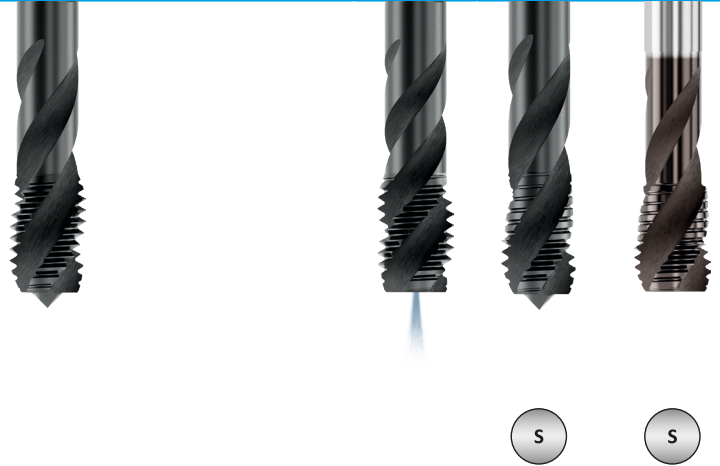
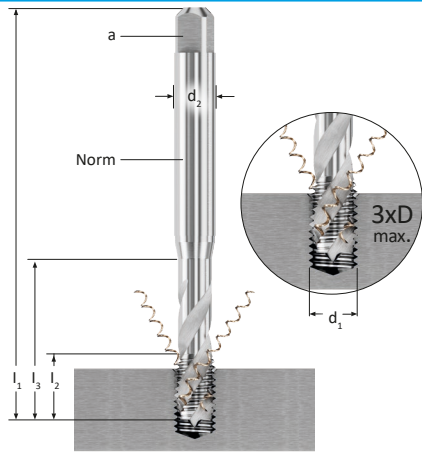
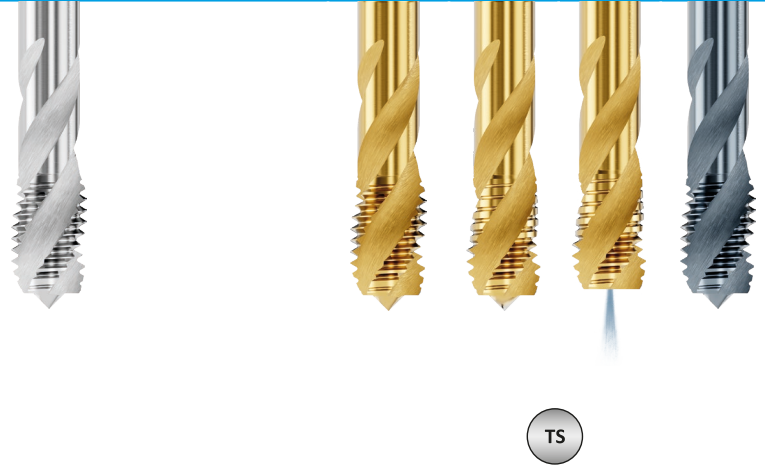
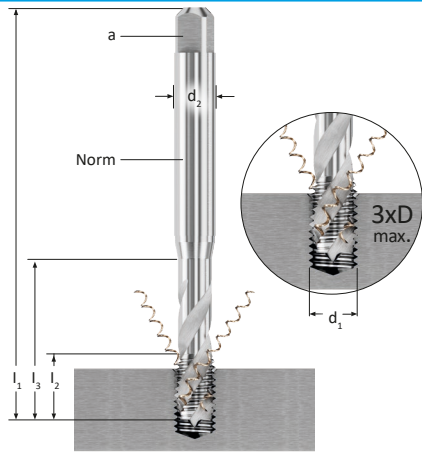




| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |      |                                                                                   |                    |                |                |                |                |            |           | VAP     |                        |           |           |           |           |           | ALTINHD      |
|------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|--------------------|----------------|----------------|----------------|----------------|------------|-----------|---------|------------------------|-----------|-----------|-----------|-----------|-----------|--------------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |      |                                                                                   |                    |                |                |                |                |            |           | HSSE    |                        |           |           |           |           |           | HSSE         |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |      |                                                                                   |                    |                |                |                |                |            |           | C / 2-3 |                        |           | E / 1,5-2 |           | E / 1,5-2 | C / 2-3   | C / 2-3      |
| d <sub>1</sub>                                                   | P    |  | NORM               | I <sub>1</sub> | I <sub>2</sub> | I <sub>3</sub> | d <sub>2</sub> | a          |           | ISO1    | ISO2                   | 7G        | ISO2      | ISO3      | ISO2      | ISO2      |              |
| M 2                                                              | 0,4  | 1,6                                                                               | DIN 371            | 45             | 4              | 12             | 2,8            | 2,1        |           |         | 6642ABEAA              |           |           |           |           |           |              |
| M 2,2                                                            | 0,45 | 1,75                                                                              | DIN 371            | 45             | 4,5            | 12             | 2,8            | 2,1        |           |         | 6642ABFAA              |           |           |           |           |           |              |
| M 2,3                                                            | 0,4  | 1,9                                                                               | DIN 371            | 45             | 4,4            | 12             | 2,8            | 2,1        |           |         | 6642ABGAA              |           |           |           |           |           |              |
| M 2,5                                                            | 0,45 | 2,05                                                                              | DIN 371            | 50             | 5              | 14             | 2,8            | 2,1        |           |         | 6642ABHAA              |           |           |           |           |           |              |
| M 2,6                                                            | 0,45 | 2,15                                                                              | DIN 371            | 50             | 5              | 14             | 2,8            | 2,1        |           |         | 6642ABIAA              |           |           |           |           |           |              |
| M 3                                                              | 0,5  | 2,5                                                                               | DIN 371<br>DIN 376 | 56<br>56       | 5<br>6         | 18<br>-        | 3,5<br>2,2     | 2,7<br>-   | 6642ADHAA |         | 6642ABJAA<br>7642AJUAA | 6642AMSAA | 6642ABJAU | 6642AHDAB |           | 6652AARAA |              |
| M 3,5                                                            | 0,6  | 2,9                                                                               | DIN 371            | 56             | 7              | 20             | 4              | 3          |           |         | 6642ABKAA              |           | 6642A4204 |           |           |           |              |
| M 4                                                              | 0,7  | 3,3                                                                               | DIN 371<br>DIN 376 | 63<br>63       | 7<br>7         | 21<br>-        | 4,5<br>2,8     | 3,4<br>2,1 | 6642ADJAA |         | 6642ABLAA<br>7642AJVAA | 6642AIXAB | 6642ABLA1 | 6642AEUAA |           | 6652AAHAA |              |
| M 5                                                              | 0,8  | 4,2                                                                               | DIN 371<br>DIN 376 | 70<br>70       | 8<br>8         | 25<br>-        | 6<br>3,5       | 4,9<br>2,7 | 6642ADKAA |         | 6642ABMAA<br>7642AJWAA | 6642AIYAB | 6642ABMA9 | 6642AD3AC | 6852AAAAA | 6652AAAAA |              |
| M 6                                                              | 1    | 5                                                                                 | DIN 371<br>DIN 376 | 80<br>80       | 10<br>10       | 30<br>-        | 6<br>4,5       | 4,9<br>3,4 | 6642ADLAA |         | 6642ABNAA<br>7642ADWAB | 6642AK0AA | 6642ABNBW | 6642AEJAD | 6852AABAA | 6652AABAA |              |
| M 7                                                              | 1    | 6                                                                                 | DIN 371            | 80             | 10             | 30             | 7              | 5,5        |           |         | 6642ACEAA              |           |           |           |           |           |              |
| M 8                                                              | 1,25 | 6,8                                                                               | DIN 371<br>DIN 376 | 90<br>90       | 14<br>14       | 35<br>-        | 8<br>6         | 6,2<br>4,9 | 6642ADMAA |         | 6642ABPAA<br>7642AFCAB | 6642AF7AA | 6642ABPBS | 6642AIGAG | 6852AACAA | 6652AACAA |              |
| M 10                                                             | 1,5  | 8,5                                                                               | DIN 371<br>DIN 376 | 100<br>100     | 16<br>16       | 39<br>-        | 10<br>7        | 8<br>5,5   | 6642ADNAA |         | 6642ABQAA<br>7642AEPAB | 6642AF8AA | 6642ABQBQ | 6642AFPAC | 6852AADAA | 6652AADAA |              |
| M 12                                                             | 1,75 | 10,2                                                                              | DIN 371<br>DIN 376 | 110<br>110     | 18<br>18       | 44<br>-        | 12<br>9        | 9<br>7     |           |         | 6642ABRAA<br>7642ABCAB | 7642ANLAA | 7642ABCB  | 7642A4433 | 7852AAAAA | 7652AAAAA |              |
| M 14                                                             | 2    | 12                                                                                | DIN 376            | 110            | 20             | -              | 11             | 9          |           |         | 7642ABDAA              |           | 7642A4212 |           | 7852AABAA | 7652AABAA |              |
| M 16                                                             | 2    | 14                                                                                | DIN 376            | 110            | 22             | -              | 12             | 9          |           |         | 7642ABEAB              | 7642A4092 | 7642ABEBM | 7642A4435 | 7852AACAA | 7652AACAA |              |
| M 18                                                             | 2,5  | 15,5                                                                              | DIN 376            | 125            | 25             | -              | 14             | 11         |           |         | 7642ABFAB              |           | 7642A4215 |           |           |           |              |
| M 20                                                             | 2,5  | 17,5                                                                              | DIN 376            | 140            | 25             | -              | 16             | 12         |           |         | 7642ABGAB              | 7642A4093 | 7642ABGA9 | 7642A4437 | 7852AADAA | 7652AAEAA |              |
| M 22                                                             | 2,5  | 19,5                                                                              | DIN 376            | 140            | 27             | -              | 18             | 14,5       |           |         | 7642ABHAB              |           | 7642A4218 |           |           |           |              |
| M 24                                                             | 3    | 21                                                                                | DIN 376            | 160            | 30             | -              | 18             | 14,5       |           |         | 7642ABIAA              |           | 7642A4219 |           |           |           | 7652S0559739 |
| M 27                                                             | 3    | 24                                                                                | DIN 376            | 160            | 30             | -              | 20             | 16         |           |         | 7642AA8AA              |           |           |           |           |           | 7652S0559743 |
| M 30                                                             | 3,5  | 26,5                                                                              | DIN 376            | 180            | 35             | -              | 22             | 18         |           |         | 7642AA9AA              |           |           |           |           |           | 7652S0559747 |
| M 33                                                             | 3,5  | 29,5                                                                              | DIN 376            | 180            | 35             | -              | 25             | 20         |           |         | 7642ABAAA              |           |           |           |           |           | 7652S0559750 |
| M 36                                                             | 4    | 32                                                                                | DIN 376            | 200            | 40             | -              | 28             | 22         |           |         | 7642ABBAA              |           |           |           |           |           | 7652S0559755 |
| M 39                                                             | 4    | 35                                                                                | DIN 376            | 200            | 35             | -              | 32             | 24         |           |         |                        |           |           |           |           |           | 7652S0559759 |
| M 42                                                             | 4,5  | 37,5                                                                              | DIN 376            | 200            | 40             | -              | 32             | 24         |           |         |                        |           |           |           |           |           | 7652S0559763 |
| M 45                                                             | 4,5  | 40,5                                                                              | DIN 376            | 220            | 58             | -              | 36             | 29         |           |         |                        |           |           |           |           |           | 7652S0559767 |
| M 48                                                             | 5    | 43                                                                                | DIN 376            | 250            | 65             | -              | 36             | 29         |           |         |                        |           |           |           |           |           | 7652S0559774 |
| M 52                                                             | 5    | 47                                                                                | DIN 376            | 250            | 65             | -              | 40             | 32         |           |         |                        |           |           |           |           |           | 7652S0559780 |



| TIN       |           | TICN      | ALTiNHD   |           |           |           | -         | TIN       |                |      |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------|------|
| HSSE      |           | HSSE      | HSSE      |           |           |           | HSSE      | HSSE      |                |      |
| C / 2-3   | E / 1,5-2 | C / 2-3   | C / 2-3   |           |           | E / 1,5-2 | C / 2-3   | C / 2-3   |                |      |
| ISO2      | ISO2      | ISO2      | ISO2      | ISO3      | 7G        | ISO2      | ISO2X     | ISO2X     | d <sub>1</sub> | P    |
| 6642ABEAB |           |           |           |           |           |           |           |           | M 2            | 0,4  |
|           |           |           |           |           |           |           |           |           | M 2,2          | 0,45 |
|           |           |           |           |           |           |           |           |           | M 2,3          | 0,4  |
| 6642B0180 |           |           |           |           |           |           |           |           | M 2,5          | 0,45 |
|           |           |           |           |           |           |           |           |           | M 2,6          | 0,45 |
| 6642ABJAB | 6642ABJAV | 6642ABJAR | 6470F0002 | 6470F0007 | 6470F0008 |           | 666CB0284 | 666CB0293 | M 3            | 0,5  |
|           |           |           |           |           |           |           |           |           | M 3,5          | 0,6  |
| 6642ABLAB | 6642ABLA2 | 6642ABLAU | 6470F0003 | 6470F0009 | 6470F0010 |           | 666CB0285 | 666CB0294 | M 4            | 0,7  |
| 6642ABMAB | 6642ABMBB | 6642ABMA4 | 6470F0004 | 6470F0011 | 6470F0012 | 6480F0001 | 666CB0286 | 666CB0295 | M 5            | 0,8  |
| 6642ABNAB | 6642ABNB3 | 6642ABNBK | 6470F0005 | 6470F0013 | 6470F0014 | 6480F0002 | 666CB0287 | 666CB0296 | M 6            | 1    |
|           |           |           |           |           |           |           |           |           | M 7            | 1    |
| 6642ABPAB | 6642ABPBU | 6642ABPBG | 6470F0006 | 6470F0015 | 6470F0016 | 6480F0003 | 666CB0288 | 666CB0297 | M 8            | 1,25 |
| 6642ABQAB | 6642ABQBT | 6642ABQBG | 6470F0001 | 6470F0017 | 6470F0018 | 6480F0004 | 666CB0289 | 666CB0298 | M 10           | 1,5  |
| 6642ABRAB |           | 6642ABRA0 |           |           |           |           |           |           | M 12           | 1,75 |
| 7642ABCAE | 7642ABCB  | 7642ABCBG | 7470F0001 | 7470F0007 | 7470F0008 | 7480B0700 | 766CB0675 | 766CB0690 | M 14           | 2    |
| 7642A3824 |           | 7642A4190 | 7470F0002 | 7470F0009 | 7470F0010 | 7480B0701 | 766CB0676 | 766CB0691 | M 16           | 2    |
| 7642ABEAC | 7642ABEBN | 7642ABEBC | 7470F0003 | 7470F0011 | 7470F0012 | 7480B0702 | 766CB0677 | 766CB0692 | M 18           | 2,5  |
| 7642A3826 |           | 7642A4192 |           |           |           |           |           |           | M 20           | 2,5  |
| 7642ABGAC | 7642ABGBA | 7642A4193 | 7470F0004 | 7470F0013 | 7470F0014 | 7480B0703 | 766CB0678 | 766CB0693 | M 22           | 2,5  |
| 7642A3828 |           |           |           |           |           |           |           |           | M 24           | 3    |
| 7642A3829 |           |           |           |           |           |           |           |           | M 27           | 3    |
|           |           |           |           |           |           |           |           |           | M 30           | 3,5  |
|           |           |           |           |           |           |           |           |           | M 33           | 3,5  |
|           |           |           |           |           |           |           |           |           | M 36           | 4    |
|           |           |           |           |           |           |           |           |           | M 39           | 4    |
|           |           |           |           |           |           |           |           |           | M 42           | 4,5  |
|           |           |           |           |           |           |           |           |           | M 45           | 4,5  |
|           |           |           |           |           |           |           |           |           | M 48           | 5    |
|           |           |           |           |           |           |           |           |           | M 52           | 5    |

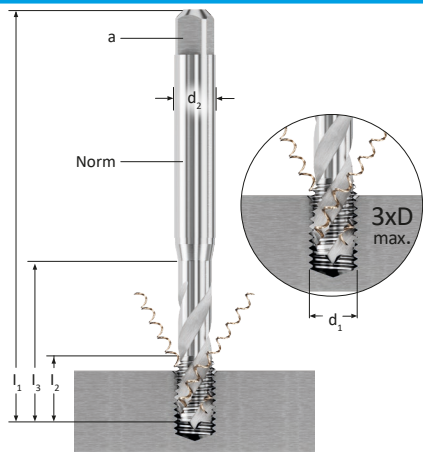


| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |      |      |         |                |                |                |                |      |           | -         |           |           |           |            | TIN          | TIN       | TICN       |
|------------------------------------------------------------------|------|------|---------|----------------|----------------|----------------|----------------|------|-----------|-----------|-----------|-----------|-----------|------------|--------------|-----------|------------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |      |      |         |                |                |                |                |      |           | HSSE      |           |           |           |            | HSSE         | HSSE-PM   | HSSE       |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |      |      |         |                |                |                |                |      |           | C / 2-3   |           |           |           |            | C / 2-3      | C / 2-3   | C / 2-3    |
| d <sub>1</sub>                                                   | P    |      | NORM    | I <sub>1</sub> | I <sub>2</sub> | I <sub>3</sub> | d <sub>2</sub> | a    |           | ISO1      | ISO2      | ISO2 - LH | ISO3      | 7G         | ISO2         | ISO2      | ISO2       |
| M 1,6                                                            | 0,35 | 1,25 | DIN 371 | 40             | 4              | 11             | 2,5            | 2,1  |           |           |           |           |           |            |              |           |            |
| M 2                                                              | 0,4  | 1,6  | DIN 371 | 45             | 4              | 12             | 2,8            | 2,1  | 6640AAAA  | 6640AA1AA |           |           | 6640AANAA | 6640A3772  | 6640AA1AB    |           |            |
| M 2,2                                                            | 0,45 | 1,75 | DIN 371 | 45             | 4,5            | 12             | 2,8            | 2,1  |           | 6640AA2AA |           |           |           |            |              |           |            |
| M 2,3                                                            | 0,4  | 1,9  | DIN 371 | 45             | 4,4            | 12             | 2,8            | 2,1  |           | 6640AA3AA |           |           |           |            |              |           |            |
| M 2,5                                                            | 0,45 | 2,05 | DIN 371 | 50             | 5              | 14             | 2,8            | 2,1  | 6640AADAA | 6640AA4AA |           |           | 6640AARAA | 6640A3774  | 6640S0528581 |           |            |
| M 2,6                                                            | 0,45 | 2,15 | DIN 371 | 50             | 5              | 14             | 2,8            | 2,1  |           | 6640AA5AA |           |           |           |            |              |           |            |
|                                                                  |      |      | DIN 352 | 40             | 5              | 18             | 3,5            | 2,7  |           | 5640AAKAA |           |           |           |            |              |           |            |
| M 3                                                              | 0,5  | 2,5  | DIN 371 | 56             | 5              | 18             | 3,5            | 2,7  | 6640AAFAA | 6640AA6AA | 6640A3791 | 6640AATAA | 6640ADLAA | 6640AA6AB  |              |           | 6640D00216 |
|                                                                  |      |      | DIN 376 | 56             | 5              | -              | 2,2            | -    |           | 7640AAFAA |           |           |           |            |              |           |            |
| M 3,5                                                            | 0,6  | 2,9  | DIN 371 | 56             | 7              | 20             | 4              | 3    | 6640AAGAA | 6640AA7AA |           |           |           |            |              |           |            |
|                                                                  |      |      | DIN 352 | 45             | 7              | 22             | 4,5            | 3,4  |           | 5640AAMAA |           |           |           |            |              |           |            |
| M 4                                                              | 0,7  | 3,3  | DIN 371 | 63             | 7              | 21             | 4,5            | 3,4  | 6640AAHAA | 6640AA8AA | 6640A3793 | 6640AAVAA | 6640ADNAA | 6640AA8AB  | 6880F0001    |           | 6640D00217 |
|                                                                  |      |      | DIN 376 | 63             | 7              | -              | 2,8            | 2,1  |           | 7640AAHAA |           |           |           |            |              |           |            |
|                                                                  |      |      | DIN 352 | 50             | 8              | 25             | 6              | 4,9  |           | 5640AANAA |           |           |           |            |              |           |            |
| M 5                                                              | 0,8  | 4,2  | DIN 371 | 70             | 8              | 25             | 6              | 4,9  | 6640A3695 | 6640AA9AA | 6640A3794 | 6640AAWAA | 6640ADPAA | 6640AA9AC  | 6880F0002    | 6890F0001 | 6640D00218 |
|                                                                  |      |      | DIN 376 | 70             | 8              | -              | 3,5            | 2,7  |           | 7640AAIAA |           |           |           |            |              |           |            |
|                                                                  |      |      | DIN 352 | 56             | 10             | 28             | 6              | 4,9  |           | 5640AAPAA |           |           |           |            |              |           |            |
| M 6                                                              | 1    | 5    | DIN 371 | 80             | 10             | 30             | 6              | 4,9  | 6640AAJAA | 6640ABAAA | 6640A3795 | 6640AAXAA | 6640ADQAA | 6640ABAAB  | 6880F0003    | 6890F0002 | 6640D00219 |
|                                                                  |      |      | DIN 376 | 80             | 10             | -              | 4,5            | 3,4  |           | 7640AAJAA |           |           |           |            |              |           |            |
| M 7                                                              | 1    | 6    | DIN 371 | 80             | 10             | 30             | 7              | 5,5  |           | 6640A3475 |           |           |           |            |              |           |            |
|                                                                  |      |      | DIN 376 | 80             | 10             | -              | 5,5            | 4,3  |           |           |           |           |           |            |              |           |            |
|                                                                  |      |      | DIN 352 | 63             | 14             | -              | 6              | 4,9  |           | 5640AAQAA |           |           |           |            |              |           |            |
| M 8                                                              | 1,25 | 6,8  | DIN 371 | 90             | 14             | 35             | 8              | 6,2  | 6640AAKAA | 6640ABCAA | 6640A3796 | 6640AAYAA | 6640A3780 | 6640ABCAB  | 6880F0004    | 6890F0003 | 6640D00220 |
|                                                                  |      |      | DIN 376 | 90             | 14             | -              | 6              | 4,9  | 7640A3698 | 7640AAKAA |           | 7640A3761 | 7640A3781 |            |              |           |            |
| M 9                                                              | 1,25 | 7,8  | DIN 371 | 90             | 14             | 35             | 9              | 7    |           | 6640A3479 |           |           |           |            |              |           |            |
|                                                                  |      |      | DIN 376 | 90             | 14             | -              | 7              | 5,5  |           | 7640A3480 |           |           |           |            |              |           |            |
|                                                                  |      |      | DIN 352 | 70             | 16             | -              | 7              | 5,5  |           | 5640AARAA |           |           |           |            |              |           |            |
| M 10                                                             | 1,5  | 8,5  | DIN 371 | 100            | 16             | 39             | 10             | 8    | 6640AALAA | 6640ABDAA | 6640A3797 | 6640AAZAA | 6640ADSAA | 6640ABDAB  | 6880F0005    | 6890F0004 | 6640D00221 |
|                                                                  |      |      | DIN 376 | 100            | 16             | -              | 7              | 5,5  | 7640A3700 | 7640AALAA |           | 7640A3763 | 7640A3783 | 7640AALAX  |              |           |            |
| M 11                                                             | 1,5  | 9,5  | DIN 376 | 100            | 8              | -              | 8              | 6,2  |           | 7640A3483 |           |           |           |            |              |           |            |
|                                                                  |      |      | DIN 352 | 75             | 18             | -              | 9              | 7    |           | 5640AASAA |           |           |           |            |              |           |            |
| M 12                                                             | 1,75 | 10,2 | DIN 376 | 110            | 18             | -              | 9              | 7    | 7640A3701 | 7640AAMAA | 7640A3798 | 7640A3765 | 7640A3784 | 7640AAMAB  | 7880F0001    |           | 7640D00222 |
| M 14                                                             | 2    | 12   | DIN 376 | 110            | 18             | -              | 11             | 9    |           | 7640AANAA | 7640A3799 | 7640A3766 | 7640A3785 | 7640AANAH  | 7880F0002    |           | 7640K00415 |
| M 16                                                             | 2    | 14   | DIN 376 | 110            | 18             | -              | 12             | 9    | 7640A3704 | 7640AAPAA | 7640A3800 | 7640A3767 | 7640A3786 | 7640AAPAB  | 7880A4534    |           | 7640D00223 |
| M 18                                                             | 2,5  | 15,5 | DIN 376 | 125            | 20             | -              | 14             | 11   |           | 7640AAQAB |           |           |           |            |              |           |            |
| M 20                                                             | 2,5  | 17,5 | DIN 376 | 140            | 22             | -              | 16             | 12   | 7640A3706 | 7640AARAC | 7640A3802 | 7640A3769 | 7640A3788 | 7640AARAB  |              |           | 7640D00224 |
| M 22                                                             | 2,5  | 19,5 | DIN 376 | 140            | 25             | -              | 18             | 14,5 |           | 7640AASAB |           |           |           |            | 7640D00170   |           |            |
| M 24                                                             | 3    | 21   | DIN 376 | 160            | 25             | -              | 18             | 14,5 |           | 7640AATAA | 7640A3804 | 7640A3771 | 7640A3790 | 7640D00171 |              |           |            |
| M 27                                                             | 3    | 24   | DIN 376 | 160            | 27             | -              | 20             | 16   |           | 7640AAAAA |           |           |           |            |              |           |            |
| M 30                                                             | 3,5  | 26,5 | DIN 376 | 180            | 30             | -              | 22             | 18   |           | 7640AABAA |           |           |           |            | 7640D00172   |           |            |
| M 33                                                             | 3,5  | 29,5 | DIN 376 | 180            | 30             | -              | 25             | 20   |           | 7640AACAA |           |           |           |            | 7640D00173   |           |            |
| M 36                                                             | 4    | 32   | DIN 376 | 200            | 35             | -              | 28             | 22   |           | 7640AADAA |           |           |           |            | 7640D00174   |           |            |
| M 39                                                             | 4    | 35   | DIN 376 | 200            | 35             | -              | 32             | 24   |           | 7640A3499 |           |           |           |            | 7640D00175   |           |            |
| M 42                                                             | 4,5  | 37,5 | DIN 376 | 200            | 40             | -              | 32             | 24   |           | 7640A3500 |           |           |           |            | 7640D00176   |           |            |
| M 45                                                             | 4,5  | 40,5 | DIN 376 | 220            | 58             | -              | 36             | 29   |           | 7640A3501 |           |           |           |            | 7640D00177   |           |            |
| M 48                                                             | 5    | 43   | DIN 376 | 250            | 65             | -              | 36             | 29   |           | 7640A3502 |           |           |           |            | 7640D00178   |           |            |
| M 52                                                             | 5    | 47   | DIN 376 | 250            | 65             | -              | 40             | 32   |           | 7640A3503 |           |           |           |            |              |           |            |



| -         | ALTiNHd   |           | VAP       | ALTiNHd                |            | TiBLU        |            |              |              |                |      |
|-----------|-----------|-----------|-----------|------------------------|------------|--------------|------------|--------------|--------------|----------------|------|
| HSSE-PM   | HSSE-PM   |           | HSSE      | HSSE                   |            | HSSE-PM      |            |              |              |                |      |
| C / 2-3   | C / 2-3   |           | C / 2-3   | C / 2-3                | E / 1,5-2  | C / 2-3      |            | E / 1,5-2    |              |                |      |
| ISO2      | ISO2      | ISO2      | ISO2      | ISO2                   | ISO2       | ISO2X        | ISO3X      | ISO2X        | ISO3X        | d <sub>1</sub> | P    |
|           |           |           | 6645AAEAA | 6645F0040<br>6645F0041 |            |              |            |              |              | M 1,6          | 0,35 |
|           |           |           |           |                        |            |              |            |              |              | M 2            | 0,4  |
|           |           |           |           |                        |            |              |            |              |              | M 2,2          | 0,45 |
|           |           |           | 6645AACAA | 6645F0042              |            |              |            |              |              | M 2,3          | 0,4  |
|           |           |           |           |                        |            |              |            |              |              | M 2,5          | 0,45 |
|           |           |           |           |                        |            |              |            |              |              | M 2,6          | 0,45 |
| 6643AADAA | 6643AADAD |           | 6645ABAAA | 6645F0008              |            | 6655K00131   | 6655K00132 | 6655K00154   | 6655K00155   | M 3            | 0,5  |
|           |           |           |           |                        |            |              |            |              |              | M 3,5          | 0,6  |
| 6643AAEAA | 6643AAEAD |           | 6645AA3AA | 6645F0009              |            | 6655K00133   | 6655K00134 | 6655K00156   | 6655K00157   | M 4            | 0,7  |
| 6643AAFAD | 6643AAFAD | 6853F0002 | 6645ABBAA | 6645F0010              | 6855F0001  | 6655K00135   | 6655K00136 | 6655K00158   | 6655K00159   | M 5            | 0,8  |
| 6643AAGAA | 6643AAGAD | 6853F0003 | 6645AA7AA | 6645F0011              | 6855F0002  | 6655S0544886 | 6655K00138 | 6655S0544917 | 6655S0545028 | M 6            | 1    |
|           |           |           |           |                        |            |              |            |              |              | M 7            | 1    |
| 6643AAAAA | 6643AAAAD | 6853F0004 | 6645AA0AA | 6645F0012              | 6855F0003  | 6655K00139   | 6655K00140 | 6655K00162   | 6655K00163   | M 8            | 1,25 |
|           |           |           |           |                        |            |              |            |              |              |                |      |
| 6643AAHAA | 6643AAHAD | 6853F0005 | 6645ABCAA | 6645F0013              | 6855F0004  | 6655K00141   | 6655K00142 | 6655K00164   | 6655K00165   | M 10           | 1,5  |
|           |           |           |           |                        |            |              |            |              |              |                |      |
| 7643F0196 | 7643F0172 | 7853F0007 | 7645AAXAA | 7645F0012              | 7855K00270 | 7655K00196   | 7655K00197 | 7655K00236   | 7655K00237   | M 12           | 1,75 |
| 7643F0197 | 7643F0173 | 7853F0008 | 7645ABAAA | 7645F0013              | 7855K00271 | 7655K00201   |            | 7655K00241   |              | M 14           | 2    |
| 7643F0198 | 7643F0174 | 7853F0009 | 7645ABLAA | 7645F0014              | 7855K00272 | 7655K00203   | 7655K00204 | 7655K00243   | 7655K00244   | M 16           | 2    |
| 7643F0199 | 7643F0175 | 7853F0010 |           |                        |            |              |            |              |              | M 18           | 2,5  |
| 7643F0200 | 7643F0176 | 7853F0011 | 7645ABEAA | 7645F0015              | 7855K00273 | 7655K00207   | 7655K00208 | 7655K00247   | 7655K00248   | M 20           | 2,5  |
|           |           |           | 7645AALAA |                        |            |              |            |              |              | M 22           | 2,5  |
|           |           |           | 7645ABQAA |                        |            | 7655K00211   | 7655K00212 | 7655K00251   | 7655K00252   | M 24           | 3    |
|           |           |           |           |                        |            |              |            |              |              | M 27           | 3    |
|           |           |           | 7645AA7AA |                        |            | 7655K00214   | 7655K00215 | 7655K00254   | 7655K00255   | M 30           | 3,5  |
|           |           |           |           |                        |            |              |            |              |              | M 33           | 3,5  |
|           |           |           |           |                        |            |              |            |              |              | M 36           | 4    |
|           |           |           |           |                        |            |              |            |              |              | M 39           | 4    |
|           |           |           |           |                        |            |              |            |              |              | M 42           | 4,5  |
|           |           |           |           |                        |            |              |            |              |              | M 45           | 4,5  |
|           |           |           |           |                        |            |              |            |              |              | M 48           | 5    |
|           |           |           |           |                        |            |              |            |              |              | M 52           | 5    |





| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |      |      |         |                |                |                |                |     |  |  | DLC        | -         | DLC       |
|------------------------------------------------------------------|------|------|---------|----------------|----------------|----------------|----------------|-----|--|--|------------|-----------|-----------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |      |      |         |                |                |                |                |     |  |  | HSSE       | HSSE      | HSSE      |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |      |      |         |                |                |                |                |     |  |  | C / 2-3    | C / 2-3   | C / 2-3   |
| d <sub>1</sub>                                                   | P    |      | NORM    | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a   |  |  | ISO2       | ISO2      | ISO2      |
| M 2                                                              | 0,4  | 1,6  | DIN 371 | 45             | 4              | 12             | 2,8            | 2,1 |  |  | 6641K00123 | 664SB0234 | 664SB0164 |
| M 2,5                                                            | 0,45 | 2,05 | DIN 371 | 50             | 5              | 14             | 2,8            | 2,1 |  |  | 6641K00124 | 664SB0235 | 664SB0165 |
| M 3                                                              | 0,5  | 2,5  | DIN 371 | 56             | 5              | 18             | 3,5            | 2,7 |  |  | 6641F0095  | 664SB0236 | 664SB0166 |
| M 4                                                              | 0,7  | 3,3  | DIN 371 | 63             | 7              | 21             | 4,5            | 3,4 |  |  | 6641F0096  | 664SB0237 | 664SB0167 |
| M 5                                                              | 0,8  | 4,2  | DIN 371 | 70             | 8              | 25             | 6              | 4,9 |  |  | 6641F0097  | 664SB0238 | 664SB0168 |
| M 6                                                              | 1    | 5    | DIN 371 | 80             | 10             | 30             | 6              | 4,9 |  |  | 6641F0098  | 664SB0239 | 664SB0169 |
| M 8                                                              | 1,25 | 6,8  | DIN 371 | 90             | 14             | 35             | 8              | 6,2 |  |  | 6641F0099  | 664SB0240 | 664SB0170 |
| M 10                                                             | 1,5  | 8,5  | DIN 371 | 100            | 16             | 39             | 10             | 8   |  |  | 6641F0100  | 664SB0241 | 664SB0171 |
| M 12                                                             | 1,75 | 10,2 | DIN 376 | 110            | 18             | -              | 9              | 7   |  |  | 7641F0089  |           | 764SF0001 |
| M 14                                                             | 2    | 12   | DIN 376 | 110            | 20             | -              | 11             | 9   |  |  | 7641F0090  |           |           |
| M 16                                                             | 2    | 14   | DIN 376 | 110            | 22             | -              | 12             | 9   |  |  | 7641F0091  |           | 764SF0002 |
| M 20                                                             | 2,5  | 17,5 | DIN 376 | 140            | 25             | -              | 16             | 12  |  |  | 7641F0092  |           |           |



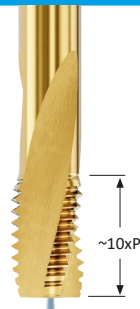
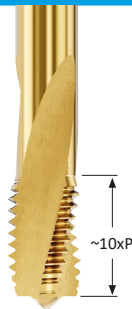
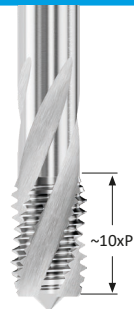
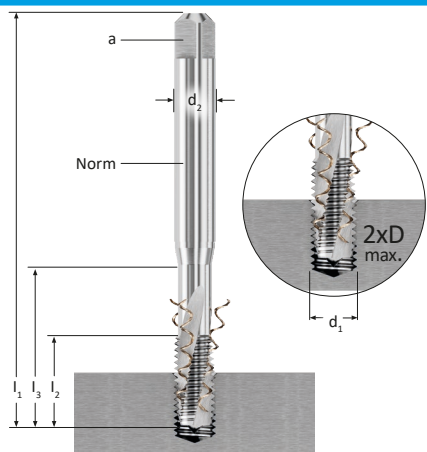
# SOLUTIONS@NORIS-REIME.DE

Das REIME Team steht Ihnen bei der Lösung Ihrer Zerspanungsaufgabe gerne zur Seite

The REIME team will be happy to solve your threading tasks

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Il team REIME sarà lieto di risolvere i vostri problemi di filettatura



| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |      |      |         |                |                |                |                |      |           | -       | -         | TIN       | TIN       |           |
|------------------------------------------------------------------|------|------|---------|----------------|----------------|----------------|----------------|------|-----------|---------|-----------|-----------|-----------|-----------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |      |      |         |                |                |                |                |      |           | HSSE    | HSSE      | HSSE-PM   | HSSE      |           |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |      |      |         |                |                |                |                |      |           | C / 2-3 | C / 2-3   | C / 2-3   | C / 2-3   |           |
| d <sub>1</sub>                                                   | P    |      | NORM    | I <sub>1</sub> | I <sub>2</sub> | I <sub>3</sub> | d <sub>2</sub> | a    |           | ISO2    | ISO2      | ISO2      | ISO2X     | ISO2X     |
| M 2                                                              | 0,4  | 1,6  | DIN 371 | 45             | 7              | 12             | 2,8            | 2,1  |           |         | 6600ABEAA |           |           |           |
| M 2,5                                                            | 0,45 | 2,05 | DIN 371 | 50             | 9              | 14             | 2,8            | 2,1  |           |         | 6600ABHAA |           |           |           |
| M 3                                                              | 0,5  | 2,5  | DIN 371 | 40             | 10             | 18             | 3,5            | 2,7  |           |         | 5600ABZAA |           |           |           |
|                                                                  |      |      | DIN 371 | 56             | 11             | 18             | 3,5            | 2,7  | 6602F0014 |         | 6600F0048 |           | 660CB0124 |           |
|                                                                  |      |      | DIN 352 | 45             | 12             | 22             | 4,5            | 3,4  |           |         | 5600AB1AA |           |           |           |
| M 4                                                              | 0,7  | 3,3  | DIN 371 | 63             | 13             | 21             | 4,5            | 3,4  | 6602F0015 |         | 6600F0049 | 6900AAAAA | 660CB0125 |           |
|                                                                  |      |      | DIN 376 | 63             | 13             | -              | 2,8            | 2,1  |           |         | 7600ACGAA |           |           |           |
|                                                                  |      |      | DIN 352 | 50             | 14             | 25             | 6              | 4,9  |           |         | 5600AB2AA |           |           |           |
| M 5                                                              | 0,8  | 4,2  | DIN 371 | 70             | 15             | 25             | 6              | 4,9  | 6602F0016 |         | 6600F0050 | 6900AABAA | 660CB0126 | 684CB0305 |
|                                                                  |      |      | DIN 376 | 70             | 15             | -              | 3,5            | 2,7  |           |         | 7600ACHAA |           |           |           |
|                                                                  |      |      | DIN 352 | 56             | 16             | 28             | 6              | 4,9  |           |         | 5600AB3AA |           |           |           |
| M 6                                                              | 1    | 5    | DIN 371 | 80             | 17             | 30             | 6              | 4,9  | 6602F0017 |         | 6600F0051 | 6900AACAA | 660CB0127 | 684CB0306 |
|                                                                  |      |      | DIN 376 | 80             | 17             | -              | 4,5            | 3,4  |           |         | 7600ACIAA |           |           |           |
|                                                                  |      |      | DIN 352 | 63             | 20             | -              | 6              | 4,9  |           |         | 5600AB4AA |           |           |           |
| M 8                                                              | 1,25 | 6,8  | DIN 371 | 90             | 20             | 35             | 8              | 6,2  | 6602F0018 |         | 6600F0052 | 6900AADAA | 660CB0128 | 684CB0307 |
|                                                                  |      |      | DIN 376 | 90             | 20             | -              | 6              | 4,9  |           |         | 7600ACJAA |           |           |           |
|                                                                  |      |      | DIN 352 | 70             | 22             | -              | 7              | 5,5  |           |         | 5600AB5AA |           |           |           |
| M 10                                                             | 1,5  | 8,5  | DIN 371 | 100            | 22             | 39             | 10             | 8    | 6602F0019 |         | 6600F0053 | 6900AAEAA | 660CB0129 | 684CB0308 |
|                                                                  |      |      | DIN 376 | 100            | 22             | -              | 7              | 5,5  |           |         | 7600ACKAA |           |           |           |
|                                                                  |      |      | DIN 352 | 75             | 24             | -              | 9              | 7    |           |         | 5600AB6AA |           |           |           |
| M 12                                                             | 1,75 | 10,2 | DIN 371 | 110            | 24             | 44             | 12             | 9    |           |         |           |           |           |           |
|                                                                  |      |      | DIN 376 | 110            | 24             | -              | 9              | 7    | 7602F0030 |         | 7600F0098 | 7900AAJAA | 760CB0544 | 784CB0694 |
| M 14                                                             | 2    | 12   | DIN 376 | 110            | 26             | -              | 11             | 9    |           |         | 7600ACMAA |           |           |           |
| M 16                                                             | 2    | 14   | DIN 376 | 110            | 27             | -              | 12             | 9    | 7602F0031 |         | 7600F0099 |           | 760CB0545 | 784CB0695 |
| M 18                                                             | 2,5  | 15,5 | DIN 376 | 125            | 30             | -              | 14             | 11   |           |         |           |           |           |           |
| M 20                                                             | 2,5  | 17,5 | DIN 376 | 140            | 32             | -              | 16             | 12   | 7602F0032 |         | 7600F0100 |           | 760CB0546 |           |
| M 24                                                             | 3    | 21   | DIN 376 | 160            | 34             | -              | 18             | 14,5 |           |         | 7600ACSA  |           |           |           |
| M 27                                                             | 3    | 24   | DIN 376 | 160            | 36             | -              | 20             | 16   |           |         | 7600ABRAA |           |           |           |
| M 30                                                             | 3,5  | 26,5 | DIN 376 | 180            | 40             | -              | 22             | 18   |           |         | 7600ABSAA |           |           |           |
| M 33                                                             | 3,5  | 29,5 | DIN 376 | 180            | 40             | -              | 25             | 20   |           |         | 7600ABTAA |           |           |           |
| M 36                                                             | 4    | 32   | DIN 376 | 200            | 50             | -              | 28             | 22   |           |         | 7600ABUAA |           |           |           |
| M 39                                                             | 4    | 35   | DIN 376 | 200            | 50             | -              | 32             | 24   |           |         | 7600ABVAA |           |           |           |
| M 42                                                             | 4,5  | 37,5 | DIN 376 | 200            | 56             | -              | 32             | 24   |           |         | 7600ABWAA |           |           |           |
| M 45                                                             | 4,5  | 40,5 | DIN 376 | 220            | 58             | -              | 36             | 29   |           |         | 7600ABXAA |           |           |           |
| M 48                                                             | 5    | 43   | DIN 376 | 250            | 65             | -              | 36             | 29   |           |         | 7600ABYAA |           |           |           |
| M 52                                                             | 5    | 47   | DIN 376 | 250            | 65             | -              | 40             | 32   |           |         | 7600ABZAA |           |           |           |

NORIS SL25  
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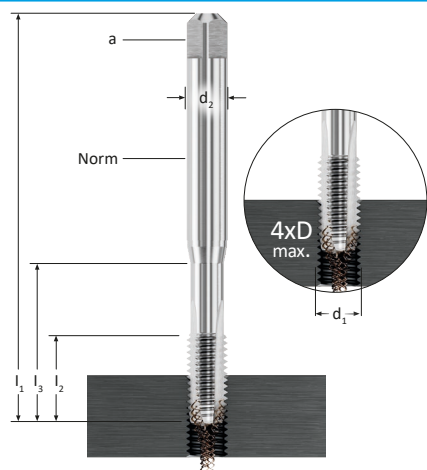
NORIS SL15  
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Ni



| -         | ALTiNHD    |            | TiCN         | VAP       | TiN       | TiCN      |                |      |
|-----------|------------|------------|--------------|-----------|-----------|-----------|----------------|------|
| HSSE-PM   | HSSE-PM    |            | HSSE         | HSSE-PM   | HSSE-PM   | HSSE-PM   |                |      |
| C / 2-3   | C / 2-3    |            | C / 2-3      | C / 2-3   | C / 2-3   | C / 2-3   |                |      |
| ISO2      | ISO2       | ISO2       | ISO2X        | ISO2X     | ISO2X     | ISO2X     | d <sub>1</sub> | P    |
|           |            |            |              |           |           |           | M 2            | 0,4  |
|           |            |            |              |           |           |           | M 2,5          | 0,45 |
| 6603AAFAA | 6603D00370 |            | 66B4RC000305 | 6614AAAAA | 6614AAAAB | 66A7B0375 | M 3            | 0,5  |
| 6603AAHAA | 6603D00371 |            | 66B4RC000405 | 6614AACAA | 6614AACAB | 66A7B0376 | M 4            | 0,7  |
| 6603AAIAA | 6603D00372 | 6843K00171 | 66B4RC000505 | 6614AADAA | 6614AADAB | 66A7B0377 | M 5            | 0,8  |
| 6603AAJAA | 6603D00373 | 6843K00172 | 66B4RC000605 | 6614AAEAA | 6614AAEAB | 66A7B0378 | M 6            | 1    |
| 6603AAKAA | 6603D00374 | 6843K00173 | 66B4RC000805 | 6614AAFAA | 6614AAFAB | 66A7B0379 | M 8            | 1,25 |
| 6603AALAA | 6603D00375 | 6843K00174 | 66B4RC001005 | 6614AAGAA | 6614AAGAB | 66A7B0380 | M 10           | 1,5  |
| 6603AAMAA | 6603D00376 |            |              | 6614AAHAA | 6614AAHAB |           | M 12           | 1,75 |
|           |            | 7843K00262 |              |           |           | 76A7B0838 | M 14           | 2    |
|           | 7603D00377 | 7843K00265 |              |           |           | 76A7B0839 | M 16           | 2    |
| 7603AABAA | 7603D00378 | 7843K00267 |              |           |           | 76A7B0840 | M 18           | 2,5  |
| 7603AACAA | 7603D00379 | 7843K00269 |              |           |           |           | M 20           | 2,5  |
| 7603AADAA | 7603D00380 | 7843K00258 |              |           |           | 76A7B0841 | M 24           | 3    |
|           |            |            |              |           |           |           | M 27           | 3    |
|           |            |            |              |           |           |           | M 30           | 3,5  |
|           |            |            |              |           |           |           | M 33           | 3,5  |
|           |            |            |              |           |           |           | M 36           | 4    |
|           |            |            |              |           |           |           | M 39           | 4    |
|           |            |            |              |           |           |           | M 42           | 4,5  |
|           |            |            |              |           |           |           | M 45           | 4,5  |
|           |            |            |              |           |           |           | M 48           | 5    |
|           |            |            |              |           |           |           | M 52           | 5    |



| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |      |      |         |                |                |                |                |      |  | NITVAP                  |           |           | TIN       |           |
|------------------------------------------------------------------|------|------|---------|----------------|----------------|----------------|----------------|------|--|-------------------------|-----------|-----------|-----------|-----------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |      |      |         |                |                |                |                |      |  | HSSE                    |           |           | HSSE      |           |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |      |      |         |                |                |                |                |      |  | B / 4-5                 |           |           | B / 4-5   |           |
| d <sub>1</sub>                                                   | P    |      | NORM    | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a    |  | ISO2                    | ISO3      | 7G        | ISO2      | ISO3      |
| M 1                                                              | 0,25 | 0,75 | DIN 371 | 40             | 5              | -              | 2,5            | 2,1  |  | 6560AC7AA <sup>1)</sup> |           |           |           |           |
| M 1,2                                                            | 0,25 | 0,95 | DIN 371 | 40             | 5              | -              | 2,5            | 2,1  |  | 6560AC9AA <sup>1)</sup> |           |           |           |           |
| M 1,4                                                            | 0,3  | 1,1  | DIN 371 | 40             | 6              | -              | 2,5            | 2,1  |  | 6560ADAAA <sup>1)</sup> |           |           |           |           |
| M 1,6                                                            | 0,35 | 1,25 | DIN 371 | 40             | 6              | 11             | 2,5            | 2,1  |  | 6560ABHAB               |           |           |           |           |
| M 1,7                                                            | 0,35 | 1,35 | DIN 371 | 40             | 6              | 11             | 2,5            | 2,1  |  | 6560ADCAA               |           |           |           |           |
| M 1,8                                                            | 0,35 | 1,45 | DIN 371 | 40             | 6              | 11             | 2,5            | 2,1  |  | 6560ADDAA               |           |           |           |           |
| M 2                                                              | 0,4  | 1,6  | DIN 371 | 45             | 7              | 12             | 2,8            | 2,1  |  | 6560ABFAC               | 6560ABIAA | 6560A2503 | 6560ABFAA | 6560B0051 |
| M 2,2                                                            | 0,45 | 1,75 | DIN 371 | 45             | 7              | 12             | 2,8            | 2,1  |  | 6560AAIAA               |           |           | 6560B0050 |           |
| M 2,5                                                            | 0,45 | 2,05 | DIN 371 | 50             | 9              | 14             | 2,8            | 2,1  |  | 6560AAMAA               | 6560ADKAA | 6560A2505 | 6560AAMAB | 6560B0052 |
| M 3                                                              | 0,5  | 2,5  | DIN 371 | 56             | 11             | 18             | 3,5            | 2,7  |  | 6560AAAAA               | 6560ABGAA | 6560ABEAA | 6560AAAAD | 6560B0053 |
|                                                                  |      |      | DIN 376 | 56             | 11             | -              | 2,2            | -    |  | 7560AAVAA               |           |           |           |           |
| M 3,5                                                            | 0,6  | 2,9  | DIN 371 | 56             | 12             | 20             | 4              | 3    |  | 6560AANAA               | 6560ABKAB |           | 6560AANAB | 6560B0054 |
| M 4                                                              | 0,7  | 3,3  | DIN 371 | 63             | 13             | 21             | 4,5            | 3,4  |  | 6560AABAA               | 6560AAUAC | 6560AA7AA | 6560AABAF | 6560B0055 |
|                                                                  |      |      | DIN 376 | 63             | 13             | -              | 2,8            | 2,1  |  | 7560AAWAA               |           |           | 7560B0494 |           |
| M 5                                                              | 0,8  | 4,2  | DIN 371 | 70             | 15             | 25             | 6              | 4,9  |  | 6560AACAA               | 6560ADMMA | 6560AA8AA | 6560AACAI | 6560B0056 |
|                                                                  |      |      | DIN 376 | 70             | 15             | -              | 3,5            | 2,7  |  | 7560AAXAA               |           |           | 7560B0495 |           |
| M 6                                                              | 1    | 5,0  | DIN 371 | 80             | 17             | 30             | 6              | 4,9  |  | 6560AADAA               | 6560AA0AA | 6560AA9AA | 6560AADAB | 6560B0057 |
|                                                                  |      |      | DIN 376 | 80             | 17             | -              | 4,5            | 3,4  |  | 7560AAYAA               |           |           | 7560B0496 |           |
| M 7                                                              | 1    | 6,0  | DIN 371 | 80             | 17             | 30             | 7              | 5,5  |  | 6560AA5AA               |           |           |           |           |
| M 8                                                              | 1,25 | 6,8  | DIN 371 | 90             | 20             | 35             | 8              | 6,2  |  | 6560AAEAA               | 6560AA1AA | 6560ABAAA | 6560AAEAE | 6560B0058 |
|                                                                  |      |      | DIN 376 | 90             | 20             | -              | 6              | 4,9  |  | 7560AAZAA               |           |           | 7560B0497 |           |
| M 10                                                             | 1,5  | 8,5  | DIN 371 | 100            | 22             | 39             | 10             | 8    |  | 6560AAFMA               | 6560AA2AA | 6560AATAA | 6560AAFAC | 6560B0059 |
|                                                                  |      |      | DIN 376 | 100            | 22             | -              | 7              | 5,5  |  | 7560AAQAA               |           |           | 7560B0498 |           |
| M 12                                                             | 1,75 | 10,2 | DIN 371 | 110            | 24             | 44             | 12             | 9    |  | 6560AAGAA               |           |           |           |           |
|                                                                  |      |      | DIN 376 | 110            | 24             | -              | 9              | 7    |  | 7560AAAAA               | 7560ABGAB | 7560AHBAA | 7560AAAAC | 7560B0506 |
| M 14                                                             | 2    | 12,0 | DIN 376 | 110            | 26             | -              | 11             | 9    |  | 7560AABAA               |           |           | 7560A2230 |           |
| M 16                                                             | 2    | 14,0 | DIN 376 | 110            | 27             | -              | 12             | 9    |  | 7560AACAA               | 7560AHIAA | 7560A2515 | 7560AACAB | 7560B0507 |
| M 18                                                             | 2,5  | 15,5 | DIN 376 | 125            | 30             | -              | 14             | 11   |  | 7560AG3AA               |           |           | 7560A2232 |           |
| M 20                                                             | 2,5  | 17,5 | DIN 376 | 140            | 32             | -              | 16             | 12   |  | 7560AAKAA               | 7560AHKAA |           | 7560A2233 | 7560B0508 |
| M 22                                                             | 2,5  | 19,5 | DIN 376 | 140            | 32             | -              | 18             | 14,5 |  | 7560AA1AA               |           |           | 7560A2234 |           |
| M 24                                                             | 3    | 21,0 | DIN 376 | 160            | 34             | -              | 18             | 14,5 |  | 7560AG4AA               |           |           | 7560A2235 |           |
| M 27                                                             | 3    | 24,0 | DIN 376 | 160            | 36             | -              | 20             | 16   |  | 7560AG5AA               |           |           |           |           |
| M 30                                                             | 3,5  | 26,5 | DIN 376 | 180            | 40             | -              | 22             | 18   |  | 7560AA2AA               |           |           |           |           |
| M 33                                                             | 3,5  | 29,5 | DIN 376 | 180            | 40             | -              | 25             | 20   |  | 7560ACTAB               |           |           |           |           |
| M 36                                                             | 4    | 32,0 | DIN 376 | 200            | 50             | -              | 28             | 22   |  | 7560AA3AA               |           |           |           |           |
| M 39                                                             | 4    | 35,0 | DIN 376 | 200            | 50             | -              | 32             | 24   |  | 7560AG6AA               |           |           |           |           |
| M 42                                                             | 4,5  | 37,5 | DIN 376 | 200            | 56             | -              | 32             | 24   |  | 7560AG7AA               |           |           |           |           |
| M 48                                                             | 5    | 43,0 | DIN 376 | 250            | 65             | -              | 36             | 29   |  | 7560AG9AA               |           |           |           |           |

