

High-performance drill SC TiAlNplus HPC 5xD with internal cooling HB

for universal use up to 1300 N/mm²

ATORN[®]



Application

for HPC boring up to a strength of 1300 N/mm²

Version

- solid carbide TiAlNplus high-performance drill
- 2 drill heels
- Cone polished section
- 30° spiral angle
- Straight main cutting edge

Advantage

- economic drilling in a wide variety of materials with high cutting values
- newly developed geometry in conjunction with a multi-layer coating individually tailored to drilling ensures significantly longer service lives
- Cutting edge finishing reduces micro-fractures and increases the service life

| 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 |
| | 135 | 110 | 90 | 35 | 30 | 210 | 260 | 230 | 180 | 160 | 130 | 60 | | 110 | 40 | 35 | 30 | | |

| | |
|---|-------------------|
| Art. No. | 11105 236 |
| Cutting edge diameter | 3.6 mm |
| Tolerance of cutting edge diameter | h7 |
| Cutting material | VHM |
| Surface | TiAlN plus |
| Max. drilling depth (D) | 5xD |
| Type | HPC UNI |
| Coolant supply | Internal |
| Tool holding device | HB parallel shank |
| Angle of the tip | 140 Degree |
| Shaft diameter | 6 mm |
| Chip flute length | 28 mm |
| Length | 66 mm |
| f steel 1000 | 0.16 mm/r |
| DIN | 6537 |

EAN-Code

4050293526400