

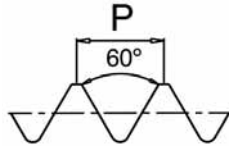
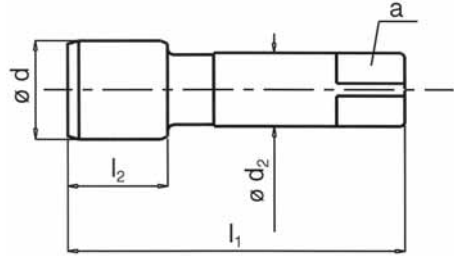
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Unified Feingewinde ANSI B 1.1

Baumaße DIN 2184 Teil 2, Satz à 2 Stück

Unified Fine Threads ANSI B 1.1

Dimensions DIN 2184 part 2, Set of 2 pieces



| Katalog Nr.<br>Bezeichnung              | Catalogue No.<br>Name                | 113 061<br>Hahnreiter  | 113 062<br>Hahnreiter        | 113 060<br>Hahnreiter          |                |      |       |                               |   |   |
|---|--------------------------------------|--|------------------------------|--------------------------------|----------------|------|-------|-------------------------------|---|---|
| Toleranz                                | Tolerance                            | Nr. 1  | 2B                           | 2B                             |                |      |       |                               |   |   |
| Anschnittform                           | Chamfer form                         |  | C                            |                                |                |      |       |                               |   |   |
| Anschnittlänge, Gang<br>für Bohrungsart | Chamfer length, threads<br>For holes | 5  | 2-3                          |                                |                |      |       |                               |   |   |
|   |                                      |  |                              |                                |                |      |       |                               |   |   |
| hauptsächliches Einsatzgebiet           | Main use                             | alle gut spanbaren Materialien bis 800 N/mm <sup>2</sup><br>all free machining materials up to 800 N/mm <sup>2</sup> |                              |                                |                |      |       |                               |   |   |
| Ausführung                              | Variation                            | Vorschneider<br>Taper  | Fertigschneider<br>Bottoming | Satz à 2 Stück<br>Set of 2 pc. |                |      |       |                               |   |   |
| Oberfläche                              | Surface                              |  |                              |                                |                |      |       |                               |   |   |
| d                                       | P<br>Gg/1"                           | Ø<br>mm  | l <sub>1</sub>               | l <sub>2</sub>                 | d <sub>2</sub> | a    |       | Verfügbarkeit<br>Availability |   |   |
| Nr. 1                                   | - 72                                 | 01,85  | 36                           | 8                              | 2,8            | 2,1  | 1,55  | x                             | x | x |
| Nr. 2                                   | - 64                                 | 02,18  | 36                           | 9                              | 2,8            | 2,1  | 1,85  | x                             | x | x |
| Nr. 3                                   | - 56                                 | 02,52  | 40                           | 9                              | 2,8            | 2,1  | 2,15  | x                             | x | x |
| Nr. 4                                   | - 48                                 | 02,85  | 40                           | 11                             | 3,5            | 2,7  | 2,40  | x                             | x | x |
| Nr. 5                                   | - 44                                 | 03,18  | 40                           | 11                             | 3,5            | 2,7  | 2,70  | x                             | x | x |
| Nr. 6                                   | - 40                                 | 03,51  | 45                           | 10                             | 4,0            | 3,0  | 2,95  | x                             | x | x |
| Nr. 8                                   | - 36                                 | 04,17  | 45                           | 12                             | 4,5            | 3,4  | 3,50  | x                             | x | x |
| Nr. 10                                  | - 32                                 | 04,83  | 50                           | 14                             | 6,0            | 4,9  | 4,10  | x                             | x | x |
| Nr. 12                                  | - 28                                 | 05,49  | 56                           | 16                             | 6,0            | 4,9  | 4,60  | x                             | x | x |
| 1/4                                     | - 28                                 | 06,35  | 56                           | 16                             | 6,0            | 4,9  | 5,50  | x                             | x | x |
| 5/16                                    | - 24                                 | 07,94  | 63                           | 20                             | 6,0            | 4,9  | 6,90  | x                             | x | x |
| 3/8                                     | - 24                                 | 09,53  | 63                           | 22                             | 7,0            | 5,5  | 8,50  | x                             | x | x |
| 7/16                                    | - 20                                 | 11,11  | 70                           | 22                             | 8,0            | 6,2  | 9,90  | x                             | x | x |
| 1/2                                     | - 20                                 | 12,70  | 70                           | 22                             | 9,0            | 7,0  | 11,50 | x                             | x | x |
| 9/16                                    | - 18                                 | 14,29  | 70                           | 22                             | 11,0           | 9,0  | 12,90 | x                             | x | x |
| 5/8                                     | - 18                                 | 15,88  | 70                           | 22                             | 12,0           | 9,0  | 14,50 | x                             | x | x |
| 3/4                                     | - 16                                 | 19,05  | 80                           | 22                             | 14,0           | 11,0 | 17,50 | x                             | x | x |
| 7/8                                     | - 14                                 | 22,23  | 80                           | 22                             | 18,0           | 14,5 | 20,40 | x                             | x | x |
| 1                                       | - 12                                 | 25,40  | 90                           | 22                             | 18,0           | 14,5 | 23,25 | x                             | x | x |
| 1.1/8                                   | - 12                                 | 28,58  | 90                           | 22                             | 22,0           | 18,0 | 26,50 | x                             | x | x |
| 1.1/4                                   | - 12                                 | 31,75  | 90                           | 22                             | 22,0           | 18,0 | 29,50 | x                             | x | x |
| 1.3/8                                   | - 12                                 | 34,93  | 125                          | 30                             | 28,0           | 22,0 | 32,75 | x                             | x | x |
| 1.1/2                                   | - 12                                 | 38,10  | 125                          | 30                             | 28,0           | 22,0 | 36,00 | x                             | x | x |

