

MTB2700315E





















Type: High-performance Pilot Drill with reinforced shank

| d1 | d2 | d3 | l1 | l2 | l3 |
|------|------|------|----|-----|-------|
| 3,15 | 6,00 | 4,80 | 60 | 6,3 | 23,00 |

| Coolant holes | Cut | Point angle | Spiral angle | Cutting edges Z |
|---------------|-------|-------------|--------------|-----------------|
| No | Right | 130° | Variable | 2 |

| Coated | Coating type | Material | Material type | Norm |
|--------|--------------|----------|---------------|------|
| Yes | Alcrona | MD | SMG SP | TUSA |

Machinable Materials

| Cod. | Material type | Machinability | Cutting speed Vc | Advancement per revolution fn |
|------------|---|---|------------------|-------------------------------|
| | | Recommended Part. recommended Not recommended | (m/min) | (mm/rev) |
| P01 | Unalloyed steels up to 800 N/mm2 |  | 65 : 80 | 0.14-0.16 |
| P02 | Low alloy steels from 800 N/mm2 to 1100 N/mm2 |  | 50 : 60 | 0.13-0.15 |
| P03 | Highly alloyed steels from 1100 N/mm2 to 1400 N/mm2 |  | 40 : 50 | 0.12-0.14 |
| M01 | Ferritic stainless steels |  | 35 : 40 | 0.07-0.08 |
| M02 | Martensitic stainless steels |  | 40 : 50 | 0.07-0.08 |
| M03 | Martensitic stainless steels - PH |  | 40 : 50 | 0.07-0.08 |
| M04 | Austenitic stainless steels |  | 25 : 30 | 0.06-0.07 |
| K01 | Gray/lamellar cast iron |  | 70 : 80 | 0.10-0.12 |
| K02 | Nodular/nodular cast iron |  | 60 : 70 | 0.09-0.11 |
| N01 | Drawn aluminum alloys |  | 115 : 125 | 0.13-0.15 |
| N02 | Die-cast aluminum alloys |  | 115 : 125 | 0.12-0.135 |
| N03 | Copper |  | 65 : 80 | 0.10-0.115 |
| N04 | Brass - Bronze |  | 90 : 100 | 0.125-0.14 |
| N05 | Lead-free brass |  | 80 : 90 | 0.105-0.120 |
| S01 | Super alloys (Inconel - Hastelloy - Nimonic) |  | 15 : 20 | 0.05-0.06 |
| S02 | Pure titanium (Grade 2 - Grade 4) |  | 20 : 30 | 0.06-0.07 |
| S03 | Titanium alloys (Grade 5) |  | 20 : 30 | 0.08-0.09 |
| S04 | Cobalt Chrome Alloys |  | 15 : 20 | 0.08-0.09 |
| H01 | Hardened steels up to 55 HRC |  | 15 : 20 | 0.02-0.025 |
| H02 | Hardened steels from 55 HRC |  | - | - |



SWISS HIGH PRECISION TOOLS



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