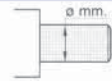


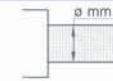
# DIE THREADING RECOMMENDED EXTERNAL DIAMETER

**M**



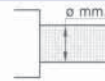
| Ø d <sub>1</sub> | p    | Ø mm  |
|------------------|------|-------|
| M 1              | 0,25 | 0,97  |
| M 1,1            | 0,25 | 1,07  |
| M 1,2            | 0,25 | 1,17  |
| M 1,4            | 0,3  | 1,36  |
| M 1,6            | 0,35 | 1,54  |
| M (1,7)          | 0,35 | 1,64  |
| M 1,8            | 0,35 | 1,74  |
| M 2              | 0,4  | 1,93  |
| M 2,2            | 0,45 | 2,13  |
| M (2,3)          | 0,4  | 2,23  |
| M 2,5            | 0,45 | 2,43  |
| M (2,6)          | 0,45 | 2,53  |
| M 3              | 0,5  | 2,92  |
| M 3,5            | 0,6  | 3,41  |
| M 4              | 0,7  | 3,91  |
| M 4,5            | 0,75 | 4,41  |
| M 5              | 0,8  | 4,90  |
| M 6              | 1    | 5,88  |
| M 7              | 1    | 6,88  |
| M 8              | 1,25 | 7,87  |
| M 9              | 1,25 | 8,87  |
| M 10             | 1,5  | 9,85  |
| M 11             | 1,5  | 10,85 |
| M 12             | 1,75 | 11,83 |
| M 14             | 2    | 13,82 |
| M 16             | 2    | 15,82 |
| M 18             | 2,5  | 17,79 |
| M 20             | 2,5  | 19,79 |
| M 22             | 2,5  | 21,79 |
| M 24             | 3    | 23,77 |
| M 27             | 3    | 26,77 |
| M 30             | 3,5  | 29,73 |
| M 33             | 3,5  | 32,73 |
| M 36             | 4    | 35,70 |
| M 39             | 4    | 38,70 |
| M 42             | 4,5  | 41,69 |
| M 45             | 4,5  | 44,69 |
| M 48             | 5    | 47,66 |
| M 52             | 5    | 51,66 |
| M 56             | 5,5  | 55,65 |
| M 60             | 5,5  | 59,65 |
| M 64             | 6    | 63,62 |
| M 68             | 6    | 67,62 |
| M 3 x 0,6        |      | 2,91  |
| M 3,5 x 0,75     |      | 3,41  |
| M 4 x 0,75       |      | 3,91  |
| M 5 x 0,9        |      | 4,89  |

**MF**



| Ø d <sub>1</sub> | x | p | Ø mm  |
|------------------|---|---|-------|
| M 3 x 0,35       |   |   | 2,94  |
| M 3,5 x 0,35     |   |   | 3,44  |
| M 4 x 0,35       |   |   | 3,94  |
| M 4 x 0,5        |   |   | 3,93  |
| M 5 x 0,5        |   |   | 4,93  |
| M 6 x 0,5        |   |   | 5,93  |
| M 6 x 0,75       |   |   | 5,90  |
| M 7 x 0,75       |   |   | 6,90  |
| M 8 x 0,5        |   |   | 7,93  |
| M 8 x 0,75       |   |   | 7,90  |
| M 8 x 1          |   |   | 7,88  |
| M 9 x 1          |   |   | 8,88  |
| M 10 x 0,5       |   |   | 9,93  |
| M 10 x 0,75      |   |   | 9,90  |
| M 10 x 1         |   |   | 9,88  |
| M 10 x 1,25      |   |   | 9,86  |
| M 11 x 1         |   |   | 10,88 |
| M 12 x 0,75      |   |   | 11,90 |
| M 12 x 1         |   |   | 11,88 |
| M 12 x 1,25      |   |   | 11,86 |
| M 12 x 1,5       |   |   | 11,85 |
| M 13 x 1         |   |   | 12,88 |
| M 13 x 1,5       |   |   | 12,85 |
| M 14 x 1         |   |   | 13,88 |
| M 14 x 1,25      |   |   | 13,86 |
| M 14 x 1,5       |   |   | 13,85 |
| M 15 x 1         |   |   | 14,88 |
| M 15 x 1,5       |   |   | 14,85 |
| M 16 x 1         |   |   | 15,88 |
| M 16 x 1,5       |   |   | 15,85 |
| M 18 x 1         |   |   | 17,88 |
| M 18 x 1,5       |   |   | 17,85 |
| M 18 x 2         |   |   | 17,82 |
| M 20 x 1         |   |   | 19,88 |
| M 20 x 1,5       |   |   | 19,85 |
| M 20 x 2         |   |   | 19,82 |
| M 22 x 1         |   |   | 21,88 |
| M 22 x 1,5       |   |   | 21,85 |
| M 22 x 2         |   |   | 21,82 |
| M 24 x 1         |   |   | 23,88 |
| M 24 x 1,5       |   |   | 23,85 |
| M 24 x 2         |   |   | 23,82 |