x = ab Lager, Zwischenverkauf vorbehalten  
o = nur solange Lagervorrat vorhanden  
x = normally ex stock  
o = available while stocks last

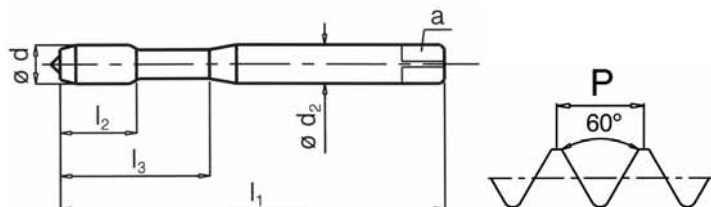
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Unified Feingewinde ANSI B 1.1

Baumaße DIN 2184 Teil 1, verstärkter Schaft

Unified Fine Threads ANSI B 1.1

Dimensions DIN 2184 part 1, Reinforced shank



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| Katalog Nr.<br>Bezeichnung                      | Catalogue No.<br>Name                        | 113 200<br>Hahnreiter | 113 205<br>Dulofix | 113 210<br>Dulofix TiN | 113 295<br>Dulofix TiCN | 113 216<br>Standfest 2         |     |      |                               |   |   |  |   |  |  |   |
|---|--|-----------------------|--------------------|------------------------|-------------------------|--------------------------------|-----|------|-------------------------------|---|---|--|---|--|--|---|
| Toleranz  | Tolerance                                    | 2B                    | 2B                 | 2B                     | 2B                      | 2B                             |     |      |                               |   |   |  |   |  |  |   |
| Anschnittform                                   | Chamfer form                                 | C                     | B                  | B                      | B                       | B                              |     |      |                               |   |   |  |   |  |  |   |
| Anschnittlänge, Gang                            | Chamfer length, threads                      | 2-3                   | 4-5                | 4-5                    | 4-5                     | 4-5                            |     |      |                               |   |   |  |   |  |  |   |
| für Bohrungsart                                 | For holes                                    |                       |                    |                        |                         |                                |     |      |                               |   |   |  |   |  |  |   |
| Sonderwerkstoff                                 | Special material                             |                       |                    |                        |                         |                                |     |      |                               |   |   |  |   |  |  |   |
| Zerspanungsgruppe,<br>siehe Ausklappseite links | Machinability-group,<br>See folder left page |                       |                    |                        |                         |                                |     |      |                               |   |   |  |   |  |  |   |
| Oberfläche                                      | Surface                                      |                       |                    | TiN                    | TiCN                    |                                |     |      |                               |   |   |  |   |  |  |   |
| Ausführung                                      | Variation                                    |                       |                    |                        |                         | 2 Schmiernuten<br>2 oilgrooves |     |      |                               |   |   |  |   |  |  |   |
| Typenbeschreibung ab Seite                      | Type description from page                   | 178                   | 178                | 178                    | 178                     | 178                            |     |      |                               |   |   |  |   |  |  |   |
| d   | P  | Ø                     | l <sub>1</sub>     | l <sub>2</sub>         | l <sub>3</sub>          | d <sub>2</sub>                 | a   |      | Verfügbarkeit<br>Availability |   |   |  |   |  |  |   |
|   | Gg/1"  | mm                    |                    |                        |                         |                                |     |      |                               |   |   |  |   |  |  |   |
| Nr. 1   | - 72   | 01,85                 | 45                 | 6                      | 10                      | 2,8                            | 2,1 | 1,55 | o                             |   |   |  |   |  |  |   |
| Nr. 2   | - 64   | 02,18                 | 45                 | 6                      | 10                      | 2,8                            | 2,1 | 1,85 | x                             | x |   |  |   |  |  | o |
| Nr. 3   | - 56   | 02,52                 | 50                 | 9                      | 14                      | 2,8                            | 2,1 | 2,15 | x                             | x |   |  |   |  |  | o |
| Nr. 4   | - 48   | 02,85                 | 56                 | 10                     | 16                      | 3,5                            | 2,7 | 2,40 | x                             | x |   |  |   |  |  | o |
| Nr. 5   | - 44   | 03,18                 | 56                 | 10                     | 18                      | 3,5                            | 2,7 | 2,70 | x                             | x |   |  |   |  |  | o |
| Nr. 6   | - 40   | 03,51                 | 56                 | 11                     | 20                      | 4,0                            | 3,0 | 2,95 | x                             | x | x |  | x |  |  | o |
| Nr. 8   | - 36   | 04,17                 | 63                 | 13                     | 21                      | 4,5                            | 3,4 | 3,50 | x                             | x | x |  | x |  |  | o |
| Nr. 10  | - 32   | 04,83                 | 70                 | 14                     | 25                      | 6,0                            | 4,9 | 4,10 | x                             | x | x |  | x |  |  | o |
| Nr. 12  | - 28   | 05,49                 | 80                 | 17                     | 30                      | 6,0                            | 4,9 | 4,60 | x                             | x |   |  |   |  |  | o |
| 1/4   | - 28   | 06,35                 | 80                 | 17                     | 30                      | 7,0                            | 5,5 | 5,50 | x                             | x | x |  | x |  |  |   |
| 5/16  | - 24   | 07,94                 | 90                 | 18                     | 35                      | 8,0                            | 6,2 | 6,90 | x                             | x | x |  | x |  |  |   |
| 3/8   | - 24   | 09,53                 | 100                | 20                     | 39                      | 10,0                           | 8,0 | 8,50 | x                             | x | x |  | x |  |  |   |

