



## TA80300053

**Type:** Centesimal drill without coolant holes for steel

| d1   | d2   | l1 | l2   | l3   |
|------|------|----|------|------|
| 0,53 | 3,00 | 38 | 4,00 | 4,40 |

| Coolant holes | Cut   | Point angle | Spiral angle | Cutting edges Z |
|---------------|-------|-------------|--------------|-----------------|
| No            | Right | 130°        | 35°          | 2               |

| Coated | Coating type | Material | Material type | Norm |
|--------|--------------|----------|---------------|------|
| Yes    | ALCRONOS     | MD       | SMG 10        | TUSA |

| Machinable Materials |                                                     |                                                                                     |                     |                                  |
|----------------------|-----------------------------------------------------|-------------------------------------------------------------------------------------|---------------------|----------------------------------|
| Cod.                 | Material type                                       | Machinability                                                                       | Cutting speed<br>Vc | Advancement per<br>revolution fn |
|                      |                                                     | Recommended<br>Part.<br>recommended<br>Not<br>recommended                           | (m/min)             | (mm/rev)                         |
| P01                  | Unalloyed steels up to 800 N/mm2                    |    | 12 : 35             | 0.007-0.015                      |
| P02                  | Low alloy steels from 800 N/mm2 to 1100 N/mm2       |    | 9 : 28              | 0.006-0.0014                     |
| P03                  | Highly alloyed steels from 1100 N/mm2 to 1400 N/mm2 |    | 7 : 23              | 0.005-0.013                      |
| M01                  | Ferritic stainless steels                           |    | 9 : 28              | 0.004-0.011                      |
| M02                  | Martensitic stainless steels                        |    | 8 : 20              | 0.003-0.009                      |
| M03                  | Martensitic stainless steels - PH                   |    | 8 : 20              | 0.003-0.009                      |
| M04                  | Austenitic stainless steels                         |   | 8 : 20              | 0.003-0.009                      |
| K01                  | Gray/lamellar cast iron                             |  | 12 : 35             | 0.005-0.0013                     |
| K02                  | Nodular/nodular cast iron                           |  | 10 : 30             | 0.006-0.014                      |
| N01                  | Drawn aluminum alloys                               |  | 19 : 45             | 0.05-0.013                       |
| N02                  | Die-cast aluminum alloys                            |  | 17 : 45             | 0.006-0.015                      |
| N03                  | Copper                                              |  | 15 : 35             | 0.006-0.013                      |
| N04                  | Brass - Bronze                                      |  | 15 : 35             | 0.004-0.010                      |
| N05                  | Lead-free brass                                     |  | 18 : 40             | 0.005-0.013                      |
| S01                  | Super alloys (Inconel - Hastelloy - Nimonic)        |  | 7 : 23              | 0.005-0.013                      |
| S02                  | Pure titanium (Grade 2 - Grade 4)                   |  | 8 : 18              | 0.003-0.007                      |
| S03                  | Titanium alloys (Grade 5)                           |  | 8 : 18              | 0.003-0.007                      |
| S04                  | Cobalt Chrome Alloys                                |  | 7 : 12              | 0.003-0.007                      |
| H01                  | Hardened steels up to 55 HRC                        |  | 7 : 12              | 0.003-0.007                      |

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|                      |                                                     | Recommended<br>Part.<br>recommended<br>Not<br>recommended                           | (m/min)          | (mm/rev)                      |
| P01                  | Unalloyed steels up to 800 N/mm2                    |    | 12 : 35          | 0.007-0.015                   |
| P02                  | Low alloy steels from 800 N/mm2 to 1100 N/mm2       |    | 9 : 28           | 0.006-0.0014                  |
| P03                  | Highly alloyed steels from 1100 N/mm2 to 1400 N/mm2 |    | 7 : 23           | 0.005-0.013                   |
| M01                  | Ferritic stainless steels                           |    | 9 : 28           | 0.004-0.011                   |
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| K01                  | Gray/lamellar cast iron                             |  | 12 : 35          | 0.005-0.0013                  |
| K02                  | Nodular/nodular cast iron                           |  | 10 : 30          | 0.006-0.014                   |
| N01                  | Drawn aluminum alloys                               |  | 19 : 45          | 0.05-0.013                    |
| N02                  | Die-cast aluminum alloys                            |  | 17 : 45          | 0.006-0.015                   |
| N03                  | Copper                                              |  | 15 : 35          | 0.006-0.013                   |
| N04                  | Brass - Bronze                                      |  | 15 : 35          | 0.004-0.010                   |
| N05                  | Lead-free brass                                     |  | 18 : 40          | 0.005-0.013                   |
| S01                  | Super alloys (Inconel - Hastelloy - Nimonic)        |  | 7 : 23           | 0.005-0.013                   |
| S02                  | Pure titanium (Grade 2 - Grade 4)                   |  | 8 : 18           | 0.003-0.007                   |
| S03                  | Titanium alloys (Grade 5)                           |  | 8 : 18           | 0.003-0.007                   |
| S04                  | Cobalt Chrome Alloys                                |  | 7 : 12           | 0.003-0.007                   |
| H01                  | Hardened steels up to 55 HRC                        |  | 7 : 12           | 0.003-0.007                   |
| H02                  | Hardened steels from 55 HRC                         |  | -                | -                             |