

# Tableau des filetages

## Filetages de tubes, coniques

| <b>Filetage Whitworth</b><br>ISO 7-1, EN 10226 (DIN 2999, BSPT)<br>Filet extérieur conique 1:16<br>Angle de pression 55° |                               |                                 | <b>Standard Taper Pipe Thread</b><br>NPT, ASME B 1.20.1<br>Filet extérieur conique 1:16<br>Angle de pression 60° |                               |                                 |
|--------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------|
| Dimension<br><b>R</b><br><b>BSPT</b>                                                                                     | Ø extérieur<br>du filet<br>mm | Nombre<br>de filets<br>au pouce | Dimension<br><b>NPT</b>                                                                                          | Ø extérieur<br>du filet<br>mm | Nombre<br>de filets<br>au pouce |
| 1/16                                                                                                                     | 7,723                         | 28                              | 1/16                                                                                                             | 7,938                         | 27                              |
| 1/8                                                                                                                      | 9,728                         | 28                              | 1/8                                                                                                              | 10,287                        | 27                              |
| 1/4                                                                                                                      | 13,157                        | 19                              | 1/4                                                                                                              | 13,716                        | 18                              |
| 3/8                                                                                                                      | 16,662                        | 19                              | 3/8                                                                                                              | 17,145                        | 18                              |
| 1/2                                                                                                                      | 20,955                        | 14                              | 1/2                                                                                                              | 21,336                        | 14                              |
| 3/4                                                                                                                      | 26,441                        | 14                              | 3/4                                                                                                              | 26,670                        | 14                              |
| 1                                                                                                                        | 33,249                        | 11                              | 1                                                                                                                | 33,401                        | 11,5                            |
| 1 1/4                                                                                                                    | 41,910                        | 11                              | 1 1/4                                                                                                            | 42,164                        | 11,5                            |
| 1 1/2                                                                                                                    | 47,803                        | 11                              | 1 1/2                                                                                                            | 48,260                        | 11,5                            |
| 2                                                                                                                        | 59,614                        | 11                              | 2                                                                                                                | 60,325                        | 11,5                            |
| 2 1/2                                                                                                                    | 75,184                        | 11                              | 2 1/2                                                                                                            | 73,025                        | 8                               |
| 3                                                                                                                        | 87,884                        | 11                              | 3                                                                                                                | 88,900                        | 8                               |
| 4                                                                                                                        | 113,030                       | 11                              | 3 1/2                                                                                                            | 101,600                       | 8                               |
|                                                                                                                          |                               |                                 | 4                                                                                                                | 114,300                       | 8                               |

## Filetages de tubes, cylindriques

| <b>Filetage Whitworth</b><br>ISO 228-1 (DIN 259, BSPP)<br>Filet extérieur cylindrique<br>Angle de pression 55° |                               |                                 | <b>Straight Pipe Thread for Fixtures</b><br>NPSM, ASME B 1.20.1<br>Filet extérieur cylindrique<br>Angle de pression 60° |                               |                                 |
|----------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------|
| Dimension<br><b>G</b><br><b>BSPP</b>                                                                           | Ø extérieur<br>du filet<br>mm | Nombre<br>de filets<br>au pouce | Dimension<br><b>NPSM</b>                                                                                                | Ø extérieur<br>du filet<br>mm | Nombre<br>de filets<br>au pouce |
| 1/16                                                                                                           | 7,723                         | 28                              | 1/8                                                                                                                     | 10,083                        | 27                              |
| 1/8                                                                                                            | 9,728                         | 28                              | 1/4                                                                                                                     | 13,360                        | 18                              |
| 1/4                                                                                                            | 13,157                        | 19                              | 3/8                                                                                                                     | 16,815                        | 18                              |
| 3/8                                                                                                            | 16,662                        | 19                              | 1/2                                                                                                                     | 20,904                        | 14                              |
| 1/2                                                                                                            | 20,955                        | 14                              | 3/4                                                                                                                     | 26,264                        | 14                              |
| 3/4                                                                                                            | 26,441                        | 14                              | 1                                                                                                                       | 32,842                        | 11,5                            |
| 1                                                                                                              | 33,249                        | 11                              | 1 1/4                                                                                                                   | 41,605                        | 11,5                            |
| 1 1/4                                                                                                          | 41,910                        | 11                              | 1 1/2                                                                                                                   | 47,676                        | 11,5                            |
| 1 1/2                                                                                                          | 47,803                        | 11                              | 2                                                                                                                       | 59,715                        | 11,5                            |
| 2                                                                                                              | 59,614                        | 11                              | 2 1/2                                                                                                                   | 72,161                        | 8                               |
| 2 1/2                                                                                                          | 75,184                        | 11                              | 3                                                                                                                       | 88,062                        | 8                               |
| 3                                                                                                              | 87,884                        | 11                              | 3 1/2                                                                                                                   | 100,787                       | 8                               |
| 3 1/2                                                                                                          | 100,330                       | 11                              | 4                                                                                                                       | 113,436                       | 8                               |
| 4                                                                                                              | 113,030                       | 11                              |                                                                                                                         |                               |                                 |