**MF**



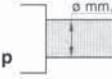
| Ø d <sub>1</sub> | x | p | Ø mm  |
|------------------|---|---|-------|
| M 25 x 1         |   |   | 24,88 |
| M 25 x 1,5       |   |   | 24,85 |
| M 26 x 1         |   |   | 25,88 |
| M 26 x 1,5       |   |   | 25,85 |
| M 27 x 1         |   |   | 26,88 |
| M 27 x 1,5       |   |   | 26,85 |
| M 27 x 2         |   |   | 26,82 |
| M 28 x 1,5       |   |   | 27,85 |
| M 28 x 2         |   |   | 27,82 |
| M 30 x 1         |   |   | 29,88 |
| M 30 x 1,5       |   |   | 29,85 |
| M 30 x 2         |   |   | 29,82 |
| M 32 x 1,5       |   |   | 31,85 |
| M 33 x 1,5       |   |   | 32,85 |
| M 33 x 2         |   |   | 32,82 |
| M 34 x 1,5       |   |   | 33,85 |
| M 35 x 1,5       |   |   | 34,85 |
| M 36 x 1,5       |   |   | 35,85 |
| M 36 x 2         |   |   | 35,82 |
| M 36 x 3         |   |   | 35,76 |
| M 38 x 1,5       |   |   | 37,85 |
| M 39 x 1,5       |   |   | 38,85 |
| M 39 x 2         |   |   | 38,82 |
| M 39 x 3         |   |   | 38,76 |
| M 40 x 1,5       |   |   | 39,85 |
| M 40 x 2         |   |   | 39,82 |
| M 40 x 3         |   |   | 39,76 |
| M 42 x 1,5       |   |   | 41,85 |
| M 42 x 2         |   |   | 41,82 |
| M 42 x 3         |   |   | 41,76 |
| M 45 x 1,5       |   |   | 44,85 |
| M 45 x 2         |   |   | 44,82 |
| M 45 x 3         |   |   | 44,76 |
| M 48 x 1,5       |   |   | 47,85 |
| M 48 x 2         |   |   | 47,82 |
| M 48 x 3         |   |   | 47,76 |
| M 50 x 1,5       |   |   | 49,85 |
| M 50 x 2         |   |   | 49,82 |
| M 50 x 3         |   |   | 49,76 |
| M 52 x 1,5       |   |   | 51,85 |
| M 52 x 2         |   |   | 51,82 |
| M 52 x 3         |   |   | 51,76 |

**W (BSW)**



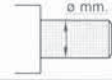
| Ø d <sub>1</sub> | p   | Ø mm  |
|------------------|-----|-------|
| W 3/32           | 48  | 2,26  |
| W 1/8            | 40  | 3,12  |
| W 5/32           | 32  | 3,82  |
| W 3/16           | 24  | 4,69  |
| W 7/32           | 24  | 5,39  |
| W 1/4            | 20  | 6,16  |
| W 5/16           | 18  | 7,76  |
| W 3/8            | 16  | 9,30  |
| W 7/16           | 14  | 10,89 |
| W 1/2            | 12  | 12,43 |
| W 9/16           | 12  | 13,92 |
| W 5/8            | 11  | 15,62 |
| W 3/4            | 10  | 18,76 |
| W 7/8            | 9   | 21,89 |
| W 1              | 8   | 25,08 |
| W 1 1/8          | 7   | 28,21 |
| W 1 1/4          | 7   | 31,35 |
| W 1 3/8          | 6   | 34,48 |
| W 1 1/2          | 6   | 37,67 |
| W 1 3/4          | 5   | 43,94 |
| W 2              | 4,5 | 50,26 |

**BSF**



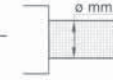
| Ø d <sub>1</sub> | p  | Ø mm  |
|------------------|----|-------|
| BSF 3/16         | 32 | 4,67  |
| BSF 1/4          | 26 | 6,25  |
| BSF 5/16         | 22 | 7,82  |
| BSF 3/8          | 20 | 9,39  |
| BSF 7/16         | 18 | 10,97 |
| BSF 1/2          | 16 | 12,54 |
| BSF 9/16         | 16 | 14,12 |
| BSF 5/8          | 14 | 15,71 |
| BSF 3/4          | 12 | 18,85 |
| BSF 7/8          | 11 | 22,02 |
| BSF 1            | 10 | 25,17 |