x = ab Lager, Zwischenverkauf vorbehalten  
o = nur solange Lagervorrat vorhanden  
x = normally ex stock  
o = available while stocks last

\*\* SSP = Steilschnecke  
\*\* SSP = quick spiral

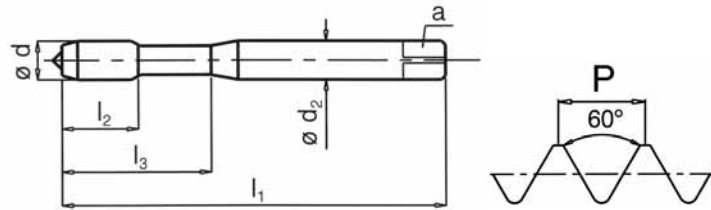
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Unified Feingewinde ANSI B 1.1

Baumaße DIN 2184 Teil 1, verstärkter Schaft

Unified Fine Threads ANSI B 1.1

Dimensions DIN 2184 part 1, Reinforced shank



| Katalog Nr.<br>Bezeichnung                      | Catalogue No.<br>Name                        | 113 218<br>Spiralo 15 | 113 226<br>Spiralo 35 | 113 235<br>Spiralo 35 TiN | 113 296<br>Spiralo 35 TiCN | 113 252<br>Spiralo 45 |                |     |      |               |               |               |               |
|---|--|-----------------------|-----------------------|---------------------------|----------------------------|-----------------------|----------------|-----|------|---------------|---------------|---------------|---------------|
| Toleranz  | Tolerance                                    | 2B                    | 2B                    | 2B                        | 2B                         | 2B                    |                |     |      |               |               |               |               |
| Anschnittform                                   | Chamfer form                                 | C                     | C                     | C                         | C                          | C                     |                |     |      |               |               |               |               |
| Anschnittlänge, Gang                            | Chamfer length, threads                      | 2-3                   | 2-3                   | 2-3                       | 2-3                        | 2-3                   |                |     |      |               |               |               |               |
| für Bohrungsart                                 | For holes                                    |                       |                       |                           |                            |                       |                |     |      |               |               |               |               |
| Sonderwerkstoff                                 | Special material                             |                       |                       |                           |                            | Aluminium             |                |     |      |               |               |               |               |
| Zerspanungsgruppe,<br>siehe Ausklappseite links | Machinability-group,<br>See folder left page |                       |                       |                           |                            | 3.20 / 4.14           |                |     |      |               |               |               |               |
| Oberfläche                                      | Surface                                      |                       |                       | TiN                       | TiCN                       |                       |                |     |      |               |               |               |               |
| Ausführung                                      | Variation                                    |                       |                       |                           |                            | 2 Nuten<br>2 flutes   |                |     |      |               |               |               |               |
| Typenbeschreibung ab Seite                      | Type description from page                   | 178                   | 178                   | 178                       | 178                        | 178                   |                |     |      |               |               |               |               |
| d   | P  | Ø                     | l <sub>1</sub>        | l <sub>2</sub>            | l <sub>2</sub>             | l <sub>3</sub>        | d <sub>2</sub> | a   |      | Verfügbarkeit | Verfügbarkeit | Verfügbarkeit | Verfügbarkeit |
|   | Gg/1"  | mm                    |                       |                           | SSP**                      |                       |                |     |      | Availability  | Availability  | Availability  | Availability  |
| Nr. 2   | - 64   | 02,18                 | 45                    | 6                         |                            | 10                    | 2,8            | 2,1 | 1,85 | x             | x             |               |               |
| Nr. 3   | - 56   | 02,52                 | 50                    | 9                         |                            | 14                    | 2,8            | 2,1 | 2,15 | x             | x             |               |               |
| Nr. 4   | - 48   | 02,85                 | 56                    | 10                        | 6                          | 16                    | 3,5            | 2,7 | 2,40 | x             | x             |               |               |
| Nr. 5   | - 44   | 03,18                 | 56                    | 10                        | 6                          | 18                    | 3,5            | 2,7 | 2,70 | x             | x             |               |               |
| Nr. 6   | - 40   | 03,51                 | 56                    | 11                        | 7                          | 20                    | 4,0            | 3,0 | 2,95 | x             | x             | x             | x             |
| Nr. 8   | - 36   | 04,17                 | 63                    | 13                        | 8                          | 21                    | 4,5            | 3,4 | 3,50 | x             | x             | x             | x             |
| Nr. 10  | - 32   | 04,83                 | 70                    | 14                        | 10                         | 25                    | 6,0            | 4,9 | 4,10 | x             | x             | x             | x             |
| Nr. 12  | - 28   | 05,49                 | 80                    | 17                        | 10                         | 30                    | 6,0            | 4,9 | 4,60 | x             | x             |               | x             |
| 1/4   | - 28   | 06,35                 | 80                    | 17                        | 12                         | 30                    | 7,0            | 5,5 | 5,50 | x             | x             | x             | x             |
| 5/16  | - 24   | 07,94                 | 90                    | 18                        | 12                         | 35                    | 8,0            | 6,2 | 6,90 | x             | x             | x             | x             |
| 3/8   | - 24   | 09,53                 | 100                   | 20                        | 14                         | 39                    | 10,0           | 8,0 | 8,50 | x             | x             | x             | x             |