<sup>1)</sup> ≤ M1,4 Tol. ISO 1 / ISO 1X



TICN

ALTINHD

HSSE

HSSE-PM

B / 4-5

B / 4-5

ISO2

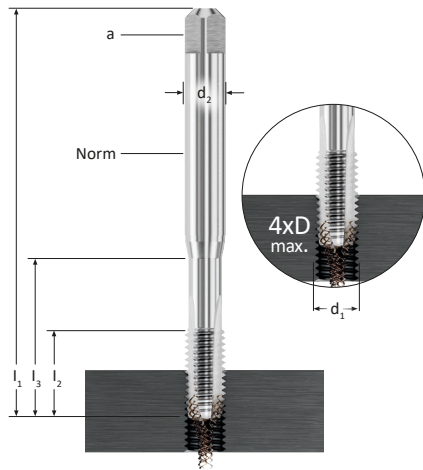
ISO2X

ISO3X

d<sub>1</sub>

P

|   |     |      |
|---|-----|------|
| M | 1   | 0,25 |
| M | 1,2 | 0,25 |
| M | 1,4 | 0,3  |
| M | 1,6 | 0,35 |
| M | 1,7 | 0,35 |
| M | 1,8 | 0,35 |
| M | 2   | 0,4  |
| M | 2,2 | 0,45 |
| M | 2,5 | 0,45 |
| M | 3   | 0,5  |
| M | 3   | 0,5  |
| M | 3,5 | 0,6  |
| M | 4   | 0,7  |
| M | 4   | 0,7  |
| M | 5   | 0,8  |
| M | 5   | 0,8  |
| M | 6   | 1    |
| M | 6   | 1    |
| M | 7   | 1    |
| M | 8   | 1,25 |
| M | 8   | 1,25 |
| M | 10  | 1,5  |
| M | 10  | 1,5  |
| M | 12  | 1,75 |
| M | 12  | 1,75 |
| M | 14  | 2    |
| M | 16  | 2    |
| M | 18  | 2,5  |
| M | 20  | 2,5  |
| M | 22  | 2,5  |
| M | 24  | 3    |
| M | 27  | 3    |
| M | 30  | 3,5  |
| M | 33  | 3,5  |
| M | 36  | 4    |
| M | 39  | 4    |
| M | 42  | 4,5  |
| M | 48  | 5    |



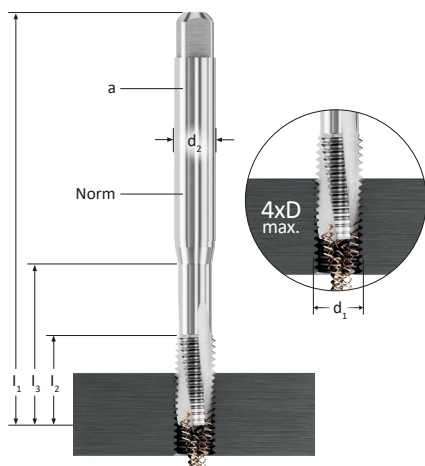
TS

| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |      |      |         |                |                |                |                |      |           | -          |            |           |           |            | TIN          | TIN       |
|------------------------------------------------------------------|------|------|---------|----------------|----------------|----------------|----------------|------|-----------|------------|------------|-----------|-----------|------------|--------------|-----------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |      |      |         |                |                |                |                |      |           | HSSE       |            |           |           |            | HSSE         | HSSE-PM   |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |      |      |         |                |                |                |                |      |           | B / 4-5    |            |           |           |            | B / 4-5      | B / 4-5   |
| d <sub>1</sub>                                                   | P    |      | NORM    | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a    |           | ISO1       | ISO2       | ISO2 - LH | ISO3      | 7G         | ISO2         | ISO2X     |
| M 1                                                              | 0,25 | 0,75 | DIN 371 | 40             | 5              | -              | 2,5            | 2,1  | 6080A1772 |            |            |           |           |            |              |           |
| M 1,1                                                            | 0,25 | 0,85 | DIN 371 | 40             | 5              | -              | 2,5            | 2,1  | 6080AABAA |            |            |           |           |            |              |           |
| M 1,2                                                            | 0,25 | 0,95 | DIN 371 | 40             | 5              | -              | 2,5            | 2,1  | 6080AACAA |            |            |           |           |            |              |           |
| M 1,4                                                            | 0,3  | 1,1  | DIN 371 | 40             | 6              | -              | 2,5            | 2,1  | 6080AADAA |            |            |           |           |            |              |           |
| M 1,6                                                            | 0,35 | 1,25 | DIN 371 | 40             | 6              | 11             | 2,5            | 2,1  |           | 6080AAEEAA |            |           |           |            |              |           |
| M 1,7                                                            | 0,35 | 1,35 | DIN 371 | 40             | 6              | 11             | 2,5            | 2,1  |           | 6080AAFAAA |            |           |           |            |              |           |
| M 1,8                                                            | 0,35 | 1,45 | DIN 371 | 40             | 6              | 11             | 2,5            | 2,1  |           | 6080AAGAA  |            |           |           |            |              |           |
| M 2                                                              | 0,4  | 1,6  | DIN 371 | 45             | 7              | 12             | 2,8            | 2,1  | 6080A2048 | 6080AAHAA  | 6080K00100 |           | 6080AAYAA | 6080B0042  | 6080K00105   | 6160A5296 |
| M 2,2                                                            | 0,45 | 1,75 | DIN 371 | 45             | 7              | 12             | 2,8            | 2,1  |           | 6080AAIAAA |            |           |           |            |              |           |
| M 2,3                                                            | 0,4  | 1,9  | DIN 371 | 45             | 7              | 12             | 2,8            | 2,1  |           | 6080AAJAA  |            |           |           |            |              |           |
| M 2,5                                                            | 0,45 | 2,05 | DIN 371 | 50             | 9              | 14             | 2,8            | 2,1  | 6080A2050 | 6080AAKAA  | 6080ACMAA  |           | 6080A2112 | 6080B0043  | 6080S0528577 | 6160A5297 |
| M 2,6                                                            | 0,45 | 2,15 | DIN 371 | 50             | 9              | 14             | 2,8            | 2,1  |           | 6080AALAA  |            |           |           |            |              |           |
| M 3                                                              | 0,5  | 2,5  | DIN 371 | 56             | 11             | 18             | 3,5            | 2,7  | 6080A2051 | 6080AAMAA  | 6080A2162  |           | 6080AA3AA | 6080B0044  | 6080D00037   | 6160A5298 |
| M 3,5                                                            | 0,6  | 2,9  | DIN 371 | 56             | 12             | 20             | 4              | 3    |           | 6080AANAA  |            |           | 6080AA4AA |            |              |           |
| M 4                                                              | 0,7  | 3,3  | DIN 352 | 45             | 12             | 22             | 4,5            | 3,4  | 6080A2053 | 6080AAHAA  | 6080A2164  |           | 6080AA5AA | 6080B0045  | 6080D00038   | 6160AAAAA |
| M 5                                                              | 0,8  | 4,2  | DIN 371 | 63             | 13             | 21             | 4,5            | 3,4  |           | 6080AAPAA  |            |           |           |            |              |           |
| M 5                                                              | 0,8  | 4,2  | DIN 352 | 50             | 14             | 25             | 6              | 4,9  | 6080A2054 | 6080AAIAAA | 6080A2165  |           | 6080AA6AA | 6080B0046  | 6080D00039   | 6160AABAA |
| M 5                                                              | 0,8  | 4,2  | DIN 371 | 70             | 15             | 25             | 6              | 4,9  |           | 6080AAQAA  |            |           |           |            |              |           |
| M 5                                                              | 0,8  | 4,2  | DIN 376 | 70             | 15             | -              | 3,5            | 2,7  |           | 7080AALAA  |            |           |           |            |              |           |
| M 6                                                              | 1    | 5    | DIN 352 | 56             | 16             | 28             | 6              | 4,9  | 6080A2055 | 6080AAJAA  | 6080A2166  |           | 6080AA7AA | 6080B0047  | 6080D00040   | 6160AACAA |
| M 6                                                              | 1    | 5    | DIN 371 | 80             | 17             | 30             | 6              | 4,9  |           | 6080AARAA  |            |           |           |            |              |           |
| M 6                                                              | 1    | 5    | DIN 376 | 80             | 17             | -              | 4,5            | 3,4  |           | 7080AAMAA  |            |           |           |            |              |           |
| M 7                                                              | 1    | 6    | DIN 371 | 80             | 17             | 30             | 7              | 5,5  |           | 6080A1792  |            |           |           |            |              |           |
| M 8                                                              | 1,25 | 6,8  | DIN 352 | 63             | 20             | -              | 6              | 4,9  | 6080A2057 | 6080AAKAA  | 6080A2167  |           | 6080AA8AA | 6080B0048  | 6080D00041   | 6160AADAA |
| M 8                                                              | 1,25 | 6,8  | DIN 371 | 90             | 20             | 35             | 8              | 6,2  |           | 6080AATAA  |            |           |           |            |              |           |
| M 8                                                              | 1,25 | 6,8  | DIN 376 | 90             | 20             | -              | 6              | 4,9  |           | 7080AANAA  |            |           |           |            |              |           |
| M 10                                                             | 1,5  | 8,5  | DIN 352 | 70             | 22             | -              | 7              | 5,5  | 6080A2059 | 6080AALAA  | 6080A2168  |           | 6080AA9AA | 6080B0049  | 6080D00042   | 6160AAEAA |
| M 10                                                             | 1,5  | 8,5  | DIN 371 | 100            | 22             | 39             | 10             | 8    |           | 6080AAVAA  |            |           |           |            |              |           |
| M 10                                                             | 1,5  | 8,5  | DIN 376 | 100            | 22             | -              | 7              | 5,5  |           | 7080AAPAA  |            |           |           |            |              |           |
| M 11                                                             | 1,5  | 9,5  | DIN 376 | 100            | 22             | -              | 8              | 6,2  |           | 7080A1800  |            |           |           |            |              |           |
| M 12                                                             | 1,75 | 10,2 | DIN 352 | 75             | 24             | -              | 9              | 7    | 7080A2060 | 6080AAMAA  | 7080A2169  |           | 7080A2122 | 7080B0492  | 7080D00043   | 7160AACAA |
| M 12                                                             | 1,75 | 10,2 | DIN 376 | 110            | 24             | -              | 9              | 7    |           | 7080AAQAA  |            |           |           |            |              |           |
| M 14                                                             | 2    | 12   | DIN 376 | 110            | 26             | -              | 11             | 9    | 7080A2062 | 7080AARAA  | 7080A2171  |           | 7080A2124 | 7080B0493  | 7080D00044   | 7160AADAA |
| M 16                                                             | 2    | 14   | DIN 376 | 110            | 27             | -              | 12             | 9    |           | 7080AASAA  |            |           |           |            |              |           |
| M 18                                                             | 2,5  | 15,5 | DIN 376 | 125            | 30             | -              | 14             | 11   |           | 7080AATAA  |            |           |           |            |              |           |
| M 20                                                             | 2,5  | 17,5 | DIN 376 | 140            | 32             | -              | 16             | 12   | 7080A2064 | 7080AAUAA  | 7080A2173  |           | 7080ABAAA | 7080F0110  | 7080D00045   | 7160A5311 |
| M 22                                                             | 2,5  | 19,5 | DIN 376 | 140            | 32             | -              | 18             | 14,5 |           | 7080AAVAA  |            |           |           |            |              |           |
| M 24                                                             | 3    | 21   | DIN 376 | 160            | 34             | -              | 18             | 14,5 | 7080A2066 | 7080AAWAA  | 7080A2175  |           | 7080ABCAA | 7080K00175 | 7080D00046   |           |
| M 27                                                             | 3    | 24   | DIN 376 | 160            | 36             | -              | 20             | 16   |           | 7080AAXAA  |            |           |           |            |              |           |
| M 30                                                             | 3,5  | 26,5 | DIN 376 | 180            | 40             | -              | 22             | 18   |           | 7080AAYAA  |            |           |           |            |              |           |
| M 33                                                             | 3,5  | 29,5 | DIN 376 | 180            | 40             | -              | 25             | 20   |           | 7080AAZAA  |            |           |           |            |              |           |
| M 36                                                             | 4    | 32   | DIN 376 | 200            | 50             | -              | 28             | 22   |           | 7080AA0AA  |            |           |           |            |              |           |
| M 39                                                             | 4    | 35   | DIN 376 | 200            | 50             | -              | 32             | 24   |           | 7080AA1AA  |            |           |           |            |              |           |
| M 42                                                             | 4,5  | 37,5 | DIN 376 | 200            | 56             | -              | 32             | 24   |           | 7080AA2AA  |            |           |           |            |              |           |
| M 45                                                             | 4,5  | 40,5 | DIN 376 | 220            | 58             | -              | 36             | 29   |           | 7080AA3AA  |            |           |           |            |              |           |
| M 48                                                             | 5    | 43   | DIN 376 | 250            | 65             | -              | 36             | 29   |           | 7080AA4AA  |            |           |           |            |              |           |
| M 52                                                             | 5    | 47   | DIN 376 | 250            | 65             | -              | 40             | 32   |           | 7080AA5AA  |            |           |           |            |              |           |





| ALTINHD    | NIT                                 | ALTINHD   | DLC        | DLC       | VAP       | VAP       | TIN       | TIN       |                  |
|------------|-------------------------------------|-----------|------------|-----------|-----------|-----------|-----------|-----------|------------------|
| HSSE-PM    | HSSE                                | HSSE      | HSSE       | HSSE      | HSSE-PM   | HSSE-PM   | HSSE-PM   | HSSE-PM   |                  |
| B / 4-5    | B / 4-5                             | B / 4-5   | B / 4-5    | B / 2-3   | B / 4-5   | B / 4-5   | B / 4-5   | B / 4-5   |                  |
| ISO2X      | ISO2                                | ISO2      | ISO2       | ISO2      | ISO2X     | ISO2X     | ISO1X     | ISO2X     | d <sub>1</sub> P |
|            |                                     |           |            |           |           |           |           |           | M 1 0,25         |
|            |                                     |           |            |           |           |           |           |           | M 1,1 0,25       |
|            |                                     |           |            |           |           |           |           |           | M 1,2 0,25       |
|            |                                     |           |            |           |           |           |           |           | M 1,4 0,3        |
|            |                                     | 6535F0024 |            |           | 6084A2013 |           |           |           | M 1,6 0,35       |
|            |                                     |           |            |           |           |           |           |           | M 1,7 0,35       |
|            |                                     |           |            |           |           |           |           |           | M 1,8 0,35       |
| 6533K00119 | 6535AABAA                           | 6535F0025 | 6571K00120 | 6575B0025 | 6084A2014 |           | 6084A2039 |           | M 2 0,4          |
|            |                                     |           |            |           |           |           |           |           | M 2,2 0,45       |
| 6533K00118 | 6535AFAA                            | 6535F0026 | 6571K00121 | 6575B0026 | 6084A2015 |           |           |           | M 2,3 0,4        |
|            |                                     |           |            |           |           |           |           |           | M 2,5 0,45       |
|            |                                     |           |            |           |           |           |           |           | M 2,6 0,45       |
| 6533D00352 | 5535F0002<br>6535AAGAA<br>6535AAEAA | 6535F0011 | 6571F0052  | 6575B0027 | 6084A2016 | 6094AAAAA | 6084A2040 | 6084A2024 | M 3 0,5          |
|            |                                     |           |            |           |           |           |           |           | M 3,5 0,6        |
| 6533D00353 | 5535F0003<br>6535AAHAA<br>5535F0004 | 6535F0012 | 6571F0053  | 6575B0028 | 6084A2018 | 6094AACAA | 6084A2041 | 6084A2025 | M 4 0,7          |
| 6533D00354 | 6535AAIAA                           | 6535F0013 | 6571F0054  | 6575B0029 | 6084A2019 | 6094AADAA | 6084A2042 | 6084A2026 | M 5 0,8          |
| 6533D00355 | 5535F0005<br>6535AAJAA              | 6535F0014 | 6571F0055  | 6575B0030 | 6084A2020 | 6094AAEAA | 6084A2043 | 6084A2027 | M 6 1            |
|            |                                     |           |            |           |           |           |           |           | M 7 1            |
| 6533D00356 | 5535F0006<br>6535AAKAA              | 6535F0015 | 6571F0056  | 6575B0031 | 6084A2021 | 6094AAFAA | 6084A2044 | 6084A2028 | M 8 1,25         |
| 6533D00357 | 5535F0007<br>6535AALAA              | 6535F0016 | 6571F0057  | 6575B0032 | 6084A2022 | 6094AAGAA |           | 6084A2029 | M 10 1,5         |
| 7533D00358 | 5535F0008<br>7535AFAA               | 7535F0015 | 7571F0038  | 7575B0485 | 7084A3025 |           |           | 7084A3026 | M 12 1,75        |
| 7533D00359 | 7535AAGAA                           | 7535F0016 |            |           |           |           |           |           | M 14 2           |
| 7533D00360 | 7535AAHAA                           | 7535F0017 | 7571F0040  | 7575B0486 |           |           |           |           | M 16 2           |
| 7533D00361 | 7535A1927                           |           |            |           |           |           |           |           | M 18 2,5         |
| 7533D00362 | 7535AAJAA                           | 7535F0018 | 7571F0041  |           |           |           |           |           | M 20 2,5         |
|            | 7535A1928                           |           |            |           |           |           |           |           | M 22 2,5         |
|            | 7535AAKAA                           |           |            |           |           |           |           |           | M 24 3           |
|            | 7535A1929                           |           |            |           |           |           |           |           | M 27 3           |
|            | 7535AALAA                           |           |            |           |           |           |           |           | M 30 3,5         |
|            |                                     |           |            |           |           |           |           |           | M 33 3,5         |
|            |                                     |           |            |           |           |           |           |           | M 36 4           |
|            |                                     |           |            |           |           |           |           |           | M 39 4           |
|            |                                     |           |            |           |           |           |           |           | M 42 4,5         |
|            |                                     |           |            |           |           |           |           |           | M 45 4,5         |
|            |                                     |           |            |           |           |           |           |           | M 48 5           |
|            |                                     |           |            |           |           |           |           |           | M 52 5           |



OBERFLÄCHE / SURFACE  
SURFACE / SUPERFICIE

SCHNEIDSTOFF / MATERIAL  
MATIÈRE / MATERIALE

ANSCHNITTFORM / CHAMFER FORM  
FORME D'ENTRÉE / FORMA D'IMBOCCO

TICN

TICN

HSSE

HSSE-PM

D / 4-5

D / 4-5

| d <sub>1</sub> | P    |      | NORM    | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a    |
|----------------|------|------|---------|----------------|----------------|----------------|----------------|------|
| M 3            | 0,5  | 2,5  | DIN 371 | 56             | 11             | 18             | 3,5            | 2,7  |
| M 4            | 0,7  | 3,3  | DIN 371 | 63             | 13             | 21             | 4,5            | 3,4  |
| M 5            | 0,8  | 4,2  | DIN 371 | 70             | 15             | 25             | 6              | 4,9  |
| M 6            | 1    | 5    | DIN 371 | 80             | 17             | 30             | 6              | 4,9  |
| M 8            | 1,25 | 6,8  | DIN 371 | 90             | 20             | 35             | 8              | 6,2  |
| M 10           | 1,5  | 8,5  | DIN 371 | 100            | 22             | 39             | 10             | 8    |
| M 12           | 1,75 | 10,2 | DIN 376 | 110            | 24             | -              | 9              | 7    |
| M 16           | 2    | 14   | DIN 376 | 110            | 27             | -              | 12             | 9    |
| M 20           | 2,5  | 17,5 | DIN 376 | 140            | 32             | -              | 16             | 12   |
| M 24           | 3    | 21   | DIN 376 | 160            | 34             | -              | 18             | 14,5 |

ISO2X

ISO2X

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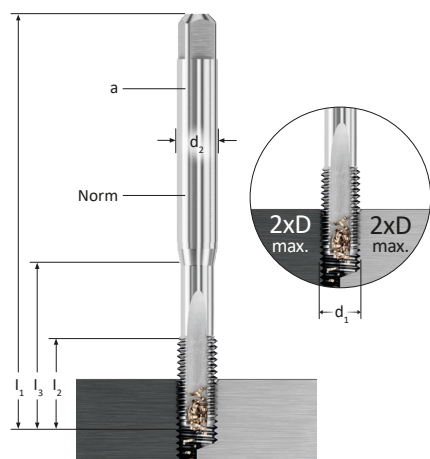
# SOLUTIONS@NORIS-REIME.DE

Das REIME Team steht Ihnen bei der Lösung Ihrer Zerspanungsaufgabe gerne zur Seite

The REIME team will be happy to solve your threading tasks

L'équipe de REIME se tient à votre disposition pour résoudre vos problèmes de filetage

Il team REIME sarà lieto di risolvere i vostri problemi di filettatura



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NORIS TWIN

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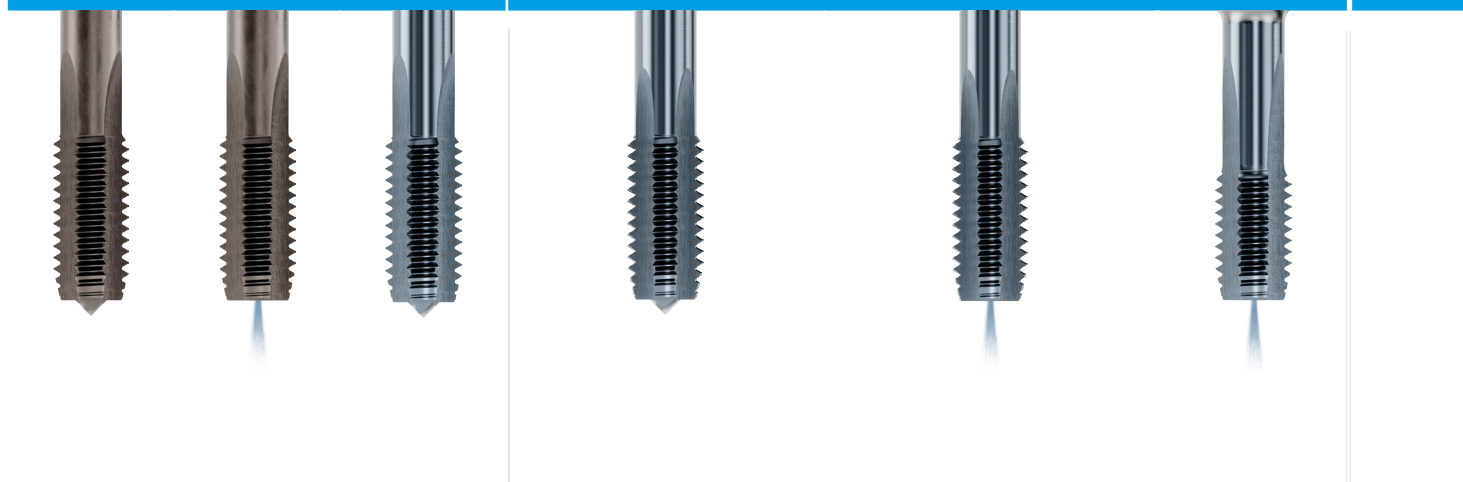
| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |      |      |         |                |                |                |                |      |  | -                       | NIT        |           | TICN       |           | -         |
|------------------------------------------------------------------|------|------|---------|----------------|----------------|----------------|----------------|------|--|-------------------------|------------|-----------|------------|-----------|-----------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |      |      |         |                |                |                |                |      |  | HSSE                    | HSSE       |           | HSSE       |           | HM        |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |      |      |         |                |                |                |                |      |  | C / 2-3                 | C / 2-3    |           | C / 2-3    |           | C / 2-3   |
| d <sub>1</sub>                                                   | P    |      | NORM    | I <sub>1</sub> | I <sub>2</sub> | I <sub>3</sub> | d <sub>2</sub> | a    |  | ISO2X                   | ISO2X - LH |           | ISO2X      | ISO2X     | ISO2X     |
| M 1                                                              | 0,25 | 0,75 | DIN 371 | 40             | 5              | -              | 2,5            | 2,1  |  | 6100A1120 <sup>1)</sup> |            |           |            |           |           |
| M 1,1                                                            | 0,25 | 0,85 | DIN 371 | 40             | 5              | -              | 2,5            | 2,1  |  | 6100AABAA <sup>1)</sup> |            |           |            |           |           |
| M 1,2                                                            | 0,25 | 0,95 | DIN 371 | 40             | 5              | -              | 2,5            | 2,1  |  | 6100AACAA <sup>1)</sup> |            |           |            |           |           |
| M 1,4                                                            | 0,3  | 1,1  | DIN 371 | 40             | 6              | -              | 2,5            | 2,1  |  | 6100AADAA <sup>1)</sup> |            |           |            |           |           |
| M 1,6                                                            | 0,35 | 1,25 | DIN 371 | 40             | 6              | 11             | 2,5            | 2,1  |  | 6100AAEAA               |            |           |            |           |           |
| M 1,7                                                            | 0,35 | 1,35 | DIN 371 | 40             | 6              | 11             | 2,5            | 2,1  |  | 6100AAFAA               |            |           |            |           |           |
| M 1,8                                                            | 0,35 | 1,45 | DIN 371 | 40             | 6              | 11             | 2,5            | 2,1  |  | 6100AAGAA               |            |           |            |           |           |
| M 2                                                              | 0,4  | 1,6  | DIN 371 | 45             | 7              | 12             | 2,8            | 2,1  |  | 6100AAHAA               |            | 6103B0007 |            | 6103B0009 |           |
| M 2,2                                                            | 0,45 | 1,75 | DIN 371 | 45             | 7              | 12             | 2,8            | 2,1  |  | 6100AAIAA               |            |           |            |           |           |
| M 2,3                                                            | 0,4  | 1,9  | DIN 371 | 45             | 7              | 12             | 2,8            | 2,1  |  | 6100AAJAA               |            |           |            |           |           |
| M 2,5                                                            | 0,45 | 2,05 | DIN 371 | 50             | 9              | 14             | 2,8            | 2,1  |  | 6100AAKAA               |            | 6103A1001 |            | 6103B0010 |           |
| M 2,6                                                            | 0,45 | 2,15 | DIN 371 | 50             | 9              | 14             | 2,8            | 2,1  |  | 6100AALAA               |            |           |            |           |           |
| M 3                                                              | 0,5  | 2,5  | DIN 352 | 40             | 10             | 18             | 3,5            | 2,7  |  | 5100A1292               | 5100A1472  |           |            |           |           |
|                                                                  |      |      | DIN 371 | 56             | 11             | 18             | 3,5            | 2,7  |  | 6100AAMAA               |            | 6103F0002 |            | 6103B0011 | 6300B0312 |
| M 3,5                                                            | 0,6  | 2,9  | DIN 371 | 56             | 12             | 20             | 4              | 3    |  | 6100AANAA               |            | 6103A1003 |            | 6103B0012 |           |
|                                                                  |      |      | DIN 352 | 45             | 12             | 22             | 4,5            | 3,4  |  | 5100A1294               | 5100A1474  |           |            |           |           |
| M 4                                                              | 0,7  | 3,3  | DIN 371 | 63             | 13             | 21             | 4,5            | 3,4  |  | 6100AAPAA               |            | 6103F0003 |            | 6103A1501 | 6300B0313 |
|                                                                  |      |      | DIN 376 | 63             | 13             | -              | 2,8            | 2,1  |  | 7100AADAA               |            |           |            |           |           |
|                                                                  |      |      | DIN 352 | 50             | 14             | 25             | 6              | 4,9  |  | 5100A1296               | 5100A1475  |           |            |           |           |
| M 5                                                              | 0,8  | 4,2  | DIN 371 | 70             | 15             | 25             | 6              | 4,9  |  | 6100AAQAA               |            | 6103F0004 | 6813F0001  | 6103A1502 | 6813F0005 |
|                                                                  |      |      | DIN 376 | 70             | 15             | -              | 3,5            | 2,7  |  | 7100AAEAA               |            |           |            |           | 6300B0314 |
|                                                                  |      |      | DIN 352 | 56             | 16             | 28             | 6              | 4,9  |  | 5100A1297               | 5100A1476  |           |            |           |           |
| M 6                                                              | 1    | 5    | DIN 371 | 80             | 17             | 30             | 6              | 4,9  |  | 6100AARAA               |            | 6103F0001 | 6813F0002  | 6103A1503 | 6813F0021 |
|                                                                  |      |      | DIN 376 | 80             | 17             | -              | 4,5            | 3,4  |  | 7100AAFPA               |            |           |            |           | 6300B0315 |
| M 7                                                              | 1    | 6    | DIN 371 | 80             | 17             | 30             | 7              | 5,5  |  | 6100AASAA               |            | 6103B0008 |            | 6103B0013 |           |
|                                                                  |      |      | DIN 376 | 80             | 17             | -              | 5,5            | 4,3  |  | 7100A1141               |            |           |            |           |           |
|                                                                  |      |      | DIN 352 | 63             | 20             | -              | 6              | 4,9  |  | 5100A1299               | 5100A1477  |           |            |           |           |
| M 8                                                              | 1,25 | 6,8  | DIN 371 | 90             | 20             | 35             | 8              | 6,2  |  | 6100AATAA               |            | 6103F0005 | 6813F0003  | 6103A1504 | 6813E5039 |
|                                                                  |      |      | DIN 376 | 90             | 20             | -              | 6              | 4,9  |  | 7100AAGAA               |            |           |            |           | 6300B0316 |
| M 9                                                              | 1,25 | 7,8  | DIN 371 | 90             | 20             | 35             | 9              | 7    |  | 6100A1144               |            |           |            |           |           |
|                                                                  |      |      | DIN 376 | 90             | 20             | -              | 7              | 5,5  |  | 7100A1145               |            |           |            |           |           |
|                                                                  |      |      | DIN 352 | 70             | 22             | -              | 7              | 5,5  |  | 5100A1301               | 5100A1478  |           |            |           |           |
| M 10                                                             | 1,5  | 8,5  | DIN 371 | 100            | 22             | 39             | 10             | 8    |  | 6100AAVAA               |            | 6103F0006 | 6813F0004  | 6103A1505 | 6813E5040 |
|                                                                  |      |      | DIN 376 | 100            | 22             | -              | 7              | 5,5  |  | 7100AAHAA               |            |           |            |           | 6300B0317 |
| M 11                                                             | 1,5  | 9,5  | DIN 376 | 100            | 22             | -              | 8              | 6,2  |  | 7100A1148               |            |           |            |           |           |
| M 12                                                             | 1,75 | 10,2 | DIN 352 | 75             | 24             | -              | 9              | 7    |  | 5100A1302               | 5100A1479  |           |            |           |           |
|                                                                  |      |      | DIN 376 | 110            | 24             | -              | 9              | 7    |  | 7100AAIAA               |            | 7103AAWAA | 7813F0003  | 7103A1506 | 7813E5042 |
| M 14                                                             | 2    | 12   | DIN 371 | 110            | 24             | 44             | 14             | 11   |  |                         |            | 7103A1010 | 7813K00257 | 7103B0437 | 7813F0006 |
|                                                                  |      |      | DIN 376 | 110            | 26             | -              | 11             | 9    |  | 7100AAJAA               |            |           |            |           |           |
| M 16                                                             | 2    | 14   | DIN 371 | 110            | 24             | 44             | 16             | 12   |  |                         |            |           |            |           |           |
|                                                                  |      |      | DIN 376 | 110            | 27             | -              | 12             | 9    |  | 7100AAKAA               |            | 7103F0011 | 7813F0004  | 7103A1507 | 7813E5044 |
| M 18                                                             | 2,5  | 15,5 | DIN 376 | 125            | 30             | -              | 14             | 11   |  | 7100AALAA               |            | 7103A1012 |            | 7103B0438 | 7300B0721 |
| M 20                                                             | 2,5  | 17,5 | DIN 376 | 140            | 32             | -              | 16             | 12   |  | 7100AAMAA               |            | 7103A1013 | 7813A5130  | 7103A1508 | 7813E5045 |
| M 22                                                             | 2,5  | 19,5 | DIN 376 | 140            | 32             | -              | 18             | 14,5 |  | 7100AANAA               |            |           |            |           | 7300B0723 |
| M 24                                                             | 3    | 21   | DIN 376 | 160            | 34             | -              | 18             | 14,5 |  | 7100AAPAA               |            | 7103A1015 |            | 7103B0439 | 7300B0724 |
| M 27                                                             | 3    | 24   | DIN 376 | 160            | 36             | -              | 20             | 16   |  | 7100AAQAA               |            |           |            |           |           |
| M 30                                                             | 3,5  | 26,5 | DIN 376 | 180            | 40             | -              | 22             | 18   |  | 7100AARAA               |            |           |            |           |           |
| M 33                                                             | 3,5  | 29,5 | DIN 376 | 180            | 40             | -              | 25             | 20   |  | 7100AASAA               |            |           |            |           |           |
| M 36                                                             | 4    | 32   | DIN 376 | 200            | 50             | -              | 28             | 22   |  | 7100AATAA               |            |           |            |           |           |
| M 39                                                             | 4    | 35   | DIN 376 | 200            | 50             | -              | 32             | 24   |  | 7100AAUAA               |            |           |            |           |           |
| M 42                                                             | 4,5  | 37,5 | DIN 376 | 200            | 56             | -              | 32             | 24   |  | 7100AAVAA               |            |           |            |           |           |
| M 45                                                             | 4,5  | 40,5 | DIN 376 | 220            | 58             | -              | 36             | 29   |  | 7100A1163               |            |           |            |           |           |
| M 48                                                             | 5    | 43   | DIN 376 | 250            | 65             | -              | 36             | 29   |  | 7100A1164               |            |           |            |           |           |
| M 52                                                             | 5    | 47   | DIN 376 | 250            | 65             | -              | 40             | 32   |  | 7100A1165               |            |           |            |           |           |

<sup>1)</sup> ≤ M1,4 Tol. ISO 1 / ISO 1X

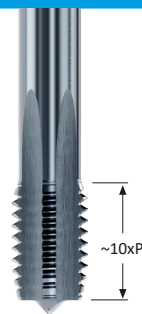
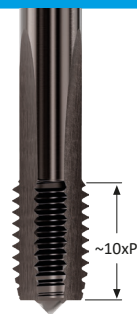
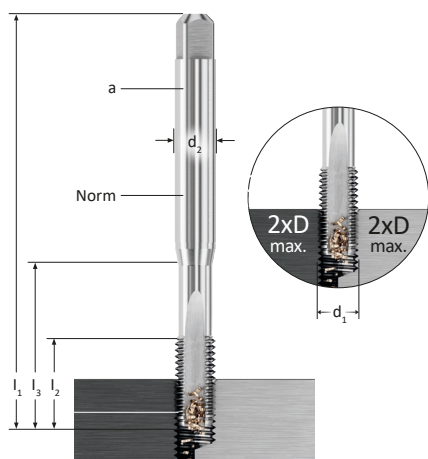
# NORIS TWIN

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| NIT       |           | TICN         | TICN      |            | TICN       |            | TICN         |                  |
|-----------|-----------|--------------|-----------|------------|------------|------------|--------------|------------------|
| HSSE      |           | HSSE         | HSSE-PM   |            | HSSE-PM    |            | HM           |                  |
| C / 2-3   |           | C / 2-3      | C / 2-3   | E / 1,5-2  | C / 2-3    | E / 1,5-2  | E / 1,5-2    |                  |
| ISO2X     | ISO2X     | ISO2X        | ISO2X     | ISO2X      | ISO2X      | ISO2X      | ISO2X        | d <sub>1</sub> P |
|           |           |              |           |            |            |            |              | M 1 0,25         |
|           |           |              |           |            |            |            |              | M 1,1 0,25       |
|           |           |              |           |            |            |            |              | M 1,2 0,25       |
|           |           |              |           |            |            |            |              | M 1,4 0,3        |
|           |           |              |           |            |            |            |              | M 1,6 0,35       |
|           |           |              |           |            |            |            |              | M 1,7 0,35       |
|           |           |              |           |            |            |            |              | M 1,8 0,35       |
| 6200AADAA |           |              |           |            |            |            |              | M 2 0,4          |
|           |           |              |           |            |            |            |              | M 2,2 0,45       |
| 6200AAEAA |           |              |           |            |            |            |              | M 2,3 0,4        |
|           |           |              |           |            |            |            |              | M 2,5 0,45       |
|           |           |              |           |            |            |            |              | M 2,6 0,45       |
| 6200AAFAA |           | 6200S0550443 |           |            |            |            |              | M 3 0,5          |
| 6200AAGAA |           |              |           |            |            |            |              | M 3,5 0,6        |
| 6200AAHAA |           | 6200B0014    |           |            |            |            | 630GRE000405 | M 4 0,7          |
| 6200AAIAA | 6820AAAAA | 6200B0015    | 620GF0004 | 620GF0009  | 682GF0002  | 682GF0007  | 630GRE000505 | M 5 0,8          |
| 6200AAJAA | 6820AABAA | 6200B0016    | 620GF0005 | 620GF0010  | 682GF0003  | 682GF0008  | 630GRE000605 | M 6 1            |
| 6200A1384 |           | 6200K00115   | 620GF0006 | 620GF0011  | 682GF0004  | 682GF0009  |              | M 7 1            |
| 6200AAKAA | 6820AACAA | 6200B0017    | 620GF0007 | 620GF0012  | 682GF0005  | 682GF0010  | 630GRE000805 | M 8 1,25         |
|           |           |              |           |            |            |            |              | M 9 1,25         |
| 6200AALAA | 6820AADAA | 6200B0018    | 620GF0008 | 620GF0013  | 682GF0006  | 682GF0011  | 630GRE001005 | M 10 1,5         |
|           |           |              |           |            |            |            |              |                  |
| 7200AAHAA | 7820AAAAA | 7200B0458    | 720GF0001 | 720GF0007  | 782GF0002  | 782GF0008  | 730GRE001125 | M 12 1,75        |
| 7200AAIAA | 7820AABAA | 7200B0459    |           |            |            |            |              | M 14 2           |
| 7200AAJAA | 7820AACAA | 7200B0460    | 720GF0002 | 720GF0001  | 782GF0003  | 782GF0001  | 730GRE001165 | M 16 2           |
| 7200AAKAA |           | 7200B0461    |           |            |            |            |              | M 18 2,5         |
| 7200AALAA | 7820AADAA | 7200B0462    |           | 720GK00336 | 782GK00338 | 782GK00340 |              | M 20 2,5         |
| 7200AAMAA |           | 7200B0463    |           |            |            |            |              | M 22 2,5         |
| 7200AANAA |           | 7200B0464    |           |            |            |            |              | M 24 3           |
| 7200AAPAA |           |              |           |            |            |            |              | M 27 3           |
| 7200AAQAA |           |              |           |            |            |            |              | M 30 3,5         |
|           |           |              |           |            |            |            |              | M 33 3,5         |
|           |           |              |           |            |            |            |              | M 36 4           |
|           |           |              |           |            |            |            |              | M 39 4           |
|           |           |              |           |            |            |            |              | M 42 4,5         |
|           |           |              |           |            |            |            |              | M 45 4,5         |
|           |           |              |           |            |            |            |              | M 48 5           |
|           |           |              |           |            |            |            |              | M 52 5           |



| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |      |      |         |                |                |                |                |      |           |           | -       | -         | OSM       | TICN    | ALTIN     |
|------------------------------------------------------------------|------|------|---------|----------------|----------------|----------------|----------------|------|-----------|-----------|---------|-----------|-----------|---------|-----------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |      |      |         |                |                |                |                |      |           |           | HSSE    | HSSE-PM   | HSSE      | HSSE-PM | HM        |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |      |      |         |                |                |                |                |      |           |           | C / 2-3 | C / 2-3   | C / 2-3   | C / 2-3 | D / 4-5   |
| d <sub>1</sub>                                                   | P    |      | NORM    | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a    |           |           |         |           |           |         |           |
| M 2                                                              | 0,4  | 1,6  | DIN 371 | 45             | 7              | 12             | 2,8            | 2,1  | 6250A1461 |           |         |           |           |         |           |
| M 2,5                                                            | 0,45 | 2,05 | DIN 371 | 50             | 9              | 14             | 2,8            | 2,1  | 6250A1463 |           |         |           |           |         |           |
|                                                                  |      |      | DIN 352 | 40             | 10             | 18             | 3,5            | 2,7  | 5250AAFAA |           |         |           |           |         |           |
| M 3                                                              | 0,5  | 2,5  | DIN 371 | 56             | 11             | 18             | 3,5            | 2,7  | 6250A1464 | 6106AAAAA |         | 610AB0001 |           |         |           |
|                                                                  |      |      | DIN 371 | 63             | 6              | 18             | 4,5            | 3,4  |           |           |         |           |           |         | 6260AAAAA |
| M 3,5                                                            | 0,6  | 2,9  | DIN 371 | 56             | 12             | 20             | 4              | 3    | 6250A1465 |           |         |           |           |         |           |
|                                                                  |      |      | DIN 352 | 45             | 12             | 22             | 4,5            | 3,4  | 5250AAHAA |           |         |           |           |         |           |
| M 4                                                              | 0,7  | 3,3  | DIN 371 | 63             | 13             | 21             | 4,5            | 3,4  | 6250A1466 | 6106AABAA |         | 610AB0002 |           |         | 6260AABAA |
|                                                                  |      |      | DIN 352 | 50             | 14             | 25             | 6              | 4,9  | 5250AAIAA |           |         |           |           |         |           |
| M 5                                                              | 0,8  | 4,2  | DIN 371 | 70             | 15             | 25             | 6              | 4,9  | 6250A1467 | 6106AACAA |         | 610AB0003 |           |         | 6260AACAA |
|                                                                  |      |      | DIN 352 | 56             | 16             | 28             | 6              | 4,9  | 5250AAJAA |           |         |           |           |         |           |
| M 6                                                              | 1    | 5    | DIN 371 | 80             | 17             | 30             | 6              | 4,9  | 6250A1468 | 6106AADAA |         | 610AB0004 | 610HF0003 |         | 6260AADAA |
|                                                                  |      |      | DIN 352 | 63             | 20             | -              | 6              | 4,9  | 5250AAKAA |           |         |           |           |         |           |
| M 8                                                              | 1,25 | 6,8  | DIN 371 | 90             | 20             | 35             | 8              | 6,2  | 6250A1469 | 6106AAEAA |         | 610AB0005 | 610HF0001 |         | 6260AAEAA |
|                                                                  |      |      | DIN 352 | 70             | 22             | -              | 7              | 5,5  | 5250AALAA |           |         |           |           |         |           |
| M 10                                                             | 1,5  | 8,5  | DIN 371 | 100            | 22             | 39             | 10             | 8    | 6250A1470 | 6106AAFAA |         | 610AB0006 | 610HF0002 |         | 6260AAFAA |
|                                                                  |      |      | DIN 371 | 110            | 24             | 44             | 12             | 9    |           |           |         |           |           |         | 6260F0005 |
| M 12                                                             | 1,75 | 10,2 | DIN 376 | 110            | 24             | -              | 9              | 7    |           | 7106AABAA |         |           | 710HF0001 |         |           |
|                                                                  |      |      | DIN 371 | 110            | 24             | 44             | 16             | 12   |           |           |         |           |           |         | 6260F0004 |
| M 14                                                             | 2    | 12   | DIN 376 | 110            | 27             | -              | 12             | 9    |           |           |         |           | 710HF0003 |         | 6260F0003 |
| M 16                                                             | 2    | 14   | DIN 376 | 125            | 30             | -              | 14             | 11   |           |           |         |           |           |         |           |
| M 18                                                             | 2,5  | 15,5 | DIN 376 | 140            | 32             | -              | 16             | 12   |           | 7106AAEAA |         |           |           |         |           |
| M 20                                                             | 2,5  | 17,5 | DIN 376 | 140            | 32             | -              | 18             | 14,5 |           |           |         |           |           |         |           |
| M 22                                                             | 2,5  | 19,5 | DIN 376 | 140            | 32             | -              | 18             | 14,5 |           |           |         |           |           |         |           |
| M 24                                                             | 3    | 21   | DIN 376 | 160            | 34             | -              | 18             | 14,5 |           | 7106AAFAA |         |           |           |         |           |





## SOLUTIONS@NORIS-REIME.DE

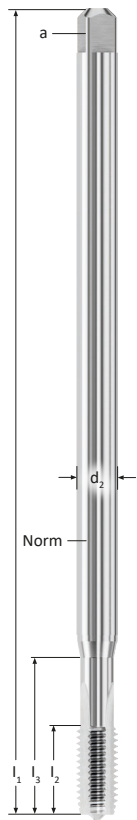
Das REIME Team steht Ihnen bei der Lösung Ihrer Zerspanungsaufgabe gerne zur Seite

The REIME team will be happy to solve your threading tasks

L'équipe de REIME se tient à votre disposition pour résoudre vos problèmes de filetage

Il team REIME sarà lieto di risolvere i vostri problemi di filettatura





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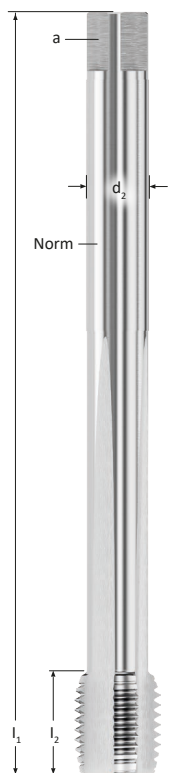


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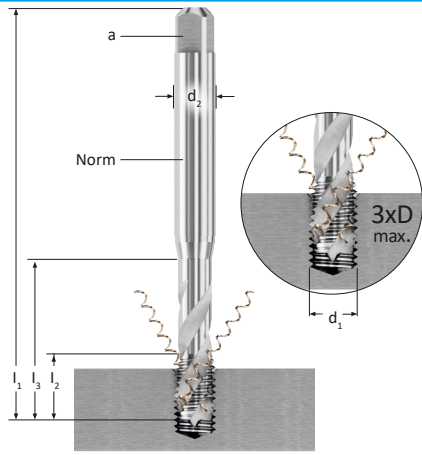


