

| d <sub>1</sub><br>[mm] | l <sub>2</sub><br>[mm] | l <sub>1</sub><br>[mm] | α<br>[°] | Spiral<br>angle β<br>[°] | Version |  | Item no. | Designation                   |
|------------------------|------------------------|------------------------|----------|--------------------------|---------|-----------------------------------------------------------------------------------|----------|-------------------------------|
| 11.1                   | 94                     | 142                    | 118      | 25 – 30                  | STEEL   | 5                                                                                 | 25203708 | SPB DIN 338 HSSG N 11,1 STEEL |
| 11.2                   | 94                     | 142                    | 118      | 25 – 30                  | STEEL   | 5                                                                                 | 25203709 | SPB DIN 338 HSSG N 11,2 STEEL |
| 11.3                   | 94                     | 142                    | 118      | 25 – 30                  | STEEL   | 5                                                                                 | 25203710 | SPB DIN 338 HSSG N 11,3 STEEL |
| 11.4                   | 94                     | 142                    | 118      | 25 – 30                  | STEEL   | 5                                                                                 | 25203711 | SPB DIN 338 HSSG N 11,4 STEEL |
| 11.5                   | 94                     | 142                    | 118      | 25 – 30                  | STEEL   | 5                                                                                 | 25203544 | SPB DIN 338 HSSG N 11,5 STEEL |
| 11.6                   | 94                     | 142                    | 118      | 25 – 30                  | STEEL   | 5                                                                                 | 25203712 | SPB DIN 338 HSSG N 11,6 STEEL |
| 11.7                   | 94                     | 142                    | 118      | 25 – 30                  | STEEL   | 5                                                                                 | 25203713 | SPB DIN 338 HSSG N 11,7 STEEL |
| 11.8                   | 94                     | 142                    | 118      | 25 – 30                  | STEEL   | 5                                                                                 | 25203714 | SPB DIN 338 HSSG N 11,8 STEEL |
| 11.9                   | 101                    | 151                    | 118      | 25 – 30                  | STEEL   | 5                                                                                 | 25203715 | SPB DIN 338 HSSG N 11,9 STEEL |
| 12                     | 101                    | 151                    | 118      | 25 – 30                  | STEEL   | 5                                                                                 | 25203545 | SPB DIN 338 HSSG N 12,0 STEEL |
| 12.1                   | 101                    | 151                    | 118      | 25 – 30                  | STEEL   | 5                                                                                 | 25203716 | SPB DIN 338 HSSG N 12,1 STEEL |
| 12.2                   | 101                    | 151                    | 118      | 25 – 30                  | STEEL   | 5                                                                                 | 25203717 | SPB DIN 338 HSSG N 12,2 STEEL |
| 12.3                   | 101                    | 151                    | 118      | 25 – 30                  | STEEL   | 5                                                                                 | 25203718 | SPB DIN 338 HSSG N 12,3 STEEL |
| 12.4                   | 101                    | 151                    | 118      | 25 – 30                  | STEEL   | 5                                                                                 | 25203719 | SPB DIN 338 HSSG N 12,4 STEEL |
| 12.5                   | 101                    | 151                    | 118      | 25 – 30                  | STEEL   | 5                                                                                 | 25203546 | SPB DIN 338 HSSG N 12,5 STEEL |
| 12.6                   | 101                    | 151                    | 118      | 25 – 30                  | STEEL   | 5                                                                                 | 25203720 | SPB DIN 338 HSSG N 12,6 STEEL |
| 12.7                   | 101                    | 151                    | 118      | 25 – 30                  | STEEL   | 5                                                                                 | 25203721 | SPB DIN 338 HSSG N 12,7 STEEL |
| 12.8                   | 101                    | 151                    | 118      | 25 – 30                  | STEEL   | 5                                                                                 | 25203722 | SPB DIN 338 HSSG N 12,8 STEEL |
| 12.9                   | 101                    | 151                    | 118      | 25 – 30                  | STEEL   | 5                                                                                 | 25203818 | SPB DIN 338 HSSG N 12,9 STEEL |
| 13                     | 101                    | 151                    | 118      | 25 – 30                  | STEEL   | 5                                                                                 | 25203547 | SPB DIN 338 HSSG N 13,0 STEEL |
| 13.5                   | 108                    | 160                    | 118      | 25 – 30                  | STEEL   | 1                                                                                 | 25203723 | SPB DIN 338 HSSG N 13,5 STEEL |
| 14                     | 108                    | 160                    | 118      | 25 – 30                  | STEEL   | 1                                                                                 | 25203724 | SPB DIN 338 HSSG N 14,0 STEEL |
| 14.5                   | 114                    | 169                    | 118      | 25 – 30                  | STEEL   | 1                                                                                 | 25203725 | SPB DIN 338 HSSG N 14,5 STEEL |
| 15                     | 114                    | 169                    | 118      | 25 – 30                  | STEEL   | 1                                                                                 | 25203726 | SPB DIN 338 HSSG N 15,0 STEEL |
| 15.5                   | 120                    | 178                    | 118      | 25 – 30                  | STEEL   | 1                                                                                 | 25203727 | SPB DIN 338 HSSG N 15,5 STEEL |
| 16                     | 120                    | 178                    | 118      | 25 – 30                  | STEEL   | 1                                                                                 | 25203728 | SPB DIN 338 HSSG N 16,0 STEEL |



