------|-----------------|------------|-------------|--------------|-------------|-----------|---------|
| | <700 | <1000 | <1300 | marten. | austen. | short | long | short | long | short | long | | | | | | | <55 HRC | <65 HRC |
| | 80 | 60 | 40 | 35 | 30 | 150 | | 160 | 140 | 140 | 120 | | | 70 | 30 | 20 | 20 | | |

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|---|-------------------|
| Art. No. | 11182 046 |
| Cutting edge diameter | 4.6 mm |
| Tolerance of cutting edge diameter | h7 |
| Cutting material | VHM |
| Surface | TiAlN |
| Max. drilling depth (D) | 30xD |
| Type | HPC UNI |
| Coolant supply | Internal |
| Tool holding device | HA parallel shank |
| Angle of the tip | 135 Degree |
| Shaft diameter | 6 mm |
| Chip flute length | 165 mm |
| Length | 215 mm |
| f steel 1000 | 0.08 mm/r |

EAN-Code

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