## Filetage de barres, métrique

| <b>Filetage métrique ISO</b><br>ISO 261 (DIN 13)<br>Filet extérieur<br>Angle de pression 60° |                               |                 |
|----------------------------------------------------------------------------------------------|-------------------------------|-----------------|
| Dimension<br><b>M</b>                                                                        | Ø extérieur<br>du filet<br>mm | Pas<br>en<br>mm |
| 6                                                                                            | 5,974                         | 1               |
| 8                                                                                            | 7,972                         | 1,25            |
| 10                                                                                           | 9,968                         | 1,5             |
| 12                                                                                           | 11,966                        | 1,75            |
| 14                                                                                           | 13,962                        | 2               |
| 16                                                                                           | 15,962                        | 2               |
| 18                                                                                           | 17,958                        | 2,5             |
| 20                                                                                           | 19,958                        | 2,5             |
| 22                                                                                           | 21,958                        | 2,5             |
| 24                                                                                           | 23,952                        | 3               |
| 27                                                                                           | 26,952                        | 3               |
| 30                                                                                           | 29,947                        | 3,5             |
| 33                                                                                           | 32,947                        | 3,5             |
| 36                                                                                           | 35,940                        | 4               |
| 39                                                                                           | 38,940                        | 4               |
| 42                                                                                           | 41,937                        | 4,5             |
| 45                                                                                           | 44,937                        | 4,5             |
| 48                                                                                           | 47,929                        | 5               |
| 52                                                                                           | 51,929                        | 5               |
| 56                                                                                           | 55,925                        | 5,5             |
| 60                                                                                           | 59,925                        | 5,5             |
| 64                                                                                           | 63,920                        | 6               |
| 68                                                                                           | 67,920                        | 6               |
| 72                                                                                           | 71,920                        | 6               |