### DIN 338 HSSG N STEEL spiral drills, 19-piece set

The set contains 19 HSS spiral drills in the STEEL in HSSG (M2) type for industrial uses.

#### Contents:

The set consists of 19 HSS spiral drills in the STEEL in HSSG (M2) version with dia. 1.0 to 10.0 mm, in increments of 0.5 mm.

#### Special features:

- The sturdy plastic box protects the tools against dirt and damage.
- The securing of the HSS spiral drills facilitates the selection and withdrawal of the tools.

| Contents<br>[Piece] | Version |  | Item no. | Designation                             |
|---------------------|---------|-------------------------------------------------------------------------------------|----------|-----------------------------------------|
| 19                  | STEEL   | 1                                                                                   | 25203701 | SET SPB DIN 338 HSSG N 1-10 STEEL 19TLG |



### DIN 338 HSSG N STEEL spiral drills, 25-piece set

The set contains 25 HSS spiral drills in the STEEL in HSSG (M2) type for industrial uses.

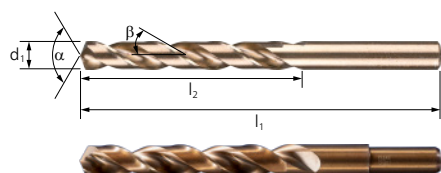
#### Contents:

The set consists of 25 HSS spiral drills with dia. 1.0 to 13.0 mm, in increments of 0.5 mm.

#### Special features:

- The sturdy plastic box protects the tools against dirt and damage.
- The securing of the HSS spiral drills facilitates the selection and withdrawal of the tools.

| Contents [Piece] | Version |  | Item no. | Designation                             |
|------------------|---------|-----------------------------------------------------------------------------------|----------|-----------------------------------------|
| 25               | STEEL   | 1                                                                                 | 25203702 | SET SPB DIN 338 HSSG N 1-13 STEEL 25TLG |



### DIN 338 HSSE N INOX spiral drill

High-performance drilling tools in the INOX in HSSE-Co5 (M35) version for industrial uses on tough and hard materials such as alloyed and high-strength steel and stainless steel (INOX). Fully ground, right-hand turning version with cross grinding. With dia. 13 x 35 mm stepped shank as from a drill dia. of 13.5 mm.

#### Special features:

- Very good temperature resistance due to Co content as well as robust tip profile.
- Very long tool life and easy centring.
- Good chip removal and high concentricity.