x = ab Lager, Zwischenverkauf vorbehalten  
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\*\* SSP = Steilspirale  
\*\* SSP = quick spiral

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|        | 113 281<br>Gussfix                 | 113 260<br>Nirofix                                    | 113 263<br>Nirofix 35 | 113 270<br>Dulofix VS   | 113 271<br>Spiralo 35 VS | 113 256<br>Multifix                        | 113 257<br>Multifix 35 |  |  |
|--------|------------------------------------|---|-----------------------|---|--------------------------|--|------------------------|--|--|
|        | 2BX<br>C<br>2-3                    | 2B<br>B<br>4-5  | 2B<br>C<br>2-3        | 2B<br>B<br>4-5  | 2B<br>C<br>2-3           | 2B<br>B<br>4-5                             | 2B<br>C<br>2-3         |  |  |
|        |                                    |   |                       |   |                          |  |                        |  |  |
|        | Grauguss<br>Grey cast iron<br>2.11 | rostfreie Stähle<br>Stainless steels<br>1.9.4 / 1.9.5 |                       | Vergütungsstähle<br>Heat-treatable steels<br>1.1.2/1.2.2/1.4.2<br>1.5.2/1.6.2/1.7 |                          | Werkzeugstähle<br>Toolsteels<br>1.7 / 3.23 |                        |  |  |
|        | Nit                                | VAP   | VAP                   |   |                          | Stygian                                    | Stygian                |  |  |
|        | 178                                | 178   | 178                   | 178   | 178                      | 178  | 178                    |  |  |
| d      | P<br>Gg/1"                         | Verfügbarkeit<br>Availability                         |                       |   |                          |  |                        |  |  |
| Nr. 2  | - 64                               |   |                       |   |                          |  |                        |  |  |
| Nr. 3  | - 56                               |   |                       |   |                          |  |                        |  |  |
| Nr. 4  | - 48                               |   |                       |   |                          |  |                        |  |  |
| Nr. 5  | - 44                               |   |                       |   |                          |  |                        |  |  |
| Nr. 6  | - 40                               | x   | x                     | x   | x                        | x  | x                      |  |  |
| Nr. 8  | - 36                               | x   | x                     | x   | x                        | x  | x                      |  |  |
| Nr. 10 | - 32                               | x   | x                     | x   | x                        | x  | x                      |  |  |
| Nr. 12 | - 28                               | x   | x                     | x   |                          |  |                        |  |  |
| 1/4    | - 28                               | x   | x                     | x   | x                        | x  | x                      |  |  |
| 5/16   | - 24                               | x   | x                     | x   | x                        | x  | x                      |  |  |
| 3/8    | - 24                               | x   | x                     | x   | x                        | x  | x                      |  |  |

x = ab Lager, Zwischenverkauf vorbehalten  
o = nur solange Lagervorrat vorhanden  
x = normally ex stock  
o = available while stocks last

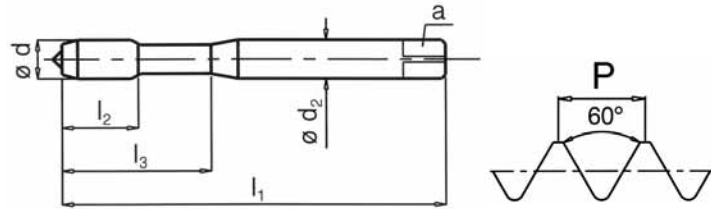
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Unified Feingewinde ANSI B 1.1