**UNC**



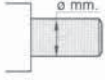
| Ø d <sub>1</sub> | p | Ø mm  |
|------------------|---|-------|
| No. 1 - 64 UNC   |   | 1,79  |
| No. 2 - 56 UNC   |   | 2,12  |
| No. 3 - 48 UNC   |   | 2,44  |
| No. 4 - 40 UNC   |   | 2,76  |
| No. 5 - 40 UNC   |   | 3,09  |
| No. 6 - 32 UNC   |   | 3,41  |
| No. 8 - 32 UNC   |   | 4,07  |
| No. 10 - 24 UNC  |   | 4,71  |
| No. 12 - 24 UNC  |   | 5,37  |
| 1/4 - 20 UNC     |   | 6,22  |
| 5/16 - 18 UNC    |   | 7,80  |
| 3/8 - 16 UNC     |   | 9,37  |
| 7/16 - 14 UNC    |   | 10,95 |
| 1/2 - 13 UNC     |   | 12,52 |
| 9/16 - 12 UNC    |   | 14,10 |
| 5/8 - 11 UNC     |   | 15,68 |
| 3/4 - 10 UNC     |   | 18,84 |
| 7/8 - 9 UNC      |   | 22    |
| 1 - 8 UNC        |   | 25,16 |
| 1 1/8 - 7 UNC    |   | 28,31 |
| 1 1/4 - 7 UNC    |   | 31,49 |
| 1 3/8 - 6 UNC    |   | 34,63 |
| 1 1/2 - 6 UNC    |   | 37,81 |
| 1 3/4 - 5 UNC    |   | 44,12 |
| 2 - 4,5 UNC      |   | 50,45 |

**UNF**



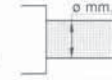
| Ø d <sub>1</sub> | p | Ø mm  |
|------------------|---|-------|
| No. 0 - 80 UNF   |   | 1,47  |
| No. 1 - 72 UNF   |   | 1,79  |
| No. 2 - 64 UNF   |   | 2,12  |
| No. 3 - 56 UNF   |   | 2,44  |
| No. 4 - 48 UNF   |   | 2,77  |
| No. 5 - 44 UNF   |   | 3,10  |
| No. 6 - 40 UNF   |   | 3,42  |
| No. 8 - 36 UNF   |   | 4,08  |
| No. 10 - 32 UNF  |   | 4,73  |
| No. 12 - 28 UNF  |   | 5,38  |
| 1/4 - 28 UNF     |   | 6,24  |
| 5/16 - 24 UNF    |   | 7,82  |
| 3/8 - 24 UNF     |   | 9,41  |
| 7/16 - 20 UNF    |   | 10,98 |
| 1/2 - 20 UNF     |   | 12,56 |
| 9/16 - 18 UNF    |   | 14,14 |
| 5/8 - 18 UNF     |   | 15,73 |
| 3/4 - 16 UNF     |   | 18,89 |
| 7/8 - 14 UNF     |   | 22,05 |
| 1 - 12 UNF       |   | 25,21 |
| 1 1/8 - 12 UNF   |   | 28,38 |
| 1 1/4 - 12 UNF   |   | 31,56 |
| 1 3/8 - 12 UNF   |   | 34,73 |
| 1 1/2 - 12 UNF   |   | 37,91 |

**G (BSP)**



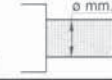
| Ø d <sub>1</sub> | p  | Ø mm  |
|------------------|----|-------|
| G 1/16           | 28 | 7,61  |
| G 1/8            | 28 | 9,62  |
| G 1/4            | 19 | 13,03 |
| G 3/8            | 19 | 16,53 |
| G 1/2            | 14 | 20,81 |
| G 5/8            | 14 | 22,77 |
| G 3/4            | 14 | 26,30 |
| G 7/8            | 14 | 30,06 |
| G 1              | 11 | 33,07 |
| G 1 1/8          | 11 | 37,71 |
| G 1 1/4          | 11 | 41,73 |
| G 1 3/8          | 11 | 44,14 |
| G 1 1/2          | 11 | 47,62 |
| G 1 3/4          | 11 | 53,56 |
| G 2              | 11 | 59,43 |

**NPSM**



| Ø d <sub>1</sub> | p    | Ø mm  |
|------------------|------|-------|
| 1/8 NPSM         | 27   | 4,99  |
| 1/4 NPSM         | 18   | 13,24 |
| 3/8 NPSM         | 18   | 16,70 |
| 1/2 NPSM         | 14   | 20,77 |
| 3/4 NPSM         | 14   | 26,13 |
| 1 NPSM           | 11,5 | 32,68 |
| 1 1/4 NPSM       | 11,5 | 41,45 |
| 1 1/2 NPSM       | 11,5 | 47,52 |
| 2 NPSM           | 11,5 | 59,56 |

**PG**



| Ø d <sub>1</sub> | p  | Ø mm  |
|------------------|----|-------|
| PG 7             | 20 | 12,40 |
| PG 9             | 18 | 15,10 |
| PG 11            | 18 | 18,50 |
| PG 13,5          | 18 | 20,30 |
| PG 16            | 18 | 22,40 |
| PG 21            | 16 | 28,15 |
| PG 29            | 16 | 36,85 |
| PG 36            | 16 | 46,85 |
| PG 42            | 16 | 53,85 |
| PG 48            | 16 | 59,15 |