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| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |      |      |                |                |                |                |     |     |  |  | NITVAP    | -         | NIT       | -         | VAP       | -         |
|------------------------------------------------------------------|------|------|----------------|----------------|----------------|----------------|-----|-----|--|--|-----------|-----------|-----------|-----------|-----------|-----------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |      |      |                |                |                |                |     |     |  |  | HSSE      | HSSE      | HSSE      | HSSE      | HSSE      | HSSE      |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |      |      |                |                |                |                |     |     |  |  | B / 4-5   | B / 4-5   | C / 2-3   | E / 1,5-2 | C / 2-3   | C / 2-3   |
| d <sub>1</sub>                                                   | P    | NORM | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a   |     |  |  | ISO2      | ISO2      | ISO2X     | ISO2      | ISO2      | ISO2      |
| M 3                                                              | 0,5  | 2,5  | -              | 100            | 11             | 18             | 3,5 | 2,7 |  |  | 6580AAAAA | 6190B0325 | 6183A5187 | 6710AAAAA | 6672AAAAA | 6670B0330 |
| M 4                                                              | 0,7  | 3,3  | -              | 125            | 13             | 21             | 4,5 | 3,4 |  |  | 6580AABAA | 6190B0326 | 6183A5188 | 6710AABAA | 6672AABAA | 6670B0331 |
| M 5                                                              | 0,8  | 4,2  | -              | 140            | 15             | 25             | 6   | 4,9 |  |  | 6580AACAA | 6190B0327 | 6183A5189 | 6710AACAA | 6672AACAA | 6670B0332 |
| M 6                                                              | 1    | 5    | -              | 160            | 17             | 30             | 6   | 4,9 |  |  | 6580AADAA | 6190B0328 | 6183A5190 | 6710AADAA | 6672AADAA | 6670B0333 |
|                                                                  |      |      | -              | 160            | 17             | -              | 4,5 | 3,4 |  |  | 7580A5217 | 7190B0744 | 7183A5191 | 7710AAAAA | 7672A5257 | 7670B0752 |
| M 8                                                              | 1,25 | 6,8  | -              | 180            | 20             | 35             | 8   | 6,2 |  |  | 6580AAEAA | 6190B0329 | 6183A5192 | 6710AAEAA | 6672AAEAA | 6670B0334 |
|                                                                  |      |      | -              | 180            | 20             | -              | 6   | 4,9 |  |  | 7580A5219 | 7190B0745 | 7183A5193 | 7710AABAA | 7672A5259 | 7670B0753 |
| M 10                                                             | 1,5  | 8,5  | -              | 200            | 22             | -              | 7   | 5,5 |  |  | 7580A5220 | 7190B0746 | 7183A5194 | 7710AACAA | 7672AAAAA | 7670B0754 |
| M 12                                                             | 1,75 | 10,2 | -              | 224            | 24             | -              | 9   | 7   |  |  | 7580AADAA | 7190B0747 | 7183A5195 | 7710AADAA | 7672AABAA | 7670B0755 |
| M 14                                                             | 2    | 12   | -              | 224            | 26             | -              | 11  | 9   |  |  | 7580A5223 | 7190B0748 | 7183A5196 | 7710AAEAA | 7672E3114 | 7670B0756 |
| M 16                                                             | 2    | 14   | -              | 224            | 27             | -              | 12  | 9   |  |  | 7580AAFAA | 7190B0749 | 7183A5197 | 7710AAFAA | 7672AACAA | 7670B0757 |
| M 18                                                             | 2,5  | 15,5 | -              | 250            | 30             | -              | 14  | 11  |  |  | 7580A5225 | 7190B0750 | 7183A5198 | 7710A5238 | 7672A5264 | 7670B0758 |
| M 20                                                             | 2,5  | 17,5 | -              | 280            | 32             | -              | 16  | 12  |  |  | 7580A5226 | 7190B0751 | 7183A5199 | 7710AAGAA | 7672E0255 | 7670B0759 |



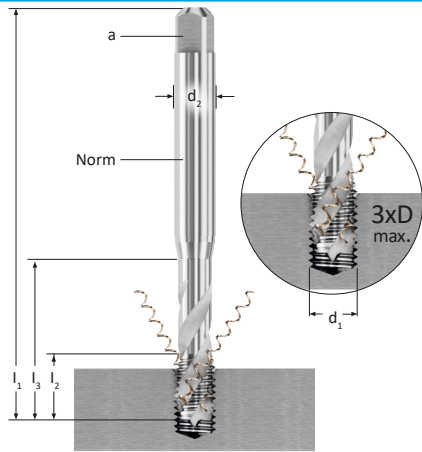
| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |                |      |                                                                                     |            |                |                |                |                |      | TICN         |  | TIN        |  |
|------------------------------------------------------------------|----------------|------|-------------------------------------------------------------------------------------|------------|----------------|----------------|----------------|----------------|------|--------------|--|------------|--|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |                |      |                                                                                     |            |                |                |                |                |      | HSSE         |  | HSSE       |  |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |                |      |                                                                                     |            |                |                |                |                |      | C / 2-3      |  | C / 2-3    |  |
| S                                                                | d <sub>1</sub> | P    |  | NORM       | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a    | ISO2X        |  | ISO2X      |  |
| M 20                                                             | 2,5            | 17,5 |                                                                                     | DIN 376 LF | 190            | 25             | -              | 16             | 12   | 981CK00363   |  | 984CK00375 |  |
| M 22                                                             | 2,5            | 19,5 |                                                                                     | DIN 376 LF | 230            | 27             | -              | 18             | 14,5 | 981CK00364   |  | 984CK00376 |  |
| M 24                                                             | 3              | 21   |                                                                                     | DIN 376 LF | 240            | 30             | -              | 18             | 14,5 | 981CS0561623 |  | 984CK00377 |  |
| M 27                                                             | 3              | 24   |                                                                                     | DIN 376 LF | 250            | 30             | -              | 20             | 16   | 981CK00367   |  | 984CK00379 |  |
| M 30                                                             | 3,5            | 26,5 |                                                                                     | DIN 376 LF | 270            | 35             | -              | 22             | 18   | 981CS0561664 |  | 984CK00380 |  |
| M 33                                                             | 3,5            | 29,5 |                                                                                     | DIN 376 LF | 290            | 35             | -              | 25             | 20   | 981CK00370   |  | 984CK00382 |  |
| M 36                                                             | 4              | 32   |                                                                                     | DIN 376 LF | 310            | 40             | -              | 28             | 22   | 981CK00371   |  | 984CK00383 |  |
| M 42                                                             | 4,5            | 37,5 |                                                                                     | DIN 376 LF | 340            | 45             | -              | 32             | 24   | 981CK00373   |  | 984CK00385 |  |
| M 45                                                             | 4,5            | 40,5 |                                                                                     | DIN 376 LF | 360            | 45             | -              | 36             | 29   | 981CK00374   |  | 984CK00386 |  |



| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |   |      |      |         |                |                |                |                |      | VAP       |           |           |           |
|------------------------------------------------------------------|---|------|------|---------|----------------|----------------|----------------|----------------|------|-----------|-----------|-----------|-----------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |   |      |      |         |                |                |                |                |      | HSSE      |           |           |           |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |   |      |      |         |                |                |                |                |      | C / 2-3   |           | E / 1,5-2 |           |
| d <sub>1</sub>                                                   | x | P    |      | NORM    | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a    | ISO2      | ISO2      | ISO3      | ISO2      |
| MF 4                                                             | x | 0,5  | 3,5  | DIN 371 | 63             | 5              | 21             | 4,5            | 3,4  | 6642A5618 |           | 6642A4440 |           |
| MF 5                                                             | x | 0,5  | 4,5  | DIN 371 | 70             | 5              | 25             | 6              | 4,9  | 6642F0043 |           | 6642A4441 |           |
| MF 6                                                             | x | 0,5  | 5,5  | DIN 371 | 80             | 5              | 30             | 6              | 4,9  | 6642A5620 |           |           |           |
| MF 6                                                             | x | 0,75 | 5,2  | DIN 371 | 80             | 8              | 30             | 6              | 4,9  | 6642A5621 |           | 6642A4443 |           |
|                                                                  |   |      |      | DIN 374 | 80             | 8              | -              | 4,5            | 3,4  | 7642ABNAA |           |           |           |
| MF 8                                                             | x | 0,75 | 7,2  | DIN 374 | 80             | 8              | -              | 6              | 4,9  | 7642ABPAA |           |           |           |
| MF 8                                                             | x | 1    | 7    | DIN 374 | 90             | 10             | -              | 6              | 4,9  | 7642ABQAA | 7642ABQAP | 7642A4445 |           |
| MF 10                                                            | x | 0,75 | 9,2  | DIN 374 | 90             | 10             | -              | 7              | 5,5  | 7642A5625 |           |           |           |
| MF 10                                                            | x | 1    | 9    | DIN 371 | 90             | 10             | 35             | 10             | 8    |           |           |           |           |
|                                                                  |   |      |      | DIN 374 | 90             | 10             | -              | 7              | 5,5  | 7642ABRAA | 7642ABRAR | 7642A4446 |           |
| MF 10                                                            | x | 1,25 | 8,8  | DIN 371 | 100            | 16             | 39             | 10             | 8    |           |           |           |           |
|                                                                  |   |      |      | DIN 374 | 100            | 16             | -              | 7              | 5,5  | 7642ADUAA |           |           |           |
| MF 12                                                            | x | 1    | 11   | DIN 374 | 100            | 11             | -              | 9              | 7    | 7642ABSAA |           | 7642A4447 |           |
| MF 12                                                            | x | 1,25 | 10,8 | DIN 374 | 100            | 15             | -              | 9              | 7    | 7642ADVAA |           |           |           |
| MF 12                                                            | x | 1,5  | 10,5 | DIN 374 | 100            | 15             | -              | 9              | 7    | 7642ABTAA | 7642AY9AB | 7642A4448 | 7852A5065 |
| MF 14                                                            | x | 1,5  | 12,5 | DIN 374 | 100            | 15             | -              | 11             | 9    | 7642ABUAA | 7642ABUAW | 7642A4449 | 7852A5066 |
| MF 16                                                            | x | 1,5  | 14,5 | DIN 374 | 100            | 15             | -              | 12             | 9    | 7642ABVAA | 7642ABVAS | 7642A4450 | 7852A5067 |
| MF 18                                                            | x | 1,5  | 16,5 | DIN 374 | 110            | 17             | -              | 14             | 11   | 7642ABWAA |           | 7642A4451 |           |
| MF 20                                                            | x | 1,5  | 18,5 | DIN 374 | 125            | 17             | -              | 16             | 12   | 7642ABXAA |           | 7642A4452 | 7852A5068 |
| MF 22                                                            | x | 1,5  | 20,5 | DIN 374 | 125            | 17             | -              | 18             | 14,5 | 7642ABYAA |           |           |           |
| MF 24                                                            | x | 1,5  | 22,5 | DIN 374 | 140            | 20             | -              | 18             | 14,5 | 7642ABZAA |           |           |           |
| MF 26                                                            | x | 1,5  | 24,5 | DIN 374 | 140            | 20             | -              | 18             | 14,5 | 7642AB0AA |           |           |           |
| MF 28                                                            | x | 1,5  | 26,5 | DIN 374 | 140            | 20             | -              | 20             | 16   | 7642AB2AA |           |           |           |
| MF 30                                                            | x | 1,5  | 28,5 | DIN 374 | 150            | 22             | -              | 22             | 18   | 7642AB3AA |           |           |           |



| TIN       |           | ALTINHD   |           |           |                    |
|-----------|-----------|-----------|-----------|-----------|--------------------|
| HSSE      |           | HSSE      |           |           |                    |
| C / 2-3   | E /1,5-2  | E /1,5-2  |           |           |                    |
| ISO2      | ISO2      | ISO2      | ISO3      | 7G        | d <sub>1</sub> x P |
| 6642B0181 |           |           |           |           | MF 4 x 0,5         |
| 6642B0182 |           | 6470F0019 |           |           | MF 5 x 0,5         |
| 6642B0183 |           | 6470F0020 |           |           | MF 6 x 0,5         |
| 6642B0184 |           | 6470F0021 |           |           | MF 6 x 0,75        |
|           |           |           |           |           | MF 6 x 0,75        |
|           |           | 7470F0035 | 7470F0034 |           | MF 8 x 0,75        |
| 7642ABQAB | 7642ABQAQ | 7470F0038 | 7470F0036 | 7470F0037 | MF 8 x 1           |
|           |           |           |           |           | MF 10 x 0,75       |
| 6642B0186 |           |           |           |           | MF 10 x 1          |
| 7642ABRAB | 7642ABRAT | 7470F0041 | 7470F0040 | 7470F0039 | MF 10 x 1          |
| 6642B0187 |           |           |           |           | MF 10 x 1,25       |
|           |           |           |           |           | MF 10 x 1,25       |
| 7642A3832 | 7642A4483 | 7470F0042 | 7470F0043 |           | MF 12 x 1          |
|           |           |           |           |           | MF 12 x 1,25       |
| 7642ABTAB | 7642AY9AC | 7470F0045 | 7470F0046 | 7470F0044 | MF 12 x 1,5        |
| 7642ABUAB | 7642ABUAX | 7470F0048 | 7470F0047 | 7470F0049 | MF 14 x 1,5        |
| 7642ABVAB | 7642ABVAT | 7470F0051 | 7470F0052 | 7470F0050 | MF 16 x 1,5        |
| 7642A3836 | 7642A4487 | 7470F0053 |           |           | MF 18 x 1,5        |
| 7642A3837 | 7642A4488 | 7470F0054 |           | 7470F0055 | MF 20 x 1,5        |
|           |           |           |           |           | MF 22 x 1,5        |
|           |           |           |           |           | MF 24 x 1,5        |
|           |           |           |           |           | MF 26 x 1,5        |
|           |           |           |           |           | MF 28 x 1,5        |
|           |           |           |           |           | MF 30 x 1,5        |



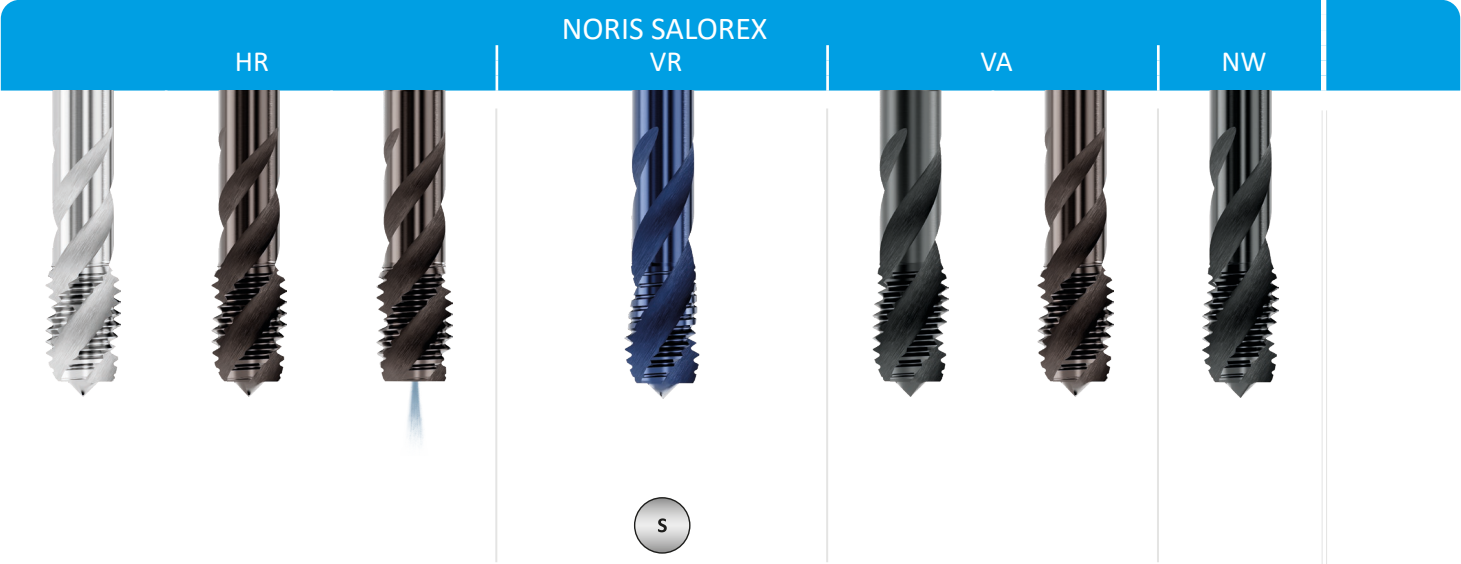
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| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |        |      |         |                |                |                |                |      |           | -         |           |           | TIN        | TIN       |
|------------------------------------------------------------------|--------|------|---------|----------------|----------------|----------------|----------------|------|-----------|-----------|-----------|-----------|------------|-----------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |        |      |         |                |                |                |                |      |           | HSSE      |           |           | HSSE       | HSSE-PM   |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |        |      |         |                |                |                |                |      |           | C / 2-3   |           |           | C / 2-3    | C / 2-3   |
| d <sub>1</sub>                                                   | x      | P    | NORM    | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a    |           | ISO1      | ISO2 - LH | ISO2      | ISO2       | ISO2      |
| MF 2,5                                                           | x 0,35 | 2,15 | DIN 371 | 50             | 5              | 12             | 2,8            | 2,1  |           |           |           | 6640A3507 |            |           |
| MF 2,6                                                           | x 0,35 | 2,25 | DIN 371 | 50             | 5              | 12             | 2,8            | 2,1  |           |           |           | 6640B0179 |            |           |
| MF 3                                                             | x 0,35 | 2,65 | DIN 371 | 56             | 5              | 18             | 3,5            | 2,7  |           |           |           | 6640A3508 |            |           |
| MF 3,5                                                           | x 0,35 | 3,15 | DIN 371 | 56             | 5              | 20             | 4              | 3    |           |           |           | 6640A3509 |            |           |
| MF 4                                                             | x 0,5  | 3,5  | DIN 371 | 63             | 5              | 21             | 4,5            | 3,4  | 6640A3709 |           |           | 6640A3510 |            |           |
| MF 5                                                             | x 0,5  | 4,5  | DIN 371 | 70             | 5              | 25             | 6              | 4,9  | 6640A3710 |           |           | 6640A3511 |            |           |
| MF 6                                                             | x 0,5  | 5,5  | DIN 371 | 80             | 5              | 30             | 6              | 4,9  |           |           |           | 6640A3512 |            |           |
| MF 6                                                             | x 0,75 | 5,2  | DIN 371 | 80             | 8              | 30             | 6              | 4,9  | 6640A3712 |           |           | 6640A3513 |            |           |
| MF 7                                                             | x 0,75 | 6,2  | DIN 371 | 80             | 8              | 30             | 7              | 5,5  |           |           |           | 7640AAZAA | 7640D00179 |           |
| MF 8                                                             | x 0,75 | 7,2  | DIN 371 | 80             | 8              | 30             | 8              | 6,2  |           |           |           | 6640A3515 |            |           |
| MF 8                                                             | x 1    | 7    | DIN 371 | 90             | 10             | 35             | 8              | 6,2  |           |           |           | 7640AA1AA | 7640D00180 |           |
| MF 9                                                             | x 1    | 8    | DIN 371 | 90             | 10             | 35             | 9              | 7    | 7640A3714 | 7640A3806 |           | 6640A3518 | 7640D00181 | 7880A4535 |
| MF 10                                                            | x 0,75 | 9,2  | DIN 371 | 90             | 8              | 35             | 10             | 8    |           |           |           | 6640A3521 |            |           |
| MF 10                                                            | x 1    | 9    | DIN 371 | 90             | 10             | 35             | 10             | 8    |           |           |           | 7640A3522 |            |           |
| MF 10                                                            | x 1,25 | 8,8  | DIN 371 | 100            | 16             | 39             | 10             | 8    | 7640A3715 | 7640A3807 |           | 6640A3523 |            |           |
| MF 11                                                            | x 1    | 10   | DIN 371 | 100            | 16             | -              | 7              | 5,5  |           |           |           | 7640A3524 | 7640D00182 |           |
| MF 12                                                            | x 1    | 11   | DIN 371 | 100            | 11             | -              | 9              | 7    |           |           |           | 7640AA3AA | 7640D00183 | 7880A4536 |
| MF 12                                                            | x 1,25 | 10,8 | DIN 371 | 100            | 15             | -              | 9              | 7    |           |           |           | 6640A3525 |            |           |
| MF 12                                                            | x 1,5  | 10,5 | DIN 371 | 100            | 15             | -              | 9              | 7    |           |           |           | 7640A3527 | 7640D00184 | 7880F0010 |
| MF 14                                                            | x 1    | 13   | DIN 371 | 100            | 11             | -              | 11             | 9    |           |           |           | 6640A3529 |            |           |
| MF 14                                                            | x 1,25 | 12,8 | DIN 371 | 100            | 15             | -              | 11             | 9    | 7640A3716 | 7640A3808 |           | 7640AA4AA | 7640D00185 |           |
| MF 14                                                            | x 1,5  | 12,5 | DIN 371 | 100            | 15             | -              | 11             | 9    |           |           |           | 7640A3531 | 7640D00186 | 7880F0008 |
| MF 16                                                            | x 1    | 15   | DIN 371 | 100            | 12             | -              | 12             | 9    | 7640A3717 | 7640A3809 |           | 7640AA5AA | 7640D00187 | 7880A4537 |
| MF 16                                                            | x 1,5  | 14,5 | DIN 371 | 100            | 15             | -              | 12             | 9    |           |           |           | 7640A3535 | 7640D00188 |           |
| MF 18                                                            | x 1    | 17   | DIN 371 | 110            | 13             | -              | 14             | 11   | 7640A3718 | 7640A3810 |           | 7640A3536 | 7640D00189 |           |
| MF 18                                                            | x 1,5  | 16,5 | DIN 371 | 110            | 17             | -              | 14             | 11   |           |           |           | 7640AA6AA | 7640D00190 | 7880A4538 |
| MF 20                                                            | x 1    | 19   | DIN 371 | 125            | 14             | -              | 16             | 12   | 7640A3719 | 7640A3811 |           | 7640A3540 | 7640D00191 |           |
| MF 20                                                            | x 1,5  | 18,5 | DIN 371 | 125            | 17             | -              | 16             | 12   |           |           |           | 7640AA7AA | 7640D00192 | 7880A4539 |
| MF 22                                                            | x 1    | 21   | DIN 371 | 125            | 14             | -              | 18             | 14,5 | 7640A3720 | 7640A3812 |           | 7640A3541 |            | 7880B0800 |
| MF 22                                                            | x 1,5  | 20,5 | DIN 371 | 125            | 17             | -              | 18             | 14,5 |           |           |           | 7640AA8AA |            |           |
| MF 24                                                            | x 1    | 23   | DIN 371 | 140            | 20             | -              | 18             | 14,5 |           |           |           | 7640A3543 |            |           |
| MF 24                                                            | x 1,5  | 22,5 | DIN 371 | 140            | 20             | -              | 18             | 14,5 | 7640A3721 | 7640A3813 |           | 7640A3544 | 7640D00193 |           |
| MF 26                                                            | x 1,5  | 24,5 | DIN 371 | 140            | 20             | -              | 18             | 14,5 |           |           |           | 7640AA9AA | 7640D00194 | 7880B0801 |
| MF 27                                                            | x 1,5  | 25,5 | DIN 371 | 140            | 20             | -              | 20             | 16   |           |           |           | 7640A3546 | 7640D00195 |           |
| MF 28                                                            | x 1,5  | 26,5 | DIN 371 | 140            | 20             | -              | 20             | 16   |           |           |           | 7640A3548 |            |           |
| MF 30                                                            | x 1,5  | 28,5 | DIN 371 | 150            | 22             | -              | 22             | 18   |           |           |           | 7640ABAAA | 7640D00196 |           |
| MF 30                                                            | x 2    | 28   | DIN 371 | 150            | 22             | -              | 22             | 18   |           |           |           | 7640A3549 | 7640D00197 |           |
|                                                                  |        |      |         |                |                |                |                |      |           |           |           | 7640A3552 |            |           |
|                                                                  |        |      |         |                |                |                |                |      |           |           |           | 7640ABBAA | 7640D00198 |           |
|                                                                  |        |      |         |                |                |                |                |      |           |           |           | 7640A3551 | 7640D00199 |           |
|                                                                  |        |      |         |                |                |                |                |      |           |           |           | 7640A3553 |            |           |
|                                                                  |        |      |         |                |                |                |                |      |           |           |           | 7640ABCAA | 7640D00200 |           |
|                                                                  |        |      |         |                |                |                |                |      |           |           |           | 7640A3555 |            |           |
|                                                                  |        |      |         |                |                |                |                |      |           |           |           | 7640A3556 | 7640D00201 |           |
|                                                                  |        |      |         |                |                |                |                |      |           |           |           | 7640ABDAA |            |           |
|                                                                  |        |      |         |                |                |                |                |      |           |           |           | 7640A3558 |            |           |
|                                                                  |        |      |         |                |                |                |                |      |           |           |           | 7640ABEAA | 7640D00202 |           |
|                                                                  |        |      |         |                |                |                |                |      |           |           |           | 7640A3559 | 7640D00203 |           |

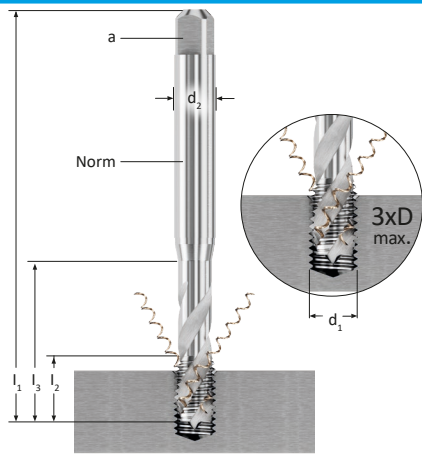
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\* weitere Abmessungen siehe Seite 40 | further dimensions see page 40 | pour plus de dimensions, voir page 40 | per le altre dimensioni andare a pagina 40



| HR                                                                               |                                                                                   |                                                                                   | NORIS SALOREX<br>VR                                                               |            | VA                                                                                |                                                                                     | NW                                                                                  |                    |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------|
|  |  |  |  |            |  |  |  |                    |
| -                                                                                | ALTINHD                                                                           |                                                                                   | TIBLU                                                                             |            | VAP                                                                               | ALTINHD                                                                             | DLC                                                                                 |                    |
| HSSE-PM                                                                          | HSSE-PM                                                                           |                                                                                   | HSSE-PM                                                                           |            | HSSE                                                                              | HSSE                                                                                | HSSE                                                                                |                    |
| C / 2-3                                                                          | C / 2-3                                                                           |                                                                                   | C / 2-3                                                                           | E / 1,5-2  | E / 1,5-2                                                                         | E / 1,5-2                                                                           | C / 2-3                                                                             |                    |
| ISO2                                                                             | ISO2                                                                              | ISO2                                                                              | ISO2X                                                                             | ISO2X      | ISO2                                                                              | ISO2                                                                                | ISO2                                                                                | d <sub>1</sub> x P |
|                                                                                  |                                                                                   |                                                                                   |                                                                                   |            |                                                                                   |                                                                                     |                                                                                     | MF 2,5 x 0,35      |
|                                                                                  |                                                                                   |                                                                                   |                                                                                   |            |                                                                                   |                                                                                     |                                                                                     | MF 2,6 x 0,35      |
|                                                                                  |                                                                                   |                                                                                   |                                                                                   |            |                                                                                   |                                                                                     |                                                                                     | MF 3 x 0,35        |
|                                                                                  |                                                                                   |                                                                                   |                                                                                   |            |                                                                                   |                                                                                     |                                                                                     | MF 3,5 x 0,35      |
|                                                                                  |                                                                                   |                                                                                   |                                                                                   |            |                                                                                   | 6645A4220                                                                           |                                                                                     | MF 4 x 0,5         |
|                                                                                  |                                                                                   |                                                                                   |                                                                                   |            |                                                                                   | 6645F0014                                                                           |                                                                                     | MF 5 x 0,5         |
|                                                                                  |                                                                                   |                                                                                   |                                                                                   |            |                                                                                   | 6645F0015                                                                           |                                                                                     | MF 6 x 0,5         |
|                                                                                  |                                                                                   |                                                                                   | 7655K00192                                                                        | 7655K00232 |                                                                                   | 6645F0016                                                                           |                                                                                     | MF 6 x 0,75        |
|                                                                                  |                                                                                   |                                                                                   |                                                                                   |            |                                                                                   |                                                                                     |                                                                                     | MF 7 x 0,75        |
|                                                                                  |                                                                                   |                                                                                   |                                                                                   |            |                                                                                   | 7645F0016                                                                           |                                                                                     | MF 8 x 0,75        |
| 7643F0201                                                                        | 7643F0177                                                                         | 7853F0012                                                                         | 7655K00193                                                                        | 7655K00233 | 7645AAVAA                                                                         | 7645F0017                                                                           | 7641F0093                                                                           | MF 8 x 1           |
|                                                                                  |                                                                                   |                                                                                   |                                                                                   |            |                                                                                   |                                                                                     |                                                                                     | MF 9 x 1           |
|                                                                                  |                                                                                   |                                                                                   |                                                                                   |            |                                                                                   |                                                                                     |                                                                                     | MF 10 x 0,75       |
| 7643F0202                                                                        | 7643F0178                                                                         | 7853F0013                                                                         | 7655K00194                                                                        | 7655K00234 | 7645ABMAA                                                                         | 7645F0018                                                                           | 7641F0094                                                                           | MF 10 x 1          |
| 7643F0203                                                                        | 7643F0179                                                                         | 7853F0014                                                                         | 7655K00195                                                                        | 7655K00235 |                                                                                   |                                                                                     | 7641F0105                                                                           | MF 10 x 1,25       |
|                                                                                  |                                                                                   |                                                                                   | 7655K00198                                                                        | 7655K00238 | 7645AAMAA                                                                         | 7645F0019                                                                           | 7641F0095                                                                           | MF 11 x 1          |
| 7643F0204                                                                        | 7643F0180                                                                         | 7853F0015                                                                         | 7655K00199                                                                        | 7655K00239 | 7645AASAA                                                                         | 7645F0020                                                                           | 7641F0106                                                                           | MF 12 x 1          |
| 7643F0205                                                                        | 7643F0181                                                                         | 7853F0016                                                                         | 7655K00200                                                                        | 7655K00240 |                                                                                   |                                                                                     | 7641F0107                                                                           | MF 12 x 1,25       |
|                                                                                  |                                                                                   |                                                                                   |                                                                                   |            |                                                                                   |                                                                                     | 7641F0108                                                                           | MF 12 x 1,5        |
| 7643F0206                                                                        | 7643F0182                                                                         | 7853F0017                                                                         | 7655K00202                                                                        | 7655K00242 | 7645AACAA                                                                         | 7645F0021                                                                           | 7641F0109                                                                           | MF 14 x 1          |
| 7643F0207                                                                        | 7643F0183                                                                         | 7853F0018                                                                         | 7655K00205                                                                        | 7655K00245 | 7645AAKAA                                                                         | 7645F0022                                                                           | 7641F0098                                                                           | MF 14 x 1,25       |
|                                                                                  |                                                                                   |                                                                                   | 7655K00206                                                                        | 7655K00246 |                                                                                   | 7645F0023                                                                           |                                                                                     | MF 14 x 1,5        |
|                                                                                  |                                                                                   |                                                                                   |                                                                                   |            |                                                                                   |                                                                                     |                                                                                     | MF 16 x 1          |
|                                                                                  |                                                                                   |                                                                                   |                                                                                   |            |                                                                                   |                                                                                     |                                                                                     | MF 16 x 1,5        |
|                                                                                  |                                                                                   |                                                                                   |                                                                                   |            |                                                                                   |                                                                                     |                                                                                     | MF 18 x 1          |
|                                                                                  |                                                                                   |                                                                                   | 7655K00209                                                                        | 7655K00249 | 7645AAHAA                                                                         | 7645F0024                                                                           |                                                                                     | MF 18 x 1,5        |
|                                                                                  |                                                                                   |                                                                                   |                                                                                   |            |                                                                                   |                                                                                     |                                                                                     | MF 20 x 1          |
|                                                                                  |                                                                                   |                                                                                   |                                                                                   |            |                                                                                   |                                                                                     |                                                                                     | MF 20 x 2          |
|                                                                                  |                                                                                   |                                                                                   | 7655K00210                                                                        | 7655K00250 |                                                                                   | 7645B0614                                                                           |                                                                                     | MF 22 x 1          |
|                                                                                  |                                                                                   |                                                                                   |                                                                                   |            |                                                                                   |                                                                                     |                                                                                     | MF 22 x 1,5        |
|                                                                                  |                                                                                   |                                                                                   |                                                                                   |            |                                                                                   |                                                                                     |                                                                                     | MF 22 x 2          |
|                                                                                  |                                                                                   |                                                                                   | 7655K00213                                                                        | 7655K00253 |                                                                                   | 7645B0615                                                                           |                                                                                     | MF 24 x 1          |
|                                                                                  |                                                                                   |                                                                                   |                                                                                   |            |                                                                                   |                                                                                     |                                                                                     | MF 24 x 1,5        |
|                                                                                  |                                                                                   |                                                                                   |                                                                                   |            |                                                                                   |                                                                                     |                                                                                     | MF 24 x 2          |
|                                                                                  |                                                                                   |                                                                                   |                                                                                   |            | 7645AA0AA                                                                         |                                                                                     |                                                                                     | MF 25 x 1,5        |
|                                                                                  |                                                                                   |                                                                                   |                                                                                   |            |                                                                                   |                                                                                     |                                                                                     | MF 26 x 1,5        |
|                                                                                  |                                                                                   |                                                                                   |                                                                                   |            |                                                                                   |                                                                                     |                                                                                     | MF 27 x 1,5        |
|                                                                                  |                                                                                   |                                                                                   |                                                                                   |            | 7645AA1AA                                                                         |                                                                                     |                                                                                     | MF 27 x 2          |
|                                                                                  |                                                                                   |                                                                                   |                                                                                   |            |                                                                                   |                                                                                     |                                                                                     | MF 28 x 1,5        |
|                                                                                  |                                                                                   |                                                                                   |                                                                                   |            |                                                                                   |                                                                                     |                                                                                     | MF 28 x 2          |
|                                                                                  |                                                                                   |                                                                                   |                                                                                   |            | 7645AAQAA                                                                         |                                                                                     |                                                                                     | MF 30 x 1,5        |
|                                                                                  |                                                                                   |                                                                                   |                                                                                   |            |                                                                                   |                                                                                     |                                                                                     | MF 30 x 2          |



| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |   |     |                                                                                   |         |                |                |                |                |    | -         | TIN        |
|------------------------------------------------------------------|---|-----|-----------------------------------------------------------------------------------|---------|----------------|----------------|----------------|----------------|----|-----------|------------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |   |     |                                                                                   |         |                |                |                |                |    | HSSE      | HSSE       |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |   |     |                                                                                   |         |                |                |                |                |    | C / 2-3   | C / 2-3    |
| d <sub>1</sub>                                                   | x | P   |  | NORM    | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a  | ISO2      | ISO2       |
| MF 32                                                            | x | 1,5 | 30,5                                                                              | DIN 374 | 150            | 22             | -              | 22             | 18 | 7640A3561 |            |
| MF 33                                                            | x | 1,5 | 31,5                                                                              | DIN 374 | 160            | 24             | -              | 25             | 20 | 7640A3563 |            |
| MF 33                                                            | x | 2   | 31                                                                                | DIN 374 | 160            | 24             | -              | 25             | 20 | 7640A3562 | 7640D00204 |
| MF 34                                                            | x | 1,5 | 32,5                                                                              | DIN 374 | 170            | 24             | -              | 28             | 22 | 7640A3564 |            |
| MF 35                                                            | x | 1,5 | 33,5                                                                              | DIN 374 | 170            | 24             | -              | 28             | 22 | 7640A3565 |            |
| MF 36                                                            | x | 1,5 | 34,5                                                                              | DIN 374 | 170            | 24             | -              | 28             | 22 | 7640A3566 | 7640D00205 |
| MF 36                                                            | x | 2   | 34                                                                                | DIN 374 | 170            | 24             | -              | 28             | 22 | 7640A3567 | 7640D00206 |
| MF 36                                                            | x | 3   | 33                                                                                | DIN 374 | 200            | 30             | -              | 28             | 22 | 7640A3568 | 7640D00207 |
| MF 38                                                            | x | 1,5 | 36,5                                                                              | DIN 374 | 170            | 24             | -              | 28             | 22 | 7640A3569 |            |
| MF 40                                                            | x | 1,5 | 38,5                                                                              | DIN 374 | 170            | 25             | -              | 32             | 24 | 7640A3570 | 7640D00208 |
| MF 42                                                            | x | 1,5 | 40,5                                                                              | DIN 374 | 170            | 25             | -              | 32             | 24 | 7640A3572 | 7640D00209 |
| MF 42                                                            | x | 2   | 40                                                                                | DIN 374 | 170            | 25             | -              | 32             | 24 | 7640A3573 | 7640D00210 |
| MF 42                                                            | x | 3   | 39                                                                                | DIN 374 | 200            | 30             | -              | 32             | 24 | 7640A3571 | 7640D00211 |
| MF 45                                                            | x | 1,5 | 43,5                                                                              | DIN 374 | 180            | 27             | -              | 36             | 29 | 7640A3574 | 7640D00212 |
| MF 48                                                            | x | 1,5 | 46,5                                                                              | DIN 374 | 190            | 27             | -              | 36             | 29 | 7640A3575 | 7640D00213 |
| MF 48                                                            | x | 2   | 46                                                                                | DIN 374 | 190            | 27             | -              | 36             | 29 | 7640A3576 | 7640D00214 |
| MF 48                                                            | x | 3   | 45                                                                                | DIN 374 | 225            | 33             | -              | 36             | 29 | 7640A3577 | 7640D00215 |
| MF 50                                                            | x | 1,5 | 48,5                                                                              | DIN 374 | 190            | 27             | -              | 36             | 29 | 7640A3578 |            |
| MF 52                                                            | x | 1,5 | 50,5                                                                              | DIN 374 | 190            | 27             | -              | 40             | 32 | 7640A3579 |            |
| MF 52                                                            | x | 2   | 50                                                                                | DIN 374 | 190            | 27             | -              | 40             | 32 | 7640A3580 |            |





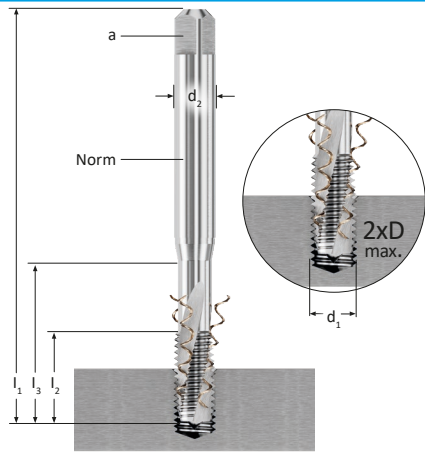
# SOLUTIONS@NORIS-REIME.DE

Das REIME Team steht Ihnen bei der Lösung Ihrer Zerspanungsaufgabe gerne zur Seite

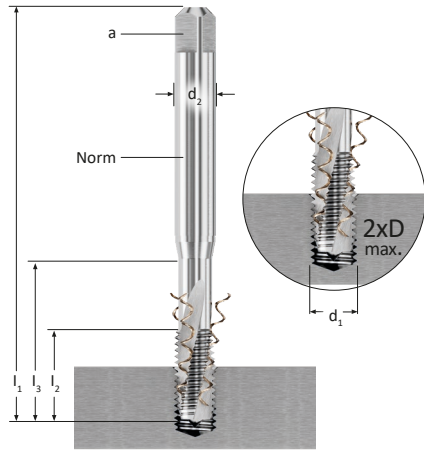
The REIME team will be happy to solve your threading tasks

L'équipe de REIME se tient à votre disposition pour résoudre vos problèmes de filetage

Il team REIME sarà lieto di risolvere i vostri problemi di filettatura



| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |        |                                                                                   |         |                |                |                |                |      |           | -         |           | TIN        |            | ALTINHD |  |
|------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------|---------|----------------|----------------|----------------|----------------|------|-----------|-----------|-----------|------------|------------|---------|--|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |        |                                                                                   |         |                |                |                |                |      |           | HSSE      |           | HSSE       |            | HSSE-PM |  |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |        |                                                                                   |         |                |                |                |                |      |           | C / 2-3   |           | C / 2-3    |            | C / 2-3 |  |
| d <sub>1</sub>                                                   | P      |  | NORM    | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a    | ISO2      | ISO2X     | ISO2X     | ISO2       | ISO2       |         |  |
| MF 6                                                             | x 0,75 | 5,2                                                                               | DIN 374 | 80             | 13             | -              | 4,5            | 3,4  | 7600AC4AA |           |           |            |            |         |  |
| MF 8                                                             | x 0,75 | 7,2                                                                               | DIN 374 | 80             | 14             | -              | 6              | 4,9  | 7600AC7AA |           |           |            |            |         |  |
| MF 8                                                             | x 1    | 7                                                                                 | DIN 374 | 90             | 17             | -              | 6              | 4,9  | 7600AC8AA | 760CB0547 | 784CB0696 | 7603D00381 | 7843K00259 |         |  |
| MF 9                                                             | x 1    | 8                                                                                 | DIN 374 | 90             | 17             | -              | 7              | 5,5  | 7600AC9AA |           |           |            |            |         |  |
| MF 10                                                            | x 0,75 | 9,2                                                                               | DIN 374 | 90             | 18             | -              | 7              | 5,5  | 7600ADAAA |           |           |            |            |         |  |
| MF 10                                                            | x 1    | 9                                                                                 | DIN 374 | 90             | 18             | -              | 7              | 5,5  | 7600ADBAA | 760CB0548 | 784CB0697 | 7603D00382 | 7843K00260 |         |  |
| MF 10                                                            | x 1,25 | 8,8                                                                               | DIN 374 | 100            | 22             | -              | 7              | 5,5  | 7600ADCAA | 760CB0549 | 784CB0698 | 7603D00383 | 7843K00261 |         |  |
| MF 11                                                            | x 1    | 10                                                                                | DIN 374 | 90             | 18             | -              | 8              | 6,2  | 7600ADDAA |           |           |            |            |         |  |
| MF 12                                                            | x 1    | 11                                                                                | DIN 374 | 100            | 18             | -              | 9              | 7    | 7600ADEAA |           |           |            |            |         |  |
| MF 12                                                            | x 1,25 | 10,8                                                                              | DIN 374 | 100            | 22             | -              | 9              | 7    | 7600ADFAA |           |           | 7603D00384 | 7843K00263 |         |  |
| MF 12                                                            | x 1,5  | 10,5                                                                              | DIN 374 | 100            | 22             | -              | 9              | 7    | 7600ADGAA | 760CB0550 | 784CB0699 | 7603D00385 | 7843K00264 |         |  |
| MF 14                                                            | x 1    | 13                                                                                | DIN 374 | 100            | 18             | -              | 11             | 9    | 7600ADIAA |           |           |            |            |         |  |
| MF 14                                                            | x 1,5  | 12,5                                                                              | DIN 374 | 100            | 22             | -              | 11             | 9    | 7600ADKAA |           |           | 7603D00386 | 7843K00266 |         |  |
| MF 15                                                            | x 1    | 14                                                                                | DIN 374 | 100            | 18             | -              | 12             | 9    | 7600ADLAA |           |           |            |            |         |  |
| MF 16                                                            | x 1    | 15                                                                                | DIN 374 | 100            | 18             | -              | 12             | 9    | 7600ADNAA |           |           |            |            |         |  |
| MF 16                                                            | x 1,5  | 14,5                                                                              | DIN 374 | 100            | 22             | -              | 12             | 9    | 7600ADPAA |           |           | 7603D00387 | 7843K00268 |         |  |
| MF 18                                                            | x 1    | 17                                                                                | DIN 374 | 110            | 20             | -              | 14             | 11   | 7600ADQAA |           |           |            |            |         |  |
| MF 18                                                            | x 1,5  | 16,5                                                                              | DIN 374 | 110            | 25             | -              | 14             | 11   | 7600ADRAA |           |           |            |            |         |  |
| MF 18                                                            | x 2    | 16                                                                                | DIN 374 | 125            | 26             | -              | 14             | 11   | 7600ADSAA |           |           |            |            |         |  |
| MF 20                                                            | x 1    | 19                                                                                | DIN 374 | 125            | 20             | -              | 16             | 12   | 7600ADTAA |           |           |            |            |         |  |
| MF 20                                                            | x 1,5  | 18,5                                                                              | DIN 374 | 125            | 25             | -              | 16             | 12   | 7600ADUAA |           |           |            |            |         |  |
| MF 20                                                            | x 2    | 18                                                                                | DIN 374 | 140            | 27             | -              | 16             | 12   | 7600ADVAA |           |           |            |            |         |  |
| MF 22                                                            | x 1    | 21                                                                                | DIN 374 | 125            | 20             | -              | 18             | 14,5 | 7600ADWAA |           |           |            |            |         |  |
| MF 22                                                            | x 1,5  | 20,5                                                                              | DIN 374 | 125            | 25             | -              | 18             | 14,5 | 7600ADXAA |           |           |            |            |         |  |
| MF 22                                                            | x 2    | 20                                                                                | DIN 374 | 140            | 27             | -              | 18             | 14,5 | 7600ADYAA |           |           |            |            |         |  |
| MF 24                                                            | x 1    | 23                                                                                | DIN 374 | 140            | 20             | -              | 18             | 14,5 | 7600ADZAA |           |           |            |            |         |  |
| MF 24                                                            | x 1,5  | 22,5                                                                              | DIN 374 | 140            | 27             | -              | 18             | 14,5 | 7600AD0AA |           |           |            |            |         |  |
| MF 24                                                            | x 2    | 22                                                                                | DIN 374 | 140            | 27             | -              | 18             | 14,5 | 7600AD1AA |           |           |            |            |         |  |
| MF 25                                                            | x 1,5  | 23,5                                                                              | DIN 374 | 140            | 28             | -              | 18             | 14,5 | 7600AD3AA |           |           |            |            |         |  |
| MF 26                                                            | x 1,5  | 24,5                                                                              | DIN 374 | 140            | 28             | -              | 18             | 14,5 | 7600AD4AA |           |           |            |            |         |  |
| MF 27                                                            | x 1,5  | 25,5                                                                              | DIN 374 | 140            | 28             | -              | 20             | 16   | 7600AD5AA |           |           |            |            |         |  |
| MF 27                                                            | x 2    | 25                                                                                | DIN 374 | 140            | 28             | -              | 20             | 16   | 7600AD6AA |           |           |            |            |         |  |



OBERFLÄCHE / SURFACE  
SURFACE / SUPERFICIE

SCHNEIDSTOFF / MATERIAL  
MATIÈRE / MATERIALE

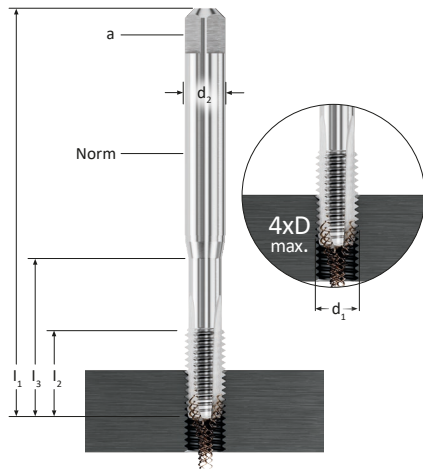
ANSCHNITTFORM / CHAMFER FORM  
FORME D'ENTRÉE / FORMA D'IMBOCCO

-

HSSE

C / 2-3

| $d_1$       | P    |         | NORM | $l_1$ | $l_2$ | $l_3$ | $d_2$ | a | ISO2      |
|-------------|------|---------|------|-------|-------|-------|-------|---|-----------|
| MF 28 x 1,5 | 26,5 | DIN 374 | 140  | 28    | -     | 20    | 16    |   | 7600AD7AA |
| MF 28 x 2   | 26   | DIN 374 | 140  | 28    | -     | 20    | 16    |   | 7600AD8AA |
| MF 30 x 1,5 | 28,5 | DIN 374 | 150  | 28    | -     | 22    | 18    |   | 7600AEAAA |
| MF 30 x 2   | 28   | DIN 374 | 150  | 28    | -     | 22    | 18    |   | 7600AEBAA |
| MF 32 x 1,5 | 30,5 | DIN 374 | 150  | 28    | -     | 22    | 18    |   | 7600AECBA |
| MF 33 x 1,5 | 31,5 | DIN 374 | 160  | 30    | -     | 25    | 20    |   | 7600AEDAA |
| MF 33 x 2   | 31   | DIN 374 | 160  | 30    | -     | 25    | 20    |   | 7600AEEAA |
| MF 34 x 1,5 | 32,5 | DIN 374 | 170  | 30    | -     | 28    | 22    |   | 7600AEFAA |
| MF 35 x 1,5 | 33,5 | DIN 374 | 170  | 30    | -     | 28    | 22    |   | 7600AEGAA |
| MF 36 x 1,5 | 34,5 | DIN 374 | 170  | 30    | -     | 28    | 22    |   | 7600AEHAA |
| MF 36 x 2   | 34   | DIN 374 | 170  | 30    | -     | 28    | 22    |   | 7600AEIAA |
| MF 36 x 3   | 33   | DIN 374 | 200  | 42    | -     | 28    | 22    |   | 7600AEJAA |
| MF 38 x 1,5 | 36,5 | DIN 374 | 170  | 30    | -     | 28    | 22    |   | 7600AEKAA |
| MF 39 x 2   | 37   | DIN 374 | 170  | 30    | -     | 32    | 24    |   | 7600AELAA |
| MF 40 x 1,5 | 38,5 | DIN 374 | 170  | 30    | -     | 32    | 24    |   | 7600AENAA |
| MF 40 x 2   | 38   | DIN 374 | 170  | 30    | -     | 32    | 24    |   | 7600AEPAA |
| MF 42 x 1,5 | 40,5 | DIN 374 | 170  | 30    | -     | 32    | 24    |   | 7600AERAA |
| MF 42 x 2   | 40   | DIN 374 | 170  | 30    | -     | 32    | 24    |   | 7600AESAA |
| MF 42 x 3   | 39   | DIN 374 | 200  | 45    | -     | 32    | 24    |   | 7600AETAA |
| MF 45 x 1,5 | 43,5 | DIN 374 | 180  | 32    | -     | 36    | 29    |   | 7600AEVAA |
| MF 45 x 2   | 43   | DIN 374 | 180  | 32    | -     | 36    | 29    |   | 7600AEWAA |
| MF 45 x 3   | 42   | DIN 374 | 200  | 45    | -     | 36    | 29    |   | 7600AEXAA |
| MF 48 x 1,5 | 46,5 | DIN 374 | 190  | 32    | -     | 36    | 29    |   | 7600AEYAA |
| MF 48 x 2   | 46   | DIN 374 | 190  | 32    | -     | 36    | 29    |   | 7600AEZAA |
| MF 48 x 3   | 45   | DIN 374 | 225  | 50    | -     | 36    | 29    |   | 7600AE0AA |
| MF 50 x 1,5 | 48,5 | DIN 374 | 190  | 32    | -     | 36    | 29    |   | 7600AE1AA |
| MF 50 x 2   | 48   | DIN 374 | 190  | 32    | -     | 36    | 29    |   | 7600AE2AA |
| MF 52 x 1,5 | 50,5 | DIN 374 | 190  | 32    | -     | 40    | 32    |   | 7600AE4AA |
| MF 52 x 2   | 50   | DIN 374 | 190  | 32    | -     | 40    | 32    |   | 7600AE5AA |
| MF 52 x 3   | 49   | DIN 374 | 225  | 50    | -     | 40    | 32    |   | 7600AE6AA |