Baumaße DIN 2184 Teil 1, verstärkter Schaft

Unified Fine Threads ANSI B 1.1

Dimensions DIN 2184 part 1, Reinforced shank



| Katalog Nr.<br>Bezeichnung                      | Catalogue No.<br>Name                        | 113 273<br>Dulofix HF              | 113 292<br>Dulofix HF TiCN | 113 274<br>Spiralo 35 HF | 113 293<br>Spir. 35 HF TiCN |                |                |     |      |                               |   |   |   |  |  |  |  |  |  |  |
|---|--|------------------------------------|----------------------------|--------------------------|-----------------------------|----------------|----------------|-----|------|-------------------------------|---|---|---|--|--|--|--|--|--|--|
| Toleranz  | Tolerance                                    | 2B                                 | 2B                         | 2B                       | 2B                          |                |                |     |      |                               |   |   |   |  |  |  |  |  |  |  |
| Anschnittform                                   | Chamfer form                                 | B                                  | B                          | C                        | C                           |                |                |     |      |                               |   |   |   |  |  |  |  |  |  |  |
| Anschnittlänge, Gang                            | Chamfer length, threads                      | 4-5                                | 4-5                        | 2-3                      | 2-3                         |                |                |     |      |                               |   |   |   |  |  |  |  |  |  |  |
| für Bohrungsart                                 | For holes                                    |                                    |                            |                          |                             |                |                |     |      |                               |   |   |   |  |  |  |  |  |  |  |
| Sonderwerkstoff                                 | Special material                             | hochfeste Stähle<br>Hard materials |                            |                          |                             |                |                |     |      |                               |   |   |   |  |  |  |  |  |  |  |
| Zerspanungsgruppe,<br>siehe Ausklappseite links | Machinability-group,<br>See folder left page | 1.4.3 / 1.5.3<br>1.6.3 / 1.8       |                            |                          |                             |                |                |     |      |                               |   |   |   |  |  |  |  |  |  |  |
| Oberfläche                                      | Surface                                      |                                    | TiCN                       |                          | TiCN                        |                |                |     |      |                               |   |   |   |  |  |  |  |  |  |  |
| Ausführung                                      | Variation                                    |                                    |                            |                          |                             |                |                |     |      |                               |   |   |   |  |  |  |  |  |  |  |
| Typenbeschreibung ab Seite                      | Type description from page                   | 178                                | 178                        | 178                      | 178                         |                |                |     |      |                               |   |   |   |  |  |  |  |  |  |  |
| d   | P  | Ø                                  | l <sub>1</sub>             | l <sub>2</sub>           | l <sub>2</sub>              | l <sub>3</sub> | d <sub>2</sub> | a   |      | Verfügbarkeit<br>Availability |   |   |   |  |  |  |  |  |  |  |
|   | Gg/1"  | mm                                 |                            |                          | SSP**                       |                |                |     |      |                               |   |   |   |  |  |  |  |  |  |  |
| Nr. 6   | - 40   | 03,51                              | 56                         | 11                       | 7                           | 20             | 4,0            | 3,0 | 2,95 | x                             | x | x | x |  |  |  |  |  |  |  |
| Nr. 8   | - 36   | 04,17                              | 63                         | 13                       | 8                           | 21             | 4,5            | 3,4 | 3,50 | x                             | x | x | x |  |  |  |  |  |  |  |
| Nr. 10  | - 32   | 04,83                              | 70                         | 14                       | 10                          | 25             | 6,0            | 4,9 | 4,10 | x                             | x | x | x |  |  |  |  |  |  |  |
| Nr. 12  | - 28   | 05,49                              | 80                         | 17                       | 10                          | 30             | 6,0            | 4,9 | 4,60 |                               |   |   |   |  |  |  |  |  |  |  |
| 1/4   | - 28   | 06,35                              | 80                         | 17                       | 12                          | 30             | 7,0            | 5,5 | 5,50 | x                             | x | x | x |  |  |  |  |  |  |  |
| 5/16  | - 24   | 07,94                              | 90                         | 18                       | 12                          | 35             | 8,0            | 6,2 | 6,90 | x                             | x | x | x |  |  |  |  |  |  |  |
| 3/8   | - 24   | 09,53                              | 100                        | 20                       | 14                          | 39             | 10,0           | 8,0 | 8,50 | x                             | x | x | x |  |  |  |  |  |  |  |

x = ab Lager, Zwischenverkauf vorbehalten  
o = nur solange Lagervorrat vorhanden  
x = normally ex stock  
o = available while stocks last

\*\* SSP = Steilspirale  
\*\* SSP = quick spiral



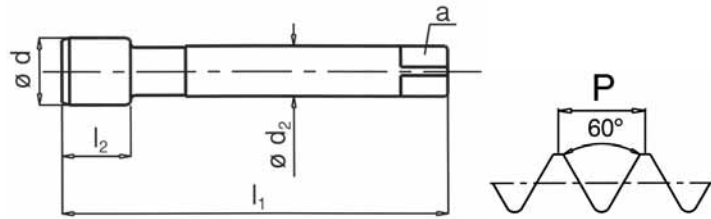
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Unified Feingewinde ANSI B 1.1