| d <sub>1</sub> [mm] | l <sub>2</sub> [mm] | l <sub>1</sub> [mm] | α [°] | Spiral angle β [°] | Version |  | Item no. | Designation                 |
|---------------------|---------------------|---------------------|-------|--------------------|---------|-------------------------------------------------------------------------------------|----------|-----------------------------|
| 1                   | 12                  | 34                  | 135   | 36                 | INOX    | 10                                                                                  | 25203548 | SPB DIN 338 HSSE N 1,0 INOX |
| 1.1                 | 14                  | 36                  | 135   | 36                 | INOX    | 10                                                                                  | 25203729 | SPB DIN 338 HSSE N 1,1 INOX |
| 1.2                 | 16                  | 38                  | 135   | 36                 | INOX    | 10                                                                                  | 25203730 | SPB DIN 338 HSSE N 1,2 INOX |
| 1.3                 | 16                  | 38                  | 135   | 36                 | INOX    | 10                                                                                  | 25203731 | SPB DIN 338 HSSE N 1,3 INOX |
| 1.4                 | 18                  | 40                  | 135   | 36                 | INOX    | 10                                                                                  | 25203732 | SPB DIN 338 HSSE N 1,4 INOX |
| 1.5                 | 18                  | 40                  | 135   | 36                 | INOX    | 10                                                                                  | 25203549 | SPB DIN 338 HSSE N 1,5 INOX |
| 1.6                 | 20                  | 43                  | 135   | 36                 | INOX    | 10                                                                                  | 25203550 | SPB DIN 338 HSSE N 1,6 INOX |
| 1.7                 | 20                  | 43                  | 135   | 36                 | INOX    | 10                                                                                  | 25203733 | SPB DIN 338 HSSE N 1,7 INOX |
| 1.8                 | 22                  | 46                  | 135   | 36                 | INOX    | 10                                                                                  | 25203734 | SPB DIN 338 HSSE N 1,8 INOX |
| 1.9                 | 22                  | 46                  | 135   | 36                 | INOX    | 10                                                                                  | 25203735 | SPB DIN 338 HSSE N 1,9 INOX |
| 2                   | 24                  | 49                  | 135   | 36                 | INOX    | 10                                                                                  | 25203551 | SPB DIN 338 HSSE N 2,0 INOX |
| 2.1                 | 24                  | 49                  | 135   | 36                 | INOX    | 10                                                                                  | 25203736 | SPB DIN 338 HSSE N 2,1 INOX |
| 2.2                 | 27                  | 53                  | 135   | 36                 | INOX    | 10                                                                                  | 25203737 | SPB DIN 338 HSSE N 2,2 INOX |
| 2.3                 | 27                  | 53                  | 135   | 36                 | INOX    | 10                                                                                  | 25203738 | SPB DIN 338 HSSE N 2,3 INOX |
| 2.4                 | 30                  | 57                  | 135   | 36                 | INOX    | 10                                                                                  | 25203739 | SPB DIN 338 HSSE N 2,4 INOX |
| 2.5                 | 30                  | 57                  | 135   | 36                 | INOX    | 10                                                                                  | 25203552 | SPB DIN 338 HSSE N 2,5 INOX |
| 2.6                 | 30                  | 57                  | 135   | 36                 | INOX    | 10                                                                                  | 25203740 | SPB DIN 338 HSSE N 2,6 INOX |
| 2.7                 | 33                  | 53                  | 135   | 36                 | INOX    | 10                                                                                  | 25203741 | SPB DIN 338 HSSE N 2,7 INOX |
| 2.8                 | 33                  | 61                  | 135   | 36                 | INOX    | 10                                                                                  | 25203742 | SPB DIN 338 HSSE N 2,8 INOX |
| 2.9                 | 33                  | 61                  | 135   | 36                 | INOX    | 10                                                                                  | 25203743 | SPB DIN 338 HSSE N 2,9 INOX |
| 3                   | 33                  | 61                  | 135   | 36                 | INOX    | 10                                                                                  | 25203553 | SPB DIN 338 HSSE N 3,0 INOX |
| 3.1                 | 36                  | 65                  | 135   | 36                 | INOX    | 10                                                                                  | 25203554 | SPB DIN 338 HSSE N 3,1 INOX |
| 3.2                 | 36                  | 65                  | 135   | 36                 | INOX    | 10                                                                                  | 25203744 | SPB DIN 338 HSSE N 3,2 INOX |
| 3.3                 | 36                  | 65                  | 135   | 36                 | INOX    | 10                                                                                  | 25203555 | SPB DIN 338 HSSE N 3,3 INOX |
| 3.4                 | 39                  | 70                  | 135   | 36                 | INOX    | 10                                                                                  | 25203556 | SPB DIN 338 HSSE N 3,4 INOX |
| 3.5                 | 39                  | 70                  | 135   | 36                 | INOX    | 10                                                                                  | 25203557 | SPB DIN 338 HSSE N 3,5 INOX |
| 3.6                 | 39                  | 70                  | 135   | 36                 | INOX    | 10                                                                                  | 25203558 | SPB DIN 338 HSSE N 3,6 INOX |

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