CNC

| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |        |      |         |                |                |                |                |      |           | NITVAP    |      | TIN        |           | ALTINHD    |
|------------------------------------------------------------------|--------|------|---------|----------------|----------------|----------------|----------------|------|-----------|-----------|------|------------|-----------|------------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |        |      |         |                |                |                |                |      |           | HSSE      |      | HSSE       |           | HSSE-PM    |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |        |      |         |                |                |                |                |      |           | B / 4-5   |      | B / 4-5    |           | B / 4-5    |
| d <sub>1</sub>                                                   | x      | P    | NORM    | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a    |           | ISO2      | ISO3 | ISO2       | ISO3      | ISO2X      |
| MF 3,5                                                           | x 0,35 | 3,15 | DIN 371 | 56             | 9              | 20             | 4              | 3    |           |           |      |            |           |            |
| MF 4                                                             | x 0,35 | 3,65 | DIN 374 | 63             | 10             | -              | 2,8            | 2,1  |           |           |      |            |           |            |
| MF 4                                                             | x 0,5  | 3,5  | DIN 371 | 63             | 10             | 21             | 4,5            | 3,4  | 6560A5568 |           |      | 6560A2236  |           | 6410K00416 |
|                                                                  |        |      | DIN 374 | 63             | 10             | -              | 2,8            | 2,1  |           |           |      |            |           |            |
| MF 5                                                             | x 0,5  | 4,5  | DIN 371 | 70             | 11             | 25             | 6              | 4,9  | 6560A5570 |           |      | 6560A2237  |           | 6410K00417 |
|                                                                  |        |      | DIN 374 | 70             | 11             | -              | 3,5            | 2,7  |           |           |      |            |           |            |
| MF 6                                                             | x 0,5  | 5,5  | DIN 371 | 80             | 13             | 30             | 6              | 4,9  | 6560A5572 |           |      | 6560A2238  |           |            |
|                                                                  |        |      | DIN 374 | 80             | 13             | -              | 4,5            | 3,4  | 7560AFLAA |           |      |            |           |            |
| MF 6                                                             | x 0,75 | 5,2  | DIN 371 | 80             | 13             | 30             | 6              | 4,9  | 6560A5571 |           |      | 6560A2239  |           |            |
|                                                                  |        |      | DIN 374 | 80             | 13             | -              | 4,5            | 3,4  | 7560AFMAA |           |      | 7560B0499  |           |            |
| MF 7                                                             | x 0,75 | 6,2  | DIN 371 | 80             | 13             | 30             | 7              | 5,5  |           |           |      |            |           |            |
| MF 8                                                             | x 0,75 | 7,2  | DIN 371 | 80             | 14             | 30             | 8              | 6,2  |           |           |      |            |           |            |
|                                                                  |        |      | DIN 374 | 80             | 14             | -              | 6              | 4,9  | 7560AFNAA |           |      | 7560B0500  |           |            |
| MF 8                                                             | x 1    | 7    | DIN 371 | 90             | 17             | 35             | 8              | 6,2  | 6560A5574 |           |      | 6560A2240  |           |            |
|                                                                  |        |      | DIN 374 | 90             | 17             | -              | 6              | 4,9  | 7560ABMAB | 7560A2494 |      | 7560ABMAC  | 7560B0509 | 7410K00418 |
| MF 9                                                             | x 1    | 8    | DIN 371 | 90             | 17             | 35             | 9              | 7    |           |           |      |            |           |            |
|                                                                  |        |      | DIN 374 | 90             | 15             | 35             | 10             | 8    |           |           |      |            |           |            |
| MF 10                                                            | x 0,75 | 9,2  | DIN 374 | 90             | 18             | -              | 7              | 5,5  | 7560AFPAA |           |      | 7560B0501  |           |            |
|                                                                  |        |      | DIN 371 | 90             | 18             | 35             | 10             | 8    | 6560A5577 |           |      | 6560A2241  |           |            |
| MF 10                                                            | x 1    | 9    | DIN 374 | 90             | 18             | -              | 7              | 5,5  | 7560ABNAC | 7560A2496 |      | 7560ABNAD  | 7560B0510 | 7410K00419 |
|                                                                  |        |      | DIN 371 | 100            | 18             | 39             | 10             | 8    |           |           |      |            |           |            |
|                                                                  |        |      | DIN 374 | 100            | 22             | -              | 7              | 5,5  | 7560AFQAA |           |      | 7560B0502  |           | 7410K00420 |
| MF 12                                                            | x 1    | 11   | DIN 374 | 100            | 18             | -              | 9              | 7    | 7560ABDAB | 7560A2497 |      | 7560A2242  | 7560B0511 | 7410K00421 |
| MF 12                                                            | x 1,25 | 10,8 | DIN 374 | 100            | 22             | -              | 9              | 7    | 7560ACLAB |           |      | 7560B0503  |           | 7410K00422 |
| MF 12                                                            | x 1,5  | 10,5 | DIN 374 | 100            | 22             | -              | 9              | 7    | 7560ACNAB | 7560A2498 |      | 7560ACNAC  | 7560B0512 | 7410K00423 |
| MF 14                                                            | x 1    | 13   | DIN 374 | 100            | 18             | -              | 11             | 9    | 7560AARAB |           |      |            |           |            |
| MF 14                                                            | x 1,25 | 12,8 | DIN 374 | 100            | 22             | -              | 11             | 9    |           |           |      |            |           |            |
| MF 14                                                            | x 1,5  | 12,5 | DIN 374 | 100            | 22             | -              | 11             | 9    | 7560ABHAC | 7560A2499 |      | 7560ABHAD  | 7560B0513 | 7410K00424 |
| MF 15                                                            | x 1    | 14   | DIN 374 | 100            | 18             | -              | 12             | 9    |           |           |      |            |           |            |
| MF 16                                                            | x 1    | 15   | DIN 374 | 100            | 18             | -              | 12             | 9    |           |           |      |            |           |            |
| MF 16                                                            | x 1,5  | 14,5 | DIN 374 | 100            | 22             | -              | 12             | 9    | 7560AFUAA | 7560A2500 |      | 7560AFUAB  | 7560B0514 | 7410K00425 |
| MF 18                                                            | x 1    | 17   | DIN 374 | 110            | 20             | -              | 14             | 11   | 7560AFVAA |           |      |            |           |            |
| MF 18                                                            | x 1,5  | 16,5 | DIN 374 | 110            | 25             | -              | 14             | 11   | 7560AA9AA | 7560A2501 |      | 7560B0504  | 7560B0515 | 7410K00426 |
| MF 18                                                            | x 2    | 16   | DIN 374 | 125            | 26             | -              | 14             | 11   | 7560AC0AB |           |      |            |           |            |
| MF 20                                                            | x 1    | 19   | DIN 374 | 125            | 20             | -              | 16             | 12   | 7560AFWAA |           |      |            |           |            |
| MF 20                                                            | x 1,5  | 18,5 | DIN 374 | 125            | 25             | -              | 16             | 12   | 7560ABAAA | 7560A2502 |      | 7560ABAAAB | 7560B0516 | 7410K00427 |
| MF 20                                                            | x 2    | 18   | DIN 374 | 140            | 27             | -              | 16             | 12   |           |           |      |            |           |            |
| MF 22                                                            | x 1    | 21   | DIN 374 | 125            | 20             | -              | 18             | 14,5 |           |           |      |            |           |            |
| MF 22                                                            | x 1,5  | 20,5 | DIN 374 | 125            | 25             | -              | 18             | 14,5 | 7560ABBAA |           |      | 7560A2247  |           |            |
| MF 22                                                            | x 2    | 20   | DIN 374 | 140            | 27             | -              | 18             | 14,5 |           |           |      |            |           |            |
| MF 24                                                            | x 1    | 23   | DIN 374 | 140            | 20             | -              | 18             | 14,5 |           |           |      |            |           |            |
| MF 24                                                            | x 1,5  | 22,5 | DIN 374 | 140            | 27             | -              | 18             | 14,5 | 7560ABCAA |           |      | 7560B0505  |           |            |
| MF 24                                                            | x 2    | 22   | DIN 374 | 140            | 27             | -              | 18             | 14,5 | 7560ADZAA |           |      |            |           |            |
| MF 25                                                            | x 1,5  | 23,5 | DIN 374 | 140            | 28             | -              | 18             | 14,5 | 7560AF1AA |           |      |            |           |            |
| MF 26                                                            | x 1,5  | 24,5 | DIN 374 | 140            | 28             | -              | 18             | 14,5 | 7560AF2AA |           |      |            |           |            |
| MF 27                                                            | x 1,5  | 25,5 | DIN 374 | 140            | 28             | -              | 20             | 16   |           |           |      |            |           |            |
| MF 27                                                            | x 2    | 25   | DIN 374 | 140            | 28             | -              | 20             | 16   | 7560AF4AA |           |      |            |           |            |
| MF 28                                                            | x 1,5  | 26,5 | DIN 374 | 140            | 28             | -              | 20             | 16   | 7560AF5AA |           |      |            |           |            |
| MF 28                                                            | x 2    | 26   | DIN 374 | 140            | 28             | -              | 20             | 16   |           |           |      |            |           |            |
| MF 30                                                            | x 1,5  | 28,5 | DIN 374 | 150            | 28             | -              | 22             | 18   | 7560ACPAA |           |      |            |           |            |

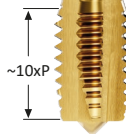
# NORIS STABIL

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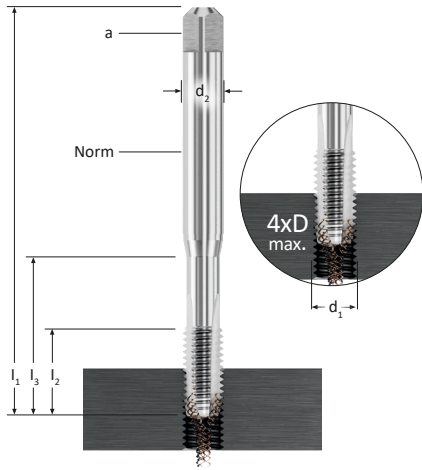


| -         |           |           |           | TIN        | TIN       | ALTINHD    | NIT       | DLC       |                    |
|-----------|-----------|-----------|-----------|------------|-----------|------------|-----------|-----------|--------------------|
| HSSE      |           |           |           | HSSE       | HSSE-PM   | HSSE-PM    | HSSE      | HSSE      |                    |
| B / 4-5   |           |           |           | B / 4-5    |           | B / 4-5    | B / 4-5   | B / 4-5   |                    |
| ISO1      | ISO2      | ISO2 - LH | ISO3      | ISO2       | ISO2X     | ISO2X      | ISO2      | ISO2      | d <sub>1</sub> x P |
|           | 6080A1824 |           |           |            |           |            |           |           | MF 3,5 x 0,35      |
|           | 7080B0489 |           |           | 7080D00055 |           |            |           |           | MF 4 x 0,35        |
|           | 6080A1827 |           |           |            |           |            |           |           | MF 4 x 0,5         |
|           | 7080B0490 |           |           | 7080D00056 |           |            |           |           | MF 4 x 0,5         |
|           | 6080A1828 |           |           |            |           |            |           |           | MF 5 x 0,5         |
|           | 7080ABVAA |           |           | 7080D00057 |           |            |           |           | MF 5 x 0,5         |
|           | 6080A1832 |           |           |            |           |            |           |           | MF 6 x 0,5         |
|           | 7080ABWAA |           |           | 7080D00058 |           |            |           |           | MF 6 x 0,5         |
|           | 6080A1833 |           |           |            |           |            | 7535AAPAA |           | MF 6 x 0,75        |
|           | 7080ABXAA |           |           | 7080D00059 |           |            |           |           | MF 6 x 0,75        |
|           | 6080B0040 |           |           |            |           |            |           |           | MF 7 x 0,75        |
|           | 6080A1837 |           |           |            |           |            | 7535AAQAA |           | MF 8 x 0,75        |
|           | 7080AB0AA |           |           | 7080D00060 |           |            |           |           | MF 8 x 0,75        |
|           | 6080A1838 |           |           |            |           |            |           |           | MF 8 x 1           |
| 7080A2071 | 7080AB1AA | 7080A2180 | 7080A2129 | 7080D00061 | 7160A5312 | 7533D00363 | 7535B0520 | 7571F0042 | MF 8 x 1           |
|           | 6080B0041 |           |           |            |           |            |           |           | MF 9 x 1           |
|           | 6080A1844 |           |           |            |           |            |           |           | MF 10 x 0,75       |
|           | 7080AB3AA |           |           | 7080D00062 |           |            | 7535B0521 |           | MF 10 x 0,75       |
|           | 6080A1847 |           |           |            |           |            |           |           | MF 10 x 1          |
| 7080A2073 | 7080AB4AA | 7080A2182 | 7080A2131 | 7080D00063 | 7160A5316 | 7533D00364 | 7535AARAA | 7571F0043 | MF 10 x 1          |
|           | 6080A1845 |           |           |            |           |            |           |           | MF 10 x 1,25       |
|           | 7080AB5AA |           |           | 7080D00064 | 7160A5315 | 7533D00365 |           | 7571F0044 | MF 10 x 1,25       |
| 7080A2074 | 7080AB7AA | 7080A2183 | 7080A2132 | 7080D00065 |           |            | 7535B0522 | 7571F0045 | MF 12 x 1          |
|           | 7080AB8AA |           |           | 7080D00066 |           | 7533D00366 |           | 7571F0046 | MF 12 x 1,25       |
| 7080A2075 | 7080AB9AA | 7080A2184 | 7080A2133 | 7080D00067 | 7160AAAAA | 7533D00367 | 7535AATAA | 7571F0047 | MF 12 x 1,5        |
|           | 7080ACAAA |           |           | 7080D00068 |           |            |           | 7571F0048 | MF 14 x 1          |
|           | 7080ACBAA |           |           | 7080D00069 |           |            |           | 7571F0049 | MF 14 x 1,25       |
| 7080A2076 | 7080ACCAA | 7080A2186 | 7080A2134 | 7080D00070 | 7160AABAA | 7533D00368 | 7535AAUAA | 7571F0050 | MF 14 x 1,5        |
|           | 7080ACDAA |           |           |            |           |            |           |           | MF 15 x 1          |
|           | 7080ACFAA |           |           | 7080D00071 |           |            |           | 7571F0051 | MF 16 x 1          |
| 7080A2077 | 7080ACGAA | 7080A2187 | 7080A2135 | 7080D00072 | 7160A5319 | 7533D00369 | 7535AAVAA | 7571F0052 | MF 16 x 1,5        |
|           | 7080ACHAA |           |           |            |           |            |           |           | MF 18 x 1          |
| 7080A2078 | 7080ACIAA | 7080A2188 | 7080A2136 |            | 7160A5320 |            | 7535AAWAA |           | MF 18 x 1,5        |
|           | 7080ACJAA |           |           |            |           |            |           |           | MF 18 x 2          |
|           | 7080ACKAA |           |           | 7080D00073 |           |            |           |           | MF 20 x 1          |
| 7080A2079 | 7080ACLAA | 7080A2189 | 7080A2137 | 7080D00074 | 7160A5321 |            | 7535AAXAA |           | MF 20 x 1,5        |
|           | 7080ACMAA |           |           | 7080D00075 |           |            |           |           | MF 20 x 2          |
|           | 7080ACNAA |           |           |            |           |            |           |           | MF 22 x 1          |
|           | 7080ACPA  |           |           | 7080D00076 |           |            | 7535AAYAA |           | MF 22 x 1,5        |
|           | 7080ACQAA |           |           | 7080D00077 |           |            |           |           | MF 22 x 2          |
|           | 7080ACRAA |           |           |            |           |            |           |           | MF 24 x 1          |
|           | 7080ACSA  |           |           | 7080D00078 |           |            | 7535AAZAA |           | MF 24 x 1,5        |
|           | 7080ACTAA |           |           | 7080D00079 |           |            |           |           | MF 24 x 2          |
|           | 7080ACUAA |           |           |            |           |            |           |           | MF 25 x 1,5        |
|           | 7080ACVAA |           |           | 7080D00080 |           |            | 7535AA0AA |           | MF 26 x 1,5        |
|           | 7080ACWAA |           |           |            |           |            |           |           | MF 27 x 1,5        |
|           | 7080ACXAA |           |           | 7080D00081 |           |            |           |           | MF 27 x 2          |
|           | 7080ACYAA |           |           |            |           |            | 7535AA1AA |           | MF 28 x 1,5        |
|           | 7080A1876 |           |           |            |           |            |           |           | MF 28 x 2          |
|           | 7080AC0AA |           |           | 7080D00082 |           |            | 7535AA2AA |           | MF 30 x 1,5        |

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\* weitere Abmessungen siehe Seite 46 | further dimensions see page 46 | pour plus de dimensions, voir page 46 | per le altre dimensioni andare a pagina 46



| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |   |     |      |         |                |                |                |                |    |  | -         | TIN        |
|------------------------------------------------------------------|---|-----|------|---------|----------------|----------------|----------------|----------------|----|--|-----------|------------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |   |     |      |         |                |                |                |                |    |  | HSSE      | HSSE       |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |   |     |      |         |                |                |                |                |    |  | B / 4-5   | B / 4-5    |
| d <sub>1</sub>                                                   | x | P   |      | NORM    | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a  |  | ISO2      | ISO2       |
| MF 30                                                            | x | 2   | 28   | DIN 374 | 150            | 28             | -              | 22             | 18 |  | 7080AC1AA | 7080D00083 |
| MF 32                                                            | x | 1,5 | 30,5 | DIN 374 | 150            | 28             | -              | 22             | 18 |  | 7080AC2AA |            |
| MF 32                                                            | x | 2   | 30   | DIN 374 | 150            | 28             | -              | 22             | 18 |  | 7080A1879 |            |
| MF 33                                                            | x | 1,5 | 31,5 | DIN 374 | 160            | 30             | -              | 25             | 20 |  | 7080AC3AA |            |
| MF 33                                                            | x | 2   | 31   | DIN 374 | 160            | 30             | -              | 25             | 20 |  | 7080AC4AA | 7080D00084 |
| MF 34                                                            | x | 1,5 | 32,5 | DIN 374 | 170            | 30             | -              | 28             | 22 |  | 7080AC5AA |            |
| MF 35                                                            | x | 1,5 | 33,5 | DIN 374 | 170            | 30             | -              | 28             | 22 |  | 7080AC6AA |            |
| MF 36                                                            | x | 1,5 | 34,5 | DIN 374 | 170            | 30             | -              | 28             | 22 |  | 7080AC7AA | 7080D00085 |
| MF 36                                                            | x | 2   | 34   | DIN 374 | 170            | 30             | -              | 28             | 22 |  | 7080AC8AA | 7080D00086 |
| MF 36                                                            | x | 3   | 33   | DIN 374 | 200            | 42             | -              | 28             | 22 |  | 7080AC9AA | 7080D00087 |
| MF 38                                                            | x | 1,5 | 36,5 | DIN 374 | 170            | 30             | -              | 28             | 22 |  | 7080ADAAA |            |
| MF 39                                                            | x | 1,5 | 37,5 | DIN 374 | 170            | 30             | -              | 32             | 24 |  | 7080A1889 |            |
| MF 39                                                            | x | 2   | 37   | DIN 374 | 170            | 30             | -              | 32             | 24 |  | 7080ADBAA |            |
| MF 40                                                            | x | 1,5 | 38,5 | DIN 374 | 170            | 30             | -              | 32             | 24 |  | 7080ADDAA | 7080D00088 |
| MF 40                                                            | x | 2   | 38   | DIN 374 | 170            | 30             | -              | 32             | 24 |  | 7080ADEAA | 7080D00089 |
| MF 42                                                            | x | 1,5 | 40,5 | DIN 374 | 170            | 30             | -              | 32             | 24 |  | 7080ADGAA | 7080D00090 |
| MF 42                                                            | x | 2   | 40   | DIN 374 | 170            | 30             | -              | 32             | 24 |  | 7080ADHAA | 7080D00091 |
| MF 42                                                            | x | 3   | 39   | DIN 374 | 200            | 45             | -              | 32             | 24 |  | 7080ADIAA | 7080D00092 |
| MF 45                                                            | x | 1,5 | 43,5 | DIN 374 | 180            | 32             | -              | 36             | 29 |  | 7080ADJAA | 7080D00093 |
| MF 45                                                            | x | 2   | 43   | DIN 374 | 180            | 32             | -              | 36             | 29 |  | 7080ADKAA | 7080D00094 |
| MF 45                                                            | x | 3   | 42   | DIN 374 | 200            | 45             | -              | 36             | 29 |  | 7080ADLAA | 7080D00095 |
| MF 48                                                            | x | 1,5 | 46,5 | DIN 374 | 190            | 32             | -              | 36             | 29 |  | 7080ADMAA | 7080D00096 |
| MF 48                                                            | x | 2   | 46   | DIN 374 | 190            | 32             | -              | 36             | 29 |  | 7080ADNAA | 7080D00097 |
| MF 48                                                            | x | 3   | 45   | DIN 374 | 225            | 50             | -              | 36             | 29 |  | 7080ADPAA | 7080D00098 |
| MF 50                                                            | x | 1,5 | 48,5 | DIN 374 | 190            | 32             | -              | 36             | 29 |  | 7080ADQAA |            |
| MF 50                                                            | x | 2   | 48   | DIN 374 | 190            | 32             | -              | 36             | 29 |  | 7080ADRAA |            |
| MF 52                                                            | x | 1,5 | 50,5 | DIN 374 | 190            | 32             | -              | 40             | 32 |  | 7080ADTAA |            |
| MF 52                                                            | x | 2   | 50   | DIN 374 | 190            | 32             | -              | 40             | 32 |  | 7080A1904 |            |
| MF 52                                                            | x | 3   | 49   | DIN 374 | 225            | 50             | -              | 40             | 32 |  | 7080A1905 |            |





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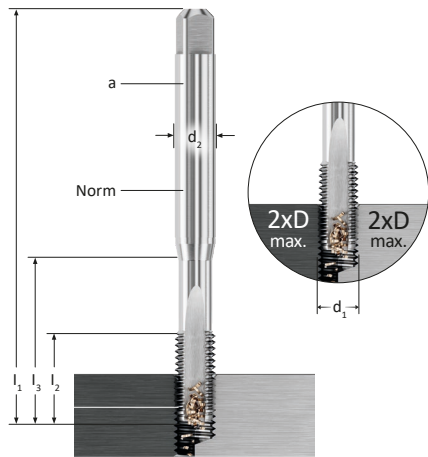
Das REIME Team steht Ihnen bei der Lösung Ihrer Zerspanungsaufgabe gerne zur Seite

The REIME team will be happy to solve your threading tasks

L'équipe de REIME se tient à votre disposition pour résoudre vos problèmes de filetage

Il team REIME sarà lieto di risolvere i vostri problemi di filettatura





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| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |        |      |                                                                                   |          |                |                |                |                |     | -          |           | NIT       |           | TICN      | -         |
|------------------------------------------------------------------|--------|------|-----------------------------------------------------------------------------------|----------|----------------|----------------|----------------|----------------|-----|------------|-----------|-----------|-----------|-----------|-----------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |        |      |                                                                                   |          |                |                |                |                |     | HSSE       |           | HSSE      |           | HSSE      | HM        |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |        |      |                                                                                   |          |                |                |                |                |     | C / 2-3    |           | C / 2-3   |           | C / 2-3   | C / 2-3   |
| d <sub>1</sub>                                                   | x      | P    |  | NORM     | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a   | ISO2X - LH | ISO2X     | ISO2X     | ISO2X     | ISO2X     | ISO2X     |
| MF 3                                                             | x 0,35 | 2,65 |                                                                                   | DIN 2181 | 40             | 8              | 18             | 3,5            | 2,7 |            | 5100A1313 |           | 6103A1017 |           |           |
|                                                                  |        |      |                                                                                   | DIN 371  | 56             | 8              | 18             | 3,5            | 2,7 |            |           |           | 6103A1018 |           |           |
| MF 3,5                                                           | x 0,35 | 3,15 |                                                                                   | DIN 2181 | 45             | 9              | 22             | 4,5            | 3,4 |            | 5100A1315 |           |           |           |           |
|                                                                  |        |      |                                                                                   | DIN 374  | 63             | 10             | -              | 2,8            | 2,1 |            | 7100A1175 |           |           |           |           |
| MF 4                                                             | x 0,35 | 3,65 |                                                                                   | DIN 2181 | 45             | 9              | 22             | 4,5            | 3,4 |            | 5100A1316 |           |           |           |           |
|                                                                  |        |      |                                                                                   | DIN 371  | 63             | 10             | 21             | 4,5            | 3,4 | 6100A1342  | 6100A1173 | 6103A1019 |           |           |           |
|                                                                  |        |      |                                                                                   | DIN 374  | 63             | 10             | -              | 2,8            | 2,1 |            | 7100AA7AA |           |           |           |           |
| MF 4,5                                                           | x 0,5  | 4    |                                                                                   | DIN 2181 | 50             | 10             | 24             | 6              | 4,9 |            | 5100A1317 |           |           |           |           |
|                                                                  |        |      |                                                                                   | DIN 2181 | 50             | 11             | 25             | 6              | 4,9 |            | 5100A1318 |           |           |           |           |
|                                                                  |        |      |                                                                                   | DIN 371  | 70             | 11             | 25             | 6              | 4,9 | 6100A1343  | 6100A1177 | 6103A1020 |           |           |           |
|                                                                  |        |      |                                                                                   | DIN 374  | 70             | 11             | -              | 3,5            | 2,7 |            | 7100AA8AA |           |           |           |           |
| MF 5                                                             | x 0,5  | 4,5  |                                                                                   | DIN 2181 | 56             | 12             | 27             | 6              | 4,9 |            | 5100A1319 |           |           |           |           |
|                                                                  |        |      |                                                                                   | DIN 371  | 80             | 13             | 30             | 6              | 4,9 | 6100A1344  | 6100A1179 | 6103A1022 |           |           |           |
|                                                                  |        |      |                                                                                   | DIN 374  | 80             | 13             | -              | 4,5            | 3,4 |            | 7100AA9AA |           |           |           |           |
| MF 6                                                             | x 0,5  | 5,5  |                                                                                   | DIN 2181 | 56             | 12             | 27             | 6              | 4,9 |            | 5100A1320 |           |           |           |           |
|                                                                  |        |      |                                                                                   | DIN 371  | 80             | 13             | 30             | 6              | 4,9 | 5100A1492  | 6100A1180 | 6103A1021 |           |           |           |
|                                                                  |        |      |                                                                                   | DIN 374  | 80             | 13             | -              | 4,5            | 3,4 | 6100A1345  | 7100ABAAA |           |           |           |           |
| MF 7                                                             | x 0,75 | 6,2  |                                                                                   | DIN 2181 | 56             | 14             | -              | 6              | 4,9 |            | 5100A1321 |           |           |           |           |
| MF 8                                                             | x 0,5  | 7,5  |                                                                                   | DIN 2181 | 56             | 14             | -              | 6              | 4,9 |            | 5100A1322 |           |           |           |           |
|                                                                  |        |      |                                                                                   | DIN 2181 | 56             | 14             | -              | 6              | 4,9 |            | 5100A1323 |           |           |           |           |
|                                                                  |        |      |                                                                                   | DIN 371  | 80             | 14             | 30             | 8              | 6,2 |            | 6100A1188 |           |           |           |           |
|                                                                  |        |      |                                                                                   | DIN 374  | 80             | 14             | -              | 6              | 4,9 |            | 7100ABDAA |           |           |           |           |
| MF 8                                                             | x 0,75 | 7,2  |                                                                                   | DIN 2181 | 63             | 17             | -              | 6              | 4,9 |            | 5100A1324 |           |           |           |           |
|                                                                  |        |      |                                                                                   | DIN 371  | 90             | 17             | 35             | 8              | 6,2 | 5100A1494  | 6100A1187 |           |           |           |           |
|                                                                  |        |      |                                                                                   | DIN 374  | 90             | 17             | -              | 6              | 4,9 | 6100A1347  | 7100ABEAA | 7103A1023 | 7103B0440 |           | 6300B0318 |
| MF 9                                                             | x 1    | 8    |                                                                                   | DIN 2181 | 63             | 17             | -              | 7              | 5,5 |            | 5100A1325 |           |           |           |           |
| MF 10                                                            | x 0,75 | 9,2  |                                                                                   | DIN 2181 | 63             | 18             | -              | 7              | 5,5 |            | 5100A1326 |           |           |           |           |
|                                                                  |        |      |                                                                                   | DIN 374  | 90             | 18             | -              | 7              | 5,5 |            | 7100ABIAA |           |           |           |           |
|                                                                  |        |      |                                                                                   | DIN 2181 | 63             | 18             | -              | 7              | 5,5 | 5100A1495  | 5100A1327 |           |           |           |           |
| MF 10                                                            | x 1    | 9    |                                                                                   | DIN 371  | 90             | 18             | 35             | 10             | 8   | 6100A1348  | 6100A1195 |           |           |           |           |
|                                                                  |        |      |                                                                                   | DIN 374  | 90             | 18             | -              | 7              | 5,5 |            | 7100ABJAA | 7103A1025 |           | 7103B0441 | 6300B0319 |
|                                                                  |        |      |                                                                                   | DIN 2181 | 70             | 22             | -              | 7              | 5,5 |            | 5100A1328 |           |           |           |           |
| MF 10                                                            | x 1,25 | 8,8  |                                                                                   | DIN 371  | 100            | 18             | 39             | 10             | 8   |            |           |           |           |           |           |
|                                                                  |        |      |                                                                                   | DIN 374  | 100            | 22             | -              | 7              | 5,5 |            | 7100ABKAA |           |           | 7103B0442 | 6300B0320 |
|                                                                  |        |      |                                                                                   | DIN 2181 | 63             | 18             | -              | 8              | 6,2 |            | 5100A1329 |           |           |           |           |
| MF 11                                                            | x 1    | 10   |                                                                                   | DIN 374  | 90             | 18             | -              | 8              | 6,2 |            | 7100ABLAA |           |           |           |           |
|                                                                  |        |      |                                                                                   | DIN 2181 | 70             | 18             | -              | 9              | 7   | 5100A1496  | 5100A1330 |           |           |           |           |
|                                                                  |        |      |                                                                                   | DIN 374  | 100            | 18             | -              | 9              | 7   |            | 7100ABNAA | 7103A1027 |           | 7103B0443 |           |
| MF 12                                                            | x 1,25 | 10,8 |                                                                                   | DIN 2181 | 70             | 20             | -              | 9              | 7   |            | 5100A1331 |           |           |           |           |
|                                                                  |        |      |                                                                                   | DIN 374  | 100            | 22             | -              | 9              | 7   |            | 7100ABPAA |           |           |           |           |
|                                                                  |        |      |                                                                                   | DIN 2181 | 70             | 20             | -              | 9              | 7   | 5100A1497  | 5100A1332 |           |           |           |           |
| MF 12                                                            | x 1,5  | 10,5 |                                                                                   | DIN 371  | 110            | 21             | 41             | 12             | 9   |            |           |           |           |           |           |
|                                                                  |        |      |                                                                                   | DIN 374  | 100            | 22             | -              | 9              | 7   |            | 7100ABQAA | 7103A1026 | 7813A5131 | 7103B0444 | 7300B0726 |
|                                                                  |        |      |                                                                                   | DIN 2181 | 70             | 18             | -              | 10             | 8   |            | 5100A1334 |           |           |           |           |
| MF 14                                                            | x 1    | 13   |                                                                                   | DIN 374  | 100            | 18             | -              | 11             | 9   |            | 7100ABSAA |           |           |           |           |
|                                                                  |        |      |                                                                                   | DIN 2181 | 70             | 20             | -              | 11             | 9   |            | 5100A1335 |           |           |           |           |
| MF 14                                                            | x 1,25 | 12,8 |                                                                                   | DIN 374  | 100            | 22             | -              | 11             | 9   |            | 7100ABTAA |           |           |           |           |
|                                                                  |        |      |                                                                                   | DIN 2181 | 70             | 20             | -              | 10             | 8   | 5100A1499  | 5100A1336 |           |           |           |           |
| MF 14                                                            | x 1,5  | 12,5 |                                                                                   | DIN 371  | 110            | 24             | 44             | 14             | 11  |            |           |           |           |           |           |
|                                                                  |        |      |                                                                                   | DIN 374  | 100            | 22             | -              | 11             | 9   |            | 7100ABUAA | 7103A1028 | 7813A5132 | 7103B0445 | 7300B0727 |
| MF 15                                                            | x 1    | 14   |                                                                                   | DIN 2181 | 70             | 18             | -              | 12             | 9   |            | 5100A1337 |           |           |           |           |
|                                                                  |        |      |                                                                                   | DIN 2181 | 70             | 18             | -              | 12             | 9   |            | 5100A1339 |           |           |           |           |
| MF 16                                                            | x 1    | 15   |                                                                                   | DIN 374  | 100            | 18             | -              | 12             | 9   |            | 7100ABXAA |           |           |           |           |
|                                                                  |        |      |                                                                                   | DIN 2181 | 70             | 20             | -              | 12             | 9   | 5100A1500  | 5100A1340 |           |           |           |           |
| MF 16                                                            | x 1,5  | 14,5 |                                                                                   | DIN 371  | 110            | 24             | 44             | 16             | 12  |            |           |           |           |           |           |
|                                                                  |        |      |                                                                                   | DIN 374  | 100            | 22             | -              | 12             | 9   |            | 7100ABYAA | 7103A1029 | 7813A5133 | 7103B0446 | 7300B0728 |
|                                                                  |        |      |                                                                                   |          |                |                |                |                |     | *          | *         | *         | *         | *         | *         |

\* weitere Abmessungen siehe Seite 50 | further dimensions see page 50 | pour plus de dimensions, voir page 50 | per le altre dimensioni andare a pagina 50

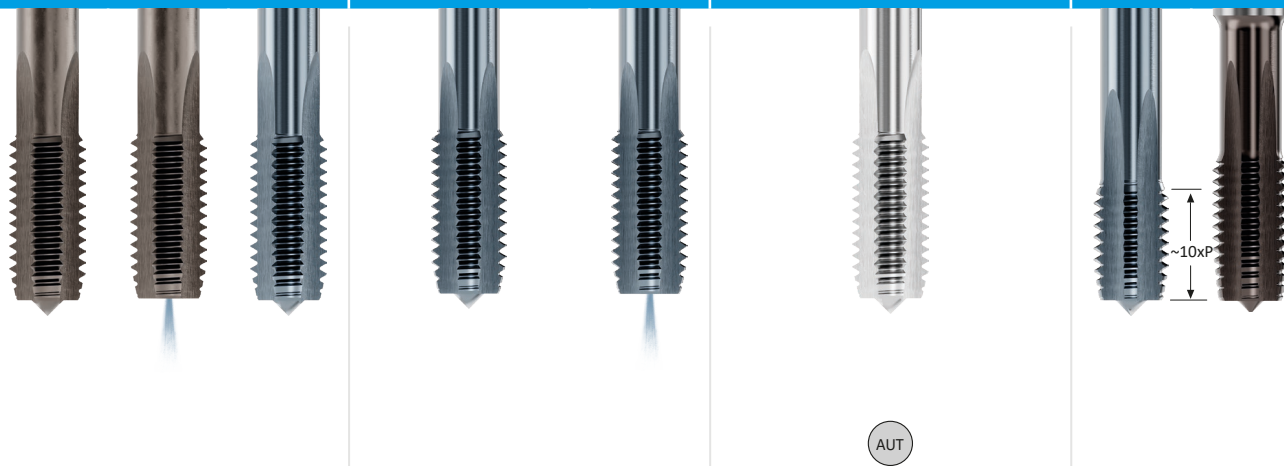
# NORIS TWIN

GG

GGV

MS

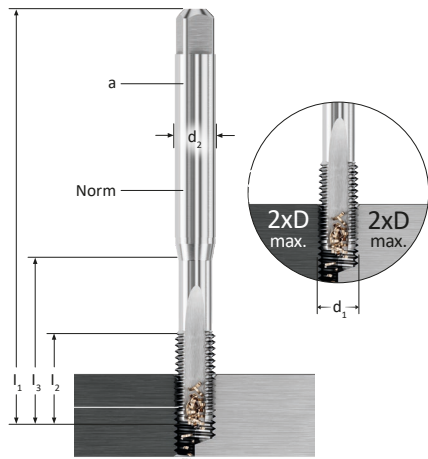
HT



AUT

| NIT       |           | TICN      | TICN      |           |           | -            |           |                          | TICN      | ALTIN     |                    |
|-----------|-----------|-----------|-----------|-----------|-----------|--------------|-----------|--------------------------|-----------|-----------|--------------------|
| HSSE      |           | HSSE      | HSSE-PM   |           |           | HSSE         |           |                          | HSSE-PM   | HM        |                    |
| C / 2-3   |           | C / 2-3   | C / 2-3   | E / 1,5-2 | C / 2-3   | ekA / 1 max. |           |                          | C / 2-3   | D / 4-5   |                    |
| ISO2X     | ISO2X     | ISO2X     | ISO2X     | ISO2X     | ISO2X     | ISO2X        | ISO3X     | ISO2X +0,1 <sup>1)</sup> | ISO2X     | ISO2X     | d <sub>1</sub> x P |
|           |           |           |           |           |           |              |           |                          |           |           | MF 3 x 0,35        |
|           |           |           |           |           |           |              |           |                          |           |           | MF 3,5 x 0,35      |
|           |           |           |           |           |           |              |           |                          |           |           | MF 4 x 0,35        |
|           |           |           |           |           |           |              |           |                          |           |           | MF 4 x 0,5         |
|           |           |           |           |           |           |              |           |                          |           |           | MF 4,5 x 0,5       |
| 7200AASAA |           |           |           |           |           |              |           |                          |           |           | MF 5 x 0,5         |
|           |           |           |           |           |           |              |           |                          |           |           | MF 6 x 0,5         |
| 7200AATAA |           |           |           |           |           |              |           |                          |           |           | MF 6 x 0,75        |
| 7200AAUAA |           |           |           |           |           |              |           |                          |           |           | MF 7 x 0,75        |
|           |           |           |           |           |           |              |           |                          |           |           | MF 8 x 0,5         |
|           |           |           |           |           |           |              |           |                          |           |           | MF 8 x 0,75        |
| 7200AAWAA |           |           |           |           |           | 5250F0043    | 5250F0048 |                          | 610HF0004 | 6260E5691 | MF 8 x 1           |
| 7200AAXAA |           | 7200B0465 |           |           |           |              |           |                          |           |           | MF 9 x 1           |
|           |           |           |           |           |           |              |           |                          |           |           | MF 10 x 0,75       |
|           |           |           |           |           |           | 5250F0044    | 5250F0049 |                          |           |           | MF 10 x 1          |
| 7200AAYAA |           | 7200B0466 |           |           |           |              |           |                          | 610HF0005 | 6260E1723 | MF 10 x 1,25       |
|           |           |           |           |           |           |              |           |                          |           |           | MF 11 x 1          |
| 7200AAZAA |           | 7200B0467 |           |           |           | 5250F0067    | 5250F0120 | 5250F0122                |           |           | MF 12 x 1          |
|           |           |           |           |           |           |              |           |                          |           |           | MF 12 x 1,25       |
| 7200AA0AA | 7820AAHAA | 7200B0468 | 720GF0003 | 720GF0008 | 782GF0004 | 5250F0045    | 5250F0050 |                          | 710HF0004 | 6260F0007 | MF 12 x 1,5        |
|           |           |           |           |           |           |              | 5250F0181 | 5250F0180                |           |           | MF 14 x 1          |
| 7200AA1AA |           |           |           |           |           |              |           |                          |           |           | MF 14 x 1,25       |
|           |           |           |           |           |           | 5250F0046    | 5250F0051 |                          |           |           | MF 14 x 1,5        |
| 7200AA2AA | 7820AAIAA | 7200B0469 | 720GF0004 | 720GF0009 | 782GF0005 |              |           |                          | 710HF0005 | 6260F0008 | MF 15 x 1          |
|           |           |           |           |           |           |              | 5250F0126 |                          |           |           | MF 16 x 1          |
|           |           |           |           |           |           |              |           |                          |           |           | MF 16 x 1,5        |
| 7200AA3AA | 7820AAJAA | 7200B0470 | 720GF0005 | 720GF0010 | 782GF0006 | 5250F0047    | 5250F0052 | 5250F0123                | 710HF0006 | 6260F0009 | MF 16 x 1,5        |

1) - Ø +0,1 mm



ST

NORIS TWIN

HR

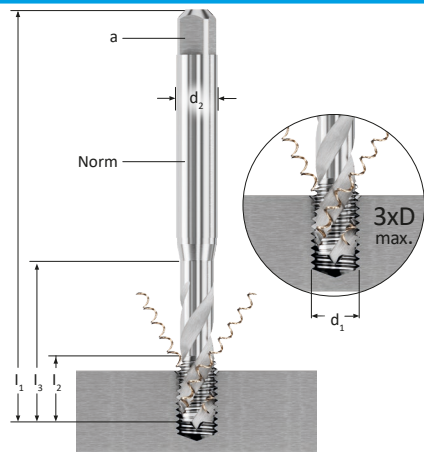


~10xP

| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |   |     |      |                |                |                |                |    |            |           | -         | NIT       | TICN      | -         |
|------------------------------------------------------------------|---|-----|------|----------------|----------------|----------------|----------------|----|------------|-----------|-----------|-----------|-----------|-----------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |   |     |      |                |                |                |                |    |            |           | HSSE      | HSSE      | HSSE      | HM        |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |   |     |      |                |                |                |                |    |            |           | C / 2-3   | C / 2-3   | C / 2-3   | C / 2-3   |
| d <sub>1</sub>                                                   | x | P   | NORM | I <sub>1</sub> | I <sub>2</sub> | I <sub>3</sub> | d <sub>2</sub> | a  | ISO2X - LH | ISO2X     | ISO2X     | ISO2X     | ISO2X     | ISO2X     |
| MF 18                                                            | x | 1   | 17   | DIN 2181       | 80             | 18             | -              | 14 | 11         | 5100A1341 |           |           |           |           |
|                                                                  |   |     |      | DIN 374        | 110            | 20             | -              | 14 | 11         | 7100ABZAA |           |           |           |           |
| MF 18                                                            | x | 1,5 | 16,5 | DIN 2181       | 80             | 22             | -              | 12 | 9          | 5100A1342 |           |           |           |           |
|                                                                  |   |     |      | DIN 374        | 110            | 25             | -              | 14 | 11         | 7100AB0AA | 7103A1030 |           | 7103B0447 |           |
| MF 18                                                            | x | 2   | 16   | DIN 2181       | 80             | 22             | -              | 14 | 11         | 5100A1343 |           |           |           |           |
|                                                                  |   |     |      | DIN 374        | 125            | 26             | -              | 14 | 11         | 7100AB1AA |           |           |           |           |
| MF 20                                                            | x | 1   | 19   | DIN 374        | 125            | 20             | -              | 16 | 12         | 7100AB2AA |           |           |           |           |
| MF 20                                                            | x | 1,5 | 18,5 | DIN 2181       | 80             | 22             | -              | 15 | 12         | 5100A1345 |           |           |           |           |
|                                                                  |   |     |      | DIN 374        | 125            | 25             | -              | 16 | 12         | 7100AB3AA | 7103A1031 | 7813A5134 | 7103B0448 | 7300B0729 |
| MF 20                                                            | x | 2   | 18   | DIN 2181       | 80             | 22             | -              | 15 | 12         | 5100A1346 |           |           |           |           |
|                                                                  |   |     |      | DIN 374        | 140            | 27             | -              | 16 | 12         | 7100AB4AA |           |           |           |           |
| MF 22                                                            | x | 1   | 21   | DIN 374        | 125            | 20             | -              | 18 | 14,5       | 7100AB5AA |           |           |           |           |
| MF 22                                                            | x | 1,5 | 20,5 | DIN 2181       | 80             | 22             | -              | 15 | 12         | 5100A1348 |           |           |           |           |
|                                                                  |   |     |      | DIN 374        | 125            | 25             | -              | 18 | 14,5       | 7100AB6AA | 7103B0419 |           | 7103B0449 |           |
| MF 22                                                            | x | 2   | 20   | DIN 2181       | 80             | 22             | -              | 18 | 14,5       | 5100A1349 |           |           |           |           |
|                                                                  |   |     |      | DIN 374        | 140            | 27             | -              | 18 | 14,5       | 7100AB7AA |           |           |           |           |
| MF 24                                                            | x | 1   | 23   | DIN 374        | 140            | 20             | -              | 18 | 14,5       | 7100AB8AA |           |           |           |           |
| MF 24                                                            | x | 1,5 | 22,5 | DIN 2181       | 90             | 22             | -              | 18 | 14,5       | 5100A1351 |           |           |           |           |
|                                                                  |   |     |      | DIN 374        | 140            | 27             | -              | 18 | 14,5       | 7100AB9AA | 7103B0420 |           | 7103B0450 |           |
| MF 24                                                            | x | 2   | 22   | DIN 2181       | 90             | 22             | -              | 18 | 14,5       | 5100A1352 |           |           |           |           |
|                                                                  |   |     |      | DIN 374        | 140            | 27             | -              | 18 | 14,5       | 7100ACAAA |           |           |           |           |
| MF 25                                                            | x | 1,5 | 23,5 | DIN 374        | 140            | 28             | -              | 18 | 14,5       | 7100ACBAA |           |           |           |           |
| MF 26                                                            | x | 1,5 | 24,5 | DIN 374        | 140            | 28             | -              | 18 | 14,5       | 7100ACCAA |           |           |           |           |
| MF 27                                                            | x | 1,5 | 25,5 | DIN 374        | 140            | 28             | -              | 20 | 16         | 7100ACEAA |           |           |           |           |
| MF 27                                                            | x | 2   | 25   | DIN 374        | 140            | 28             | -              | 20 | 16         | 7100ACFAA |           |           |           |           |
| MF 28                                                            | x | 1,5 | 26,5 | DIN 374        | 140            | 28             | -              | 20 | 16         | 7100ACGAA |           |           |           |           |
| MF 28                                                            | x | 2   | 26   | DIN 374        | 140            | 28             | -              | 20 | 16         | 7100ACHAA |           |           |           |           |
| MF 30                                                            | x | 1,5 | 28,5 | DIN 374        | 150            | 28             | -              | 22 | 18         | 7100ACJAA |           |           |           |           |
| MF 30                                                            | x | 2   | 28   | DIN 374        | 150            | 28             | -              | 22 | 18         | 7100ACKAA |           |           |           |           |
| MF 32                                                            | x | 1,5 | 30,5 | DIN 374        | 150            | 28             | -              | 22 | 18         | 7100ACLAA |           |           |           |           |
| MF 32                                                            | x | 2   | 30   | DIN 374        | 150            | 28             | -              | 22 | 18         | 7100ACMAA |           |           |           |           |
| MF 33                                                            | x | 1,5 | 31,5 | DIN 374        | 160            | 30             | -              | 25 | 20         | 7100ACNAA |           |           |           |           |
| MF 33                                                            | x | 2   | 31   | DIN 374        | 160            | 30             | -              | 25 | 20         | 7100ACPAA |           |           |           |           |
| MF 34                                                            | x | 1,5 | 32,5 | DIN 374        | 170            | 30             | -              | 28 | 22         | 7100ACQAA |           |           |           |           |
| MF 35                                                            | x | 1,5 | 33,5 | DIN 374        | 170            | 30             | -              | 28 | 22         | 7100ACRAA |           |           |           |           |
| MF 36                                                            | x | 1,5 | 34,5 | DIN 374        | 170            | 30             | -              | 28 | 22         | 7100ACSA  |           |           |           |           |
| MF 36                                                            | x | 2   | 34   | DIN 374        | 170            | 30             | -              | 28 | 22         | 7100ACTAA |           |           |           |           |
| MF 36                                                            | x | 3   | 33   | DIN 374        | 200            | 42             | -              | 28 | 22         | 7100A1237 |           |           |           |           |
| MF 38                                                            | x | 1,5 | 36,5 | DIN 374        | 170            | 30             | -              | 28 | 22         | 7100ACVAA |           |           |           |           |
| MF 39                                                            | x | 1,5 | 37,5 | DIN 374        | 170            | 30             | -              | 32 | 24         | 7100A1239 |           |           |           |           |
| MF 39                                                            | x | 2   | 37   | DIN 374        | 170            | 30             | -              | 32 | 24         | 7100A1240 |           |           |           |           |
| MF 40                                                            | x | 1,5 | 38,5 | DIN 374        | 170            | 30             | -              | 32 | 24         | 7100AEC   |           |           |           |           |
| MF 40                                                            | x | 2   | 38   | DIN 374        | 170            | 30             | -              | 32 | 24         | 7100ACZAA |           |           |           |           |
| MF 42                                                            | x | 1,5 | 40,5 | DIN 374        | 170            | 30             | -              | 32 | 24         | 7100AC1AA |           |           |           |           |
| MF 42                                                            | x | 2   | 40   | DIN 374        | 170            | 30             | -              | 32 | 24         | 7100AC2AA |           |           |           |           |
| MF 42                                                            | x | 3   | 39   | DIN 374        | 200            | 45             | -              | 32 | 24         | 7100AC3AA |           |           |           |           |
| MF 45                                                            | x | 1,5 | 43,5 | DIN 374        | 180            | 32             | -              | 36 | 29         | 7100A1249 |           |           |           |           |
| MF 45                                                            | x | 2   | 43   | DIN 374        | 180            | 32             | -              | 36 | 29         | 7100A1248 |           |           |           |           |
| MF 45                                                            | x | 3   | 42   | DIN 374        | 200            | 45             | -              | 36 | 29         | 7100A1247 |           |           |           |           |
| MF 48                                                            | x | 1,5 | 46,5 | DIN 374        | 190            | 32             | -              | 36 | 29         | 7100AC8AA |           |           |           |           |
| MF 48                                                            | x | 2   | 46   | DIN 374        | 190            | 32             | -              | 36 | 29         | 7100AC9AA |           |           |           |           |
| MF 48                                                            | x | 3   | 45   | DIN 374        | 225            | 50             | -              | 36 | 29         | 7100ADAAA |           |           |           |           |
| MF 50                                                            | x | 1,5 | 48,5 | DIN 374        | 190            | 32             | -              | 36 | 29         | 7100ADBAA |           |           |           |           |
| MF 50                                                            | x | 2   | 48   | DIN 374        | 190            | 32             | -              | 36 | 29         | 7100A1253 |           |           |           |           |
| MF 52                                                            | x | 1,5 | 50,5 | DIN 374        | 190            | 32             | -              | 40 | 32         | 7100ADEAA |           |           |           |           |
| MF 52                                                            | x | 2   | 50   | DIN 374        | 190            | 32             | -              | 40 | 32         | 7100A1256 |           |           |           |           |
| MF 52                                                            | x | 3   | 49   | DIN 374        | 225            | 50             | -              | 40 | 32         | 7100A1257 |           |           |           |           |