Baumaße DIN 2184 Teil 1, Überlaufschaft

Unified Fine Threads ANSI B 1.1

Dimensions DIN 2184 part 1, Reduced shank



| Katalog Nr.<br>Bezeichnung                      | Catalogue No.<br>Name                        | 113 300<br>Hahnreiter | 113 305<br>Dulofix | 113 310<br>Dulofix TiN | 113 395<br>Dulofix TiCN | 113 318<br>Spiralo 15 |      |       |                               |   |   |  |  |  |  |   |
|---|--|-----------------------|--------------------|------------------------|-------------------------|-----------------------|------|-------|-------------------------------|---|---|--|--|--|--|---|
| Toleranz  | Tolerance                                    | 2B                    | 2B                 | 2B                     | 2B                      | 2B                    |      |       |                               |   |   |  |  |  |  |   |
| Anschnittform                                   | Chamfer form                                 | C                     | B                  | B                      | B                       | C                     |      |       |                               |   |   |  |  |  |  |   |
| Anschnittlänge, Gang                            | Chamfer length, threads                      | 2-3                   | 4-5                | 4-5                    | 4-5                     | 2-3                   |      |       |                               |   |   |  |  |  |  |   |
| für Bohrungsart                                 | For holes                                    |                       |                    |                        |                         |                       |      |       |                               |   |   |  |  |  |  |   |
| Sonderwerkstoff                                 | Special material                             |                       |                    |                        |                         |                       |      |       |                               |   |   |  |  |  |  |   |
| Zerspanungsgruppe,<br>siehe Ausklappseite links | Machinability-group,<br>See folder left page |                       |                    |                        |                         |                       |      |       |                               |   |   |  |  |  |  |   |
| Oberfläche                                      | Surface                                      |                       |                    | TiN                    | TiCN                    |                       |      |       |                               |   |   |  |  |  |  |   |
| Ausführung                                      | Variation                                    |                       |                    |                        |                         |                       |      |       |                               |   |   |  |  |  |  |   |
| Typenbeschreibung ab Seite                      | Type description from page                   | 178                   | 178                | 178                    | 178                     | 178                   |      |       |                               |   |   |  |  |  |  |   |
| d   | P  | Ø                     | l <sub>1</sub>     | l <sub>2</sub>         | l <sub>2</sub>          | d <sub>2</sub>        | a    |       | Verfügbarkeit<br>Availability |   |   |  |  |  |  |   |
|   | Gg/1"  | mm                    |                    |                        | SSP**                   |                       |      |       |                               |   |   |  |  |  |  |   |
| 3/8   | - 24   | 09,53                 | 90                 | 17                     | 14                      | 7,0                   | 5,5  | 8,50  |                               |   |   |  |  |  |  | o |
| 7/16  | - 20   | 11,11                 | 100                | 22                     | 18                      | 8,0                   | 6,2  | 9,90  | x                             |   |   |  |  |  |  | x |
| 1/2   | - 20   | 12,70                 | 100                | 20                     | 16                      | 9,0                   | 7,0  | 11,50 | x                             | x |   |  |  |  |  | x |
| 9/16  | - 18   | 14,29                 | 100                | 20                     |                         | 11,0                  | 9,0  | 12,90 | x                             | x |   |  |  |  |  | x |
| 5/8   | - 18   | 15,88                 | 100                | 22                     | 16                      | 12,0                  | 9,0  | 14,50 | x                             | x |   |  |  |  |  | x |
| 3/4   | - 16   | 19,05                 | 110                | 25                     | 20                      | 14,0                  | 11,0 | 17,50 | x                             | x | x |  |  |  |  | x |
| 7/8   | - 14   | 22,23                 | 125                | 25                     |                         | 18,0                  | 14,5 | 20,40 | x                             | x |   |  |  |  |  | x |
| 1   | - 12   | 25,40                 | 140                | 28                     |                         | 18,0                  | 14,5 | 23,25 | x                             | x |   |  |  |  |  | x |
| 1.1/8   | - 12   | 28,58                 | 150                | 28                     | 22                      | 22,0                  | 18,0 | 26,50 | x                             | x |   |  |  |  |  | x |
| 1.1/4   | - 12   | 31,75                 | 150                | 28                     | 22                      | 22,0                  | 18,0 | 29,50 | x                             | x |   |  |  |  |  |   |
| 1.3/8   | - 12   | 34,93                 | 170                | 28                     |                         | 28,0                  | 22,0 | 32,75 | x                             | x |   |  |  |  |  |   |
| 1.1/2   | - 12   | 38,10                 | 170                | 28                     |                         | 32,0*                 | 24,0 | 36,00 | x                             | x |   |  |  |  |  |   |

\* Neu = 28,0  
New = 28,0

\*\* SSP = Steilspirale  
\*\* SSP = quick spiral

x = ab Lager, Zwischenverkauf vorbehalten  
o = nur solange Lagervorrat vorhanden  
x = normally ex stock  
o = available while stocks last