## Filetages de barres américain et Whitworth

| <b>Unified Inch Screw Thread</b><br>UNC, ASME B 1.1<br>Filet extérieur<br>Filet extérieur |                               |                                 | <b>British Standard Parallel Screw Thread of Whitworth Form B.S.W.</b><br>BS 84 (Plus d'actualité): Filet extérieur<br>Angle de pression 55° |                               |                                 |
|-------------------------------------------------------------------------------------------|-------------------------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------|
| Dimension<br><b>UNC</b>                                                                   | Ø extérieur<br>du filet<br>mm | Nombre<br>de filets<br>au pouce | Dimension<br><b>BSW</b>                                                                                                                      | Ø extérieur<br>du filet<br>mm | Nombre<br>de filets<br>au pouce |
| 1/4                                                                                       | 6,322                         | 20                              | 1/4                                                                                                                                          | 6,350                         | 20                              |
| 5/16                                                                                      | 7,907                         | 18                              | 5/16                                                                                                                                         | 7,937                         | 18                              |
| 3/8                                                                                       | 9,491                         | 16                              | 3/8                                                                                                                                          | 9,525                         | 16                              |
| 7/16                                                                                      | 11,076                        | 14                              | 7/16                                                                                                                                         | 11,112                        | 14                              |
| 1/2                                                                                       | 12,661                        | 13                              | 1/2                                                                                                                                          | 12,700                        | 12                              |
| 9/16                                                                                      | 14,246                        | 12                              | 5/8                                                                                                                                          | 15,875                        | 11                              |
| 5/8                                                                                       | 15,834                        | 11                              | 3/4                                                                                                                                          | 19,050                        | 10                              |
| 3/4                                                                                       | 19,004                        | 10                              | 7/8                                                                                                                                          | 22,225                        | 9                               |
| 7/8                                                                                       | 22,176                        | 9                               | 1                                                                                                                                            | 25,400                        | 8                               |
| 1                                                                                         | 25,349                        | 8                               | 1 1/8                                                                                                                                        | 28,575                        | 7                               |
| 1 1/8                                                                                     | 28,519                        | 7                               | 1 1/4                                                                                                                                        | 31,750                        | 7                               |
| 1 1/4                                                                                     | 31,694                        | 7                               | 1 1/2                                                                                                                                        | 38,100                        | 6                               |
| 1 3/8                                                                                     | 34,864                        | 6                               | 1 3/4                                                                                                                                        | 44,450                        | 5                               |
| 1 1/2                                                                                     | 38,039                        | 6                               | 2                                                                                                                                            | 50,800                        | 4,5                             |
| 1 3/4                                                                                     | 44,381                        | 5                               | 2 1/4                                                                                                                                        | 57,150                        | 4                               |
| 2                                                                                         | 50,726                        | 4,5                             | 2 1/2                                                                                                                                        | 63,500                        | 4                               |
| 2 1/4                                                                                     | 57,076                        | 4,5                             | 2 3/4                                                                                                                                        | 69,850                        | 3,5                             |
| 2 1/2                                                                                     | 63,421                        | 4                               |                                                                                                                                              |                               |                                 |
| 2 3/4                                                                                     | 69,768                        | 4                               |                                                                                                                                              |                               |                                 |

## Filetage de tubes d'installations électriques

| <b>Filetage tubes blindés</b><br>DIN 40 430<br>Filet extérieur cylindrique<br>Angle de pression 80° |                               |                                 |
|-----------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------|
| Dimension<br><b>Pg</b>                                                                              | Ø extérieur<br>du filet<br>mm | Nombre<br>de filets<br>au pouce |
| 7                                                                                                   | 12,5                          | 20                              |
| 9                                                                                                   | 15,2                          | 18                              |
| 11                                                                                                  | 18,6                          | 18                              |
| 13,5                                                                                                | 20,4                          | 18                              |
| 16                                                                                                  | 22,5                          | 18                              |
| 21                                                                                                  | 28,3                          | 16                              |
| 29                                                                                                  | 37                            | 16                              |
| 36                                                                                                  | 47                            | 16                              |
| 42                                                                                                  | 54                            | 16                              |
| 48                                                                                                  | 59,3                          | 16                              |

  

| <b>Filetage de tubes d'installations électriques</b><br>EN 60423<br>Filet extérieur cylindrique<br>Angle de pression 60° |                               |                                 |
|--------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------|
| Dimension<br><b>M</b>                                                                                                    | Ø extérieur<br>du filet<br>mm | Nombre<br>de filets<br>au pouce |
| 16                                                                                                                       | 15,968                        | 1,5                             |
| 20                                                                                                                       | 19,968                        | 1,5                             |
| 25                                                                                                                       | 24,968                        | 1,5                             |
| 32                                                                                                                       | 31,968                        | 1,5                             |
| 40                                                                                                                       | 39,968                        | 1,5                             |
| 50                                                                                                                       | 49,968                        | 1,5                             |
| 63                                                                                                                       | 62,968                        | 1,5                             |

Toujours la plus grande dimension, en cas d'un filet conique mesuré à la surface de référence.