| GG        |           | NORIS TWIN<br>GGV |            |           | MS           |           |                    |
|-----------|-----------|-------------------|------------|-----------|--------------|-----------|--------------------|
| NIT       |           | TICN              |            |           | -            |           |                    |
| HSSE      |           | HSSE-PM           |            |           | HSSE         |           |                    |
| C / 2-3   |           | C / 2-3           | E / 1,5-2  | C / 2-3   | ekA / 1 max. |           |                    |
| ISO2X     | ISO2X     | ISO2X             | ISO2X      | ISO2X     | ISO2X        | ISO3X     | d <sub>1</sub> x P |
|           |           |                   |            |           |              |           | MF 18 x 1          |
|           |           |                   |            |           |              |           | MF 18 x 1          |
| 7200AA4AA |           | 720GF0006         | 720GF0011  | 782GF0007 | 5250F0187    | 5250F0182 | MF 18 x 1,5        |
|           |           |                   |            |           |              |           | MF 18 x 1,5        |
|           |           |                   |            |           |              |           | MF 18 x 2          |
|           |           |                   |            |           |              |           | MF 18 x 2          |
|           |           |                   |            |           |              |           | MF 20 x 1          |
| 7200AA5AA | 7820AALAA | 720GK00335        | 720GK00337 |           | 5250F0075    | 5250F0183 | MF 20 x 1,5        |
|           |           |                   |            |           |              |           | MF 20 x 1,5        |
|           |           |                   |            |           |              |           | MF 20 x 2          |
|           |           |                   |            |           |              |           | MF 20 x 2          |
|           |           |                   |            |           |              |           | MF 22 x 1          |
| 7200AA6AA |           |                   |            |           | 5250F0107    | 5250F0184 | MF 22 x 1,5        |
|           |           |                   |            |           |              |           | MF 22 x 1,5        |
|           |           |                   |            |           |              |           | MF 22 x 2          |
|           |           |                   |            |           |              |           | MF 22 x 2          |
|           |           |                   |            |           |              |           | MF 24 x 1          |
| 7200AA7AA |           |                   |            |           | 5250F0179    | 5250F0185 | MF 24 x 1,5        |
|           |           |                   |            |           |              |           | MF 24 x 1,5        |
|           |           |                   |            |           |              |           | MF 24 x 2          |
|           |           |                   |            |           |              |           | MF 24 x 2          |
| 7200AA8AA |           |                   |            |           |              |           | MF 25 x 1,5        |
|           |           |                   |            |           |              |           | MF 26 x 1,5        |
|           |           |                   |            |           |              |           | MF 27 x 1,5        |
|           |           |                   |            |           |              |           | MF 27 x 2          |
| 7200AA9AA |           |                   |            |           |              |           | MF 28 x 1,5        |
|           |           |                   |            |           |              |           | MF 28 x 2          |
| 7200ABAAA |           |                   |            |           |              |           | MF 30 x 1,5        |
|           |           |                   |            |           |              |           | MF 30 x 2          |
|           |           |                   |            |           |              |           | MF 32 x 1,5        |
|           |           |                   |            |           |              |           | MF 32 x 2          |
|           |           |                   |            |           |              |           | MF 33 x 1,5        |
|           |           |                   |            |           |              |           | MF 33 x 2          |
|           |           |                   |            |           |              |           | MF 34 x 1,5        |
|           |           |                   |            |           |              |           | MF 35 x 1,5        |
|           |           |                   |            |           |              |           | MF 36 x 1,5        |
|           |           |                   |            |           |              |           | MF 36 x 2          |
|           |           |                   |            |           |              |           | MF 36 x 3          |
|           |           |                   |            |           |              |           | MF 38 x 1,5        |
|           |           |                   |            |           |              |           | MF 39 x 1,5        |
|           |           |                   |            |           |              |           | MF 39 x 2          |
|           |           |                   |            |           |              |           | MF 40 x 1,5        |
|           |           |                   |            |           |              |           | MF 40 x 2          |
|           |           |                   |            |           |              |           | MF 42 x 1,5        |
|           |           |                   |            |           |              |           | MF 42 x 2          |
|           |           |                   |            |           |              |           | MF 42 x 3          |
|           |           |                   |            |           |              |           | MF 45 x 1,5        |
|           |           |                   |            |           |              |           | MF 45 x 2          |
|           |           |                   |            |           |              |           | MF 45 x 3          |
|           |           |                   |            |           |              |           | MF 48 x 1,5        |
|           |           |                   |            |           |              |           | MF 48 x 2          |
|           |           |                   |            |           |              |           | MF 48 x 3          |
|           |           |                   |            |           |              |           | MF 50 x 1,5        |
|           |           |                   |            |           |              |           | MF 50 x 2          |
|           |           |                   |            |           |              |           | MF 52 x 1,5        |
|           |           |                   |            |           |              |           | MF 52 x 2          |
|           |           |                   |            |           |              |           | MF 52 x 3          |



| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |        |                                                                                   |       |                |                |                |                |      |           | VAP                    |            | ALTINHD                |  |
|------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------|-------|----------------|----------------|----------------|----------------|------|-----------|------------------------|------------|------------------------|--|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |        |                                                                                   |       |                |                |                |                |      |           | HSSE                   |            | HSSE                   |  |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |        |                                                                                   |       |                |                |                |                |      |           | C / 2-3                |            | C / 2-3                |  |
| d <sub>1</sub>                                                   | - P/1" |  | NORM  | I <sub>1</sub> | I <sub>2</sub> | I <sub>3</sub> | d <sub>2</sub> | a    | 2B        | 2B +0,05 <sup>1)</sup> | 2B         | 2B +0,05 <sup>1)</sup> |  |
| UNC NR 2                                                         | - 56   | 1,85                                                                              | ≈ 371 | 45             | 4,5            | -              | 2,8            | 2,1  | 6642AINAA |                        | 6470D00327 |                        |  |
| UNC NR 4                                                         | - 40   | 2,35                                                                              | ≈ 371 | 56             | 6              | 18             | 3,5            | 2,7  | 6642ADZAA |                        | 6470D00328 |                        |  |
| UNC NR 6                                                         | - 32   | 2,85                                                                              | ≈ 371 | 56             | 7              | 20             | 4              | 3    | 6642ACMAA | 6642A4094              | 6470D00329 | 6470D00335             |  |
| UNC NR 8                                                         | - 32   | 3,5                                                                               | ≈ 371 | 63             | 8              | 21             | 4,5            | 3,4  | 6642ACNAA | 6642A4095              | 6470D00330 | 6470D00336             |  |
| UNC NR 10                                                        | - 24   | 3,9                                                                               | ≈ 371 | 70             | 10             | 25             | 6              | 4,9  | 6642ACPA  | 6642A4096              | 6470D00331 | 6470D00337             |  |
| UNC 1/4                                                          | - 20   | 5,1                                                                               | ≈ 371 | 80             | 13             | 30             | 7              | 5,5  | 6642ACRAA | 6642A4097              | 6470D00332 | 6470D00338             |  |
| UNC 5/16                                                         | - 18   | 6,6                                                                               | ≈ 371 | 90             | 14             | 35             | 8              | 6,2  | 6642ACSAA | 6642A4098              | 6470D00333 | 6470D00339             |  |
| UNC 3/8                                                          | - 16   | 8                                                                                 | ≈ 371 | 100            | 16             | 39             | 10             | 8    | 6642ACTAA | 6642A4099              | 6470D00334 | 6470D00340             |  |
|                                                                  |        |                                                                                   | ≈ 376 | 100            | 16             | -              | 7              | 5,5  |           |                        | 7470D00341 |                        |  |
| UNC 7/16                                                         | - 14   | 9,4                                                                               | ≈ 376 | 100            | 18             | -              | 8              | 6,2  | 7642F0059 | 7642A4100              | 7470D00342 | 7470D00347             |  |
| UNC 1/2                                                          | - 13   | 10,8                                                                              | ≈ 376 | 110            | 20             | -              | 9              | 7    | 7642ADIAA | 7642A4101              | 7470D00343 | 7470D00348             |  |
| UNC 9/16                                                         | - 12   | 12,2                                                                              | ≈ 376 | 110            | 20             | -              | 11             | 9    | 7642ADYAA |                        |            |                        |  |
| UNC 5/8                                                          | - 11   | 13,5                                                                              | ≈ 376 | 110            | 22             | -              | 12             | 9    | 7642ADJAA | 7642A4103              | 7470D00344 | 7470D00349             |  |
| UNC 3/4                                                          | - 10   | 16,5                                                                              | ≈ 376 | 125            | 25             | -              | 14             | 11   | 7642ADKAA | 7642A4104              | 7470D00345 | 7470D00350             |  |
| UNC 7/8                                                          | - 9    | 19,5                                                                              | ≈ 376 | 140            | 27             | -              | 18             | 14,5 | 7642ADLAA |                        |            |                        |  |
| UNC 1                                                            | - 8    | 22,25                                                                             | ≈ 376 | 160            | 30             | -              | 18             | 14,5 | 7642ADMAA | 7642A4105              | 7470D00346 | 7470D00351             |  |
| UNC 1 1/4                                                        | - 7    | 28                                                                                | ≈ 376 | 180            | 35             | -              | 22             | 18   |           |                        |            |                        |  |
| UNC 1 1/2                                                        | - 6    | 34                                                                                | ≈ 376 | 200            | 40             | -              | 28             | 22   |           |                        |            |                        |  |
| UNC 1 3/4                                                        | - 5    | 39,5                                                                              | ≈ 376 | 220            | 45             | -              | 36             | 29   |           |                        |            |                        |  |
| UNC 2                                                            | - 4,5  | 45                                                                                | ≈ 376 | 250            | 50             | -              | 40             | 32   |           |                        |            |                        |  |

1) - Ø + 0,05 mm

# NORIS SALOREX

ST



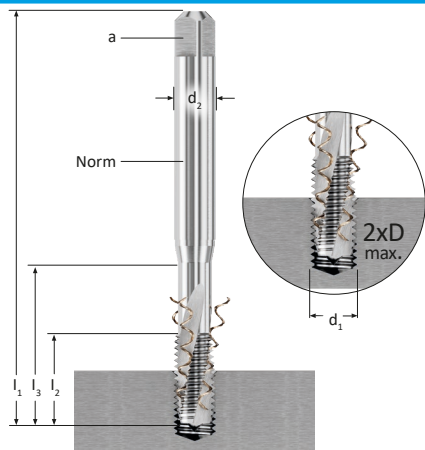
VA



VR

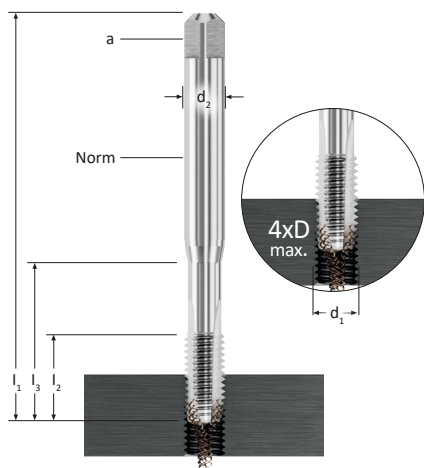


| -         |           | VAP       | ALTINH    | TIBLU      |            |                       |
|-----------|-----------|-----------|-----------|------------|------------|-----------------------|
| HSSE      |           | HSSE      | HSSE      | HSSE-PM    |            |                       |
| C / 2-3   |           | C / 2-3   | E / 1,5-2 | C / 2-3    | E / 1,5-2  |                       |
| 2B        | 3B        | 2B        | 2B        | 2BX        | 2BX        | d <sub>1</sub> - P/1" |
| 6640A3618 |           |           | 6645B0249 |            |            | UNC NR 2 - 56         |
| 6640A3620 | 6640A3724 |           | 6645B0250 | 6655K00145 | 6655K00168 | UNC NR 4 - 40         |
| 6640A3622 | 6640AC3AA | 6645AARAA | 6645B0251 | 6655K00146 | 6655K00169 | UNC NR 6 - 32         |
| 6640ACRAA | 6640AC4AA | 6645AAWAA | 6645B0252 | 6655K00147 | 6655K00170 | UNC NR 8 - 32         |
| 6640ACSA  | 6640AC5AA | 6645AA6AA | 6645B0253 | 6655K00143 | 6655K00166 | UNC NR 10 - 24        |
| 6640ACUAA | 6640AC7AA | 6645AA2AA | 6645B0254 | 6655K00125 | 6655K00148 | UNC 1/4 - 20          |
| 6640ACVAA | 6640AC8AA | 6645AAJAA | 6645B0255 | 6655K00129 | 6655K00152 | UNC 5/16 - 18         |
| 6640ACWAA | 6640AC9AA | 6645ABDAA | 6645B0256 | 6655K00127 | 6655K00150 | UNC 3/8 - 16          |
| 7640A3631 |           |           | 7645B0622 |            |            |                       |
| 7640A3632 | 7640A3734 | 7645A4049 | 7645B0623 | 7655K00184 | 7655K00224 | UNC 7/16 - 14         |
| 7640ADEAA | 7640A3735 | 7645ABTAA | 7645B0624 | 7655K00178 | 7655K00218 | UNC 1/2 - 13          |
|           |           |           |           |            |            | UNC 9/16 - 12         |
| 7640ADGAA | 7640A3737 | 7645AAPAA | 7645B0625 | 7655K00182 | 7655K00222 | UNC 5/8 - 11          |
| 7640ADHAA | 7640A3738 | 7645AAUAA | 7645B0626 | 7655K00180 | 7655K00220 | UNC 3/4 - 10          |
| 7640ADIAA |           |           |           |            |            | UNC 7/8 - 9           |
| 7640ADJAA |           | 7645ABCAA | 7645B0627 | 7655K00177 | 7655K00217 | UNC 1 - 8             |
| 7640ADLAA |           |           |           |            |            | UNC 1 1/4 - 7         |
| 7640ADNAA |           |           |           |            |            | UNC 1 1/2 - 6         |
| 7640A3650 |           |           |           |            |            | UNC 1 3/4 - 5         |
| 7640A3651 |           |           |           |            |            | UNC 2 - 4,5           |

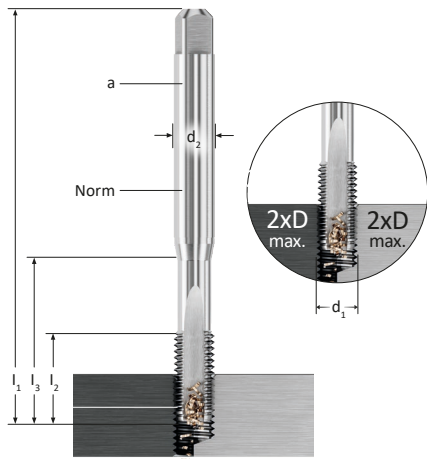


|                                                                  |           |
|------------------------------------------------------------------|-----------|
| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     | VAP       |
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   | HSSE-PM   |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO | C / 2-3   |
| $d_1$ - P/1" NORM $l_1$ $l_2$ $l_3$ $d_2$ a                      | 2BX       |
| UNC NR 4 - 40 2,35 $\approx$ 371 56 6 18 3,5 2,7                 | 6614ABKAA |
| UNC NR 6 - 32 2,85 $\approx$ 371 56 7 20 4 3                     | 6614ABMAA |
| UNC NR 8 - 32 3,5 $\approx$ 371 63 8 21 4,5 3,4                  | 6614ABNAA |
| UNC NR 10 - 24 3,9 $\approx$ 371 70 10 25 6 4,9                  | 6614ABPAA |
| UNC 1/4 - 20 5,1 $\approx$ 371 80 13 30 7 5,5                    | 6614ABRAA |
| UNC 5/16 - 18 6,6 $\approx$ 371 90 14 35 8 6,2                   | 6614AA5AA |

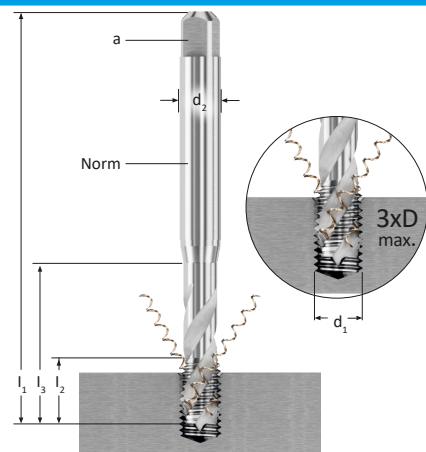




| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |        |       |       |                |                |                |                |      |           | NITVAP    |    | -         |           | NIT       | VAP       | TIN       |
|------------------------------------------------------------------|--------|-------|-------|----------------|----------------|----------------|----------------|------|-----------|-----------|----|-----------|-----------|-----------|-----------|-----------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |        |       |       |                |                |                |                |      |           | HSSE      |    | HSSE      |           | HSSE      | HSSE-PM   | HSSE-PM   |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |        |       |       |                |                |                |                |      |           | B / 4-5   |    | B / 4-5   |           | B / 4-5   | B / 4-5   | B / 4-5   |
| d <sub>1</sub>                                                   | - P/1" |       | NORM  | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a    |           | 2B        | 3B | 2B        | 3B        | 2B        | 2BX       | 2BX       |
| UNC NR 2                                                         | - 56   | 1,85  | ≈ 371 | 45             | 7              | -              | 2,8            | 2,1  | 6560AB1AA |           |    | 6080ACYAA |           |           |           |           |
| UNC NR 4                                                         | - 40   | 2,35  | ≈ 371 | 56             | 11             | 18             | 3,5            | 2,7  | 6560AB3AA |           |    | 6080AC0AA |           |           | 6084A2045 | 6084A2053 |
| UNC NR 6                                                         | - 32   | 2,85  | ≈ 371 | 56             | 12             | 20             | 4              | 3    | 6560AB5AA | 6560ACCAA |    | 6080AC2AA |           | 6535AAPAA | 6084A2046 | 6084A2054 |
| UNC NR 8                                                         | - 32   | 3,5   | ≈ 371 | 63             | 13             | 21             | 4,5            | 3,4  | 6560AB6AA | 6560ACDAA |    | 6080AC3AA |           | 6535AAQAA | 6084A2047 | 6084A2055 |
| UNC NR 10                                                        | - 24   | 3,9   | ≈ 371 | 70             | 15             | 25             | 6              | 4,9  | 6560AB7AA |           |    | 6080AC4AA |           | 6535AARAA | 6084A2048 | 6084A2056 |
| UNC 1/4                                                          | - 20   | 5,1   | ≈ 371 | 80             | 17             | 30             | 7              | 5,5  | 6560AB9AA | 6560ACFAA |    | 6080AC6AA |           | 6535AATAA | 6084A2049 | 6084A2057 |
| UNC 5/16                                                         | - 18   | 6,6   | ≈ 371 | 90             | 20             | 35             | 8              | 6,2  | 6560ABNAA |           |    | 6080AC7AA |           | 6535AAUAA | 6084A2050 | 6084A2058 |
| UNC 3/8                                                          | - 16   | 8     | ≈ 371 | 100            | 22             | 39             | 10             | 8    | 6560ABPAA |           |    | 6080AC8AA |           | 6535AAVAA | 6084A2051 | 6084A2059 |
|                                                                  |        |       | ≈ 376 | 100            | 22             | -              | 7              | 5,5  |           |           |    | 7080A1989 |           |           |           |           |
| UNC 7/16                                                         | - 14   | 9,4   | ≈ 376 | 100            | 22             | -              | 8              | 6,2  | 7560A2395 |           |    | 7080B0491 | 7080A2092 | 7535A2012 |           |           |
| UNC 1/2                                                          | - 13   | 10,8  | ≈ 376 | 110            | 25             | -              | 9              | 7    | 7560AC7AA |           |    | 7080AGKAA | 7080A2093 | 7535AA3AA | 7084A2052 | 7084A2060 |
| UNC 5/8                                                          | - 11   | 13,5  | ≈ 376 | 110            | 27             | -              | 12             | 9    | 7560AC8AA |           |    | 7080AGMAA | 7080A2095 | 7535AA5AA |           |           |
| UNC 3/4                                                          | - 10   | 16,5  | ≈ 376 | 125            | 30             | -              | 14             | 11   | 7560AC9AA |           |    | 7080AGNAA | 7080A2096 | 7535AA6AA |           |           |
| UNC 7/8                                                          | - 9    | 19,5  | ≈ 376 | 140            | 32             | -              | 18             | 14,5 | 7560ADAAA |           |    | 7080AGPAA |           | 7535AA7AA |           |           |
| UNC 1                                                            | - 8    | 22,25 | ≈ 376 | 160            | 36             | -              | 18             | 14,5 | 7560AB9AB |           |    | 7080AGQAA |           | 7535AA8AA |           |           |
| UNC 1 1/4                                                        | - 7    | 28    | ≈ 376 | 180            | 40             | -              | 22             | 18   |           |           |    | 7080AGSAA |           |           |           |           |
| UNC 1 1/2                                                        | - 6    | 34    | ≈ 376 | 200            | 50             | -              | 28             | 22   |           |           |    | 7080AGUAA |           |           |           |           |
| UNC 1 3/4                                                        | - 5    | 39,5  | ≈ 376 | 220            | 58             | -              | 36             | 29   |           |           |    | 7080AGVAA |           |           |           |           |
| UNC 2                                                            | - 4,5  | 45    | ≈ 376 | 250            | 65             | -              | 40             | 32   |           |           |    | 7080AGWAA |           |           |           |           |



| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |        |       |       |       |       |       |       |      |  | NIT       | NIT       |
|------------------------------------------------------------------|--------|-------|-------|-------|-------|-------|-------|------|--|-----------|-----------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |        |       |       |       |       |       |       |      |  | HSSE      | HSSE      |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |        |       |       |       |       |       |       |      |  | C / 2-3   | C / 2-3   |
| $d_1$                                                            | - P/1" |       | NORM  | $l_1$ | $l_2$ | $l_3$ | $d_2$ | $a$  |  | 2BX       | 2BX       |
| UNC NR 4                                                         | - 40   | 2,35  | ≈ 371 | 56    | 11    | 18    | 3,5   | 2,7  |  | 6103A1054 | 6200A1087 |
| UNC NR 6                                                         | - 32   | 2,85  | ≈ 371 | 56    | 12    | 20    | 4     | 3    |  | 6103A1056 | 6200A1089 |
| UNC NR 8                                                         | - 32   | 3,5   | ≈ 371 | 63    | 13    | 21    | 4,5   | 3,4  |  | 6103A1057 | 6200A1090 |
| UNC NR 10                                                        | - 24   | 3,9   | ≈ 371 | 70    | 15    | 25    | 6     | 4,9  |  | 6103A1058 | 6200AA9AA |
| UNC 1/4                                                          | - 20   | 5,1   | ≈ 371 | 80    | 17    | 30    | 7     | 5,5  |  | 6103A1060 | 6200ABBAA |
| UNC 5/16                                                         | - 18   | 6,6   | ≈ 371 | 90    | 20    | 35    | 8     | 6,2  |  | 6103A1061 | 6200ABCAA |
| UNC 3/8                                                          | - 16   | 8     | ≈ 371 | 100   | 22    | 39    | 10    | 8    |  | 6103A1062 | 6200ABDAA |
| UNC 7/16                                                         | - 14   | 9,4   | ≈ 376 | 100   | 22    | -     | 8     | 6,2  |  | 7103A1063 |           |
| UNC 1/2                                                          | - 13   | 10,8  | ≈ 376 | 110   | 25    | -     | 9     | 7    |  | 7103A1065 | 7200ACPAA |
| UNC 9/16                                                         | - 12   | 12,2  | ≈ 376 | 110   | 26    | -     | 11    | 9    |  | 7103A1066 | 7200A1099 |
| UNC 5/8                                                          | - 11   | 13,5  | ≈ 376 | 110   | 27    | -     | 12    | 9    |  | 7103A1067 | 7200ACQAA |
| UNC 3/4                                                          | - 10   | 16,5  | ≈ 376 | 125   | 30    | -     | 14    | 11   |  | 7103A1068 | 7200ACRAA |
| UNC 7/8                                                          | - 9    | 19,5  | ≈ 376 | 140   | 32    | -     | 18    | 14,5 |  | 7103A1069 | 7200ACSAA |
| UNC 1                                                            | - 8    | 22,25 | ≈ 376 | 160   | 36    | -     | 18    | 14,5 |  | 7103A1070 | 7200ACTAA |



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NORIS SALOREX

ST

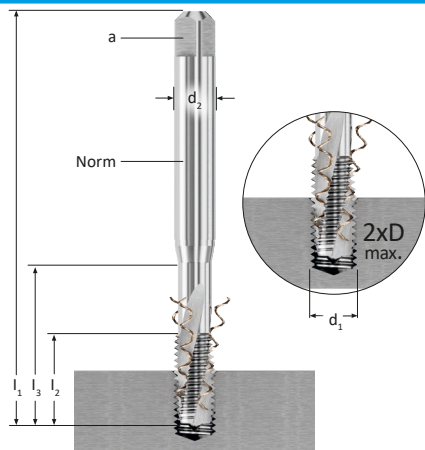
VA

VR



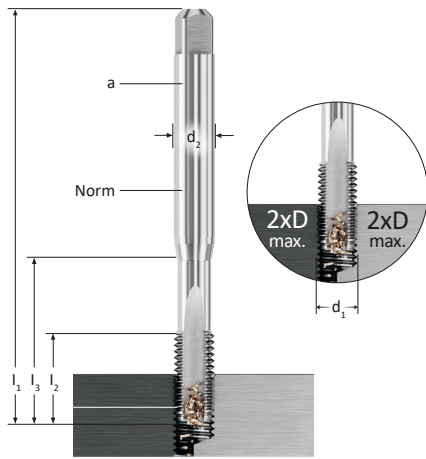
| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |        |                                                                                   |       |                |                |                |                |      |           | VAP                    |           | -         |           | VAP        |            | TIBLU                |  |
|------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------|-------|----------------|----------------|----------------|----------------|------|-----------|------------------------|-----------|-----------|-----------|------------|------------|----------------------|--|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |        |                                                                                   |       |                |                |                |                |      |           | HSSE                   |           | HSSE      |           | HSSE       |            | HSSE-PM              |  |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |        |                                                                                   |       |                |                |                |                |      |           | C / 2-3                |           | C / 2-3   |           | E / 1,5-2  |            | C / 2-3<br>E / 1,5-2 |  |
| d <sub>1</sub>                                                   | - P/1" |  | NORM  | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a    | 2B        | 2B +0,05 <sup>1)</sup> | 2B        | 3B        | 2B        | 2BX        | 2BX        |                      |  |
| UNF NR 2                                                         | - 64   | 1,85                                                                              | ≈ 371 | 45             | 4,5            | 12             | 2,8            | 2,1  |           |                        | 6640A3652 |           | 6645A1873 |            |            |                      |  |
| UNF NR 4                                                         | - 48   | 2,4                                                                               | ≈ 371 | 56             | 6              | 18             | 3,5            | 2,7  | 6642A3939 |                        | 6640A3654 |           | 6645A1875 |            |            |                      |  |
| UNF NR 6                                                         | - 40   | 2,95                                                                              | ≈ 371 | 56             | 7              | 20             | 4              | 3    | 6642ACHAA | 6642A4461              | 6640ACGAA | 6640ADGAA | 6645A1877 |            |            |                      |  |
| UNF NR 8                                                         | - 36   | 3,5                                                                               | ≈ 371 | 63             | 8              | 21             | 4,5            | 3,4  | 6642ACIAA | 6642A4462              | 6640ACHAA | 6640ADHAA | 6645AAUAA |            |            |                      |  |
| UNF NR 10                                                        | - 32   | 4,1                                                                               | ≈ 371 | 70             | 10             | 25             | 6              | 4,9  | 6642ACJAA | 6642A4463              | 6640ACIAA | 6640A3741 | 6645A1871 | 6655K00144 | 6655K00167 |                      |  |
| UNF 1/4                                                          | - 28   | 5,5                                                                               | ≈ 371 | 80             | 10             | 30             | 7              | 5,5  | 6642ACLAA | 6642A4464              | 6640ACKAA | 6640A3743 | 6645A1872 | 6655K00126 | 6655K00149 |                      |  |
|                                                                  |        |                                                                                   | ≈ 376 | 80             | 10             | -              | 4,5            | 3,4  |           |                        | 7640A3661 |           |           |            |            |                      |  |
| UNF 5/16                                                         | - 24   | 6,9                                                                               | ≈ 371 | 90             | 10             | 35             | 8              | 6,2  | 6642A3948 | 6642A4465              | 6640A3662 | 6640A3744 | 6645A1878 | 6655K00130 | 6655K00153 |                      |  |
|                                                                  |        |                                                                                   | ≈ 376 | 90             | 10             | -              | 6              | 4,9  |           |                        | 7640AC1AA |           |           |            |            |                      |  |
| UNF 3/8                                                          | - 24   | 8,5                                                                               | ≈ 371 | 90             | 10             | 35             | 10             | 8    | 6642A3949 | 6642A4466              | 6640A3665 | 6640A3745 | 6645A1879 | 6655K00128 | 6655K00151 |                      |  |
|                                                                  |        |                                                                                   | ≈ 376 | 90             | 10             | -              | 7              | 5,5  |           |                        | 7640AC2AA | 7640ADQAA |           |            |            |                      |  |
| UNF 7/16                                                         | - 20   | 9,9                                                                               | ≈ 376 | 100            | 13             | -              | 8              | 6,2  | 7642ADCAA | 7642A4467              | 7640AC3AA | 7640ADRAA |           | 7655K00185 | 7655K00225 |                      |  |
| UNF 1/2                                                          | - 20   | 11,5                                                                              | ≈ 376 | 100            | 13             | -              | 9              | 7    | 7642ADDAA | 7642A4468              | 7640AC4AA | 7640ADSAA |           | 7655K00179 | 7655K00219 |                      |  |
| UNF 9/16                                                         | - 18   | 12,9                                                                              | ≈ 376 | 100            | 15             | -              | 11             | 9    | 7642AFNAB | 7642A4469              | 7640AC5AA | 7640A3749 |           |            |            |                      |  |
| UNF 5/8                                                          | - 18   | 14,5                                                                              | ≈ 376 | 100            | 15             | -              | 12             | 9    | 7642ADEAA | 7642A4470              | 7640AC6AA | 7640A3750 |           | 7655K00183 | 7655K00223 |                      |  |
| UNF 3/4                                                          | - 16   | 17,5                                                                              | ≈ 376 | 110            | 17             | -              | 14             | 11   | 7642ADFAA | 7642A4471              | 7640AC7AA | 7640A3751 |           | 7655K00181 | 7655K00221 |                      |  |
| UNF 7/8                                                          | - 14   | 20,4                                                                              | ≈ 376 | 125            | 17             | -              | 18             | 14,5 | 7642ADGAA |                        | 7640AC8AA |           |           |            |            |                      |  |
| UNF 1                                                            | - 12   | 23,25                                                                             | ≈ 376 | 140            | 20             | -              | 18             | 14,5 | 7642ADHAA | 7642A4472              | 7640AC9AA |           |           | 7655K00176 | 7655K00216 |                      |  |
| UNF 1 1/8                                                        | - 12   | 26,5                                                                              | ≈ 376 | 150            | 22             | -              | 22             | 18   | 7642ATOAB |                        | 7640ADAAA |           |           |            |            |                      |  |
| UNF 1 1/4                                                        | - 12   | 29,5                                                                              | ≈ 376 | 150            | 22             | -              | 22             | 18   | 7642ALFAA |                        | 7640ADBAA |           |           |            |            |                      |  |
| UNF 1 3/8                                                        | - 12   | 32,75                                                                             | ≈ 376 | 170            | 24             | -              | 28             | 22   | 7642AT1AB |                        | 7640ADCAA |           |           |            |            |                      |  |
| UNF 1 1/2                                                        | - 12   | 36                                                                                | ≈ 376 | 170            | 24             | -              | 28             | 22   | 7642AKIAA |                        | 7640A3678 |           |           |            |            |                      |  |

1) - Ø + 0,05 mm



| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |        |     |       |                |                |                |                |     |  | VAP       |           |
|------------------------------------------------------------------|--------|-----|-------|----------------|----------------|----------------|----------------|-----|--|-----------|-----------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |        |     |       |                |                |                |                |     |  | HSSE-PM   |           |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |        |     |       |                |                |                |                |     |  | C / 2-3   |           |
| d <sub>1</sub>                                                   | - P/1" |     | NORM  | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a   |  | 2BX       | 3BX       |
| UNF NR 10                                                        | - 32   | 4,1 | ≈ 371 | 70             | 15             | 25             | 6              | 4,9 |  | 6614ABHAA | 6614AB3AA |
| UNF 1/4                                                          | - 28   | 5,5 | ≈ 371 | 80             | 17             | 30             | 7              | 5,5 |  | 6614ABJAA | 6614AB5AA |
| UNF 5/16                                                         | - 24   | 6,9 | ≈ 371 | 90             | 17             | 35             | 8              | 6,2 |  | 6614AA9AA | 6614ACAAA |
| UNF 3/8                                                          | - 24   | 8,5 | ≈ 371 | 90             | 18             | 35             | 10             | 8   |  | 6614ABAAA | 6614ACBAA |

59



OBERFLÄCHE / SURFACE  
SURFACE / SUPERFICIE

SCHNEIDSTOFF / MATERIAL  
MATIÈRE / MATERIALE

ANSCHNITTFORM / CHAMFER FORM  
FORME D'ENTRÉE / FORMA D'IMBOCCO

$d_1$  - P/1" NORM  $l_1$   $l_2$   $l_3$   $d_2$  a

|                |       |       |     |    |    |     |      |
|----------------|-------|-------|-----|----|----|-----|------|
| UNF NR 4 - 48  | 2,4   | ≈ 371 | 56  | 11 | 18 | 3,5 | 2,7  |
| UNF NR 6 - 40  | 2,95  | ≈ 371 | 56  | 12 | 20 | 4   | 3    |
| UNF NR 8 - 36  | 3,5   | ≈ 371 | 63  | 13 | 21 | 4,5 | 3,4  |
| UNF NR 10 - 32 | 4,1   | ≈ 371 | 70  | 15 | 25 | 6   | 4,9  |
| UNF 1/4 - 28   | 5,5   | ≈ 371 | 80  | 17 | 30 | 7   | 5,5  |
| UNF 5/16 - 24  | 6,9   | ≈ 371 | 90  | 17 | 35 | 8   | 6,2  |
| UNF 3/8 - 24   | 8,5   | ≈ 371 | 90  | 18 | 35 | 10  | 8    |
| UNF 7/16 - 20  | 9,9   | ≈ 376 | 100 | 22 | -  | 8   | 6,2  |
| UNF 1/2 - 20   | 11,5  | ≈ 376 | 100 | 22 | -  | 9   | 7    |
| UNF 9/16 - 18  | 12,9  | ≈ 376 | 100 | 22 | -  | 11  | 9    |
| UNF 5/8 - 18   | 14,5  | ≈ 376 | 100 | 22 | -  | 12  | 9    |
| UNF 3/4 - 16   | 17,5  | ≈ 376 | 110 | 25 | -  | 14  | 11   |
| UNF 7/8 - 14   | 20,4  | ≈ 376 | 125 | 25 | -  | 18  | 14,5 |
| UNF 1 - 12     | 23,25 | ≈ 376 | 140 | 28 | -  | 18  | 14,5 |

NIT

HSSE

C / 2-3

2BX

|           |
|-----------|
| 6103A1071 |
| 6103A1073 |
| 6103A1074 |
| 6103A1075 |
| 6103A1077 |
| 6103A1078 |
| 6103A1079 |
| 7103A1080 |
| 7103A1081 |
| 7103A1082 |
| 7103A1083 |
| 7103A1084 |
| 7103A1085 |
| 7103A1086 |

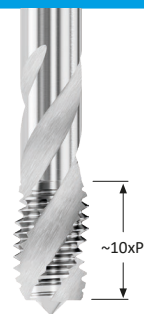
NIT

HSSE

C / 2-3

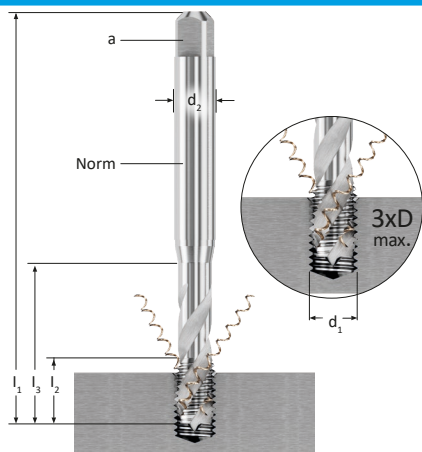
2BX

|           |
|-----------|
| 6200A1104 |
| 6200A1106 |
| 6200A1107 |
| 6200AA6AA |
| 6200AA8AA |
| 6200A1111 |
| 6200A1112 |
| 7200ACHAA |
| 7200ACIAA |
| 7200A1115 |
| 7200ACKAA |
| 7200ACLAA |
| 7200ACMAA |
| 7200ACNAA |



| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |   |      |       |       |                |                |                |                |      | -         |           |
|------------------------------------------------------------------|---|------|-------|-------|----------------|----------------|----------------|----------------|------|-----------|-----------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |   |      |       |       |                |                |                |                |      | HSSE      | HSSE      |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |   |      |       |       |                |                |                |                |      | B / 4-5   | C / 2-3   |
| d <sub>1</sub>                                                   | - | P/1" |       | NORM  | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a    | 2B        | 2B        |
| UNEF 1/4                                                         | - | 32   | 5,55  | ≈ 374 | 80             | 14             | -              | 4,5            | 3,4  | 7080AHNAA | 7640A3679 |
| UNEF 5/16                                                        | - | 32   | 7,15  | ≈ 374 | 80             | 14             | -              | 6              | 4,9  | 7080AHPAA | 7640A3680 |
| UNEF 3/8                                                         | - | 32   | 8,7   | ≈ 374 | 90             | 18             | -              | 7              | 5,5  | 7080AHQAA | 7640A3681 |
| UNEF 7/16                                                        | - | 28   | 10,2  | ≈ 374 | 90             | 18             | -              | 8              | 6,2  | 7080AHRAA | 7640A3682 |
| UNEF 1/2                                                         | - | 28   | 11,8  | ≈ 374 | 100            | 18             | -              | 9              | 7    | 7080AHSAA | 7640A3683 |
| UNEF 9/16                                                        | - | 24   | 13,2  | ≈ 374 | 100            | 18             | -              | 11             | 9    | 7080AHTAA | 7640A3684 |
| UNEF 5/8                                                         | - | 24   | 14,8  | ≈ 374 | 100            | 18             | -              | 12             | 9    | 7080AHUAA | 7640A3685 |
| UNEF 3/4                                                         | - | 20   | 17,8  | ≈ 374 | 110            | 25             | -              | 14             | 11   | 7080AHVAA | 7640A3686 |
| UNEF 7/8                                                         | - | 20   | 20,95 | ≈ 374 | 125            | 25             | -              | 18             | 14,5 | 7080AHWAA | 7640A3687 |
| UNEF 1                                                           | - | 20   | 24,15 | ≈ 374 | 140            | 28             | -              | 18             | 14,5 | 7080AHXAA | 7640A3688 |





| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     | VAP     |                                                                                   |       |       |       |       |       |    |           |  |
|------------------------------------------------------------------|---------|-----------------------------------------------------------------------------------|-------|-------|-------|-------|-------|----|-----------|--|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   | HSSE    |                                                                                   |       |       |       |       |       |    |           |  |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO | C / 2-3 |                                                                                   |       |       |       |       |       |    |           |  |
| $d_1$                                                            | - P/1"  |  | NORM  | $l_1$ | $l_2$ | $l_3$ | $d_2$ | a  | 2B        |  |
| UN 1 1/8                                                         | - 8     | 25,4                                                                              | ≈ 374 | 180   | 30    | -     | 22    | 18 | 7642AXQAA |  |
| UN 1 1/4                                                         | - 8     | 28,6                                                                              | ≈ 374 | 180   | 30    | -     | 22    | 18 | 7642AXRAA |  |
| UN 1 1/2                                                         | - 8     | 35                                                                                | ≈ 374 | 200   | 30    | -     | 28    | 22 | 7642AHSAA |  |
| UN 1 3/4                                                         | - 8     | 41,3                                                                              | ≈ 374 | 200   | 30    | -     | 36    | 29 | 7642AXUAA |  |
| UN 2                                                             | - 8     | 47,7                                                                              | ≈ 374 | 225   | 33    | -     | 40    | 32 | 7642AXWAA |  |



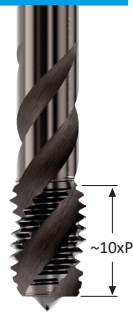
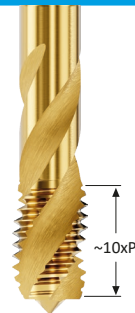
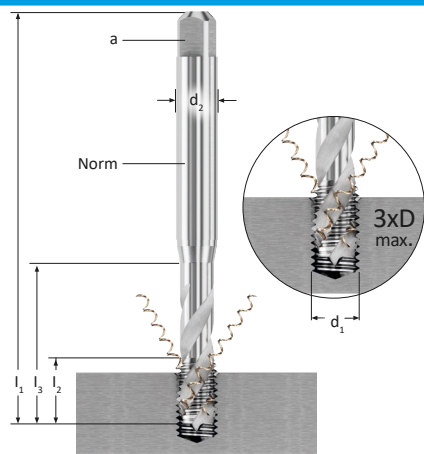
# SOLUTIONS@NORIS-REIME.DE

Das REIME Team steht Ihnen bei der Lösung Ihrer Zerspanungsaufgabe gerne zur Seite

The REIME team will be happy to solve your threading tasks

L'équipe de REIME se tient à votre disposition pour résoudre vos problèmes de filetage

Il team REIME sarà lieto di risolvere i vostri problemi di filettatura



| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |        |       |          |                |                |                |                |      |  | VAP       |           |                               | TIN       |           | ALTINHD   |
|------------------------------------------------------------------|--------|-------|----------|----------------|----------------|----------------|----------------|------|--|-----------|-----------|-------------------------------|-----------|-----------|-----------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |        |       |          |                |                |                |                |      |  | HSSE      |           |                               | HSSE      |           | HSSE      |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |        |       |          |                |                |                |                |      |  | C / 2-3   | E / 1,5-2 |                               | C / 2-3   | E / 1,5-2 | E / 1,5-2 |
| d <sub>1</sub>                                                   | - P/1" |       | NORM     | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a    |  | ISO 228 X | ISO 228 X | ISO 228 X +0,05 <sup>1)</sup> | ISO 228 X | ISO 228 X | ISO 228 X |
| G 1/16                                                           | - 28   | 6,8   | DIN 5156 | 90             | 17             | -              | 6              | 4,9  |  | 7642A3885 |           |                               |           |           |           |
| G 1/8                                                            | - 28   | 8,8   | DIN 5156 | 90             | 18             | -              | 7              | 5,5  |  | 7642ACMAA | 7642ACMAR | 7642A4454                     | 7642ACMAB | 7642ACMAS | 7470F0056 |
| G 1/4                                                            | - 19   | 11,8  | DIN 5156 | 100            | 22             | -              | 11             | 9    |  | 7642ACNAA | 7642ACNAM | 7642A4455                     | 7642ACNAB | 7642ACNAN | 7470F0057 |
| G 3/8                                                            | - 19   | 15,25 | DIN 5156 | 100            | 22             | -              | 12             | 9    |  | 7642ACPA  | 7642ACPAM | 7642A4456                     | 7642ACPAC | 7642ACPAN | 7470F0058 |
| G 1/2                                                            | - 14   | 19    | DIN 5156 | 125            | 25             | -              | 16             | 12   |  | 7642ACQAA | 7642ACQAS | 7642A4457                     | 7642ACQAB | 7642ACQAI | 7470F0059 |
| G 5/8                                                            | - 14   | 21    | DIN 5156 | 125            | 25             | -              | 18             | 14,5 |  | 7642ACRAA |           |                               |           |           |           |
| G 3/4                                                            | - 14   | 24,5  | DIN 5156 | 140            | 28             | -              | 20             | 16   |  | 7642ACSA  |           | 7642A4459                     |           |           |           |
| G 7/8                                                            | - 14   | 28,25 | DIN 5156 | 150            | 28             | -              | 22             | 18   |  | 7642ACTAA |           |                               |           |           |           |
| G 1                                                              | - 11   | 30,75 | DIN 5156 | 160            | 30             | -              | 25             | 20   |  | 7642ACUAA |           | 7642A4460                     |           |           |           |
| G 1 1/8                                                          | - 11   | 35,5  | DIN 5156 | 170            | 30             | -              | 28             | 22   |  | 7642ACVAA |           |                               |           |           |           |
| G 1 1/4                                                          | - 11   | 39,5  | DIN 5156 | 170            | 30             | -              | 32             | 24   |  | 7642ACWAA |           |                               |           |           |           |
| G 1 3/8                                                          | - 11   | 41,75 | DIN 5156 | 180            | 32             | -              | 36             | 29   |  | 7642ACXAA |           |                               |           |           |           |
| G 1 1/2                                                          | - 11   | 45,25 | DIN 5156 | 190            | 32             | -              | 36             | 29   |  | 7642ACYAA |           |                               |           |           |           |
| G 1 5/8                                                          | - 11   | 49,5  | DIN 5156 | 190            | 32             | -              | 40             | 32   |  |           |           |                               |           |           |           |
| G 1 3/4                                                          | - 11   | 51    | DIN 5156 | 190            | 32             | -              | 40             | 32   |  |           |           |                               |           |           |           |

1) - Ø + 0,05 mm

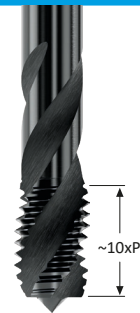
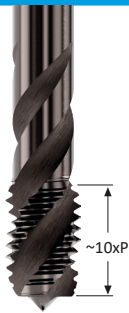
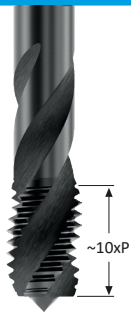
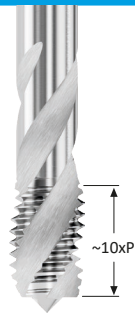
# NORIS SALOREX

ST

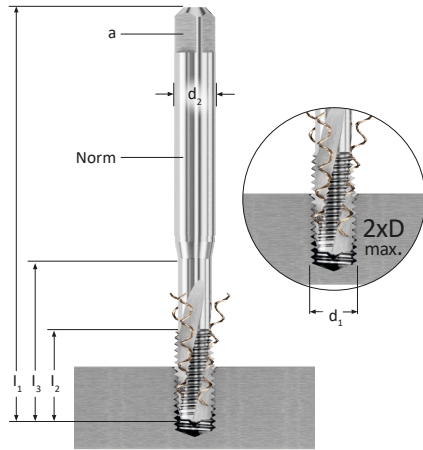
VA

VR

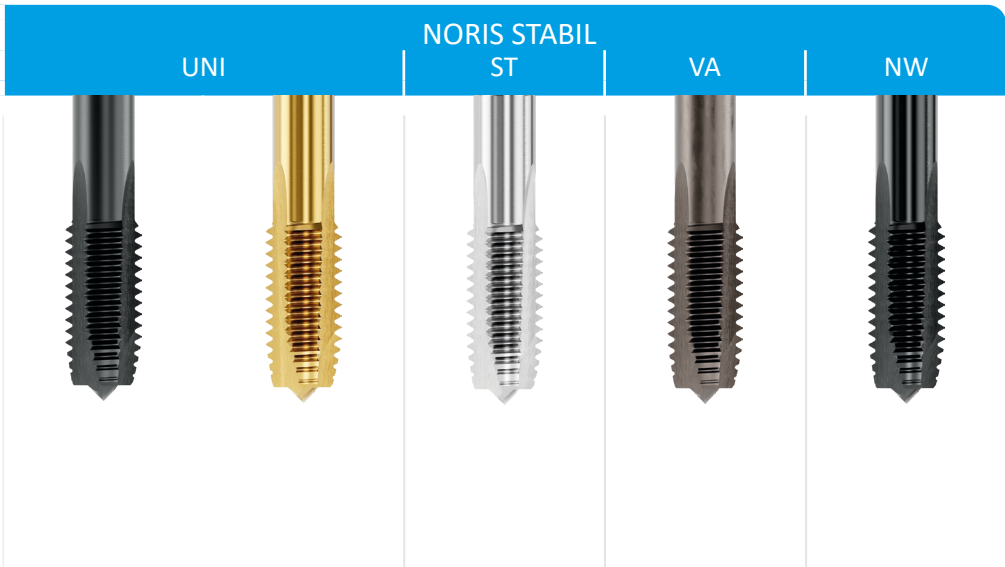
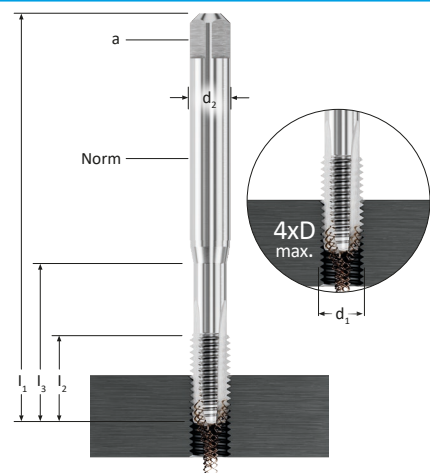
NW