UNF



UNF

|       | 113 326<br>Spiralo 35 | 113 335<br>Spiralo 35 TiN     | 113 396<br>Spiralo 35 TiCN | 113 352<br>Spiralo 45    | 113 381<br>Gussfix                 | 113 360<br>Nirofix                                    | 113 363<br>Nirofix 35 | 113 370<br>Dulofix VS   | 113 371<br>Spiralo 35 VS |
|-------|-----------------------|-------------------------------|----------------------------|--------------------------|------------------------------------|---|-----------------------|---|--------------------------|
|       | 2B<br>C<br>2-3        | 2B<br>C<br>2-3                | 2B<br>C<br>2-3             | 2B<br>C<br>2-3           | 2BX<br>C<br>2-3                    | 2B<br>B<br>4-5  | 2B<br>C<br>2-3        | 2B<br>B<br>4-5  | 2B<br>C<br>2-3           |
|       |                       |                               |                            |                          |                                    |   |                       |   |                          |
|       |                       |                               |                            | Aluminium<br>3.20 / 4.14 | Grauguss<br>Grey cast iron<br>2.11 | rostfreie Stähle<br>Stainless steels<br>1.9.4 / 1.9.5 |                       | Vergütungsstähle<br>Heat-treatable steels<br>1.1.2/1.2.2/1.4.2<br>1.5.2/1.6.2/1.7 |                          |
|       |                       | TiN                           | TiCN                       |                          | Nit                                | VAP   | VAP                   |   |                          |
|       | 178                   | 178                           | 178                        | 178                      | 178                                | 178   | 178                   | 178   | 178                      |
| d     | P<br>Gg/1"            | Verfügbarkeit<br>Availability |                            |                          |                                    |   |                       |   |                          |
| 3/8   | - 24                  | o                             |                            |                          |                                    |   |                       |   |                          |
| 7/16  | - 20                  | x                             | x                          | x                        | x                                  | x   | x                     | x   | x                        |
| 1/2   | - 20                  | x                             | x                          | x                        | x                                  | x   | x                     | x   | x                        |
| 9/16  | - 18                  |                               |                            |                          |                                    |   |                       |   |                          |
| 5/8   | - 18                  | x                             | x                          | x                        | x                                  | x   | x                     | x   | x                        |
| 3/4   | - 16                  | x                             | x                          | x                        | x                                  | x   | x                     | x   | x                        |
| 7/8   | - 14                  | x                             |                            |                          | x                                  | x   | x                     | x   | x                        |
| 1     | - 12                  | x                             |                            |                          | x                                  | x   | x                     | x   | x                        |
| 1.1/8 | - 12                  | x                             |                            |                          |                                    |   |                       |   |                          |
| 1.1/4 | - 12                  | x                             |                            |                          |                                    |   |                       |   |                          |
| 1.3/8 | - 12                  | x                             |                            |                          |                                    |   |                       |   |                          |
| 1.1/2 | - 12                  | x                             |                            |                          |                                    |   |                       |   |                          |

x = ab Lager, Zwischenverkauf vorbehalten  
o = nur solange Lagervorrat vorhanden  
x = normally ex stock  
o = available while stocks last

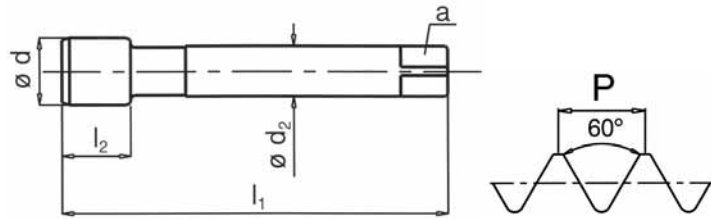
UNF

Unified Feingewinde ANSI B 1.1

Baumaße DIN 2184 Teil 1, Überlaufschaft

Unified Fine Threads ANSI B 1.1

Dimensions DIN 2184 part 1, Reduced shank



| Katalog Nr.<br>Bezeichnung                      | Catalogue No.<br>Name                        | 113 356<br>Multifix                        | 113 357<br>Multifix 35 |                |                |                |      |       |               |   |  |  |  |
|---|--|--|------------------------|----------------|----------------|----------------|------|-------|---------------|---|--|--|--|
| Toleranz  | Tolerance                                    | 2B   | 2B                     |                |                |                |      |       |               |   |  |  |  |
| Anschnittform                                   | Chamfer form                                 | B  | C                      |                |                |                |      |       |               |   |  |  |  |
| Anschnittlänge, Gang                            | Chamfer length, threads                      | 4-5  | 2-3                    |                |                |                |      |       |               |   |  |  |  |
| für Bohrungsart                                 | For holes                                    |  |                        |                |                |                |      |       |               |   |  |  |  |
| Sonderwerkstoff                                 | Special material                             | Werkzeugstähle<br>Toolsteels<br>1.7 / 3.23 |                        |                |                |                |      |       |               |   |  |  |  |
| Zerspanungsgruppe,<br>siehe Ausklappseite links | Machinability-group,<br>See folder left page |  |                        |                |                |                |      |       |               |   |  |  |  |
| Oberfläche                                      | Surface                                      | Stygian                                    | Stygian                |                |                |                |      |       |               |   |  |  |  |
| Ausführung                                      | Variation                                    |  |                        |                |                |                |      |       |               |   |  |  |  |
| Typenbeschreibung ab Seite                      | Type description from page                   | 178  | 178                    |                |                |                |      |       |               |   |  |  |  |
| d   | P  | Ø  | l <sub>1</sub>         | l <sub>2</sub> | l <sub>2</sub> | d <sub>2</sub> | a    |       | Verfügbarkeit |   |  |  |  |
|   | Gg/1"  | mm   |                        |                | SSP**          |                |      |       | Availability  |   |  |  |  |
| 7/16  | - 20   | 11,11                                      | 100                    | 22             | 18             | 8,0            | 6,2  | 9,90  | x             | x |  |  |  |
| 1/2   | - 20   | 12,70                                      | 100                    | 20             | 16             | 9,0            | 7,0  | 11,50 | x             | x |  |  |  |
| 5/8   | - 18   | 15,88                                      | 100                    | 22             | 16             | 12,0           | 9,0  | 14,50 | x             | x |  |  |  |
| 3/4   | - 16   | 19,05                                      | 110                    | 25             | 20             | 14,0           | 11,0 | 17,50 | x             | x |  |  |  |