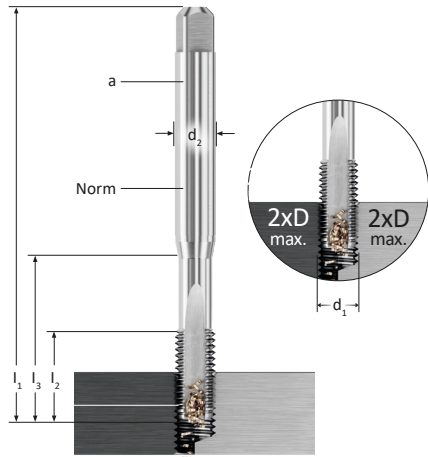
| -         | VAP       | ALTINHD   | TIBLU      |            | DLC       | d <sub>1</sub> - P/1" |
|-----------|-----------|-----------|------------|------------|-----------|-----------------------|
| HSSE      | HSSE      | HSSE      | HSSE-PM    |            | HSSE      |                       |
| C / 2-3   | E / 1,5-2 | E / 1,5-2 | C / 2-3    | E / 1,5-2  | C / 2-3   |                       |
| ISO 228 X | ISO 228 X | ISO 228 X | ISO 228 X  | ISO 228 X  | ISO 228 X |                       |
| 7640AB8AA | 7645AA6AA | 7645F0025 | 7655K00189 | 7655K00229 | 7641F0099 | G 1/16 - 28           |
| 7640AB9AA | 7645ABDAA | 7645F0026 | 7655K00188 | 7655K00228 | 7641F0100 | G 1/8 - 28            |
| 7640ACAAA | 7645ABVAA | 7645F0027 | 7655K00191 | 7655K00231 | 7641F0101 | G 1/4 - 19            |
| 7640ACBAA | 7645ABSAA | 7645F0028 | 7655K00187 | 7655K00227 | 7641F0102 | G 3/8 - 19            |
|           | 7645AA3AA |           |            |            |           | G 1/2 - 14            |
| 7640ACDAA | 7645ABPAA |           | 7655K00190 | 7655K00230 | 7641F0103 | G 5/8 - 14            |
|           |           |           |            |            |           | G 3/4 - 14            |
| 7640ACFAA | 7645ABGAA |           | 7655K00186 | 7655K00226 | 7641F0104 | G 7/8 - 14            |
| 7640ACGAA |           |           |            |            |           | G 1 - 11              |
| 7640ACHAA |           |           |            |            |           | G 1 1/8 - 11          |
| 7640ACIAA |           |           |            |            |           | G 1 1/4 - 11          |
| 7640ACJAA |           |           |            |            |           | G 1 3/8 - 11          |
| 7640A3595 |           |           |            |            |           | G 1 1/2 - 11          |
| 7640ACKAA |           |           |            |            |           | G 1 5/8 - 11          |
|           |           |           |            |            |           | G 1 3/4 - 11          |



| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |   |      |       |          |       |       |       |       |     | -         |
|------------------------------------------------------------------|---|------|-------|----------|-------|-------|-------|-------|-----|-----------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |   |      |       |          |       |       |       |       |     | HSSE      |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |   |      |       |          |       |       |       |       |     | C / 2-3   |
| $d_1$                                                            | - | P/1" |       | NORM     | $l_1$ | $l_2$ | $l_3$ | $d_2$ | a   | ISO 228 X |
| G 1/8                                                            | - | 28   | 8,8   | DIN 5156 | 90    | 18    | -     | 7     | 5,5 | 7600AF9AA |
| G 1/4                                                            | - | 19   | 11,8  | DIN 5156 | 100   | 22    | -     | 11    | 9   | 7600AGAAA |
| G 3/8                                                            | - | 19   | 15,25 | DIN 5156 | 100   | 22    | -     | 12    | 9   | 7600AGBAA |
| G 1/2                                                            | - | 14   | 19    | DIN 5156 | 125   | 25    | -     | 16    | 12  | 7600AGCAA |
| G 3/4                                                            | - | 14   | 24,5  | DIN 5156 | 140   | 28    | -     | 20    | 16  | 7600AGEAA |
| G 1                                                              | - | 11   | 30,75 | DIN 5156 | 160   | 30    | -     | 25    | 20  | 7600AGGAA |
| G 1 1/8                                                          | - | 11   | 35,5  | DIN 5156 | 170   | 30    | -     | 28    | 22  | 7600A3282 |
| G 1 1/4                                                          | - | 11   | 39,5  | DIN 5156 | 170   | 30    | -     | 32    | 24  | 7600AGIAA |
| G 1 3/8                                                          | - | 11   | 41,75 | DIN 5156 | 180   | 32    | -     | 36    | 29  | 7600AGJAA |
| G 1 1/2                                                          | - | 11   | 45,25 | DIN 5156 | 190   | 32    | -     | 36    | 29  | 7600AGKAA |



| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |        |       |          |                |                |                |                |     |  | NITVAP    | TIN       | -         | NIT       | DLC       |
|------------------------------------------------------------------|--------|-------|----------|----------------|----------------|----------------|----------------|-----|--|-----------|-----------|-----------|-----------|-----------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |        |       |          |                |                |                |                |     |  | HSSE      | HSSE      | HSSE      | HSSE      | HSSE      |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |        |       |          |                |                |                |                |     |  | B / 4-5   | B / 4-5   | B / 4-5   | B / 4-5   | B / 4-5   |
| d <sub>1</sub>                                                   | - P/1" |       | NORM     | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a   |  | ISO 228 X | ISO 228 X | ISO 228 X | ISO 228 X | ISO 228 X |
| G 1/8                                                            | - 28   | 8,8   | DIN 5156 | 90             | 18             | -              | 7              | 5,5 |  | 7560AD0AA | 7560A2248 | 7080AEYAA | 7535ABNAA | 7571F0053 |
| G 1/4                                                            | - 19   | 11,8  | DIN 5156 | 100            | 22             | -              | 11             | 9   |  | 7560AAEAB | 7560A2249 | 7080AEZAA | 7535ABPAA | 7571F0054 |
| G 3/8                                                            | - 19   | 15,25 | DIN 5156 | 100            | 22             | -              | 12             | 9   |  | 7560AD1AA | 7560A2250 | 7080AE0AA | 7535ABQAA | 7571F0055 |
| G 1/2                                                            | - 14   | 19    | DIN 5156 | 125            | 25             | -              | 16             | 12  |  | 7560AAFAB | 7560A2251 | 7080AE1AA | 7535ABRAA | 7571F0056 |
| G 3/4                                                            | - 14   | 24,5  | DIN 5156 | 140            | 28             | -              | 20             | 16  |  | 7560AD3AA |           | 7080AE3AA | 7535ABTAA | 7571F0057 |
| G 1                                                              | - 11   | 30,75 | DIN 5156 | 160            | 30             | -              | 25             | 20  |  | 7560AD5AA |           | 7080AE5AA | 7535ABVAA | 7571F0058 |
| G 1 1/8                                                          | - 11   | 35,5  | DIN 5156 | 170            | 30             | -              | 28             | 22  |  |           |           | 7080AE6AA |           |           |
| G 1 1/4                                                          | - 11   | 39,5  | DIN 5156 | 170            | 30             | -              | 32             | 24  |  |           |           | 7080AE7AA |           |           |
| G 1 3/8                                                          | - 11   | 41,75 | DIN 5156 | 180            | 32             | -              | 36             | 29  |  |           |           | 7080AE8AA |           |           |
| G 1 1/2                                                          | - 11   | 45,25 | DIN 5156 | 190            | 32             | -              | 36             | 29  |  |           |           | 7080AE9AA |           |           |
| G 1 5/8                                                          | - 11   | 49,5  | DIN 5156 | 190            | 32             | -              | 40             | 32  |  |           |           | 7080A1921 |           |           |
| G 1 3/4                                                          | - 11   | 51    | DIN 5156 | 190            | 32             | -              | 40             | 32  |  |           |           | 7080AFAAA |           |           |



| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |   |      |       |           |                |                |                |                |     | -         | NIT       | TICN       | -         |
|------------------------------------------------------------------|---|------|-------|-----------|----------------|----------------|----------------|----------------|-----|-----------|-----------|------------|-----------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |   |      |       |           |                |                |                |                |     | HSSE      | HSSE      | HSSE       | HM        |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |   |      |       |           |                |                |                |                |     | C / 2-3   | C / 2-3   | C / 2-3    | E / 1,5-2 |
| d <sub>1</sub>                                                   | - | P/1" |       | NORM      | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a   | ISO 228 X | ISO 228 X | ISO 228 X  | ISO 228 X |
| G 1/16                                                           | - | 28   | 6,8   | DIN 5156  | 90             | 17             | -              | 6              | 4,9 | 7100AGRAA |           |            |           |
|                                                                  |   |      |       | DIN 5157  | 63             | 18             | -              | 7              | 5,5 |           |           |            |           |
|                                                                  |   |      |       | ≈ DIN 371 | 90             | 18             | 35             | 10             | 8   |           |           |            |           |
| G 1/8                                                            | - | 28   | 8,8   | DIN 5156  | 90             | 18             | -              | 7              | 5,5 | 7100AFFAA | 7103A1034 | 7103B0451  | 7300B0740 |
|                                                                  |   |      |       | DIN 5157  | 70             | 20             | -              | 11             | 9   |           |           |            |           |
|                                                                  |   |      |       | ≈ DIN 371 | 110            | 24             | 44             | 14             | 11  |           |           |            |           |
| G 1/4                                                            | - | 19   | 11,8  | DIN 5156  | 100            | 22             | -              | 11             | 9   | 7100AFGAA | 7103A1035 | 7103B0452  | 7300B0741 |
|                                                                  |   |      |       | DIN 5157  | 70             | 20             | -              | 12             | 9   |           |           |            |           |
| G 3/8                                                            | - | 19   | 15,25 | DIN 5156  | 100            | 22             | -              | 12             | 9   | 7100AFHAA | 7103A1036 | 7103B0453  | 7300B0742 |
|                                                                  |   |      |       | DIN 5157  | 80             | 22             | -              | 16             | 12  |           |           |            |           |
| G 1/2                                                            | - | 14   | 19    | DIN 5156  | 125            | 25             | -              | 16             | 12  | 7100AFIAA | 7103A1037 | 7103B0454  | 7300B0743 |
|                                                                  |   |      |       | DIN 5157  | 90             | 22             | -              | 20             | 16  |           |           |            |           |
| G 3/4                                                            | - | 14   | 24,5  | DIN 5156  | 140            | 28             | -              | 20             | 16  | 7100AFKAA | 7103A1039 | 7103D00276 |           |
|                                                                  |   |      |       | DIN 5157  | 100            | 25             | -              | 25             | 20  |           |           |            |           |
| G 1                                                              | - | 11   | 30,75 | DIN 5156  | 160            | 30             | -              | 25             | 20  | 7100AFMAA | 7103A1041 | 7103D00277 |           |
|                                                                  |   |      |       | DIN 5157  | 170            | 30             | -              | 28             | 22  | 7100AFNAA | 7103A1042 |            |           |
| G 1 1/8                                                          | - | 11   | 35,5  | DIN 5156  | 125            | 30             | -              | 32             | 24  |           |           |            |           |
|                                                                  |   |      |       | DIN 5157  | 170            | 30             | -              | 32             | 24  | 7100AFPAA | 7103A1043 |            |           |
| G 1 1/4                                                          | - | 11   | 39,5  | DIN 5156  | 180            | 32             | -              | 36             | 29  | 7100AFQAA | 7103A1044 |            |           |
|                                                                  |   |      |       | DIN 5157  | 140            | 30             | -              | 36             | 29  |           |           |            |           |
| G 1 3/8                                                          | - | 11   | 41,75 | DIN 5156  | 190            | 32             | -              | 36             | 29  | 7100AFRAA | 7103A1045 |            |           |
|                                                                  |   |      |       | DIN 5157  | 190            | 32             | -              | 40             | 32  | 7100A1272 |           |            |           |
| G 1 1/2                                                          | - | 11   | 45,25 | DIN 5156  | 190            | 32             | -              | 40             | 32  |           |           |            |           |
|                                                                  |   |      |       | DIN 5157  | 190            | 32             | -              | 40             | 32  |           |           |            |           |
| G 1 5/8                                                          | - | 11   | 49,5  | DIN 5156  | 220            | 40             | -              | 45             | 35  |           |           |            |           |
|                                                                  |   |      |       | DIN 5157  | 220            | 40             | -              | 45             | 35  |           |           |            |           |
| G 1 3/4                                                          | - | 11   | 51    | DIN 5156  | 220            | 40             | -              | 45             | 35  |           |           |            |           |
|                                                                  |   |      |       | DIN 5157  | 220            | 40             | -              | 45             | 35  |           |           |            |           |
| G 2                                                              | - | 11   | 57    | DIN 5156  | 220            | 40             | -              | 45             | 35  |           |           |            |           |
|                                                                  |   |      |       | DIN 5157  | 220            | 40             | -              | 45             | 35  |           |           |            |           |



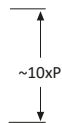
GG

NORIS TWIN  
MS

HT



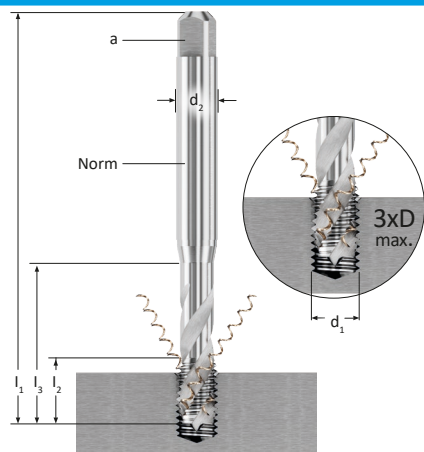
AUT



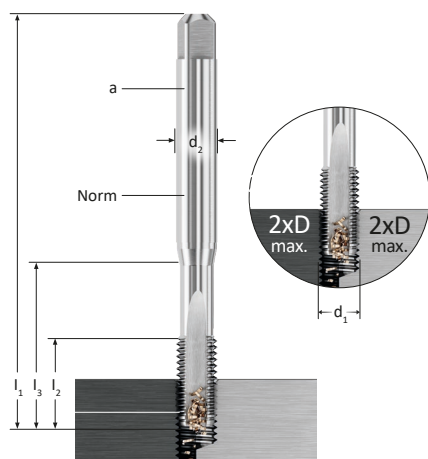
| NIT       | TICN      | -            | -                             | -                            | TICN      | ALTIN     |                       |
|-----------|-----------|--------------|-------------------------------|------------------------------|-----------|-----------|-----------------------|
| HSSE      | HSSE      | HSSE         | HSSE                          | HSSE                         | HSSE-PM   | HM        |                       |
| C / 2-3   | C / 2-3   | ekA / 1 max. | ekA / 1 max.                  | ekA / 1 max.                 | C / 2-3   | D / 4-5   |                       |
| ISO 228 X | ISO 228 X | ISO 228 X    | ISO 228 X +0,05 <sup>1)</sup> | ISO 228 X +0,1 <sup>2)</sup> | ISO 228 X | ISO 228 X | d <sub>1</sub> x P/1" |
|           |           |              |                               |                              |           |           | G 1/16 - 28           |
| 7200ABVAA | 7200B0471 | 5250F0074    | 5250F0053                     | 5250F0059                    |           | 6260AAGAA | G 1/8 - 28            |
|           |           | 5250F0073    | 5250F0054                     | 5250F0060                    | 710HF0008 |           |                       |
| 7200ABWAA | 7200B0472 |              |                               |                              |           | 6260E2188 | G 1/4 - 19            |
|           |           |              |                               |                              | 710HF0007 |           |                       |
| 7200ABXAA | 7200B0473 | 5250F0080    | 5250F0055                     | 5250F0061                    | 710HF0009 |           | G 3/8 - 19            |
|           |           | 5250F0081    | 5250F0056                     | 5250F0062                    |           |           |                       |
| 7200ABYAA | 7200B0474 |              |                               |                              | 710HF0010 |           | G 1/2 - 14            |
|           |           | 5250F0082    | 5250F0057                     | 5250F0063                    |           |           |                       |
| 7200AB0AA |           |              |                               |                              |           |           | G 3/4 - 14            |
|           |           | 5250F0083    | 5250F0058                     | 5250F0064                    |           |           |                       |
| 7200AB2AA |           |              |                               |                              |           |           | G 1 - 11              |
| 7200A1429 |           |              |                               |                              |           |           | G 1 1/8 - 11          |
|           |           | 5250F0099    |                               |                              |           |           | G 1 1/4 - 11          |
| 7200AB3AA |           |              |                               |                              |           |           | G 1 1/4 - 11          |
| 7200A1431 |           |              |                               |                              |           |           | G 1 3/8 - 11          |
|           |           | 5250F0098    |                               |                              |           |           | G 1 1/2 - 11          |
| 7200AB4AA |           |              |                               |                              |           |           | G 1 1/2 - 11          |
|           |           |              |                               |                              |           |           | G 1 5/8 - 11          |
|           |           |              |                               |                              |           |           | G 1 3/4 - 11          |
|           |           |              |                               |                              |           |           | G 2 - 11              |

1) - Ø + 0,05 mm

2) - Ø + 0,10 mm



| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |   |      |       |          |       |       |       |       |     | VAP       |
|------------------------------------------------------------------|---|------|-------|----------|-------|-------|-------|-------|-----|-----------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |   |      |       |          |       |       |       |       |     | HSSE      |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |   |      |       |          |       |       |       |       |     | E / 1,5-2 |
| $d_1$                                                            | - | P/1" |       | NORM     | $l_1$ | $l_2$ | $l_3$ | $d_2$ | a   | -         |
| RP 1/8                                                           | - | 28   | 8,6   | DIN 5156 | 90    | 18    | -     | 7     | 5,5 | 7642A1911 |
| RP 1/4                                                           | - | 19   | 11,5  | DIN 5156 | 100   | 22    | -     | 11    | 9   | 7642A1910 |
| RP 3/8                                                           | - | 19   | 15    | DIN 5156 | 100   | 22    | -     | 12    | 9   | 7642A1909 |
| RP 1/2                                                           | - | 14   | 18,5  | DIN 5156 | 125   | 25    | -     | 16    | 12  | 7642A1908 |
| RP 3/4                                                           | - | 14   | 24    | DIN 5156 | 140   | 28    | -     | 20    | 16  | 7642A1907 |
| RP 1                                                             | - | 11   | 30,25 | DIN 5156 | 160   | 30    | -     | 25    | 20  | 7642A1906 |



AUT

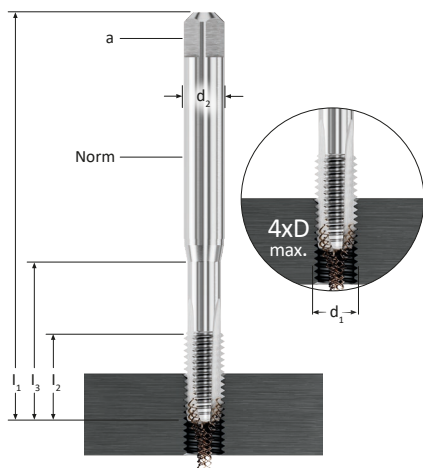
| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |     |      |    |                 |                                      |                |                |                |          |            | -         | -       | TICN                   | -                        | -                     |
|------------------------------------------------------------------|-----|------|----|-----------------|--------------------------------------|----------------|----------------|----------------|----------|------------|-----------|---------|------------------------|--------------------------|-----------------------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |     |      |    |                 |                                      |                |                |                |          |            | HSSE      | HSSE    | HSSE                   | HSSE                     | HSSE                  |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |     |      |    |                 |                                      |                |                |                |          |            | C / 2-3   | C / 2-3 | C / 2-3                | ekA / 1 max.             | ekA / 1 max.          |
| d <sub>1</sub>                                                   | -   | P/1" |    | NORM            | l <sub>1</sub>                       | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a        |            | X         | X       | X                      | X                        | X +0,05 <sup>1)</sup> |
| RP                                                               | 1/8 | -    | 28 | 8,6             | DIN 5156                             | 90             | 18             | -              | 7        | 5,5        | 7100AFYAA |         |                        |                          |                       |
| RP                                                               | 1/4 | -    | 19 | 11,5            | ≈ DIN 352<br>DIN 5156                | 70<br>100      | 20<br>22       | -              | 10<br>11 | 8<br>9     | 7100AFZAA |         |                        | 5250F0205                | 5250F0210             |
| RP                                                               | 3/8 | -    | 19 | 15              | ≈ DIN 352<br>DIN 5156                | 70<br>100      | 20<br>22       | -              | 12<br>12 | 9<br>9     | 7100AF0AA |         |                        | 5250F0206                | 5250F0211             |
| RP                                                               | 1/2 | -    | 14 | 18,5            | ≈ DIN 352<br>DIN 5156                | 80<br>125      | 22<br>25       | -              | 15<br>16 | 12<br>12   | 7100AF1AA |         |                        | 5250F0207                | 5250F0212             |
| RP                                                               | 3/4 | -    | 14 | 24              | ≈ DIN 352<br>DIN 5156                | 90<br>140      | 22<br>28       | -              | 18<br>20 | 14,5<br>16 | 7100AF2AA |         |                        | 5250F0208                | 5250F0213             |
| RP                                                               | 1   | -    | 11 | 30,25           | ≈ DIN 352<br>DIN 5156                | 100<br>160     | 25<br>30       | -              | 18<br>25 | 14,5<br>20 | 7100AF3AA |         |                        | 5250F0209                | 5250F0214             |
| RC                                                               | 1/8 | -    | 28 | - <sup>2)</sup> | ≈ DIN 2181<br>≈ DIN 371              | 63<br>90       | 12<br>12       | 26             | 10       | 8          | 5100A1925 |         |                        |                          |                       |
| RC                                                               | 1/4 | -    | 19 | - <sup>2)</sup> | ≈ DIN 2181<br>≈ DIN 371<br>≈ DIN 374 | 63<br>100      | 18<br>18       | 34,5           | 14       | 11         | 5100A1924 |         | 6102F0007              | 6103D00286               |                       |
| RC                                                               | 3/8 | -    | 19 | - <sup>2)</sup> | ≈ DIN 2181<br>≈ DIN 374              | 70<br>110      | 18<br>18       | -              | 14       | 11         | 5100A1923 |         | 6102F0008<br>7102F0020 | 6103D00287<br>7103D00288 |                       |
| RC                                                               | 1/2 | -    | 14 | - <sup>2)</sup> | ≈ DIN 2181<br>≈ DIN 374              | 80<br>140      | 23<br>23       | -              | 16       | 12         | 5100A1922 |         | 7102F0021              | 7103D00289               |                       |
| RC                                                               | 3/4 | -    | 14 | - <sup>2)</sup> | ≈ DIN 2181<br>≈ DIN 374              | 100<br>150     | 24<br>24       | -              | 20       | 16         | 5100A1921 |         | 7102F0022              | 7103D00290               |                       |
| RC                                                               | 1   | -    | 11 | - <sup>2)</sup> | ≈ DIN 2181<br>≈ DIN 374              | 110<br>170     | 30<br>30       | -              | 25       | 20         | 5100A1920 |         |                        | 7103D00291               |                       |
|                                                                  |     |      |    |                 |                                      |                |                |                |          |            |           |         |                        | 7103D00292               |                       |

1) - Ø + 0,05 mm

2) Gewinde-Kernlochdurchmesser-Tabelle => Seite 238  
Threaded Core Hole Diameter Table => Page 238  
Tableau des diamètres des trous de filetage => Page 238  
Tabella dei diametri dei fori filettati => Pagina 238

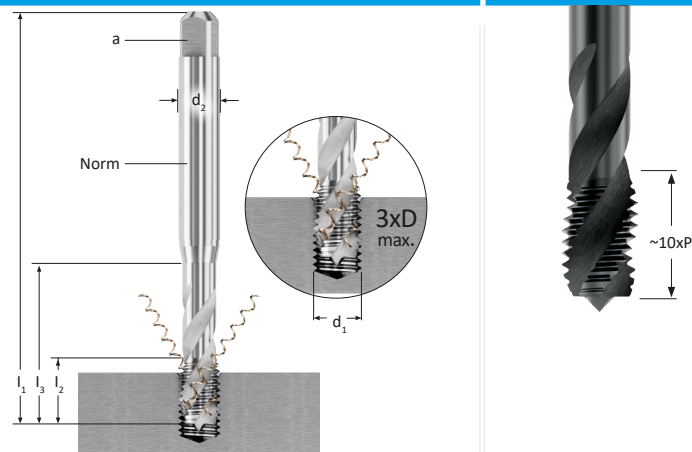
# BSW BS 84

## NORIS STABIL UNI



# BSW BS 84

## NORIS SALOREX UNI



OBERFLÄCHE / SURFACE  
SURFACE / SUPERFICIE

SCHNEIDSTOFF / MATERIAL  
MATIÈRE / MATERIALE

ANSCHNITTFORM / CHAMFER FORM  
FORME D'ENTRÉE / FORMA D'IMBOCCO

NITVAP

HSSE

B / 4-5

| d <sub>1</sub> | - P/1" | NORM           | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a    |
|----------------|--------|----------------|----------------|----------------|----------------|----------------|------|
| BSW 1/8        | - 40   | 2,55 ≈ DIN 371 | 56             | 11             | 18             | 3,5            | 2,7  |
| BSW 3/16       | - 24   | 3,7 ≈ DIN 371  | 70             | 15             | 25             | 6              | 4,9  |
| BSW 1/4        | - 20   | 5,1 ≈ DIN 371  | 80             | 17             | 30             | 7              | 5,5  |
| BSW 5/16       | - 18   | 6,5 ≈ DIN 371  | 90             | 20             | 35             | 8              | 6,2  |
| BSW 3/8        | - 16   | 7,9 ≈ DIN 371  | 100            | 22             | 39             | 10             | 8    |
| BSW 7/16       | - 14   | 9,25 ≈ DIN 376 | 100            | 22             | -              | 8              | 6,2  |
| BSW 1/2        | - 12   | 10,5 ≈ DIN 376 | 110            | 25             | -              | 9              | 7    |
| BSW 5/8        | - 11   | 13,5 ≈ DIN 376 | 110            | 27             | -              | 12             | 9    |
| BSW 3/4        | - 10   | 16,4 ≈ DIN 376 | 125            | 30             | -              | 14             | 11   |
| BSW 1          | - 8    | 22 ≈ DIN 376   | 160            | 36             | -              | 18             | 14,5 |

MED

OBERFLÄCHE / SURFACE  
SURFACE / SUPERFICIE

SCHNEIDSTOFF / MATERIAL  
MATIÈRE / MATERIALE

ANSCHNITTFORM / CHAMFER FORM  
FORME D'ENTRÉE / FORMA D'IMBOCCO

VAP

HSSE

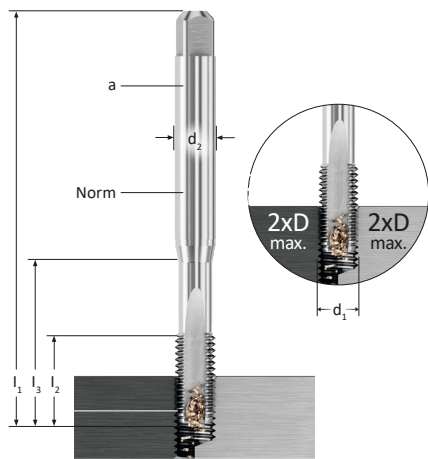
C / 2-3

| d <sub>1</sub> | - P/1" | NORM           | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a    |
|----------------|--------|----------------|----------------|----------------|----------------|----------------|------|
| BSW 1/8        | - 40   | 2,55 ≈ DIN 371 | 56             | 11             | 18             | 3,5            | 2,7  |
| BSW 3/16       | - 24   | 3,7 ≈ DIN 371  | 70             | 15             | 25             | 6              | 4,9  |
| BSW 1/4        | - 20   | 5,1 ≈ DIN 371  | 80             | 17             | 30             | 7              | 5,5  |
| BSW 5/16       | - 18   | 6,5 ≈ DIN 371  | 90             | 20             | 35             | 8              | 6,2  |
| BSW 3/8        | - 16   | 7,9 ≈ DIN 371  | 100            | 22             | 39             | 10             | 8    |
| BSW 7/16       | - 14   | 9,25 ≈ DIN 376 | 100            | 22             | -              | 8              | 6,2  |
| BSW 1/2        | - 12   | 10,5 ≈ DIN 376 | 110            | 25             | -              | 9              | 7    |
| BSW 5/8        | - 11   | 13,5 ≈ DIN 376 | 110            | 27             | -              | 12             | 9    |
| BSW 3/4        | - 10   | 16,4 ≈ DIN 376 | 125            | 30             | -              | 14             | 11   |
| BSW 1          | - 8    | 22 ≈ DIN 376   | 160            | 36             | -              | 18             | 14,5 |

MED

# BSF BS 84

## NORIS TWIN ST



OBERFLÄCHE / SURFACE  
SURFACE / SUPERFICIE

SCHNEIDSTOFF / MATERIAL  
MATIÈRE / MATERIALE

ANSCHNITTFORM / CHAMFER FORM  
FORME D'ENTRÉE / FORMA D'IMBOCCO

-

HSSE

C / 2-3

| d <sub>1</sub> | - P/1" | NORM            | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a    |
|----------------|--------|-----------------|----------------|----------------|----------------|----------------|------|
| BSF 1/4        | - 26   | 5,3 ≈ DIN 371   | 80             | 17             | 30             | 7              | 5,5  |
| BSF 5/16       | - 22   | 6,8 ≈ DIN 371   | 90             | 17             | 35             | 8              | 6,2  |
| BSF 3/8        | - 20   | 8,3 ≈ DIN 371   | 100            | 18             | 39             | 10             | 8    |
| BSF 7/16       | - 18   | 9,7 ≈ DIN 376   | 100            | 22             | -              | 8              | 6,2  |
| BSF 1/2        | - 16   | 11,1 ≈ DIN 376  | 110            | 22             | -              | 9              | 7    |
| BSF 5/8        | - 14   | 14,0 ≈ DIN 376  | 110            | 27             | -              | 12             | 9    |
| BSF 3/4        | - 12   | 16,75 ≈ DIN 376 | 125            | 27             | -              | 14             | 11   |
| BSF 1          | - 10   | 22,75 ≈ DIN 376 | 160            | 36             | -              | 18             | 14,5 |

MED-X



# SOLUTIONS@NORIS-REIME.DE

Das REIME Team steht Ihnen bei der Lösung Ihrer Zerspanungsaufgabe gerne zur Seite

The REIME team will be happy to solve your threading tasks

L'équipe de REIME se tient à votre disposition pour résoudre vos problèmes de filetage

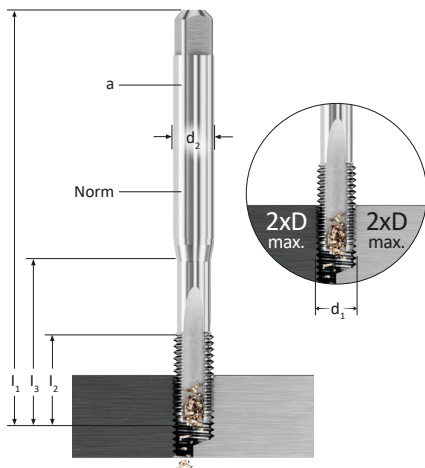
Il team REIME sarà lieto di risolvere i vostri problemi di filettatura

# NPT | NPTF

ST

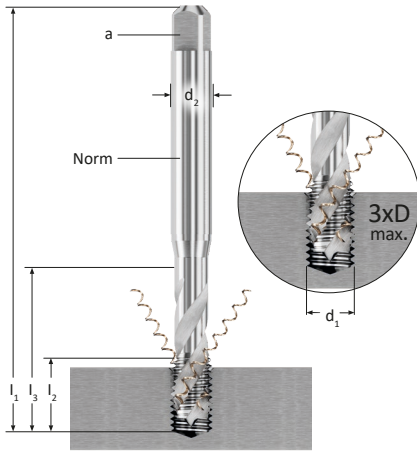
NORIS TWIN

VG



| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |        |        |                 |                |                |                |                |     |           | -         | -       | -         | -         |
|------------------------------------------------------------------|--------|--------|-----------------|----------------|----------------|----------------|----------------|-----|-----------|-----------|---------|-----------|-----------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |        |        |                 |                |                |                |                |     |           | HSSE      | HSSE    | HSSE      | HSSE      |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |        |        |                 |                |                |                |                |     |           | C / 2-3   | C / 2-3 | C / 2-3   | C / 2-3   |
| d <sub>1</sub>                                                   | - P/1" |        | NORM            | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a   |           | -         | -       | -         | -         |
| NPT                                                              | 1/16   | - 27   | - <sup>1)</sup> | ≈ DIN 2181 63  | 12             | -              | 6              | 4,9 | 5100AAAA  |           |         |           |           |
|                                                                  |        |        |                 | ≈ DIN 371 90   | 12             | 26             | 8              | 6,2 | 6100A1732 |           |         | 6102A1884 | 6112A1888 |
| NPT                                                              | 1/8    | - 27   | - <sup>1)</sup> | ≈ DIN 2181 63  | 12             | -              | 7              | 5,5 | 5100AABAA | 5110AABAA |         |           |           |
|                                                                  |        |        |                 | ≈ DIN 371 90   | 12             | 26             | 10             | 8   | 6100A1733 |           |         | 6102A1885 | 6112A1887 |
| NPT                                                              | 1/4    | - 18   | - <sup>1)</sup> | ≈ DIN 2181 63  | 18             | -              | 11             | 9   | 5100AACAA | 5110AACAA |         |           |           |
|                                                                  |        |        |                 | ≈ DIN 371 100  | 18             | 34,5           | 14             | 11  | 6100F0007 |           |         | 6102A1886 | 6112A1898 |
| NPT                                                              | 3/8    | - 18   | - <sup>1)</sup> | ≈ DIN 2181 70  | 18             | -              | 12             | 9   | 5100AADAA | 5110AADAA |         |           |           |
|                                                                  |        |        |                 | ≈ DIN 374 110  | 18             | -              | 14             | 11  | 7100AIGAB |           |         | 7102A1890 | 7112A1896 |
| NPT                                                              | 1/2    | - 14   | - <sup>1)</sup> | ≈ DIN 2181 80  | 23             | -              | 16             | 12  | 5100AAEAA | 5110AAEAA |         |           |           |
|                                                                  |        |        |                 | ≈ DIN 374 140  | 23             | -              | 16             | 12  | 7100AIEAH |           |         | 7102A1891 | 7112A1893 |
| NPT                                                              | 3/4    | - 14   | - <sup>1)</sup> | ≈ DIN 2181 100 | 24             | -              | 20             | 16  | 5100AAFAA | 5110AAFAA |         |           |           |
|                                                                  |        |        |                 | ≈ DIN 374 150  | 24             | -              | 20             | 16  | 7100AIFAE |           |         | 7102A1892 | 7112A1894 |
| NPT                                                              | 1      | - 11,5 | - <sup>1)</sup> | ≈ DIN 2181 110 | 30             | -              | 25             | 20  | 5100AAGAA | 5110AAGAA |         |           |           |
|                                                                  |        |        |                 | ≈ DIN 374 170  | 30             | -              | 25             | 20  | 7100AIHAD |           |         | 7102A1889 | 7112A1895 |
| NPTF                                                             | 1/16   | - 27   | - <sup>1)</sup> | ≈ DIN 2181 63  | 12             | -              | 6              | 4,9 | 5100AAKAA |           |         |           |           |
|                                                                  |        |        |                 | ≈ DIN 371 90   | 12             | 26             | 8              | 6,2 | 6100A1740 |           |         | 6102A1899 |           |
| NPTF                                                             | 1/8    | - 27   | - <sup>1)</sup> | ≈ DIN 2181 63  | 12             | -              | 7              | 5,5 | 5100AALAA |           |         |           |           |
|                                                                  |        |        |                 | ≈ DIN 371 90   | 12             | 26             | 10             | 8   | 6100A1741 |           |         | 6102A1900 |           |
| NPTF                                                             | 1/4    | - 18   | - <sup>1)</sup> | ≈ DIN 2181 63  | 18             | -              | 11             | 9   | 5100AAMAA |           |         |           |           |
|                                                                  |        |        |                 | ≈ DIN 371 100  | 18             | 34,5           | 14             | 11  | 6100A1742 |           |         | 6102A1901 |           |
| NPTF                                                             | 3/8    | - 18   | - <sup>1)</sup> | ≈ DIN 2181 70  | 18             | -              | 12             | 9   | 5100AANAA |           |         |           |           |
|                                                                  |        |        |                 | ≈ DIN 374 110  | 18             | -              | 14             | 11  | 7100A1743 |           |         | 7102A1905 |           |
| NPTF                                                             | 1/2    | - 14   | - <sup>1)</sup> | ≈ DIN 2181 80  | 23             | -              | 16             | 12  | 5100AAPAA |           |         |           |           |
|                                                                  |        |        |                 | ≈ DIN 374 140  | 23             | -              | 16             | 12  | 7100A1744 |           |         | 7102A1904 |           |
| NPTF                                                             | 3/4    | - 14   | - <sup>1)</sup> | ≈ DIN 2181 100 | 24             | -              | 20             | 16  | 5100AAQAA |           |         |           |           |
|                                                                  |        |        |                 | ≈ DIN 374 150  | 24             | -              | 20             | 16  | 7100A1745 |           |         | 7102A1903 |           |
| NPTF                                                             | 1      | - 11,5 | - <sup>1)</sup> | ≈ DIN 374 170  | 30             | -              | 25             | 20  | 7100A1746 |           |         | 7102A1902 |           |

1) Gewinde-Kernlochdurchmesser-Tabelle => NPT Seite 240 | NPTF Seite 242  
 Threaded Core Hole Diameter Table => NPT Page 240 | NPTF Page 242  
 Tableau des diamètres des trous de filetage => NPT Page 240 | NPTF Page 242  
 Tabella dei diametri dei fori filettati => NPT Pagina 240 | NPTF Pagina 242



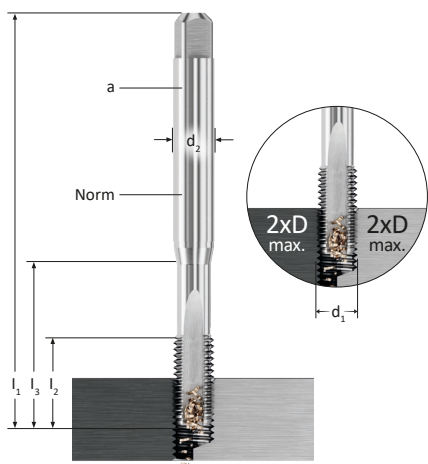
| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |        |        |                 |                |                |                |                |    |     | VAP       | TIN       |
|------------------------------------------------------------------|--------|--------|-----------------|----------------|----------------|----------------|----------------|----|-----|-----------|-----------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |        |        |                 |                |                |                |                |    |     | HSSE      | HSSE      |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |        |        |                 |                |                |                |                |    |     | C / 2-3   | E / 1,5-2 |
| d <sub>1</sub>                                                   | - P/1" |        | NORM            | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a  |     | -         | -         |
| NPT                                                              | 1/16   | - 27   | - <sup>1)</sup> | ≈ DIN 371      | 90             | 12             | 26             | 8  | 6,2 | 6605AAHAA |           |
| NPT                                                              | 1/8    | - 27   | - <sup>1)</sup> | ≈ DIN 371      | 90             | 12             | 26             | 10 | 8   |           | 6645AFGAA |
| NPT                                                              | 1/4    | - 18   | - <sup>1)</sup> | ≈ DIN 371      | 100            | 18             | 34,5           | 14 | 11  | 6605AAJAA | 6645AFHAA |
| NPT                                                              | 3/8    | - 18   | - <sup>1)</sup> | ≈ DIN 374      | 110            | 18             | -              | 14 | 11  | 7605F0001 | 7645A1950 |
| NPT                                                              | 1/2    | - 14   | - <sup>1)</sup> | ≈ DIN 374      | 140            | 23             | -              | 16 | 12  | 7605F0003 | 7645A1951 |
| NPT                                                              | 3/4    | - 14   | - <sup>1)</sup> | ≈ DIN 374      | 150            | 24             | -              | 20 | 16  | 7605A5086 |           |
| NPT                                                              | 1      | - 11,5 | - <sup>1)</sup> | ≈ DIN 374      | 170            | 30             | -              | 25 | 20  | 7605A5088 |           |
| NPTF                                                             | 1/16   | - 27   | - <sup>1)</sup> | ≈ DIN 371      | 90             | 12             | 26             | 8  | 6,2 | 6605AANAA |           |
| NPTF                                                             | 1/8    | - 27   | - <sup>1)</sup> | ≈ DIN 371      | 90             | 12             | 26             | 10 | 8   | 6605AAPAA |           |
| NPTF                                                             | 1/4    | - 18   | - <sup>1)</sup> | ≈ DIN 371      | 100            | 18             | 34,5           | 14 | 11  | 6605AAQAA |           |
| NPTF                                                             | 3/8    | - 18   | - <sup>1)</sup> | ≈ DIN 374      | 110            | 18             | -              | 14 | 11  | 7605A5096 |           |
| NPTF                                                             | 1/2    | - 14   | - <sup>1)</sup> | ≈ DIN 374      | 140            | 23             | -              | 16 | 12  | 7605A5098 |           |
| NPTF                                                             | 3/4    | - 14   | - <sup>1)</sup> | ≈ DIN 374      | 150            | 24             | -              | 20 | 16  | 7605A5099 |           |

1) Gewinde-Kernlochdurchmesser-Tabelle => NPT Seite 240 | NPTF Seite 242  
 Threaded Core Hole Diameter Table => NPT Page 240 | NPTF Page 242  
 Tableau des diamètres des trous de filetage => NPT Page 240 | NPTF Page 242  
 Tabella dei diametri dei fori filettati => NPT Pagina 240 | NPTF Pagina 242



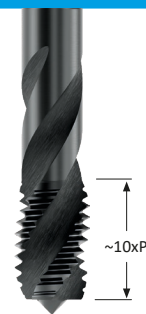
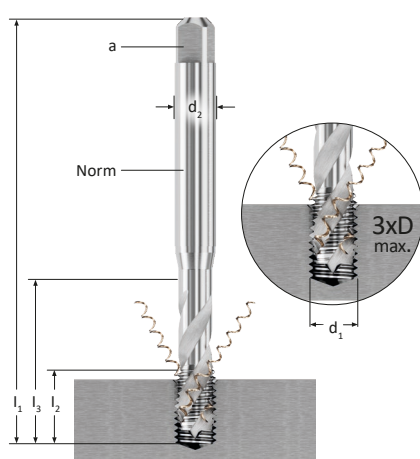
# NPSM | NPSF

NORIS  
TWIN ST



# NPSM | NPSF

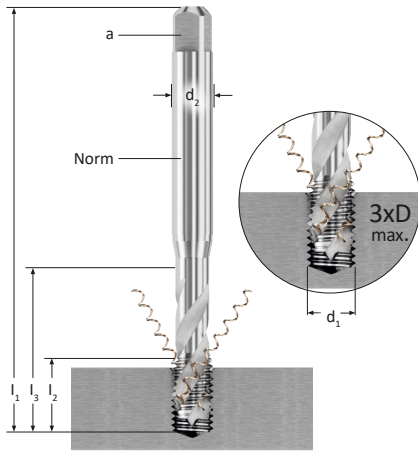
NORIS  
SALOREX UNI



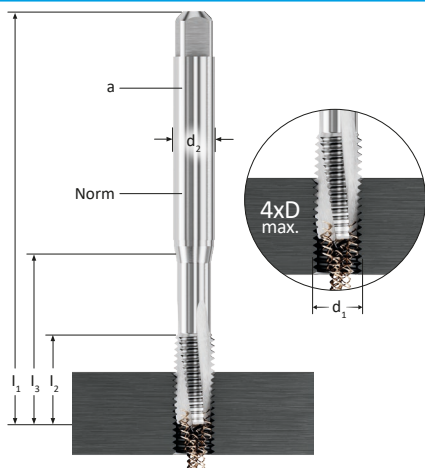
| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |   |      |                                                                                   |            |                |                |                |                |     |           | -       |
|------------------------------------------------------------------|---|------|-----------------------------------------------------------------------------------|------------|----------------|----------------|----------------|----------------|-----|-----------|---------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |   |      |                                                                                   |            |                |                |                |                |     |           | HSSE    |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |   |      |                                                                                   |            |                |                |                |                |     |           | C / 2-3 |
| d <sub>1</sub>                                                   | - | P/1" |  | NORM       | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a   | X         |         |
| NPSM 1/8                                                         | - | 27   | 9,1                                                                               | ≈ DIN 5156 | 90             | 18             | -              | 7              | 5,5 | 7100AF7AA |         |
| NPSM 1/4                                                         | - | 18   | 12                                                                                | ≈ DIN 5156 | 100            | 22             | -              | 11             | 9   | 7100AF8AA |         |
| NPSM 3/8                                                         | - | 18   | 15,5                                                                              | ≈ DIN 5156 | 100            | 22             | -              | 12             | 9   | 7100AGEAA |         |
| NPSM 1/2                                                         | - | 14   | 19                                                                                | ≈ DIN 5156 | 125            | 25             | -              | 16             | 12  | 7100AGFAA |         |
| NPSM 3/4                                                         | - | 14   | 24,5                                                                              | ≈ DIN 5156 | 140            | 28             | -              | 20             | 16  | 7100AGDAA |         |
| NPSM 1                                                           | - | 11,5 | 30,5                                                                              | ≈ DIN 5156 | 160            | 30             | -              | 25             | 20  | 7100AF9AA |         |
|                                                                  |   |      |                                                                                   |            |                |                |                |                |     |           | X       |
| NPSF 1/16                                                        | - | 27   | 6,35                                                                              | ≈ DIN 5156 | 90             | 17             | -              | 6              | 4,9 | 7100A1308 |         |
| NPSF 1/8                                                         | - | 27   | 8,7                                                                               | ≈ DIN 5156 | 90             | 18             | -              | 7              | 5,5 | 7100A1309 |         |
| NPSF 1/4                                                         | - | 18   | 11,3                                                                              | ≈ DIN 5156 | 100            | 22             | -              | 11             | 9   | 7100A1310 |         |
| NPSF 3/8                                                         | - | 18   | 14,75                                                                             | ≈ DIN 5156 | 100            | 22             | -              | 12             | 9   | 7100A1311 |         |
| NPSF 1/2                                                         | - | 14   | 18,2                                                                              | ≈ DIN 5156 | 125            | 25             | -              | 16             | 12  | 7100A1312 |         |
| NPSF 3/4                                                         | - | 14   | 23,5                                                                              | ≈ DIN 5156 | 140            | 28             | -              | 20             | 16  | 7100A1313 |         |
| NPSF 1                                                           | - | 11,5 | 29,5                                                                              | ≈ DIN 5156 | 160            | 30             | -              | 25             | 20  | 7100A1314 |         |

| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |   |      |                                                                                     |            |                |                |                |                |     |           | VAP       |
|------------------------------------------------------------------|---|------|-------------------------------------------------------------------------------------|------------|----------------|----------------|----------------|----------------|-----|-----------|-----------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |   |      |                                                                                     |            |                |                |                |                |     |           | HSSE      |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |   |      |                                                                                     |            |                |                |                |                |     |           | E / 1,5-2 |
| d <sub>1</sub>                                                   | - | P/1" |  | NORM       | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a   | -         |           |
| NPSM 1/8                                                         | - | 27   | 9,1                                                                                 | = DIN 5156 | 90             | 18             | -              | 7              | 5,5 | 7642A1937 |           |
| NPSM 1/4                                                         | - | 18   | 12                                                                                  | = DIN 5156 | 100            | 22             | -              | 11             | 9   | 7642A1938 |           |
| NPSM 3/8                                                         | - | 18   | 15,5                                                                                | = DIN 5156 | 100            | 22             | -              | 12             | 9   | 7642A1939 |           |
| NPSM 1/2                                                         | - | 14   | 19                                                                                  | = DIN 5156 | 125            | 25             | -              | 16             | 12  | 7642A1940 |           |
| NPSM 3/4                                                         | - | 14   | 24,5                                                                                | = DIN 5156 | 140            | 28             | -              | 20             | 16  | 7642A1941 |           |
| NPSM 1                                                           | - | 11,5 | 30,5                                                                                | = DIN 5156 | 160            | 30             | -              | 25             | 20  |           |           |
|                                                                  |   |      |                                                                                     |            |                |                |                |                |     |           |           |
| NPSF 1/16                                                        | - | 27   | 6,35                                                                                | = DIN 5156 | 90             | 17             | -              | 6              | 4,9 |           |           |
| NPSF 1/8                                                         | - | 27   | 8,7                                                                                 | = DIN 5156 | 90             | 18             | -              | 7              | 5,5 | 7642A1931 |           |
| NPSF 1/4                                                         | - | 18   | 11,3                                                                                | = DIN 5156 | 100            | 22             | -              | 11             | 9   | 7642A1932 |           |
| NPSF 3/8                                                         | - | 18   | 14,75                                                                               | = DIN 5156 | 100            | 22             | -              | 12             | 9   | 7642A1933 |           |
| NPSF 1/2                                                         | - | 14   | 18,2                                                                                | = DIN 5156 | 125            | 25             | -              | 16             | 12  | 7642A1934 |           |
| NPSF 3/4                                                         | - | 14   | 23,5                                                                                | = DIN 5156 | 140            | 28             | -              | 20             | 16  | 7642A1935 |           |
| NPSF 1                                                           | - | 11,5 | 29,5                                                                                | = DIN 5156 | 160            | 30             | -              | 25             | 20  |           |           |

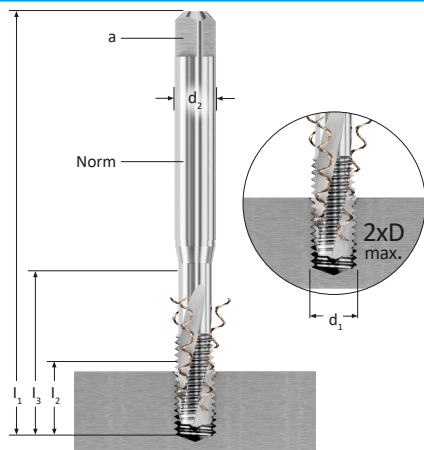
NPSM auch für NPSC und NPS verwendbar | NPSM also suitable for NPSC and NPS | NPSM convient également pour NPSC et NPS | NPSM adatto anche per NPSC e NPS



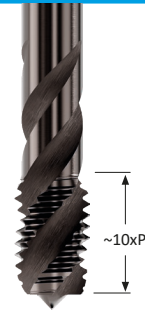
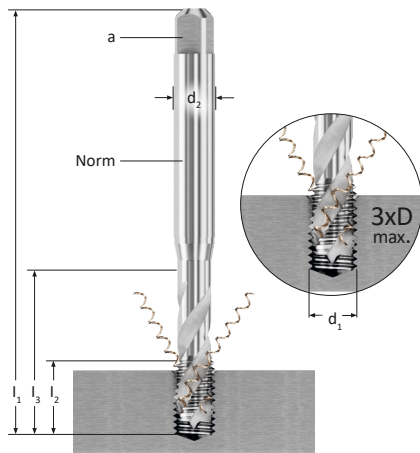
| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |       |      |      |      |                |                |                |                |     | DLC     |              |
|------------------------------------------------------------------|-------|------|------|------|----------------|----------------|----------------|----------------|-----|---------|--------------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |       |      |      |      |                |                |                |                |     | HSSE    |              |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |       |      |      |      |                |                |                |                |     | C / 2-3 |              |
| d <sub>1</sub>                                                   | x     | P    |      | NORM | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a   | ISO1    |              |
| MJ                                                               | 3     | x    | 0,5  | 2,6  | DIN 371        | 56             | 5              | 18             | 3,5 | 2,7     | 664SS0523511 |
| MJ                                                               | 4     | x    | 0,7  | 3,4  | DIN 371        | 63             | 7              | 21             | 4,5 | 3,4     | 664SS0523512 |
| MJ                                                               | 5     | x    | 0,8  | 4,3  | DIN 371        | 70             | 8              | 25             | 6   | 4,9     | 664SS0523513 |
| MJ                                                               | 6     | x    | 1    | 5,1  | DIN 371        | 80             | 10             | 30             | 6   | 4,9     | 664SS0523515 |
| MJ                                                               | 8     | x    | 1    | 7,1  | DIN 371        | 90             | 10             | 35             | 8   | 6,2     | 664SS0523516 |
| MJ                                                               | 8     | x    | 1,25 | 6,9  | DIN 371        | 90             | 14             | 35             | 8   | 6,2     | 664SS0523518 |
| MJ                                                               | 10    | x    | 1,25 | 8,9  | DIN 371        | 100            | 14             | 39             | 10  | 8       | 664SS0523520 |
| d <sub>1</sub>                                                   | -     | P/1" |      | NORM | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a   | 3B      |              |
| UNJC                                                             | NR 4  | -    | 40   | 2,3  | ≈ DIN 371      | 56             | 6              | 18             | 3,5 | 2,7     | 664SF0004    |
| UNJC                                                             | NR 6  | -    | 32   | 2,85 | ≈ DIN 371      | 56             | 7              | 20             | 4   | 3       | 664SF0005    |
| UNJC                                                             | NR 8  | -    | 32   | 3,5  | ≈ DIN 371      | 63             | 8              | 21             | 4,5 | 3,4     | 664SF0006    |
| UNJC                                                             | NR 10 | -    | 24   | 3,9  | ≈ DIN 371      | 70             | 10             | 25             | 6   | 4,9     | 664SF0007    |
| UNJC                                                             | 1/4   | -    | 20   | 5,25 | ≈ DIN 371      | 80             | 13             | 30             | 7   | 5,5     | 664SF0008    |
| UNJC                                                             | 5/16  | -    | 18   | 6,7  | ≈ DIN 371      | 90             | 14             | 35             | 8   | 6,2     | 664SF0009    |
| d <sub>1</sub>                                                   | -     | P/1" |      | NORM | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a   | 3B      |              |
| UNJF                                                             | NR 4  | -    | 48   | 2,4  | ≈ DIN 371      | 56             | 6              | 18             | 3,5 | 2,7     | 664SF0010    |
| UNJF                                                             | NR 6  | -    | 40   | 3    | ≈ DIN 371      | 56             | 7              | 20             | 4   | 3       | 664SF0011    |
| UNJF                                                             | NR 8  | -    | 36   | 3,55 | ≈ DIN 371      | 63             | 8              | 21             | 4,5 | 3,4     | 664SF0012    |
| UNJF                                                             | NR 10 | -    | 32   | 4,15 | ≈ DIN 371      | 70             | 10             | 25             | 6   | 4,9     | 664SF0013    |
| UNJF                                                             | 1/4   | -    | 28   | 5,55 | ≈ DIN 371      | 80             | 13             | 30             | 7   | 5,5     | 664SF0014    |
| UNJF                                                             | 5/16  | -    | 24   | 7    | ≈ DIN 371      | 90             | 14             | 35             | 8   | 6,2     | 664SF0015    |



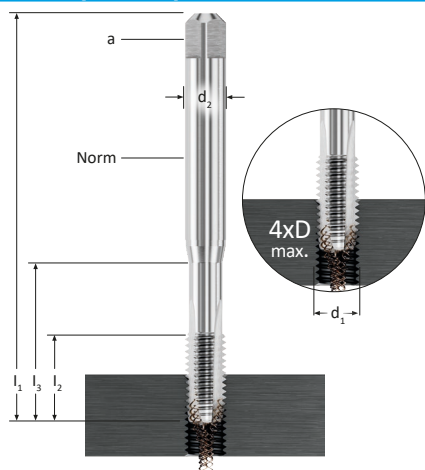
| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |       |      |      |      |                |                |                |                |     |     | TICN      | TICN         |
|------------------------------------------------------------------|-------|------|------|------|----------------|----------------|----------------|----------------|-----|-----|-----------|--------------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |       |      |      |      |                |                |                |                |     |     | HSSE      | HSSE-PM      |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |       |      |      |      |                |                |                |                |     |     | D / 4-5   | D / 4-5      |
| d <sub>1</sub>                                                   | x     | P    |      | NORM | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a   |     | ISO1X     | ISO1X        |
| MJ                                                               | 3     | x    | 0,5  | 2,6  | DIN 371        | 56             | 11             | 18             | 3,5 | 2,7 | 6504A1848 | 6507B0082    |
| MJ                                                               | 4     | x    | 0,7  | 3,4  | DIN 371        | 63             | 13             | 21             | 4,5 | 3,4 | 6504A1849 | 6507B0083    |
| MJ                                                               | 5     | x    | 0,8  | 4,3  | DIN 371        | 70             | 15             | 25             | 6   | 4,9 | 6504A1850 | 6507B0084    |
| MJ                                                               | 6     | x    | 1    | 5,1  | DIN 371        | 80             | 17             | 30             | 6   | 4,9 | 6504A1851 | 6507B0085    |
| MJ                                                               | 8     | x    | 1    | 7,1  | DIN 371        | 90             | 17             | 35             | 8   | 6,2 | 6504A1852 | 6507B0086    |
| MJ                                                               | 8     | x    | 1,25 | 6,9  | DIN 371        | 90             | 20             | 35             | 8   | 6,2 | 6504A1854 | 6507B0088    |
| MJ                                                               | 10    | x    | 1,25 | 8,9  | DIN 371        | 100            | 18             | 39             | 10  | 8   | 6504A1853 | 6507B0087    |
| MJ                                                               | 10    | x    | 1,25 | 8,9  | DIN 371        | 100            | 22             | 39             | 10  | 8   | 6504A1855 | 6507B0089    |
| d <sub>1</sub>                                                   | -     | P/1" |      | NORM | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a   |     | 3BX       | 3BX          |
| UNJC                                                             | NR 4  | -    | 40   | 2,3  | ≈ DIN 371      | 56             | 11             | 18             | 3,5 | 2,7 | 6504B0102 | 6507S0521849 |
| UNJC                                                             | NR 6  | -    | 32   | 2,85 | ≈ DIN 371      | 56             | 12             | 20             | 4   | 3   | 6504B0103 | 6507S0521854 |
| UNJC                                                             | NR 8  | -    | 32   | 3,5  | ≈ DIN 371      | 63             | 13             | 21             | 4,5 | 3,4 | 6504B0104 | 6507S0521857 |
| UNJC                                                             | NR 10 | -    | 24   | 3,9  | ≈ DIN 371      | 70             | 15             | 25             | 6   | 4,9 | 6504B0105 | 6507S0521859 |
| UNJC                                                             | 1/4   | -    | 20   | 5,25 | ≈ DIN 371      | 80             | 17             | 30             | 7   | 5,5 | 6504B0106 | 6507S0521860 |
| UNJC                                                             | 5/16  | -    | 18   | 6,7  | ≈ DIN 371      | 90             | 20             | 35             | 8   | 6,2 | 6504B0107 | 6507S0087909 |
| UNJC                                                             | 3/8   | -    | 16   | 8,1  | ≈ DIN 371      | 100            | 22             | 39             | 10  | 8   | 6504B0108 |              |
| d <sub>1</sub>                                                   | -     | P/1" |      | NORM | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a   |     | 3BX       | 3BX          |
| UNJF                                                             | NR 4  | -    | 48   | 2,4  | ≈ DIN 371      | 56             | 11             | 18             | 3,5 | 2,7 | 6504B0109 | 6507S0521861 |
| UNJF                                                             | NR 6  | -    | 40   | 3    | ≈ DIN 371      | 56             | 12             | 20             | 4   | 3   | 6504B0110 | 6507S0521862 |
| UNJF                                                             | NR 8  | -    | 36   | 3,55 | ≈ DIN 371      | 63             | 13             | 21             | 4,5 | 3,4 | 6504B0111 | 6507S0521864 |
| UNJF                                                             | NR 10 | -    | 32   | 4,15 | ≈ DIN 371      | 70             | 15             | 25             | 6   | 4,9 | 6504B0112 | 6507F0004    |
| UNJF                                                             | 1/4   | -    | 28   | 5,55 | ≈ DIN 371      | 80             | 17             | 30             | 7   | 5,5 | 6504B0113 | 6507S0254322 |
| UNJF                                                             | 5/16  | -    | 24   | 7    | ≈ DIN 371      | 90             | 17             | 35             | 8   | 6,2 | 6504B0114 | 6507F0003    |
| UNJF                                                             | 3/8   | -    | 24   | 8,6  | ≈ DIN 371      | 90             | 18             | 35             | 10  | 8   | 6504B0115 |              |



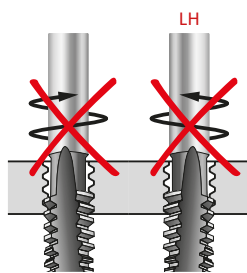
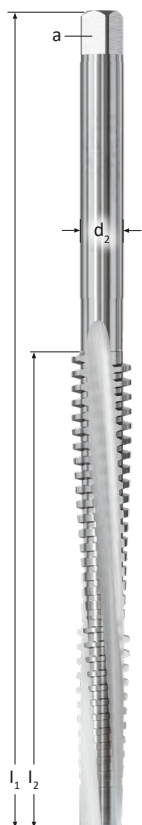
| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |    |      |      |           |                |                |                |                |     |     | TICN      | TICN         |
|------------------------------------------------------------------|----|------|------|-----------|----------------|----------------|----------------|----------------|-----|-----|-----------|--------------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |    |      |      |           |                |                |                |                |     |     | HSSE      | HSSE-PM      |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |    |      |      |           |                |                |                |                |     |     | C / 2-3   | C / 2-3      |
| d <sub>1</sub>                                                   | x  | P    |      | NORM      | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a   |     | ISO1X     | ISO1X        |
| MJ                                                               | 3  | x    | 0,5  | 2,6       | DIN 371        | 56             | 11             | 18             | 3,5 | 2,7 | 6604A1856 | 66A7B0381    |
| MJ                                                               | 4  | x    | 0,7  | 3,4       | DIN 371        | 63             | 13             | 21             | 4,5 | 3,4 | 6604A1857 | 66A7B0382    |
| MJ                                                               | 5  | x    | 0,8  | 4,3       | DIN 371        | 70             | 15             | 25             | 6   | 4,9 | 6604A1858 | 66A7B0383    |
| MJ                                                               | 6  | x    | 1    | 5,1       | DIN 371        | 80             | 17             | 30             | 6   | 4,9 | 6604A1859 | 66A7B0384    |
| MJ                                                               | 8  | x    | 1    | 7,1       | DIN 371        | 90             | 17             | 35             | 8   | 6,2 | 6604A1860 | 66A7B0385    |
| MJ                                                               | 8  | x    | 1,25 | 6,9       | DIN 371        | 90             | 20             | 35             | 8   | 6,2 | 6604A1862 | 66A7B0387    |
| MJ                                                               | 10 | x    | 1,25 | 8,9       | DIN 371        | 100            | 18             | 39             | 10  | 8   | 6604A1861 | 66A7B0386    |
| MJ                                                               | 10 | x    | 1,5  | 8,9       | DIN 371        | 100            | 22             | 39             | 10  | 8   | 6604A1863 | 66A7B0386    |
| d <sub>1</sub>                                                   | -  | P/1" |      | NORM      | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a   |     | 3BX       | 3BX          |
| UNJC NR 4                                                        | -  | 40   | 2,3  | ≈ DIN 371 | 56             | 11             | 18             | 3,5            | 2,7 |     | 6604B0144 | 66A7S0522262 |
| UNJC NR 6                                                        | -  | 32   | 2,85 | ≈ DIN 371 | 56             | 12             | 20             | 4              | 3   |     | 6604B0145 | 66A7S0522263 |
| UNJC NR 8                                                        | -  | 32   | 3,5  | ≈ DIN 371 | 63             | 13             | 21             | 4,5            | 3,4 |     | 6604B0146 | 66A7S0522264 |
| UNJC NR 10                                                       | -  | 24   | 3,9  | ≈ DIN 371 | 70             | 15             | 25             | 6              | 4,9 |     | 6604B0147 | 66A7S0522265 |
| UNJC 1/4                                                         | -  | 20   | 5,25 | ≈ DIN 371 | 80             | 17             | 30             | 7              | 5,5 |     | 6604B0148 | 66A7S0522266 |
| UNJC 5/16                                                        | -  | 18   | 6,7  | ≈ DIN 371 | 90             | 20             | 35             | 8              | 6,2 |     | 6604B0149 | 66A7S0522267 |
| UNJC 3/8                                                         | -  | 16   | 8,1  | ≈ DIN 371 | 100            | 22             | 39             | 10             | 8   |     | 6604B0150 |              |
| d <sub>1</sub>                                                   | -  | P/1" |      | NORM      | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a   |     | 3BX       | 3BX          |
| UNJF NR 4                                                        | -  | 48   | 2,4  | ≈ DIN 371 | 56             | 11             | 18             | 3,5            | 2,7 |     | 6604B0151 | 66A7S0522268 |
| UNJF NR 6                                                        | -  | 40   | 3    | ≈ DIN 371 | 56             | 12             | 20             | 4              | 3   |     | 6604B0152 | 66A7S0522269 |
| UNJF NR 8                                                        | -  | 36   | 3,55 | ≈ DIN 371 | 63             | 13             | 21             | 4,5            | 3,4 |     | 6604B0153 | 66A7S0522270 |
| UNJF NR 10                                                       | -  | 32   | 4,15 | ≈ DIN 371 | 70             | 15             | 25             | 6              | 4,9 |     | 6604B0154 | 66A7S0522271 |
| UNJF 1/4                                                         | -  | 28   | 5,55 | ≈ DIN 371 | 80             | 17             | 30             | 7              | 5,5 |     | 6604B0155 | 66A7S0522272 |
| UNJF 5/16                                                        | -  | 24   | 7    | ≈ DIN 371 | 90             | 17             | 35             | 8              | 6,2 |     | 6604B0156 | 66A7S0522273 |
| UNJF 3/8                                                         | -  | 24   | 8,6  | ≈ DIN 371 | 90             | 18             | 35             | 10             | 8   |     | 6604B0157 |              |



| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |       |        |       |           |                |                |                |                |      | VAP       | ALTINHD   | DLC       |
|------------------------------------------------------------------|-------|--------|-------|-----------|----------------|----------------|----------------|----------------|------|-----------|-----------|-----------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |       |        |       |           |                |                |                |                |      | HSSE      | HSSE      | HSSE      |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |       |        |       |           |                |                |                |                |      | E / 1,5-2 | E / 1,5-2 | C / 2-3   |
| d <sub>1</sub>                                                   | x     | P      |       | NORM      | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a    | 6H mod    | 6H mod    | 6H mod    |
| EG-M                                                             | 2,5   | x 0,45 | 2,65  | DIN 40435 | 56             | 11             | 18             | 3,5            | 2,7  | 6642AEKAC |           | 664SB0172 |
| EG-M                                                             | 3     | x 0,5  | 3,15  | DIN 40435 | 63             | 10             | 21             | 4,5            | 3,4  | 6642AHQAA | 6645B0243 | 664SB0173 |
| EG-M                                                             | 4     | x 0,7  | 4,2   | DIN 40435 | 70             | 12             | 25             | 6              | 4,9  | 6642AHYAB | 6645B0245 | 664SB0174 |
| EG-M                                                             | 5     | x 0,8  | 5,25  | DIN 40435 | 80             | 13             | 30             | 6              | 4,9  | 6642AHZAC | 6645B0246 | 664SB0175 |
| EG-M                                                             | 6     | x 1    | 6,3   | DIN 40435 | 90             | 17             | 35             | 8              | 6,2  | 6642AH0AB | 6645B0247 | 664SB0176 |
| EG-M                                                             | 8     | x 1,25 | 8,4   | DIN 40435 | 100            | 18             | 39             | 10             | 8    | 6642AI9AB | 6645B0248 | 664SB0177 |
| EG-M                                                             | 10    | x 1,5  | 10,5  | DIN 40435 | 110            | 21             | 44             | 12             | 9    | 7642AMHAB | 7645B0616 | 764SB0567 |
| EG-M                                                             | 12    | x 1,75 | 12,5  | DIN 40435 | 110            | 26             | -              | 11             | 9    | 7642APIAB |           | 764SB0568 |
| EG-M                                                             | 16    | x 2    | 16,5  | DIN 40435 | 125            | 27             | -              | 14             | 11   | 7642AWZAA |           |           |
| EG-M                                                             | 20    | x 2,5  | 20,75 | DIN 40435 | 160            | 34             | -              | 18             | 14,5 | 7642AW0AA |           |           |
| d <sub>1</sub>                                                   | -     | P/1"   |       | NORM      | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a    | 2B        |           |           |
| EG-UNC                                                           | NR 4  | -      | 40    | 3,1       | ≈ DIN 371      | 63             | 6              | 21             | 4,5  | 3,4       | 6642AMYAB |           |
| EG-UNC                                                           | NR 6  | -      | 32    | 3,8       | ≈ DIN 371      | 70             | 7              | 25             | 6    | 4,9       | 6642ANDAA |           |
| EG-UNC                                                           | NR 8  | -      | 32    | 4,4       | ≈ DIN 371      | 80             | 8              | 30             | 6    | 4,9       | 6642AJZAA |           |
| EG-UNC                                                           | NR 10 | -      | 24    | 5,2       | ≈ DIN 371      | 80             | 10             | 30             | 7    | 5,5       | 6642ANEAA |           |
| EG-UNC                                                           | 1/4   | -      | 20    | 6,7       | ≈ DIN 371      | 90             | 13             | 35             | 8    | 6,2       | 6642ANFAA |           |
| EG-UNC                                                           | 5/16  | -      | 18    | 8,4       | ≈ DIN 371      | 100            | 14             | 39             | 10   | 8         | 6642ANGAA |           |
| EG-UNC                                                           | 3/8   | -      | 16    | 10        | ≈ DIN 376      | 100            | 16             | -              | 9    | 7         | 7642A1964 |           |
| EG-UNC                                                           | 7/16  | -      | 14    | 11,6      | ≈ DIN 376      | 110            | 18             | -              | 11   | 9         | 7642A1965 |           |
| EG-UNC                                                           | 1/2   | -      | 13    | 13,3      | ≈ DIN 376      | 110            | 20             | -              | 12   | 9         | 7642A1966 |           |
| EG-UNC                                                           | 9/16  | -      | 12    | 14,9      | ≈ DIN 376      | 110            | 20             | -              | 12   | 9         | 7642A1967 |           |
| EG-UNC                                                           | 5/8   | -      | 11    | 16,5      | ≈ DIN 376      | 125            | 22             | -              | 14   | 11        | 7642A1968 |           |
| EG-UNC                                                           | 3/4   | -      | 10    | 19,75     | ≈ DIN 376      | 140            | 25             | -              | 18   | 14,5      | 7642A1969 |           |
| d <sub>1</sub>                                                   | -     | P/1"   |       | NORM      | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a    | 2B        |           |           |
| EG-UNF                                                           | NR 4  | -      | 48    | 3         | ≈ DIN 371      | 56             | 6              | 20             | 4    | 3         | 6642ANHAA |           |
| EG-UNF                                                           | NR 6  | -      | 40    | 3,7       | ≈ DIN 371      | 70             | 7              | 25             | 6    | 4,9       | 6642ANIAA |           |
| EG-UNF                                                           | NR 8  | -      | 36    | 4,4       | ≈ DIN 371      | 80             | 8              | 30             | 6    | 4,9       | 6642ANJAA |           |
| EG-UNF                                                           | NR 10 | -      | 32    | 5,1       | ≈ DIN 371      | 80             | 10             | 30             | 6    | 4,9       | 6642AEEAB |           |
| EG-UNF                                                           | 1/4   | -      | 28    | 6,6       | ≈ DIN 371      | 90             | 13             | 35             | 8    | 6,2       | 6642AEFAB |           |
| EG-UNF                                                           | 5/16  | -      | 24    | 8,25      | ≈ DIN 371      | 90             | 14             | 35             | 10   | 8         | 6642F0036 |           |
| EG-UNF                                                           | 3/8   | -      | 24    | 9,8       | ≈ DIN 376      | 90             | 16             | -              | 8    | 6,2       | 7642A1972 |           |
| EG-UNF                                                           | 7/16  | -      | 20    | 11,5      | ≈ DIN 376      | 100            | 18             | -              | 9    | 7         | 7642A1973 |           |
| EG-UNF                                                           | 1/2   | -      | 20    | 13,1      | ≈ DIN 376      | 100            | 20             | -              | 11   | 9         | 7642A1974 |           |
| EG-UNF                                                           | 9/16  | -      | 18    | 14,9      | ≈ DIN 376      | 110            | 20             | -              | 12   | 9         | 7642A1975 |           |
| EG-UNF                                                           | 5/8   | -      | 18    | 16,5      | ≈ DIN 376      | 125            | 22             | -              | 14   | 11        | 7642A1976 |           |
| EG-UNF                                                           | 3/4   | -      | 16    | 19,75     | ≈ DIN 376      | 140            | 25             | -              | 18   | 14,5      | 7642A1977 |           |



| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |       |      |      |                |                |                |                |    |     |      | NITVAP    | ALTINHD      | DLC       |
|------------------------------------------------------------------|-------|------|------|----------------|----------------|----------------|----------------|----|-----|------|-----------|--------------|-----------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |       |      |      |                |                |                |                |    |     |      | HSSE      | HSSE         | HSSE      |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |       |      |      |                |                |                |                |    |     |      | B / 4-5   | B / 4-5      | B / 4-5   |
| d <sub>1</sub>                                                   | x     | P    | NORM | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a  |     |      |           |              |           |
| EG-M                                                             | 2,5   | x    | 0,45 | 2,65           | DIN 40435      | 56             | 11             | 18 | 3,5 | 2,7  | 6H mod    | 6H mod       | 6H mod    |
| EG-M                                                             | 3     | x    | 0,5  | 3,15           | DIN 40435      | 63             | 10             | 21 | 4,5 | 3,4  | 6560ADSAA |              | 657SB0033 |
| EG-M                                                             | 4     | x    | 0,7  | 4,2            | DIN 40435      | 70             | 12             | 25 | 6   | 4,9  | 6560ADTAA | 6535S0521873 | 657SB0034 |
| EG-M                                                             | 5     | x    | 0,8  | 5,25           | DIN 40435      | 80             | 13             | 30 | 6   | 4,9  | 6560ADUAA | 6535S0521875 | 657SB0035 |
| EG-M                                                             | 6     | x    | 1    | 6,3            | DIN 40435      | 90             | 17             | 35 | 8   | 6,2  | 6560ADVAA | 6535S0521877 | 657SB0036 |
| EG-M                                                             | 8     | x    | 1    | 7,3            | DIN 40435      | 90             | 17             | 35 | 8   | 6,2  | 6560ADWAA | 6535S0521879 | 657SB0037 |
| EG-M                                                             | 8     | x    | 1,25 | 8,4            | DIN 40435      | 100            | 18             | 39 | 10  | 8    | 6560ADXAA | 6535S0521880 | 657SB0038 |
| EG-M                                                             | 10    | x    | 1,5  | 10,5           | DIN 40435      | 100            | 22             | -  | 9   | 7    | 7560AHNAA |              |           |
| EG-M                                                             | 12    | x    | 1,75 | 12,5           | DIN 40435      | 110            | 26             | -  | 11  | 9    | 7560AHPAA |              |           |
| EG-M                                                             | 16    | x    | 2    | 16,5           | DIN 40435      | 125            | 27             | -  | 14  | 11   | 7560AHQAA |              |           |
| EG-M                                                             | 20    | x    | 2,5  | 20,75          | DIN 40435      | 160            | 34             | -  | 18  | 14,5 | 7560AHRAA |              |           |
| d <sub>1</sub>                                                   | -     | P/1" | NORM | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a  |     |      |           |              |           |
| EG-UNC                                                           | NR 4  | -    | 40   | 3,1            | ≈ DIN 371      | 63             | 13             | 21 | 4,5 | 3,4  | 6560ADYAA |              |           |
| EG-UNC                                                           | NR 6  | -    | 32   | 3,8            | ≈ DIN 371      | 70             | 14             | 25 | 6   | 4,9  | 6560AD0AA |              |           |
| EG-UNC                                                           | NR 8  | -    | 32   | 4,4            | ≈ DIN 371      | 80             | 16             | 30 | 6   | 4,9  | 6560AD1AA |              |           |
| EG-UNC                                                           | NR 10 | -    | 24   | 5,2            | ≈ DIN 371      | 80             | 17             | 30 | 7   | 5,5  | 6560AD2AA |              |           |
| EG-UNC                                                           | 1/4   | -    | 20   | 6,7            | ≈ DIN 371      | 90             | 20             | 35 | 8   | 6,2  | 6560AD3AA |              |           |
| EG-UNC                                                           | 5/16  | -    | 18   | 8,4            | ≈ DIN 371      | 100            | 22             | 39 | 10  | 8    | 6560AD4AA |              |           |
| EG-UNC                                                           | 3/8   | -    | 16   | 10             | ≈ DIN 376      | 100            | 22             | -  | 9   | 7    | 7560AHTAA |              |           |
| EG-UNC                                                           | 7/16  | -    | 14   | 11,6           | ≈ DIN 376      | 110            | 26             | -  | 11  | 9    | 7560AHUAA |              |           |
| EG-UNC                                                           | 1/2   | -    | 13   | 13,3           | ≈ DIN 376      | 110            | 27             | -  | 12  | 9    | 7560AHVAA |              |           |
| EG-UNC                                                           | 9/16  | -    | 12   | 14,9           | ≈ DIN 376      | 110            | 27             | -  | 12  | 9    | 7560A1971 |              |           |
| EG-UNC                                                           | 5/8   | -    | 11   | 16,5           | ≈ DIN 376      | 125            | 30             | -  | 14  | 11   | 7560AHWAA |              |           |
| EG-UNC                                                           | 3/4   | -    | 10   | 19,75          | ≈ DIN 376      | 140            | 32             | -  | 18  | 14,5 | 7560AHXAA |              |           |
| d <sub>1</sub>                                                   | -     | P/1" | NORM | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a  |     |      |           |              |           |
| EG-UNF                                                           | NR 4  | -    | 48   | 3              | ≈ DIN 371      | 56             | 9              | 20 | 4   | 3    | 6560AD5AA |              |           |
| EG-UNF                                                           | NR 6  | -    | 40   | 3,7            | ≈ DIN 371      | 70             | 11             | 25 | 6   | 4,9  | 6560AD6AA |              |           |
| EG-UNF                                                           | NR 8  | -    | 36   | 4,4            | ≈ DIN 371      | 80             | 13             | 30 | 6   | 4,9  | 6560AD7AA |              |           |
| EG-UNF                                                           | NR 10 | -    | 32   | 5,1            | ≈ DIN 371      | 80             | 13             | 30 | 6   | 4,9  | 6560AD8AA |              |           |
| EG-UNF                                                           | 1/4   | -    | 28   | 6,6            | ≈ DIN 371      | 90             | 17             | 35 | 8   | 6,2  | 6560AD9AA |              |           |
| EG-UNF                                                           | 5/16  | -    | 24   | 8,25           | ≈ DIN 371      | 90             | 18             | 35 | 10  | 8    | 6560A1978 |              |           |
| EG-UNF                                                           | 3/8   | -    | 24   | 9,8            | ≈ DIN 376      | 90             | 18             | -  | 8   | 6,2  | 7560AHZAA |              |           |
| EG-UNF                                                           | 7/16  | -    | 20   | 11,5           | ≈ DIN 376      | 100            | 22             | -  | 9   | 7    | 7560AH0AA |              |           |
| EG-UNF                                                           | 1/2   | -    | 20   | 13,1           | ≈ DIN 376      | 100            | 22             | -  | 11  | 9    | 7560AH1AA |              |           |
| EG-UNF                                                           | 9/16  | -    | 18   | 14,9           | ≈ DIN 376      | 110            | 27             | -  | 12  | 9    | 7560A1981 |              |           |
| EG-UNF                                                           | 5/8   | -    | 18   | 16,5           | ≈ DIN 376      | 125            | 30             | -  | 14  | 11   | 7560AH2AA |              |           |
| EG-UNF                                                           | 3/4   | -    | 16   | 19,75          | ≈ DIN 376      | 140            | 32             | -  | 18  | 14,5 | 7560AH3AA |              |           |



Nicht reversieren!  
No reversal!  
Ne pas renverser la marche!  
Non invertire la marcia!



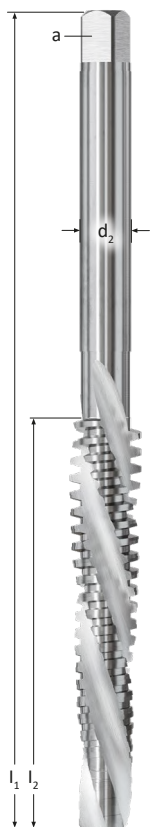
2xD  
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2xD  
max

| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |       |       |                                                                                     |                |                |                |      | -         | -         |
|------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|----------------|----------------|----------------|------|-----------|-----------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |       |       |                                                                                     |                |                |                |      | HSSE      | HSSE      |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |       |       |                                                                                     |                |                |                |      | -         | -         |
| d <sub>1</sub>                                                   | x     | P     |  | l <sub>1</sub> | l <sub>2</sub> | d <sub>2</sub> | a    | 7H        | 7H - LH   |
| TR 8                                                             | x 1,5 | 6,6   |                                                                                     | 105            | 55             | 6              | 4,9  | 9720AAAAA | 9720AABAA |
| TR 9                                                             | x 2   | 7,2   |                                                                                     | 130            | 70             | 7              | 5,5  | 9720AAEAA | 9720AAFAA |
| TR 10                                                            | x 2   | 8,2   |                                                                                     | 130            | 70             | 7              | 5,5  | 9720AAIAA | 9720AAKAA |
| TR 10                                                            | x 3   | 7,25  |                                                                                     | 155            | 95             | 7              | 5,5  | 9720AAMAA | 9720AANAA |
| TR 11                                                            | x 3   | 8,25  |                                                                                     | 155            | 95             | 8              | 6,2  | 9720AARAA | 9720AASAA |
| TR 12                                                            | x 3   | 9,25  |                                                                                     | 160            | 95             | 9              | 7    | 9720AAWAA | 9720AAXAA |
| TR 14                                                            | x 3   | 11,25 |                                                                                     | 170            | 100            | 10             | 8    | 9720AA2AA | 9720AA3AA |
| TR 14                                                            | x 4   | 10,25 |                                                                                     | 195            | 125            | 10             | 8    | 9720AA4AA | 9720AA5AA |
| TR 16                                                            | x 4   | 12,25 |                                                                                     | 225            | 130            | 12             | 9    | 9720AA9AA | 9720ABAAA |
| TR 18                                                            | x 4   | 14,25 |                                                                                     | 225            | 130            | 14             | 11   | 9720ABFAA | 9720ABGAA |
| TR 20                                                            | x 4   | 16,25 |                                                                                     | 225            | 130            | 16             | 12   | 9720ABKAA | 9720ABLAA |
| TR 22                                                            | x 5   | 17,25 |                                                                                     | 260            | 160            | 16             | 12   | 9720ABRAA | 9720ABSAA |
| TR 24                                                            | x 5   | 19,25 |                                                                                     | 285            | 165            | 18             | 14,5 | 9720ABWAA | 9720ABXAA |
| TR 26                                                            | x 5   | 21,25 |                                                                                     | 285            | 165            | 20             | 16   | 9720AB2AA | 9720AB4AA |
| TR 28                                                            | x 5   | 23,25 |                                                                                     | 300            | 170            | 22             | 18   | 9720AB9AA | 9720ACAAA |
| TR 30                                                            | x 6   | 24,25 |                                                                                     | 335            | 200            | 22             | 18   | 9720ACDAA | 9720ACEAA |
| TR 32                                                            | x 6   | 26,25 |                                                                                     | 335            | 200            | 25             | 20   | 9720ACGAA | 9720ACIAA |
| TR 34                                                            | x 6   | 28,25 |                                                                                     | 350            | 205            | 28             | 22   | 9720ACKAA | 9720ACMAA |





Muss mit zwangsläufiger Steigung geschnitten werden!  
Positive feed control is necessary!  
L'usinage doit être réalisé avec une avance forcée!  
Si deve tagliare con passo controllato!



1,5xD  
max



1,5xD  
max

| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |  |  |  |  |  |  |
|------------------------------------------------------------------|--|--|--|--|--|--|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |  |  |  |  |  |  |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |  |  |  |  |  |  |

| d <sub>1</sub> | x | P   |  | l <sub>1</sub> | d <sub>2</sub> | a    |
|----------------|---|-----|-------------------------------------------------------------------------------------|----------------|----------------|------|
| TR 8           | x | 1,5 | 6,6                                                                                 | 90             | 6              | 4,9  |
| TR 9           | x | 2   | 7,2                                                                                 | 110            | 7              | 5,5  |
| TR 10          | x | 2   | 8,2                                                                                 | 110            | 7              | 5,5  |
| TR 10          | x | 3   | 7,25                                                                                | 130            | 7              | 5,5  |
| TR 11          | x | 3   | 8,25                                                                                | 130            | 8              | 6,2  |
| TR 12          | x | 3   | 9,25                                                                                | 140            | 9              | 7    |
| TR 14          | x | 3   | 11,25                                                                               | 145            | 10             | 8    |
| TR 14          | x | 4   | 10,25                                                                               | 165            | 10             | 8    |
| TR 16          | x | 4   | 12,25                                                                               | 190            | 12             | 9    |
| TR 18          | x | 4   | 14,25                                                                               | 195            | 14             | 11   |
| TR 20          | x | 4   | 16,25                                                                               | 195            | 16             | 12   |
| TR 22          | x | 5   | 17,25                                                                               | 220            | 16             | 12   |
| TR 24          | x | 5   | 19,25                                                                               | 245            | 18             | 14,5 |

|      |
|------|
| NIT  |
| HSSE |
| -    |
| 7H   |

|           |
|-----------|
| 9745F0002 |
| 9745F0003 |
| 9745F0004 |
| 9745F0005 |
| 9745F0006 |
| 9745F0001 |
| 9745F0007 |
| 9745F0008 |
| 9745F0009 |
| 9745F0010 |
| 9745F0011 |
| 9745F0012 |
| 9745F0013 |

|         |
|---------|
| NIT     |
| HSSE    |
| -       |
| 7H - LH |

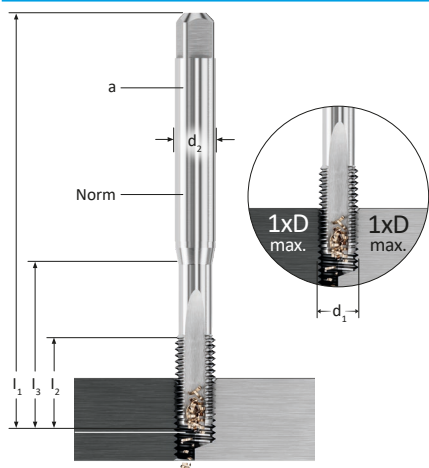
|           |
|-----------|
| 9745F0017 |
| 9745F0018 |
| 9745F0019 |
| 9745F0020 |
| 9745F0021 |
| 9745F0022 |
| 9745F0023 |
| 9745F0024 |
| 9745F0025 |
| 9745F0026 |
| 9745F0027 |
| 9745F0028 |
| 9745F0029 |

# TR

DIN 103

# NORIS

TWIN MS AUT



AUT

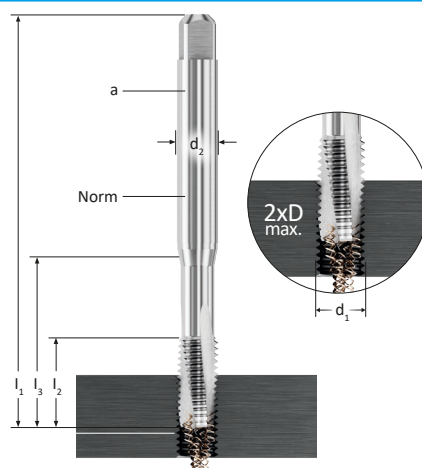
| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |   |     |                 |                |                |                |                |      |  | -         |
|------------------------------------------------------------------|---|-----|-----------------|----------------|----------------|----------------|----------------|------|--|-----------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |   |     |                 |                |                |                |                |      |  | HSSE      |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |   |     |                 |                |                |                |                |      |  | E / 1,5-2 |
| d <sub>1</sub>                                                   | x | P   | NORM            | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a    |  | 7H        |
| TR 8                                                             | x | 1,5 | 6,6 ≈ DIN 352   | 70             | 22             | -              | 8              | 6,2  |  | 5250F0141 |
| TR 8                                                             | x | 2   | 6,2 ≈ DIN 352   | 70             | 22             | -              | 8              | 6,2  |  | 5250F0142 |
| TR 9                                                             | x | 1,5 | 7,6 ≈ DIN 352   | 70             | 22             | -              | 8              | 6,2  |  | 5250F0149 |
| TR 9                                                             | x | 2   | 7,2 ≈ DIN 352   | 70             | 22             | -              | 8              | 6,2  |  | 5250F0143 |
| TR 10                                                            | x | 1,5 | 8,6 ≈ DIN 352   | 70             | 22             | -              | 8              | 6,2  |  | 5250F0150 |
| TR 10                                                            | x | 2   | 8,2 ≈ DIN 352   | 70             | 22             | -              | 8              | 6,2  |  | 5250F0144 |
| TR 10                                                            | x | 3   | 7,25 ≈ DIN 352  | 70             | 22             | -              | 8              | 6,2  |  | 5250F0070 |
| TR 11                                                            | x | 2   | 9,2 ≈ DIN 352   | 75             | 24             | -              | 9              | 7    |  | 5250F0151 |
| TR 11                                                            | x | 3   | 8,25 ≈ DIN 352  | 75             | 24             | -              | 9              | 7    |  | 5250F0145 |
| TR 12                                                            | x | 2   | 10,2 ≈ DIN 352  | 75             | 25             | -              | 9              | 7    |  | 5250F0085 |
| TR 12                                                            | x | 3   | 9,25 ≈ DIN 352  | 75             | 25             | -              | 9              | 7    |  | 5250F0020 |
| TR 14                                                            | x | 2   | 12,2 ≈ DIN 352  | 80             | 26             | -              | 10             | 8    |  | 5250F0152 |
| TR 14                                                            | x | 3   | 11,25 ≈ DIN 352 | 80             | 26             | -              | 10             | 8    |  | 5250F0146 |
| TR 14                                                            | x | 4   | 10,25 ≈ DIN 352 | 80             | 26             | -              | 10             | 8    |  | 5250F0021 |
| TR 16                                                            | x | 2   | 14,2 ≈ DIN 352  | 80             | 27             | -              | 12             | 9    |  | 5250F0153 |
| TR 16                                                            | x | 4   | 12,25 ≈ DIN 352 | 80             | 27             | -              | 12             | 9    |  | 5250F0147 |
| TR 18                                                            | x | 2   | 16,2 ≈ DIN 352  | 80             | 22             | -              | 12             | 9    |  | 5250F0154 |
| TR 18                                                            | x | 4   | 14,25 ≈ DIN 352 | 95             | 32             | -              | 12             | 9    |  | 5250F0015 |
| TR 20                                                            | x | 2   | 18,2 ≈ DIN 352  | 80             | 22             | -              | 15             | 12   |  | 5250F0155 |
| TR 20                                                            | x | 4   | 16,25 ≈ DIN 352 | 95             | 32             | -              | 15             | 12   |  | 5250F0148 |
| TR 22                                                            | x | 3   | 19,25 ≈ DIN 352 | 100            | 32             | -              | 15             | 12   |  | 5250F0156 |
| TR 24                                                            | x | 3   | 21,25 ≈ DIN 352 | 110            | 36             | -              | 18             | 14,5 |  | 5250F0157 |
| TR 26                                                            | x | 3   | 23,25 ≈ DIN 352 | 110            | 36             | -              | 18             | 14,5 |  | 5250F0158 |
| TR 28                                                            | x | 3   | 25,25 ≈ DIN 352 | 125            | 36             | -              | 18             | 14,5 |  | 5250F0159 |
| TR 30                                                            | x | 3   | 27,25 ≈ DIN 352 | 125            | 34             | -              | 18             | 14,5 |  | 5250F0160 |

# TR

DIN 103

# NORIS

DL15 ST

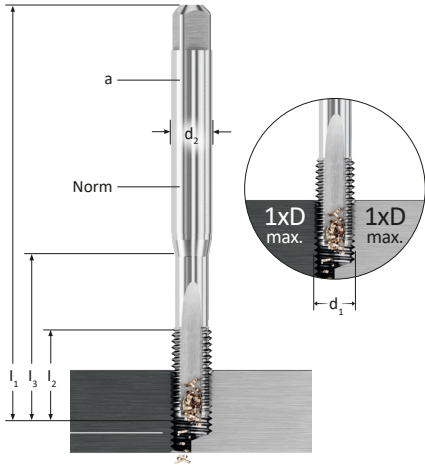


| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |   |     |                                                                                   |           |                |                |                |                |      | -         |           |
|------------------------------------------------------------------|---|-----|-----------------------------------------------------------------------------------|-----------|----------------|----------------|----------------|----------------|------|-----------|-----------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |   |     |                                                                                   |           |                |                |                |                |      | HSSE      |           |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |   |     |                                                                                   |           |                |                |                |                |      | D / 4-5   |           |
| d <sub>1</sub>                                                   | x | P   |  | NORM      | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a    | 7H        | 7H - LH   |
| TR 9                                                             | x | 1,5 | 7,6                                                                               | ≈ DIN 374 | 100            | 22             | -              | 7              | 5,5  | 7500F0003 | 7500F0014 |
| TR 10                                                            | x | 1,5 | 8,6                                                                               | ≈ DIN 374 | 100            | 22             | -              | 7              | 5,5  | 7500F0004 | 7500F0015 |
| TR 11                                                            | x | 2   | 9,2                                                                               | ≈ DIN 374 | 100            | 22             | -              | 8              | 6,2  | 7500F0005 | 7500F0016 |
| TR 12                                                            | x | 2   | 10,2                                                                              | ≈ DIN 374 | 110            | 25             | -              | 9              | 7    | 7500F0002 | 7500F0017 |
| TR 14                                                            | x | 2   | 12,2                                                                              | ≈ DIN 374 | 110            | 26             | -              | 11             | 9    | 7500F0006 | 7500F0018 |
| TR 16                                                            | x | 2   | 14,2                                                                              | ≈ DIN 374 | 110            | 27             | -              | 12             | 9    | 7500F0007 | 7500F0019 |
| TR 18                                                            | x | 2   | 16,2                                                                              | ≈ DIN 374 | 125            | 27             | -              | 14             | 11   | 7500F0008 | 7500F0020 |
| TR 20                                                            | x | 2   | 18,2                                                                              | ≈ DIN 374 | 140            | 27             | -              | 16             | 12   | 7500F0001 | 7500F0021 |
| TR 22                                                            | x | 3   | 19,25                                                                             | ≈ DIN 374 | 160            | 34             | -              | 18             | 14,5 | 7500F0009 | 7500F0022 |
| TR 24                                                            | x | 3   | 21,25                                                                             | ≈ DIN 374 | 160            | 36             | -              | 18             | 14,5 | 7500F0010 | 7500F0023 |
| TR 26                                                            | x | 3   | 23,25                                                                             | ≈ DIN 374 | 160            | 36             | -              | 20             | 16   | 7500F0011 | 7500F0024 |
| TR 28                                                            | x | 3   | 25,25                                                                             | ≈ DIN 374 | 180            | 40             | -              | 22             | 18   | 7500F0012 | 7500F0025 |
| TR 30                                                            | x | 3   | 27,25                                                                             | ≈ DIN 374 | 180            | 40             | -              | 22             | 18   | 7500F0013 | 7500F0026 |

# RD

DIN 405

NORIS  
TWIN ST

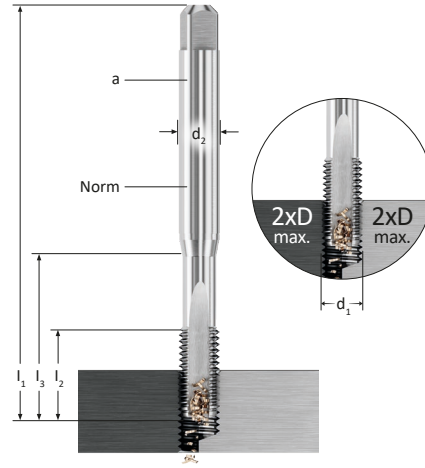


| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |   |      |      |                |                |                |                |    |      | -         |
|------------------------------------------------------------------|---|------|------|----------------|----------------|----------------|----------------|----|------|-----------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |   |      |      |                |                |                |                |    |      | HSSE      |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |   |      |      |                |                |                |                |    |      | C / 2-3   |
| d <sub>1</sub>                                                   | x | P/1" | NORM | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a  |      | 7H        |
| RD 8                                                             | x | 10   | 6    | ≈ DIN 352      | 70             | 22             | -              | 8  | 6,2  | 7100F0031 |
| RD 9                                                             | x | 10   | 7    | ≈ DIN 352      | 70             | 22             | -              | 8  | 6,2  | 7100F0032 |
| RD 10                                                            | x | 10   | 8    | ≈ DIN 352      | 70             | 22             | -              | 8  | 6,2  | 7100F0033 |
| RD 11                                                            | x | 10   | 9    | ≈ DIN 352      | 70             | 22             | -              | 8  | 6,2  | 7100AGTAA |
| RD 12                                                            | x | 10   | 10   | ≈ DIN 352      | 75             | 25             | -              | 9  | 7    | 7100AGUAA |
| RD 14                                                            | x | 8    | 11,5 | ≈ DIN 352      | 80             | 26             | -              | 11 | 9    | 7100AGVAA |
| RD 16                                                            | x | 8    | 13,5 | ≈ DIN 352      | 80             | 27             | -              | 12 | 9    | 7100AGWAA |
| RD 18                                                            | x | 8    | 15,5 | ≈ DIN 352      | 95             | 32             | -              | 14 | 11   | 7100AGXAA |
| RD 20                                                            | x | 8    | 17,5 | ≈ DIN 352      | 95             | 32             | -              | 16 | 12   | 7100AGYAA |
| RD 22                                                            | x | 8    | 19,5 | ≈ DIN 352      | 100            | 32             | -              | 18 | 14,5 | 7100AGZAA |
| RD 24                                                            | x | 8    | 21,5 | ≈ DIN 352      | 110            | 36             | -              | 18 | 14,5 | 7100AG0AA |
| RD 26                                                            | x | 8    | 23,5 | ≈ DIN 352      | 110            | 36             | -              | 20 | 16   | 7100AG1AA |
| RD 28                                                            | x | 8    | 25,5 | ≈ DIN 352      | 125            | 34             | -              | 22 | 18   | 7100AG2AA |
| RD 30                                                            | x | 8    | 27,5 | ≈ DIN 352      | 125            | 34             | -              | 22 | 18   | 7100AG3AA |