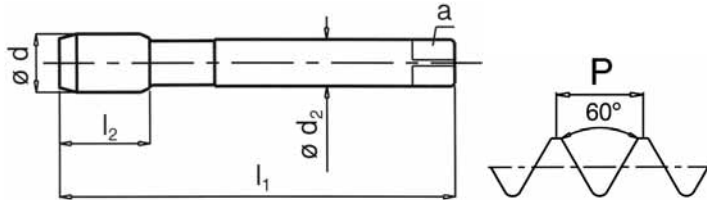
\*\* SSP = Steilspirale  
\*\* SSP = quick spiral

x = ab Lager, Zwischenverkauf vorbehalten  
o = nur solange Lagervorrat vorhanden  
x = normally ex stock  
o = available while stocks last



UN

**Unified Gewinde 8 Gang Reihe ANSI B 1.1**  
Baumaße DIN 2184 Teil 1, Überlaufschaft  
**Unified Threads 8 TPI Series ANSI B 1.1**  
Dimensions DIN 2184 part 1, Reduced shank



| Katalog Nr.<br>Bezeichnung                      | Catalogue No.<br>Name                        | 127 326<br>Spiralo 35 | 127 360<br>Nirofix                                    | 127 363<br>Nirofix 35 |                |                |      |       |                               |   |   |  |  |  |  |  |  |  |
|---|--|-----------------------|---|-----------------------|----------------|----------------|------|-------|-------------------------------|---|---|--|--|--|--|--|--|--|
| Toleranz  | Tolerance                                    | 2B                    | 2B  | 2B                    |                |                |      |       |                               |   |   |  |  |  |  |  |  |  |
| Anschnittform                                   | Chamfer form                                 | C                     | B   | C                     |                |                |      |       |                               |   |   |  |  |  |  |  |  |  |
| Anschnittlänge, Gang<br>für Bohrungsart         | Chamfer length, threads<br>For holes         | 2-3                   | 4-5   | 2-3                   |                |                |      |       |                               |   |   |  |  |  |  |  |  |  |
| Sonderwerkstoff                                 | Special material                             |                       | rostfreie Stähle<br>Stainless steels<br>1.9.4 / 1.9.5 |                       |                |                |      |       |                               |   |   |  |  |  |  |  |  |  |
| Zerspanungsgruppe,<br>siehe Ausklappseite links | Machinability-group,<br>See folder left page |                       |   |                       |                |                |      |       |                               |   |   |  |  |  |  |  |  |  |
| Oberfläche                                      | Surface                                      |                       | VAP   | VAP                   |                |                |      |       |                               |   |   |  |  |  |  |  |  |  |
| Ausführung                                      | Variation                                    |                       |   |                       |                |                |      |       |                               |   |   |  |  |  |  |  |  |  |
| Typenbeschreibung ab Seite                      | Type description from page                   | 178                   | 178   | 178                   |                |                |      |       |                               |   |   |  |  |  |  |  |  |  |
| d   | P  | Ø                     | l <sub>1</sub>  | l <sub>2</sub>        | l <sub>2</sub> | d <sub>2</sub> | a    |       | Verfügbarkeit<br>Availability |   |   |  |  |  |  |  |  |  |
|   | Gg/1"  | mm                    |   |                       | SSP**          |                |      |       |                               |   |   |  |  |  |  |  |  |  |
| 1.1/8   | - 8  | 28,58                 | 180   | 40                    | 35             | 22,0           | 18,0 | 25,50 | x                             | x | x |  |  |  |  |  |  |  |
| 1.1/4   | - 8  | 31,75                 | 180   | 40                    | 35             | 22,0           | 18,0 | 28,75 | x                             | x | x |  |  |  |  |  |  |  |
| 1.3/8   | - 8  | 34,93                 | 200   | 42                    | 35             | 28,0           | 22,0 | 31,75 | x                             | x | x |  |  |  |  |  |  |  |
| 1.1/2   | - 8  | 38,10                 | 200   | 42                    | 35             | 28,0           | 22,0 | 35,00 | x                             | x | x |  |  |  |  |  |  |  |
| 1.5/8   | - 8  | 41,28                 | 200   | 42                    | 35             | 32,0           | 24,0 | 38,00 | x                             | x | x |  |  |  |  |  |  |  |
| 1.3/4   | - 8  | 44,45                 | 200   | 42                    | 35             | 36,0           | 29,0 | 41,50 | x                             | x | x |  |  |  |  |  |  |  |
| 1.7/8   | - 8  | 47,63                 | 225   | 42                    | 35             | 36,0           | 29,0 | 44,50 | x                             | x | x |  |  |  |  |  |  |  |
| 2   | - 8  | 50,80                 | 225   | 45                    | 35             | 40,0           | 32,0 | 47,75 | x                             | x | x |  |  |  |  |  |  |  |

\*\* SSP = Steilspirale  
\*\* SSP = quick spiral

x = ab Lager, Zwischenverkauf vorbehalten  
o = nur solange Lagervorrat vorhanden  
x = normally ex stock  
o = available while stocks last