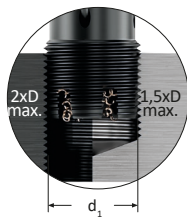
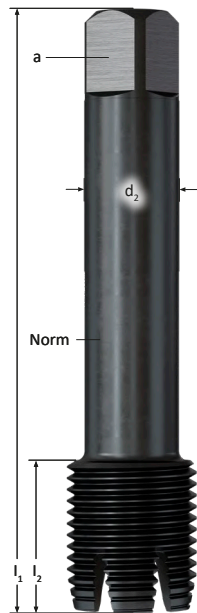
# PG

DIN 40430

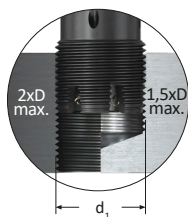
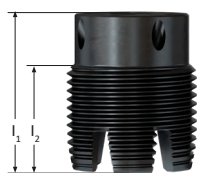
NORIS  
TWIN ST



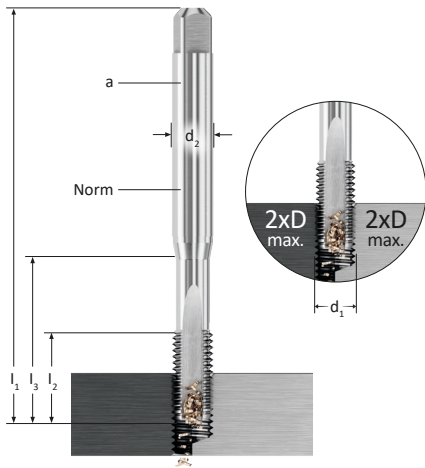
| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |   |      |       |                |                |                |                |    |      | -         |
|------------------------------------------------------------------|---|------|-------|----------------|----------------|----------------|----------------|----|------|-----------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |   |      |       |                |                |                |                |    |      | HSSE      |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |   |      |       |                |                |                |                |    |      | C / 2-3   |
| d <sub>1</sub>                                                   | x | P/1" | NORM  | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a  |      | X         |
| PG 7                                                             | x | 20   | 11,35 | DIN 40433      | 100            | 22             | -              | 9  | 7    | 7100B0427 |
| PG 9                                                             | x | 18   | 13,95 | DIN 40433      | 100            | 22             | -              | 12 | 9    | 7100B0428 |
| PG 11                                                            | x | 18   | 17,35 | DIN 40433      | 110            | 25             | -              | 14 | 11   | 7100B0429 |
| PG 13,5                                                          | x | 18   | 19,15 | DIN 40433      | 125            | 25             | -              | 16 | 12   | 7100B0430 |
| PG 16                                                            | x | 18   | 21,25 | DIN 40433      | 125            | 25             | -              | 18 | 14,5 | 7100B0431 |
| PG 21                                                            | x | 16   | 26,95 | DIN 40433      | 150            | 28             | -              | 22 | 18   | 7100B0432 |
| PG 29                                                            | x | 16   | 35,6  | DIN 40433      | 170            | 30             | -              | 28 | 22   | 7100B0433 |
| PG 36                                                            | x | 16   | 45,6  | DIN 40433      | 190            | 32             | -              | 36 | 29   | 7100B0434 |
| PG 42                                                            | x | 16   | 52,6  | DIN 40433      | 190            | 32             | -              | 40 | 32   | 7100B0435 |
| PG 48                                                            | x | 16   | 57,9  | DIN 40433      | 220            | 36             | -              | 45 | 35   | 7100B0436 |



| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |      |       |           |                |                |                |                |    |           |  | VAP     |
|------------------------------------------------------------------|------|-------|-----------|----------------|----------------|----------------|----------------|----|-----------|--|---------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |      |       |           |                |                |                |                |    |           |  | HSSE    |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |      |       |           |                |                |                |                |    |           |  | C / 2-3 |
| d <sub>1</sub>                                                   | P    |       | NORM      | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | d <sub>2</sub> | a  | ISO2X     |  |         |
| M 30                                                             | 3,5  | 26,5  | DIN 376   | 180            | 45             | -              | 22             | 18 | 7682ABQAA |  |         |
| M 33                                                             | 3,5  | 29,5  | DIN 376   | 180            | 45             | -              | 25             | 20 | 7682ABRAA |  |         |
| M 36                                                             | 4    | 32    | DIN 376   | 200            | 52             | -              | 28             | 22 | 7682AAJAB |  |         |
| M 42                                                             | 4,5  | 37,5  | DIN 376   | 200            | 59             | -              | 32             | 24 | 7682AAHAB |  |         |
| M 45                                                             | 4,5  | 40,5  | DIN 376   | 220            | 59             | -              | 36             | 29 | 7682AAAAB |  |         |
| M 48                                                             | 5    | 43    | DIN 376   | 250            | 65             | -              | 36             | 29 | 7682AAGAB |  |         |
| M 52                                                             | 5    | 47    | DIN 376   | 250            | 65             | -              | 40             | 32 | 7682AAFAB |  |         |
| M 56                                                             | 5,5  | 50,5  | DIN 376   | 280            | 72             | -              | 45             | 35 | 7682AAMAA |  |         |
| M 60                                                             | 5,5  | 54,5  | DIN 376   | 280            | 72             | -              | 45             | 35 | 7682AAPAA |  |         |
| M 64                                                             | 6    | 58    | DIN 376   | 315            | 78             | -              | 50             | 39 | 7682AAQAA |  |         |
| ISO2X                                                            |      |       |           |                |                |                |                |    |           |  |         |
| MF 30                                                            | x 2  | 28    | ≈ DIN 374 | 150            | 28             | -              | 22             | 18 | 7682ABAAA |  |         |
| MF 33                                                            | x 2  | 31    | ≈ DIN 374 | 160            | 30             | -              | 25             | 20 | 7682AB3AA |  |         |
| MF 36                                                            | x 3  | 33    | ≈ DIN 374 | 200            | 45             | -              | 28             | 22 | 7682AB5AA |  |         |
| MF 39                                                            | x 3  | 36    | ≈ DIN 374 | 200            | 45             | -              | 32             | 24 | 7682AB8AA |  |         |
| MF 42                                                            | x 3  | 39    | ≈ DIN 374 | 200            | 50             | -              | 32             | 24 | 7682ACDAA |  |         |
| MF 45                                                            | x 3  | 42    | ≈ DIN 374 | 200            | 50             | -              | 36             | 29 | 7682ACFAA |  |         |
| MF 48                                                            | x 3  | 45    | ≈ DIN 374 | 225            | 50             | -              | 36             | 29 | 7682ACIAA |  |         |
| MF 72                                                            | x 6  | 66    | ≈ DIN 374 | 340            | 78             | -              | 56             | 44 | 7682AAZAB |  |         |
| 2BX                                                              |      |       |           |                |                |                |                |    |           |  |         |
| UNC 3/4                                                          | - 10 | 16,5  | ≈ DIN 376 | 125            | 32             | -              | 14             | 11 | 7682ACXAC |  |         |
| UNC 1                                                            | - 8  | 22,25 | ≈ DIN 376 | 160            | 36             | -              | 20             | 16 | 7682AC8AA |  |         |



| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |   |   |    |                                                                                     |                |                | VAP       |  |                |               |                |                |    |           |
|------------------------------------------------------------------|---|---|----|-------------------------------------------------------------------------------------|----------------|----------------|-----------|--|----------------|---------------|----------------|----------------|----|-----------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |   |   |    |                                                                                     |                |                | HSSE      |  |                |               |                |                |    |           |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |   |   |    |                                                                                     |                |                | C / 2-3   |  |                |               |                |                |    |           |
| d <sub>1</sub>                                                   |   | x | P  |  | l <sub>1</sub> | l <sub>2</sub> | ISO2X     |  | d <sub>1</sub> |               | l <sub>1</sub> | d <sub>2</sub> | a  |           |
| M 64                                                             | x | 6 | 58 |                                                                                     | 92             | 68             | 7692ADNAC |  | III L          | > 63 - 74 mm  | 225            | 32             | 24 | 9940AAKAA |
|                                                                  |   |   |    |                                                                                     |                |                | ISO2X     |  |                |               |                |                |    |           |
| MF 52                                                            | x | 3 | 49 |                                                                                     | 54             | 36             | 7692AAGAB |  | I L            | > 45 - 54 mm  | 169            | 25             | 20 | 9940AAIAA |
| MF 56                                                            | x | 4 | 52 |                                                                                     | 73             | 50             | 7692AALAA |  | II L           | > 54 - 63 mm  | 183            | 28             | 22 | 9940AAJAA |
| MF 64                                                            | x | 3 | 61 |                                                                                     | 67             | 40             | 7692AAPAA |  |                |               |                |                |    |           |
| MF 64                                                            | x | 4 | 60 |                                                                                     | 81             | 56             | 7692AAQAB |  |                |               |                |                |    |           |
| MF 68                                                            | x | 4 | 64 |                                                                                     | 81             | 56             | 7692AAVAB |  |                |               |                |                |    |           |
| MF 72                                                            | x | 3 | 69 |                                                                                     | 67             | 40             | 7692AAZAA |  | III L          | > 63 - 74 mm  | 225            | 32             | 24 | 9940AAKAA |
| MF 72                                                            | x | 4 | 68 |                                                                                     | 81             | 56             | 7692AA0AB |  |                |               |                |                |    |           |
| MF 72                                                            | x | 6 | 66 |                                                                                     | 94             | 70             | 7692AA1AA |  |                |               |                |                |    |           |
| MF 76                                                            | x | 3 | 73 |                                                                                     | 74             | 45             | 7692AA4AA |  |                |               |                |                |    |           |
| MF 76                                                            | x | 6 | 70 |                                                                                     | 97             | 70             | 7692AA6AA |  |                |               |                |                |    |           |
| MF 80                                                            | x | 4 | 76 |                                                                                     | 86             | 56             | 7692AA8AA |  | IV L           | > 74 - 84 mm  | 247            | 40             | 32 | 9940AALAA |
| MF 80                                                            | x | 6 | 74 |                                                                                     | 97             | 70             | 7692AA9AC |  |                |               |                |                |    |           |
| MF 85                                                            | x | 4 | 81 |                                                                                     | 86             | 56             | 7692ABBAA |  |                |               |                |                |    |           |
| MF 85                                                            | x | 6 | 79 |                                                                                     | 97             | 70             | 7692ABCAA |  |                |               |                |                |    |           |
| MF 90                                                            | x | 4 | 86 |                                                                                     | 86             | 56             | 7692ABEAA |  | V L            | > 84 - 99 mm  | 279            | 45             | 35 | 9940AAMAA |
| MF 90                                                            | x | 6 | 84 |                                                                                     | 97             | 70             | 7692ABFAB |  |                |               |                |                |    |           |
| MF 95                                                            | x | 6 | 89 |                                                                                     | 107            | 70             | 7692AEUAE |  |                |               |                |                |    |           |
| MF 100                                                           | x | 6 | 94 |                                                                                     | 107            | 70             | 7692ABKAA |  | VI L           | > 99 - 120 mm | 317            | 50             | 39 | 9940AANAA |



V1



M2



F3



SET



| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |      |      |          |                |                |                |                |      |           | -         |           |         |           |
|------------------------------------------------------------------|------|------|----------|----------------|----------------|----------------|----------------|------|-----------|-----------|-----------|---------|-----------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |      |      |          |                |                |                |                |      |           | HSSE      |           |         |           |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |      |      |          |                |                |                |                |      |           | A / 5-6   | D / 3-4   | C / 2-3 |           |
| d <sub>1</sub>                                                   | P    |      | NORM     | I <sub>1</sub> | I <sub>2</sub> | I <sub>3</sub> | d <sub>2</sub> | a    |           |           |           | ISO 1X  | ISO 1X    |
| M 1                                                              | 0,25 | 0,75 | DIN 352  | 32             | 5              | -              | 2,5            | 2,1  | 5000AHMAA | 5000AHNAA | 5000AHPAA |         | 5000AHLAA |
| M 1,4                                                            | 0,3  | 1,1  | DIN 352  | 32             | 7              | -              | 2,5            | 2,1  | 5000AAFAA | 5000AAGAA | 5000AAHAA |         | 5000AAEAA |
|                                                                  |      |      |          |                |                |                |                |      |           |           |           | ISO2X   | ISO2X     |
| M 1,6                                                            | 0,35 | 1,25 | DIN 352  | 32             | 8              | -              | 2,5            | 2,1  | 5000AANAA | 5000AAPAA | 5000AAQAA |         | 5000AAMAA |
| M 2                                                              | 0,4  | 1,6  | DIN 352  | 36             | 8              | -              | 2,8            | 2,1  | 5000ABCAA | 5000ABDAA | 5000ABEAA |         | 5000ABBAA |
| M 2,5                                                            | 0,45 | 2,05 | DIN 352  | 40             | 9              | -              | 2,8            | 2,1  | 5000AB1AA | 5000AB2AA | 5000AB3AA |         | 5000AB0AA |
| M 3                                                              | 0,5  | 2,5  | DIN 352  | 40             | 10             | 18             | 3,5            | 2,7  | 5000ACHAA | 5000ACIAA | 5000ACJAA |         | 5000ACGAA |
| M 3,5                                                            | 0,6  | 2,9  | DIN 352  | 45             | 11             | 20             | 4              | 3    | 5000ACQAA | 5000ACRAA | 5000ACSA  |         | 5000ACPA  |
| M 4                                                              | 0,7  | 3,3  | DIN 352  | 45             | 12             | 22             | 4,5            | 3,4  | 5000ACYAA | 5000ACZAA | 5000AC0AA |         | 5000ACXAA |
| M 5                                                              | 0,8  | 4,2  | DIN 352  | 50             | 14             | 25             | 6              | 4,9  | 5000AAJAA | 5000AAKAA | 5000AALAA |         | 5000AAIAA |
| M 6                                                              | 1    | 5    | DIN 352  | 56             | 16             | 28             | 6              | 4,9  | 5000AASAA | 5000AATAA | 5000AAUAA |         | 5000AARAA |
| M 7                                                              | 1    | 6    | DIN 352  | 56             | 18             | -              | 6              | 4,9  | 5000AA0AA | 5000AA1AA | 5000AA2AA |         | 5000AAZAA |
| M 8                                                              | 1,25 | 6,8  | DIN 352  | 63             | 20             | -              | 6              | 4,9  | 5000AA8AA | 5000AA9AA | 5000ABAAA |         | 5000AA7AA |
| M 10                                                             | 1,5  | 8,5  | DIN 352  | 70             | 22             | -              | 7              | 5,5  | 5000ABPAA | 5000ABQAA | 5000ABRAA |         | 5000ABNAA |
| M 11                                                             | 1,5  | 9,5  | DIN 352  | 70             | 22             | -              | 8              | 6,2  | 5000ABXAA | 5000ABYAA | 5000ABZAA |         | 5000ABWAA |
| M 12                                                             | 1,75 | 10,2 | DIN 352  | 75             | 24             | -              | 9              | 7    | 5000AB5AA | 5000AB6AA | 5000AB7AA |         | 5000AB4AA |
| M 14                                                             | 2    | 12   | DIN 352  | 80             | 26             | -              | 11             | 9    | 5000ACDAA | 5000ACEAA | 5000ACFAA |         | 5000ACCAA |
| M 16                                                             | 2    | 14   | DIN 352  | 80             | 27             | -              | 12             | 9    | 5000ACLAA | 5000ACMAA | 5000ACNAA |         | 5000ACKAA |
| M 20                                                             | 2,5  | 17,5 | DIN 352  | 95             | 32             | -              | 16             | 12   | 5000AC2AA | 5000AC3AA | 5000AC4AA |         | 5000AC1AA |
| M 24                                                             | 3    | 21   | DIN 352  | 110            | 34             | -              | 18             | 14,5 | 5000ADIAA | 5000ADJAA | 5000ADKAA |         | 5000ADHAA |
| M 27                                                             | 3    | 24   | DIN 352  | 110            | 36             | -              | 20             | 16   | 5000ADRAA | 5000ADSAA | 5000ADTAA |         | 5000ADQAA |
| M 30                                                             | 3,5  | 26,5 | DIN 352  | 125            | 40             | -              | 22             | 18   | 5000ADZAA | 5000AD0AA | 5000AD1AA |         | 5000ADYAA |
| M 33                                                             | 3,5  | 29,5 | DIN 352  | 125            | 40             | -              | 25             | 20   | 5000AD7AA | 5000AD8AA | 5000AD9AA |         | 5000AD6AA |
| M 36                                                             | 4    | 32   | DIN 352  | 150            | 50             | -              | 28             | 22   | 5000AEFAA | 5000AEGAA | 5000AEHAA |         | 5000AEEAA |
|                                                                  |      |      |          |                |                |                |                |      |           |           |           | ISO2X   | ISO2X     |
| MF 4                                                             | 0,35 | 3,65 | DIN 2181 | 45             | 9              | 22             | 4,5            | 3,4  | 5000AJ6AA |           | 5000AJ7AA |         | 5000AJ5AA |
| MF 4                                                             | 0,5  | 3,5  | DIN 2181 | 45             | 9              | 22             | 4,5            | 3,4  | 5000AJ9AA |           | 5000AKAAA |         | 5000AJ8AA |
| MF 5                                                             | 0,5  | 4,5  | DIN 2181 | 50             | 11             | 25             | 6              | 4,9  | 5000AKPAA |           | 5000AKQAA |         | 5000AKNAA |
| MF 6                                                             | 0,5  | 5,5  | DIN 2181 | 56             | 12             | 27             | 6              | 4,9  | 5000AKVAA |           | 5000AKWAA |         | 5000AKUAA |
| MF 6                                                             | 0,75 | 5,2  | DIN 2181 | 56             | 12             | 27             | 6              | 4,9  | 5000AK1AA |           | 5000AK2AA |         | 5000AK0AA |
| MF 8                                                             | 0,5  | 7,5  | DIN 2181 | 56             | 14             | -              | 6              | 4,9  | 5000ALAAA |           | 5000ALBAA |         | 5000AK9AA |
| MF 8                                                             | 0,75 | 7,2  | DIN 2181 | 56             | 14             | -              | 6              | 4,9  | 5000ALDAA |           | 5000ALEAA |         | 5000ALCAA |
| MF 8                                                             | 1    | 7    | DIN 2181 | 63             | 17             | -              | 6              | 4,9  | 5000ALJAA |           | 5000ALKAA |         | 5000ALIAA |
| MF 10                                                            | 0,75 | 9,2  | DIN 2181 | 63             | 18             | -              | 7              | 5,5  | 5000ALZAA |           | 5000AL0AA |         | 5000ALYAA |
| MF 10                                                            | 1    | 9    | DIN 2181 | 63             | 18             | -              | 7              | 5,5  | 5000AL2AA |           | 5000AL3AA |         | 5000AL1AA |
| MF 10                                                            | 1,25 | 8,8  | DIN 2181 | 70             | 22             | -              | 7              | 5,5  | 5000AL8AA |           | 5000AL9AA |         | 5000AL7AA |
| MF 12                                                            | 1    | 11   | DIN 2181 | 70             | 18             | -              | 9              | 7    | 5000AMHAA |           | 5000AMIAA |         | 5000AMGAA |
| MF 12                                                            | 1,25 | 10,8 | DIN 2181 | 70             | 20             | -              | 9              | 7    | 5000AMNAA |           | 5000AMPAA |         | 5000AMMAA |
| MF 12                                                            | 1,5  | 10,5 | DIN 2181 | 70             | 20             | -              | 9              | 7    | 5000AMRAA |           | 5000AMSA  |         | 5000AMQAA |
| MF 14                                                            | 1    | 13   | DIN 2181 | 70             | 18             | -              | 11             | 9    | 5000AM0AA |           | 5000AM1AA |         | 5000AMZAA |
| MF 14                                                            | 1,25 | 12,8 | DIN 2181 | 70             | 20             | -              | 11             | 9    | 5000AM6AA |           | 5000AM7AA |         | 5000AM5AA |
| MF 14                                                            | 1,5  | 12,5 | DIN 2181 | 70             | 20             | -              | 11             | 9    | 5000AM9AA |           | 5000ANAAA |         | 5000AM8AA |
| MF 16                                                            | 1    | 15   | DIN 2181 | 70             | 18             | -              | 12             | 9    | 5000ANLAA |           | 5000ANMAA |         | 5000ANKAA |
| MF 16                                                            | 1,5  | 14,5 | DIN 2181 | 70             | 20             | -              | 12             | 9    | 5000ANPAA |           | 5000ANQAA |         | 5000ANNAA |
| MF 18                                                            | 1    | 17   | DIN 2181 | 80             | 18             | -              | 14             | 11   | 5000ANVAA |           | 5000ANWAA |         | 5000ANUAA |
| MF 18                                                            | 1,5  | 16,5 | DIN 2181 | 80             | 22             | -              | 14             | 11   | 5000ANYAA |           | 5000ANZAA |         | 5000ANXAA |
| MF 18                                                            | 2    | 16   | DIN 2181 | 80             | 22             | -              | 14             | 11   | 5000AN4AA |           | 5000AN5AA |         | 5000AN3AA |
| MF 20                                                            | 1    | 19   | DIN 2181 | 80             | 18             | -              | 16             | 12   | 5000AN7AA |           | 5000AN8AA |         | 5000AN6AA |
| MF 20                                                            | 1,5  | 18,5 | DIN 2181 | 80             | 22             | -              | 16             | 12   | 5000APAAA |           | 5000APBAA |         | 5000AN9AA |
| MF 20                                                            | 2    | 18   | DIN 2181 | 80             | 22             | -              | 16             | 12   | 5000APGAA |           | 5000APHAA |         | 5000APFAA |
| MF 22                                                            | 1    | 21   | DIN 2181 | 80             | 18             | -              | 18             | 14,5 | 5000APJAA |           | 5000APKAA |         | 5000APIAA |
| MF 22                                                            | 1,5  | 20,5 | DIN 2181 | 80             | 22             | -              | 18             | 14,5 | 5000APMAA |           | 5000APNAA |         | 5000APLAA |
| MF 22                                                            | 2    | 20   | DIN 2181 | 80             | 22             | -              | 18             | 14,5 | 5000APTAA |           | 5000APUAA |         | 5000APSAA |
| MF 24                                                            | 1    | 23   | DIN 2181 | 90             | 18             | -              | 18             | 14,5 | 5000APWAA |           | 5000APXAA |         | 5000APVAA |



Vz1



M2



F3



SET



Vz1



M2



F3



SET

| -         |           |           |           | NIT       |           |           |           |                  |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------------|
| HSSE      |           |           |           | HSSE      |           |           |           |                  |
| C / 2-3   |           |           |           | C / 2-3   |           |           |           |                  |
|           |           |           |           |           |           |           |           | d <sub>1</sub> P |
|           |           |           |           |           |           |           |           | M 1 0,25         |
|           |           |           |           |           |           |           |           | M 1,4 0,3        |
|           |           | ISO2X     | ISO2X     |           |           | ISO2X     | ISO2X     |                  |
| 5020AABAA | 5020AACAA | 5020AADAA | 5020AAAAA |           |           |           |           | M 1,6 0,35       |
| 5020AANAA | 5020AAPAA | 5020AAQAA | 5020AAMAA |           |           |           |           | M 2 0,4          |
| 5020AAWAA | 5020AAXAA | 5020AAYAA | 5020AAVAA | 5030AAWAA | 5030AAXAA | 5030AAYAA | 5030AAVAA | M 2,5 0,45       |
| 5020AA0AA | 5020AA1AA | 5020AA2AA | 5020AAZAA |           |           |           |           | M 3 0,5          |
| 5020AA4AA | 5020AA5AA | 5020AA6AA | 5020AA3AA | 5030AA4AA | 5030AA5AA | 5030AA6AA | 5030AA3AA | M 3,5 0,6        |
| 5020AA8AA | 5020AA9AA | 5020ABAAA | 5020AA7AA | 5030AA8AA | 5030AA9AA | 5030ABAAA | 5030AA7AA | M 4 0,7          |
| 5020ABCAA | 5020ABDAA | 5020ABEAA | 5020ABBAA | 5030ABCAA | 5030ABDAA | 5030ABEAA | 5030ABBAA | M 5 0,8          |
|           |           |           |           |           |           |           |           | M 6 1            |
| 5020ABGAA | 5020ABHAA | 5020ABIAA | 5020ABFAA | 5030ABGAA | 5030ABHAA | 5030ABIAA | 5030ABFAA | M 7 1            |
| 5020ABKAA | 5020ABLAA | 5020ABMAA | 5020ABJAA | 5030ABKAA | 5030ABLAA | 5030ABMAA | 5030ABJAA | M 8 1,25         |
|           |           |           |           |           |           |           |           | M 10 1,5         |
|           |           |           |           |           |           |           |           | M 11 1,5         |
| 5020ABPAA | 5020ABQAA | 5020ABRAA | 5020ABNAA | 5030ABPAA | 5030ABQAA | 5030ABRAA | 5030ABNAA | M 12 1,75        |
| 5020ABTAA | 5020ABUAA | 5020ABVAA | 5020ABSAA |           |           |           |           | M 14 2           |
| 5020ABXAA | 5020ABYAA | 5020ABZAA | 5020ABWAA | 5030ABXAA | 5030ABYAA | 5030ABZAA | 5030ABWAA | M 16 2           |
| 5020AB5AA | 5020AB6AA | 5020AB7AA | 5020AB4AA | 5030AB5AA | 5030AB6AA | 5030AB7AA | 5030AB4AA | M 20 2,5         |
| 5020ACDAA | 5020ACEAA | 5020ACFAA | 5020ACCAA |           |           |           |           | M 24 3           |
|           |           |           |           |           |           |           |           | M 27 3           |
|           |           |           |           |           |           |           |           | M 30 3,5         |
|           |           |           |           |           |           |           |           | M 33 3,5         |
|           |           |           |           |           |           |           |           | M 36 4           |
|           |           | ISO2X     | ISO2X     |           |           |           |           |                  |
|           |           |           |           |           |           |           |           | MF 4 0,35        |
|           |           |           |           |           |           |           |           | MF 4 0,5         |
|           |           |           |           |           |           |           |           | MF 5 0,5         |
|           |           |           |           |           |           |           |           | MF 6 0,5         |
|           |           |           |           |           |           |           |           | MF 6 0,75        |
|           |           |           |           |           |           |           |           | MF 8 0,5         |
|           |           |           |           |           |           |           |           | MF 8 0,75        |
| 5020ADMAA | 5020ADNAA | 5020ADPAA | 5020ADLAA |           |           |           |           | MF 8 1           |
|           |           |           |           |           |           |           |           | MF 10 0,75       |
| 5020ADRAA | 5020ADSAA | 5020ADTAA | 5020ADQAA |           |           |           |           | MF 10 1          |
|           |           |           |           |           |           |           |           | MF 10 1,25       |
|           |           |           |           |           |           |           |           | MF 12 1          |
|           |           |           |           |           |           |           |           | MF 12 1,25       |
| 5020ADZAA | 5020AD0AA | 5020AD1AA | 5020ADYAA |           |           |           |           | MF 12 1,5        |
|           |           |           |           |           |           |           |           | MF 14 1          |
|           |           |           |           |           |           |           |           | MF 14 1,25       |
| 5020AD3AA | 5020AD4AA | 5020AD5AA | 5020AD2AA |           |           |           |           | MF 14 1,5        |
|           |           |           |           |           |           |           |           | MF 16 1          |
| 5020AD7AA | 5020AD8AA | 5020AD9AA | 5020AD6AA |           |           |           |           | MF 16 1,5        |
|           |           |           |           |           |           |           |           | MF 18 1          |
|           |           |           |           |           |           |           |           | MF 18 1,5        |
|           |           |           |           |           |           |           |           | MF 18 2          |
|           |           |           |           |           |           |           |           | MF 20 1          |
|           |           |           |           |           |           |           |           | MF 20 1,5        |
|           |           |           |           |           |           |           |           | MF 20 2          |
|           |           |           |           |           |           |           |           | MF 22 1          |
|           |           |           |           |           |           |           |           | MF 22 1,5        |
|           |           |           |           |           |           |           |           | MF 22 2          |
|           |           |           |           |           |           |           |           | MF 24 1          |

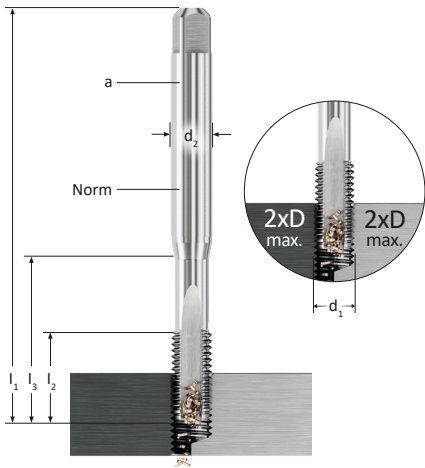
Der Führungszapfen des Vz1 gewährleistet ein fluchtendes Anschneiden.

The guide journal of Vz1 ensures a flush lead.

La partie pilote de l'ébaucher assure un parfait centrage.

Il primo maschio della serie è munito di guida che assicura la centricità della filettatura con il preforo.





V1



M2

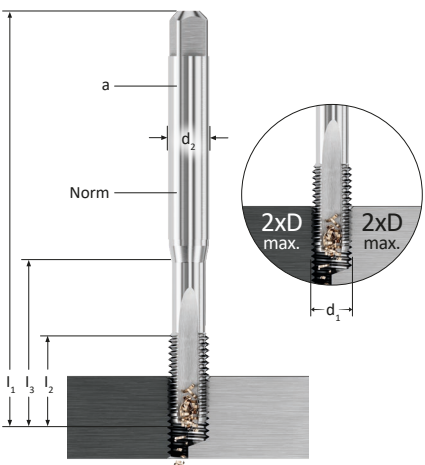


F3



SET

| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |   |    |      |                |                |                |                |     |     | -         |           |           |           |
|------------------------------------------------------------------|---|----|------|----------------|----------------|----------------|----------------|-----|-----|-----------|-----------|-----------|-----------|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |   |    |      |                |                |                |                |     |     | HSSE      |           |           |           |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |   |    |      |                |                |                |                |     |     | A / 5-6   | D / 3-4   | C / 2-3   |           |
| d <sub>1</sub>                                                   | - | P  | NORM | I <sub>1</sub> | I <sub>2</sub> | I <sub>3</sub> | d <sub>2</sub> | a   |     | 2BX       |           | 2BX       |           |
| UNC NR 4                                                         | - | 40 | 2,35 | DIN 352        | 40             | 10             | 18             | 3,5 | 2,7 | 5000ATHAA | 5000A1259 | 5000BAZAA | 5000A1234 |
| UNC NR 6                                                         | - | 32 | 2,85 | DIN 352        | 45             | 11             | 20             | 4   | 3   | 5000ATNAA | 5000A1261 | 5000BA5AA | 5000A1236 |
| UNC NR 8                                                         | - | 32 | 3,5  | DIN 352        | 45             | 12             | 22             | 4,5 | 3,4 | 5000ATRAA | 5000A1262 | 5000BA8AA | 5000A1237 |
| UNC NR 10                                                        | - | 24 | 3,9  | DIN 352        | 50             | 14             | 25             | 6   | 4,9 | 5000ATXAA | 5000A1263 | 5000BBEAA | 5000A1238 |
| UNC 1/4                                                          | - | 20 | 5,1  | DIN 352        | 56             | 16             | 28             | 6   | 4,9 | 5000ARYAA | 5000A1265 | 5000A9FAA | 5000A1240 |
| UNC 5/16                                                         | - | 18 | 6,6  | DIN 352        | 63             | 20             | -              | 6   | 4,9 |           |           |           |           |
| UNC 3/8                                                          | - | 16 | 8    | DIN 352        | 70             | 22             | -              | 7   | 5,5 | 5000AR4AA | 5000A1267 | 5000A9LAA | 5000A1242 |
| UNC 1/2                                                          | - | 13 | 10,8 | DIN 352        | 75             | 25             | -              | 9   | 7   | 5000ASAAA | 5000A1269 | 5000A9SAA | 5000A1244 |
| UNF 1/4                                                          | - | 28 | 5,5  | DIN 352        | 56             | 16             | 28             | 6   | 4,9 |           |           |           |           |
| UNF 5/16                                                         | - | 24 | 6,9  | DIN 352        | 63             | 17             | -              | 6   | 4,9 |           |           |           |           |
| UNF 3/8                                                          | - | 24 | 8,5  | DIN 352        | 63             | 18             | -              | 7   | 5,5 |           |           |           |           |
| UNF 7/16                                                         | - | 20 | 9,9  | DIN 352        | 70             | 22             | -              | 8   | 6,2 |           |           |           |           |
| UNF 1/2                                                          | - | 20 | 11,5 | DIN 352        | 70             | 20             | -              | 9   | 7   |           |           |           |           |



V1



F3



SET

| OBERFLÄCHE / SURFACE<br>SURFACE / SUPERFICIE                     |   |    |       |                |                |                |                |    |     | -         |           |           |  |
|------------------------------------------------------------------|---|----|-------|----------------|----------------|----------------|----------------|----|-----|-----------|-----------|-----------|--|
| SCHNEIDSTOFF / MATERIAL<br>MATIÈRE / MATERIALE                   |   |    |       |                |                |                |                |    |     | HSSE      |           |           |  |
| ANSCHNITTFORM / CHAMFER FORM<br>FORME D'ENTRÉE / FORMA D'IMBOCCO |   |    |       |                |                |                |                |    |     | D / 3-4   | C / 2-3   |           |  |
| d <sub>1</sub>                                                   | - | P  | NORM  | I <sub>1</sub> | I <sub>2</sub> | I <sub>3</sub> | d <sub>2</sub> | a  |     | 2BX       |           | 2BX       |  |
| G 1/8                                                            | - | 28 | 8,8   | DIN 352        | 63             | 18             | -              | 7  | 5,5 | 5000AYWAA | 5000AYXAA | 5000AYVAA |  |
| G 1/4                                                            | - | 19 | 11,8  | DIN 352        | 70             | 20             | -              | 11 | 9   | 5000AYZAA | 5000AY0AA | 5000AYYAA |  |
| G 3/8                                                            | - | 19 | 15,25 | DIN 352        | 70             | 20             | -              | 12 | 9   | 5000AY2AA | 5000AY3AA | 5000AY1AA |  |
| G 1/2                                                            | - | 14 | 19    | DIN 352        | 80             | 22             | -              | 16 | 12  | 5000AY5AA | 5000AY6AA | 5000AY4AA |  |
| G 3/4                                                            | - | 14 | 24,5  | DIN 352        | 90             | 22             | -              | 20 | 16  | 5000AZBAA | 5000AZCAA | 5000AZAAA |  |

## NORIS SATZ ERGO



Vz1



M2



F3



SET

|           |           |           |           |                    |
|-----------|-----------|-----------|-----------|--------------------|
| -         |           |           |           |                    |
| HSSE      |           |           |           |                    |
| C / 2-3   |           |           |           |                    |
|           |           | 2BX       | 2BX       | d <sub>1</sub> - P |
|           |           |           |           | UNC NR 4 - 40      |
|           |           |           |           | UNC NR 6 - 32      |
|           |           |           |           | UNC NR 8 - 32      |
|           |           |           |           | UNC NR 10 - 24     |
| 5020AQYAA | 5020AQZAA | 5020AQ0AA | 5020AQXAA | UNC 1/4 - 20       |
| 5020AQ2AA | 5020AQ3AA | 5020AQ4AA | 5020AQ1AA | UNC 5/16 - 18      |
| 5020AQ6AA | 5020AQ7AA | 5020AQ8AA | 5020AQ5AA | UNC 3/8 - 16       |
| 5020AREAA | 5020ARFAA | 5020ARGAA | 5020ARDAA | UNC 1/2 - 13       |
| 5020AN0AA | 5020AN1AA | 5020AN2AA | 5020ANZAA | UNF 1/4 - 28       |
| 5020AN4AA | 5020AN5AA | 5020AN6AA | 5020AN3AA | UNF 5/16 - 24      |
| 5020AN8AA | 5020AN9AA | 5020APAAA | 5020AN7AA | UNF 3/8 - 24       |
| 5020APCAA | 5020APDAA | 5020APEAA | 5020APBAA | UNF 7/16 - 20      |
| 5020APGAA | 5020APHAA | 5020APIAA | 5020APFAA | UNF 1/2 - 20       |

## NORIS SATZ ERGO



Vz1



M2



F3



SET

|           |           |           |           |                    |
|-----------|-----------|-----------|-----------|--------------------|
| -         |           |           |           |                    |
| HSSE      |           |           |           |                    |
| C / 2-3   |           |           |           |                    |
|           |           | 2BX       | 2BX       | d <sub>1</sub> - P |
| 5020AJ9AA | 5020AKAAA | 5020AKBAA | 5020AJ8AA | G 1/8 - 28         |
| 5020AKDAA | 5020AKEAA | 5020AKFAA | 5020AKCAA | G 1/4 - 19         |
| 5020AKHAA | 5020AKIAA | 5020AKJAA | 5020AKGAA | G 3/8 - 19         |
| 5020AKLAA | 5020AKMAA | 5020AKNAA | 5020AKKAA | G 1/2 - 14         |
| 5020AKUAA | 5020AKVAA | 5020AKWAA | 5020AKTAA | G 3/4 - 14         |

Der Führungszapfen des Vz1 gewährleistet ein fluchtendes Anschneiden.

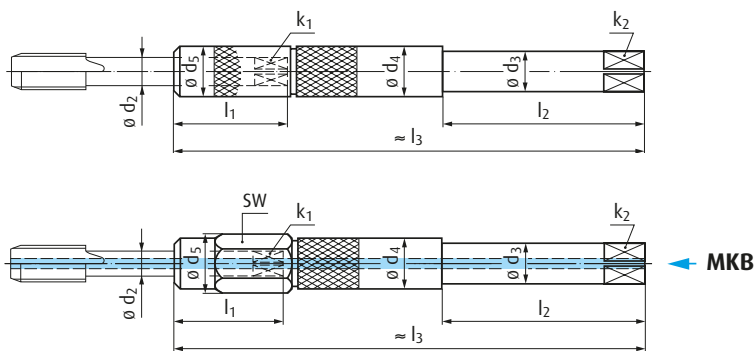
The guide journal of Vz1 ensures a flush lead.

La partie pilote de l'ébaucher assure un parfait centrage.

Il primo maschio della serie è munito di guida che assicura la centricità della filettatura con il preforo.

# Schaftverlängerungen, kurze Ausführung

Shank extensions, short design | Allonges porte-tarauts, version courte | Prolunghe speciali, esecuzione corta

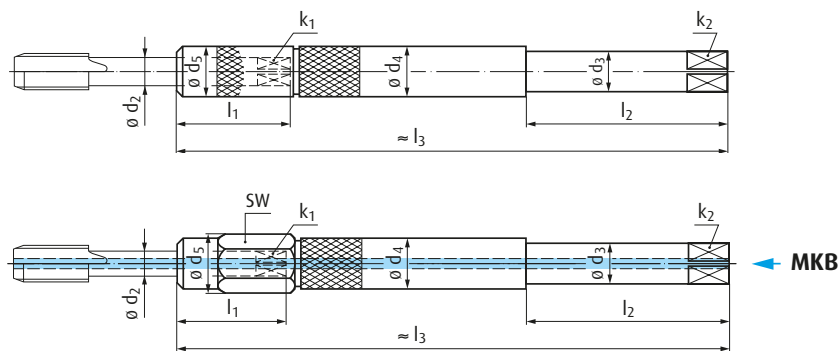


Für den Einsatz auf herkömmlichen Gewindeschneideeinrichtungen  
For use on CNC machines and conventional thread cutting machinery  
Pour utilisation sur machines CNC et tous dispositifs de taraudage conventionnels  
Per l'impiego su macchina CNC ed apparecchiature a filettare tradizionali

| Größe<br>Size<br>Taille<br>Grand. | Baumaße Gewindebohrer<br>Dimensions of tap<br>Dimensions taraud<br>Dimensioni maschio |                |             |             | Baumaße Schaftverlängerung<br>Dimensions of extensions<br>Dimensions allonge porte-taraud<br>Dimensioni prolunga |                |                |                |                |                                | MKB     |                |                |    |          |
|-----------------------------------|---------------------------------------------------------------------------------------|----------------|-------------|-------------|------------------------------------------------------------------------------------------------------------------|----------------|----------------|----------------|----------------|--------------------------------|---------|----------------|----------------|----|----------|
|                                   | d <sub>2</sub>                                                                        | k <sub>1</sub> | DIN 371     | DIN 374/376 | l <sub>1</sub>                                                                                                   | l <sub>2</sub> | l <sub>3</sub> | d <sub>3</sub> | k <sub>2</sub> | d <sub>4</sub> /d <sub>5</sub> |         | d <sub>4</sub> | d <sub>5</sub> | SW |          |
| 1                                 | 2,8                                                                                   | 2,1            | M 2 - M2,6  | M4          | 21                                                                                                               | 60             | 130            | 6              | 4,9            | 6,1                            | 9951V01 | 6,1            | 6,5            | 6  | 9953VK01 |
| 2                                 | 3,5                                                                                   | 2,7            | M 3         | M 4,5 - M 5 | 22                                                                                                               | 60             | 130            | 6              | 4,9            | 7,5                            | 9951V02 | 7,5            | 9              | 8  | 9953VK02 |
| 3                                 | 4                                                                                     | 3              | M 3,5       | M 5,5       | 22                                                                                                               | 60             | 130            | 6              | 4,9            | 8,4                            | 9951V03 | 8,4            | 10             | 9  | 9953VK03 |
| 4                                 | 4,5                                                                                   | 3,4            | M 4         | M 6         | 22                                                                                                               | 60             | 130            | 6              | 4,9            | 8,4                            | 9951V04 | 8,4            | 10             | 9  | 9953VK04 |
| 5                                 | 6                                                                                     | 4,9            | M 4,5 - M 6 | M 8         | 25                                                                                                               | 60             | 130            | 7              | 5,5            | 12,1                           | 9951V05 | 12,1           | 13,5           | 12 | 9953VK05 |
| 6                                 | 7                                                                                     | 5,5            | M 7         | M 9 - M10   | 25                                                                                                               | 60             | 130            | 7              | 5,5            | 12,1                           | 9951V06 | 12,1           | 13,5           | 12 | 9953VK06 |
| 7                                 | 8                                                                                     | 6,2            | M 8         | M11         | 29                                                                                                               | 60             | 130            | 8              | 6,2            | 13                             | 9951V07 | 13             | 14,5           | 13 | 9953VK07 |
| 8                                 | 9                                                                                     | 7              | M 9         | M12         | 30                                                                                                               | 60             | 130            | 9              | 7              | 15                             | 9951V08 | 15             | 16,5           | 15 | 9953VK08 |
| 9                                 | 10                                                                                    | 8              | M10         | —           | 32                                                                                                               | 60             | 130            | 10             | 8              | 15                             | 9951V09 | 15             | 16,5           | 15 | 9953VK09 |
| 10                                | 11                                                                                    | 9              | —           | M14         | 35                                                                                                               | 90             | 180            | 11             | 9              | 18                             | 9951V10 | 18             | 20             | 18 | 9953VK10 |
| 11                                | 12                                                                                    | 9              | (M12)       | M16         | 35                                                                                                               | 90             | 180            | 12             | 9              | 18                             | 9951V11 | 18             | 20             | 18 | 9953VK11 |
| 12                                | 14                                                                                    | 11             | —           | M18         | 39                                                                                                               | 90             | 180            | 14             | 11             | 22                             | 9951V12 | 22             | 25             | 22 | 9953VK12 |
| 13                                | 16                                                                                    | 12             | —           | M20         | 40                                                                                                               | 90             | 180            | 16             | 12             | 22                             | 9951V13 | 22             | 25             | 22 | 9953VK13 |
| 14                                | 18                                                                                    | 14,5           | —           | M22 - M24   | 42                                                                                                               | 100            | 200            | 18             | 14,5           | 26                             | 9951V14 | 26             | 29             | 26 | 9953VK14 |
| 15                                | 20                                                                                    | 16             | —           | M27         | 44                                                                                                               | 100            | 200            | 20             | 16             | 28                             | 9951V15 | 28             | 32             | 28 | 9953VK15 |
| 16                                | 22                                                                                    | 18             | —           | M30         | 46                                                                                                               | 100            | 200            | 22             | 18             | 30                             | 9951V16 | 30             | 34             | 30 | 9953VK16 |
| 17                                | 25                                                                                    | 20             | —           | M33         | 49                                                                                                               | 100            | 200            | 25             | 20             | 35                             | 9951V17 | 35             | 41             | 36 | 9953VK17 |

# Schaftverlängerungen, lange Ausführung

Shank extensions, long design | Allonges porte-tarauts, version longue | Prolunghe speciali, esecuzione lunga



Für den Einsatz auf herkömmlichen Gewindeschneideinrichtungen  
For use on CNC machines and conventional thread cutting machinery  
Pour utilisation sur machines CNC et tous dispositifs de taraudage conventionnels  
Per l'impiego su macchina CNC ed apparecchiature a filettare tradizionali

| Größe<br>Size<br>Taille<br>Grand. | Baumaße Gewindebohrer<br>Dimensions of tap<br>Dimensions taraud<br>Dimensioni maschio |                |             |             | Baumaße Schaftverlängerung<br>Dimensions of extensions<br>Dimensions allonge porte-taraut<br>Dimensioni prolunga |                |                |                |                |                                | MKB     |                |                |    |          |
|-----------------------------------|---------------------------------------------------------------------------------------|----------------|-------------|-------------|------------------------------------------------------------------------------------------------------------------|----------------|----------------|----------------|----------------|--------------------------------|---------|----------------|----------------|----|----------|
|                                   | d <sub>2</sub>                                                                        | k <sub>1</sub> | DIN 371     | DIN 374/376 | l <sub>1</sub>                                                                                                   | l <sub>2</sub> | l <sub>3</sub> | d <sub>3</sub> | k <sub>2</sub> | d <sub>4</sub> /d <sub>5</sub> |         | d <sub>4</sub> | d <sub>5</sub> | SW |          |
| 1                                 | 2,8                                                                                   | 2,1            | M 2 - M2,6  | M4          | 21                                                                                                               | 70             | 230            | 6              | 4,9            | 6,1                            | 9952V01 | 6,1            | 6,5            | 6  | 9954VK01 |
| 2                                 | 3,5                                                                                   | 2,7            | M 3         | M 4,5 - M 5 | 22                                                                                                               | 70             | 230            | 6              | 4,9            | 7,5                            | 9952V02 | 7,5            | 9              | 8  | 9954VK02 |
| 3                                 | 4                                                                                     | 3              | M 3,5       | M 5,5       | 22                                                                                                               | 70             | 230            | 6              | 4,9            | 8,4                            | 9952V03 | 8,4            | 10             | 9  | 9954VK03 |
| 4                                 | 4,5                                                                                   | 3,4            | M 4         | M 6         | 22                                                                                                               | 70             | 230            | 6              | 4,9            | 8,4                            | 9952V04 | 8,4            | 10             | 9  | 9954VK04 |
| 5                                 | 6                                                                                     | 4,9            | M 4,5 - M 6 | M 8         | 25                                                                                                               | 70             | 230            | 7              | 5,5            | 12,1                           | 9952V05 | 12,1           | 13,5           | 12 | 9954VK05 |
| 6                                 | 7                                                                                     | 5,5            | M 7         | M 9 - M10   | 25                                                                                                               | 70             | 230            | 7              | 5,5            | 12,1                           | 9952V06 | 12,1           | 13,5           | 12 | 9954VK06 |
| 7                                 | 8                                                                                     | 6,2            | M 8         | M11         | 29                                                                                                               | 80             | 230            | 8              | 6,2            | 13                             | 9952V07 | 13             | 14,5           | 13 | 9954VK07 |
| 8                                 | 9                                                                                     | 7              | M 9         | M12         | 30                                                                                                               | 80             | 230            | 9              | 7              | 15                             | 9952V08 | 15             | 16,5           | 15 | 9954VK08 |
| 9                                 | 10                                                                                    | 8              | M10         | -           | 32                                                                                                               | 80             | 230            | 10             | 8              | 15                             | 9952V09 | 15             | 16,5           | 15 | 9954VK09 |
| 10                                | 11                                                                                    | 9              | -           | M14         | 35                                                                                                               | 90             | 330            | 11             | 9              | 18                             | 9952V10 | 18             | 20             | 18 | 9954VK10 |
| 11                                | 12                                                                                    | 9              | (M12)       | M16         | 35                                                                                                               | 90             | 330            | 12             | 9              | 18                             | 9952V11 | 18             | 20             | 18 | 9954VK11 |
| 12                                | 14                                                                                    | 11             | -           | M18         | 39                                                                                                               | 90             | 330            | 14             | 11             | 22                             | 9952V12 | 22             | 25             | 22 | 9954VK12 |
| 13                                | 16                                                                                    | 12             | -           | M20         | 40                                                                                                               | 90             | 330            | 16             | 12             | 22                             | 9952V13 | 22             | 25             | 22 | 9954VK13 |
| 14                                | 18                                                                                    | 14,5           | -           | M22 - M24   | 42                                                                                                               | 100            | 330            | 18             | 14,5           | 26                             | 9952V14 | 26             | 29             | 26 | 9954VK14 |
| 15                                | 20                                                                                    | 16             | -           | M27         | 44                                                                                                               | 100            | 330            | 20             | 16             | 28                             | 9952V15 | 28             | 32             | 28 | 9954VK15 |
| 16                                | 22                                                                                    | 18             | -           | M30         | 46                                                                                                               | 100            | 330            | 22             | 18             | 30                             | 9952V16 | 30             | 34             | 30 | 9954VK16 |
| 17                                | 25                                                                                    | 20             | -           | M33         | 49                                                                                                               | 100            | 330            | 25             | 20             | 35                             | 9952V17 | 35             | 41             | 36 | 9954VK17 |